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A-192621

Endothelin-1; Endothelin ET_A-receptor; Endothelin ET_B-receptor; PD 155080; Endotoxaemia; Septic shock (Wanecek, M. (386) 235)

A-85380

Nicotinic acetylcholine receptor; Molecular model; Epibatidine; ABT-594; Analgesia; Antinociception (Meyer, M.D. (393) 171)

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Nicotinic acetylcholine receptor; Molecular model; Epibatidine; A-85380; Analgesia; Antinociception (Meyer, M.D. (393) 171)

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Morphine; Antinociception; NMDA receptor antagonist; D-CPPene (SDZ EAA 494); Memantine; MRZ 2/579; MRZ 2/576 (Belozertseva, I.V. (396) 77)

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Acetylcholine

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Acetylcholinesterase

Alzheimer's disease; Parkinson's disease; $\alpha 3$ subunit; $\alpha 4$ subunit; $\alpha 7$ subunit; β -Amyloidosis; Tobacco exposure (Perry, E. (393) 215)

(–)-Huperzine A; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Learning; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

Acidosis

ATP; P2X receptor; pH; Purine; Mesenteric arterial bed; Vasoconstriction (Ralevic, V. (406) 99)

Aciflourfen

Benzodiazepine receptor, mitochondrial; δ -Aminolaevulinic acid; Protoporphyrin IX; Zinc protoporphyrin IX; Protoporphyrinogen oxidase (Mesenhöller, M. (406) 171)

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ACTH (adrenocorticotrophic hormone)

MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Peptide–receptor interaction; Avoidance; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

ACTH (adrenocorticotropin)

Neonatal; Neuroprotection; Magnocellular basal nucleus; Cholinergic neuron; Glia (Horvath, K.M. (405) 33)

Corticosterone; CRH (corticotropin-releasing hormone); Coping; Social; Maternal behavior (Levine, S. (405) 149)

Actin polymerization

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Action potential

Metoprolol; Ramipril; Myocardial infarction; Papillary muscle (Wagner, K.-D. (388) 263)

Anaesthetic volatile; Arrhythmia; K_{ATP} channel; Myocyte; Patch clamp (Terrenoire, C. (390) 95)

Action potential duration

Antiarrhythmic drug; Reperfusion arrhythmia; V_{max} (Baczko, I. (404) 181)

Activation

Nicotine; Cholinergic; Tobacco; Addiction; Ventral tegmental area (Dani, J.A. (393) 31)

Nicotinic acetylcholine receptor; Pharmacological comparison; Subunit null mutation; Binding (Whiteaker, P. (393) 123)

Active avoidance, mice

Ca²⁺ channel antagonist; Amlodipine; Memory enhancement; Maze learning; Chronic drug administration (Quartermain, D. (399) 57)

Active sensitisation

Phosphatidylinositol-3-kinase; Wortmannin; Adenosine; Methacholine; 5-HT; Bronchoconstriction; Ovalbumin; Brown Norway, rat (Tigani, B. (406) 469)

Activity

Δ^9 -Tetrahydrocannabinol; Cannabinoid; Biphasic effect; Movement (Sañudo-Peña, M.C. (391) 269)

Acute lung injury

Selectin; Sialyl Lewis X; Lipopolysaccharide (Hayashi, H. (392) 109)

Acute tolerance

Clozapine, intravenous; Clozapine, oral; Pharmacodynamics; Pharmacokinetics; Pharmacokinetic–pharmacodynamic modeling; Potency, relative (Sun, L. (398) 225)

(R)-ACX

Sulfonylurea compound; Insulin releasing effect; Hypoglycemic effect (Seri, K. (389) 253)

Adaptation

Restraint stress; D-Amphetamine; Conditioned place preference; Dopamine D₁ receptor; Dopamine D₂ receptor; Opioid system; Sensitization (Capriles, N. (386) 127)

Addiction

Nicotine; Activation; Cholinergic; Tobacco; Ventral tegmental area (Dani, J.A. (393) 31)

Dependence; Dopamine; Nicotine; Nucleus accumbens; Prefrontal cortex (Di Chiara, G. (393) 295)

Endogenous opoid; Reward; Brain stimulation reward; Self-administration; Sexual behaviour; Social behaviour (Van Ree, J.M. (405) 89)

Opioid system, endogenous; Gene polymorphism; Single nucleotide polymorphism; Pharmacogenetics; Physiogenetics (LaForge, K.S. (410) 249)

Opiate; Heroin; Genetic; Pharmacogenomics; Candidate gene (Lichtermann, D. (410) 269)

Adenine nucleotide

Cerebrocortical neuronal culture; Glutamate excitotoxicity; Mitochondrion; Permeability transition pore; Reactive oxygen species; Cyclophilin; Cyclosporin A; Calcineurin; Nitric oxide (NO) synthase; Poly (ADP-ribose) polymerase (Ruiz, F. (404) 29)

[³H]Adenosine

Adenosine uptake; Mitochondrion; Testis, rat; Benzodiazepine receptor ligand, mitochondrial (Jiménez, A. (398) 31)

Adenosine

ATP; Mesentery, hamster; Prejunctional neuromodulation; Purine receptor; Sympathetic neurotransmission (Ralevic, V. (387) 287)

Methamphetamine; Sensitization; Adenosine A₁ receptor; Adenosine A_{2A} receptor (Shimazoe, T. (388) 249)

Smooth muscle, vascular; K⁺ channel, Ca²⁺-dependent (Li, G. (394) 35)

Opioid; Striatum (Halimi, G. (398) 217)

Neuropeptide FF; Morphine; Spinal cord; Antinociception (Gouardères, C. (406) 391)

Phosphatidylinositol-3-kinase; Wortmannin; Methacholine; 5-HT; Bronchoconstriction; Active sensitisation; Ovalbumin; Brown Norway, rat (Tigani, B. (406) 469)

Chloroadenosine; Interneuron; Hippocampus; Afterhyperpolarization (Li, H. (407) 237)

Adenosine kinase; Adenosine deaminase; Formalin; Microdialysis; Pain; Inflammation (Liu, X.J. (408) 143)

Purine; ATP; Nucleotide; Hippocampus; Suramin; Long-term potentiation (O'Kane, E.M. (409) 159)

Neonate; Cardiac myocyte; Ca^{2+} current, L-type; ATP; Purinoceptor (Suto, F. (409) 213)

Adenosine A₁ receptor

Paw oedema; Adenosine A₂ receptor; Adenosine A₃ receptor; Plethysmometry; (Rat) (Sawynok, J. (386) 253)

Methamphetamine; Sensitization; Adenosine; Adenosine A_{2A} receptor (Shimazoe, T. (388) 249)

ATP; FRTL-5 thyroid cell; Protein kinase C; Signal transduction (Vainio, M. (390) 43)

Oedema; Adenosine A_{2B} receptor; Mast cell (Sawynok, J. (395) 47)

Adenosine A₂ receptor

Paw oedema; Adenosine A₁ receptor; Adenosine A₃ receptor; Plethysmometry; (Rat) (Sawynok, J. (386) 253)

Adenosine A_{2A} receptor

Methamphetamine; Sensitization; Adenosine; Adenosine A₁ receptor (Shimazoe, T. (388) 249)

SCH 58261; ZM 241385; CGS 21680; Motor activity; Knockout, mouse (El Yacoubi, M. (401) 63)

Adenosine A_{2B} receptor

Oedema; Adenosine A₁ receptor; Mast cell (Sawynok, J. (395) 47)

Adenosine A₃ receptor

Paw oedema; Adenosine A₁ receptor; Adenosine A₂ receptor; Plethysmometry; (Rat) (Sawynok, J. (386) 253)

Adenosine A₁ receptor antagonist

Dysmotility; Ischemia–reperfusion; Colon; RT-PCR (reverse transcription-polymerase chain reaction); (Rat) (Kadowaki, M. (409) 319)

Adenosine A_{2A} receptor antagonist

KF17837 ((*E*)-1,3-dipropyl-8-(3,4-dimethoxystyryl)-7-methyl-3,7-dihydro-1*H*-purine-2,6-dione); KW-6002 ((*E*)-1,3-diethyl-8-(3,4-dimethoxystyryl)-7-methyl-3,7-dihydro-1*H*-purine-2,6-dione); Parkinson's disease; 6-Hydroxydopamine (Koga, K. (408) 249)

Adenosine deaminase

Adenosine receptor; Colon adenocarcinoma; HT29 cell; Epithelial differentiation (Lelièvre, V. (391) 21)

Adenosine; Adenosine kinase; Formalin; Microdialysis; Pain; Inflammation (Liu, X.J. (408) 143)

Adenosine kinase

Adenosine; Adenosine deaminase; Formalin; Microdialysis; Pain; Inflammation (Liu, X.J. (408) 143)

Adenosine receptor

Colon adenocarcinoma; HT29 cell; Adenosine deaminase; Epithelial differentiation (Lelièvre, V. (391) 21)

ATP; Hippocampal slice; Electrical signal; Optical recording (Sato, K. (399) 123)

Locomotion; Dopamine receptor; Caffeine; In situ hybridization; Autoradiography (Halldner, L. (406) 345)

Adenosine receptor agonist

Myocardial infarction; Protection, delayed; (Minipig) (Meng, H. (387) 101)

Basal ganglia disorder; Dystonia; Movement disorders (Richter, A. (404) 299)

Adenosine-5'-triphosphate

Monosodium glutamate; Smooth muscle; Acetylcholine; Bradykinin; Angiotensin II (Sukhanov, S.N. (386) 247)

Adenosine uptake

[³H]Adenosine; Mitochondrion; Testis, rat; Benzodiazepine receptor ligand, mitochondrial (Jiménez, A. (398) 31)

Adenylate cyclase

Zaldaride maleate; Calmodulin; Guanylate cyclase; Ion secretion (Aikawa, N. (394) 233)

Dopamine receptor; Receptor fragment; COS-7 cell (Scarselli, M. (397) 291)

Adenylyl cyclase

G protein-coupled receptor; Dopamine; Palmitoylation; Phosphorylation; Desensitization (Jin, H. (386) 305)

NS-105; Glutamate receptor, metabotropic; Antisense oligodeoxynucleotide, knockdown; Primary neuronal culture (Hirouchi, M. (387) 9)

Adhesion

Fractalkine; Chemokine; Chemotaxis; Umbilical vein, human; Endothelial cell (Chapman, G.A. (392) 189)

Nitric oxide (NO); Nitric oxide-releasing compound; E-Selectin; ICAM-1; Lipopolysaccharide (Kosonen, O. (394) 149)

Adipocyte, white

Monoamine oxidase; Hydrogen peroxide; Cell metabolism (Raimondi, L. (395) 177)

Adipose tissue

Ethanol withdrawal; Hormone-sensitive lipase, cAMP; Phosphodiesterase (Shih, M.-F. (409) 223)

ADP

TA-993; Platelet; Glycoprotein IIb/IIIa receptor; Actin polymerization; Ca^{2+} , intracellular (Katoh, M. (399) 91)

Adrenaline

Disopyramide; Cibenzoline; Pilsicainide; QTc; (Dog) (Miyamoto, S. (400) 263)

mCPP (*m*-chlorophenylpiperazine); Glucagon; 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{2C/2B} receptor (Yamada, J. (406) 153)

Adrenal medulla

Phospholipase C; Histamine; Chromaffin cell; Ca^{2+} ; Inositol phospholipid (Roberts-Thomson, E.L. (398) 199)

Adrenoceptor

Ca^{2+} ; Tyrosine kinase; Inositol phosphate; Fura-2 (Berts, A. (389) 35)

Urethra; Nitric oxide (NO); Nitrergic nerve; (Rabbit) (Seshita, H. (400) 271)

β_3 -Adrenoceptor; Cl^- channel; K^+ channel; Ionic secretion; Colon, rat (Schultheiss, G. (403) 251)

cAMP-dependent protein kinase; Dopamine; Loop of Henle; (Mouse) (Higuchi, E. (408) 107)

Saphenous vein; In vivo; 5-HT receptor; (Rabbit) (Vayssettes-Courchay, C. (408) 277)

α_{1A} -Adrenoceptor (Chang, R.S.L. (409) 301)

α_2 Adrenoceptor

Opioid receptor subtype; Xylazine; DAMGO; DPDPE; Tyr-W-MIF-1; U50,488 (Ware, T.D. (389) 181)

α -Adrenoceptor

Rabies virus; NG108-15 cell; Ca^{2+} current; Muscarinic receptor; Patch clamp, Whole-cell (Iwata, M. (404) 79)

Nicotine; Anxiety; Elevated plus-maze; (Mouse) (Zarrindast, M.-R. (407) 145)

α_1 -Adrenoceptor

Receptor phosphorylation; Protein kinase C; Phosphatidylinositol 3-kinase; G protein receptor kinases; Desensitization (García-Sáinz, J.A. (389) 1)

α_{1L} -Adrenoceptor; JTH-601; Prostate; (Dog) (Suzuki, Y. (394) 123)

GEPR (genetically epilepsy-prone rat); Electroshock; Convulsion; β -Adrenoceptor; Receptor regulation (Seo, D.O. (396) 53)

Immunosuppressant; Cyclosporine; Nitric oxide (NO); C6 glioma cell (Ikeseue, H. (407) 221)

α_{1a} -Adrenoceptor

α_{1b} -Adrenoceptor; α_{1d} -Adrenoceptor; Rabbit; Molecular cloning; Pharmacology; Tissue distribution (Piao, H. (396) 9)

α_{1A} -Adrenoceptor

Adrenoceptor (Chang, R.S.L. (409) 301)

α_{1b} -Adrenoceptor

α_{1a} -Adrenoceptor; α_{1d} -Adrenoceptor; Rabbit; Molecular cloning; Pharmacology; Tissue distribution (Piao, H. (396) 9)

α_{1d} -Adrenoceptor

α_{1a} -Adrenoceptor; α_{1b} -Adrenoceptor; Rabbit; Molecular cloning; Pharmacology; Tissue distribution (Piao, H. (396) 9)

α_{1L} -Adrenoceptor

α_1 -Adrenoceptor; JTH-601; Prostate; (Dog) (Suzuki, Y. (394) 123)

α_2 -Adrenoceptor

Electrophysiology; Antidepressant; 5-HT $_{1A}$ receptor; Tyramine; Norepinephrine transporter; Pyridobenzoazepine (Liégeois, J.-F. (386) 211)

Atipamezole; Ageing; Memory; Cholinergic system; Noradrenergic system (Haapalinna, A. (387) 141)

[^{35}S]GTP γS binding; Brain, human; 5-HT $_{1A}$ receptor; μ -Opioid receptor; G-protein (González-Maeso, J. (390) 25)

Myometrium (porcine); Clonidine; Ca^{2+} , intracellular; cAMP; Ca^{2+} sensitivity (Kitazawa, T. (390) 185)

Agonist, Inverse; G protein-coupled receptor; RX821002; MK-912; GTP; Rauwolscine (Murrin, L.C. (398) 185)

Signal transduction; G protein; G protein coupled receptor; Second messenger; 5-HT receptor; 5-HT $_{1A}$ receptor (Happe, H.K. (399) 17)

FR140423; Antinociception; Noradrenergic system; Spinal cord; (Mouse) (Ochi, T. (400) 199)

α_{2B} -Adrenoceptor

Gastroprotection; Clonidine; Opioid receptor (Gyires, K. (396) 131)

β -Adrenoceptor

Muscarinic acetylcholine receptor; Radioligand binding (Manukhin, B.N. (386) 279)

GEPR (genetically epilepsy-prone rat); Electroshock; Convulsion; α_1 -Adrenoceptor; Receptor regulation (Seo, D.O. (396) 53)

Age; Endothelium; Isoprenaline; Relaxation; K^+ channel (Van der Zyp, A. (397) 129)

β -Adrenoceptor, atypical; Endothelium; Nitric oxide (NO); Guanylyl cyclase; Smooth muscle, vascular (Brawley, L. (398) 285)

K^+ channel, Ca^{2+} -activated; Large conductance; Detrusor muscle; Protein kinase A (Kobayashi, H. (404) 231)

β_2 -Adrenoceptor

G $_s$ protein, coupling; Neutrophil; Depression, major; Anxiety; Antidepressant, tricyclic (Gurguis, G.N.M. (386) 135)

Salmeterol; Benzalkonium chloride; Mast cell; G-protein; Asthma (Seebeck, J. (397) 19)

Urinary incontinence; ATP-sensitive K^+ channel; Detrusor muscle; Clenbuterol (Hudman, D. (397) 169)

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β -Adrenoceptor, atypical; Duodenum, guinea pig; Carteolol; Partial agonist; Bupranolol (Horinouchi, T. (403) 133)

Adrenoceptor; Cl^- channel; K^+ channel; Ionic secretion; Colon, rat (Schultheiss, G. (403) 251)

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Choroidal blood flow; Laser-Doppler flowmetry; Sympathetic vasodilation; β -Adrenoceptor antagonist; L-NAME (N^G -nitro-L-arginine methyl ester); Indomethacin; (Rat) (Kawarai, M. (386) 227)

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Obesity (Forrest, M.J. (407) 175)

β_2 -Adrenoceptor agonist

Nitric oxide (NO); Smooth muscle; cGMP; cAMP; Iberiotoxin (Vaali, K. (399) 75)

β_3 -Adrenoceptor agonists

Thermogenesis; Pyruvate-oxidation; Glucose metabolism; Soleus muscle, isolated (Board, M. (406) 33)

α_{1A} -Adrenoceptor antagonist

Prostate; Adrenoceptor subtype (Chang, R.S.L. (409) 301)

α_2 -Adrenoceptor antagonist

Focal cerebral ischemia; Recovery; Sensorimotor functions; (Rat) (Jolkonen, J. (400) 211)

β -Adrenoceptor antagonist

Choroidal blood flow; Laser-Doppler flowmetry; Sympathetic vasodilation; β -Adrenoceptor activation; L-NAME (N^G -nitro-L-arginine methyl ester); Indomethacin; (Rat) (Kawarai, M. (386) 227)

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β -Adrenoceptor, atypical

β -Adrenoceptor; Endothelium; Nitric oxide (NO); Guanylyl cyclase; Smooth muscle, vascular (Brawley, L. (398) 285)

β_3 -Adrenoceptor; Duodenum, guinea pig; Carteolol; Partial agonist; Bupranolol (Horinouchi, T. (403) 133)

 α -Adrenoceptors

Stroke-prone spontaneously hypertensive rats (SHRSP); Pulmonary artery; Nitric oxide (NO); Endothelium (Matsuda, K. (392) 61)

 β -Adrenoceptor stimulation

Coronary blood flow; Coronary vasodilatation; Coronary vasodilator tone (Fernández, N. (387) 93)

Adrenoceptor subtype

α_{1A} -Adrenoceptor antagonist; Prostate (Chang, R.S.L. (409) 301)

 α_1 -Adrenoceptor subtype

Nasal mucosa vasculature; Noradrenaline; NS-49; Vasoconstrictor response (Tanimitsu, N. (387) 73)

Methoxamine; Cirazoline; P7480; Mesenteric artery, rat; BMY 7378 (Hussain, M.B. (395) 69)

 β -Adrenoceptor, subtype

Detrusor; Cardiovascular system; (Ferret) (Takeda, H. (403) 147)

 β -Adrenoceptor turnover

Amiodarone; Triiodothyronine; Cardiomyocyte (Vassy, R. (408) 227)

Adrenomedullin

Okadaic acid; ERK (extracellular signal-related kinase); JNK (jun amino-terminal kinase); P38 MAPK (P38 mitogen-activated protein kinase) (Parameswaran, N. (388) 133)

Papillary muscle; Contractility; cAMP (Ihara, T. (390) 167)

Amylin; Calcitonin gene-related peptide (CGRP); Calcitonin receptor-like receptor; Myocardial contraction; Receptor associated modifying protein (RAMP) (Saetrum Opgaard, O. (397) 373)

Inflammation; Eye; CGRP (calcitonin gene-related peptide); Nitric oxide (NO) (Clementi, G. (400) 321)

Pneumocyte (type II); Phosphatidylcholine secretion; Surfactant; Protein kinase C (Okumura, M. (403) 189)

Myocyte; Papillary muscle; Heart, isolated; Ca^{2+} transient; (Rat) (Stangl, V. (408) 83)

Lenticulostriate artery, human; RT-PCR; CGRP (calcitonin gene-related peptide); CRLR (calcitonin receptor-like receptor); RAMP (receptor activity-modifying protein) (Sams, A. (408) 183)

Aerosol

Cannabinoid; Δ^9 -THC (Δ^9 -tetrahydrocannabinol); SR 141716A; Antinociption; Marijuana, medical; Nebulizer (Lichtman, A.H. (399) 141)

Affective disorder

Behaviour; Autonomic response; Endocrine response; Anxiety; Post-traumatic stress disorder (PTSD); (Rat) (Stam, R. (405) 217)

Afferent

Cannabinoid; Capsaicin; Neuron; Pain; Receptor; Sensory; Vasodilation (Zygmunt, P.M. (396) 39)

Affinity

Intrinsic activity; Efficacy; Gpp(NH)p shift; 5-HT_{1A} receptor ligand; S-14506; Dihydroergotamine (Assié, M.-B. (386) 97)

Afterhyperpolarization

Adenosine; Chloroadenosine; Interneuron; Hippocampus (Li, H. (407) 237)

 ω -Agatoxin IVA-sensitive Ca^{2+} channel

α -Eudesmol; Glutamate release; Synaptosome; Microdialysis; Focal ischemia (Asakura, K. (394) 57)

Age

β -Adrenoceptor; Endothelium; Isoprenaline; Relaxation; K^+ channel (Van der Zyppe, A. (397) 129)

Ageing

α_2 -Adrenoceptor; Atipamezole; Memory; Cholinergic system; Noradrenergic system (Haapalinna, A. (387) 141)

Neuronal nicotinic receptor; Nicotinic receptor distribution; Nicotine; Nicotinic agent; Schizophrenia; Dementia; Epilepsy; Tobacco addiction (Clementi, F. (393) 3)

Stress; Glucocorticoid; Cytokine; Alzheimer's disease (Angelucci, L. (405) 139)

Aggregation

Polymorphonuclear leukocyte; Rho kinase; p160ROCK; Superoxide production (Kawaguchi, A. (403) 203)

Aggressive behavior

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Aging

Nitric oxide (NO); cGMP-dependent protein kinase; Na^+ , K^+ -ATPase; Trachea, rat (Scavone, C. (388) 1)

Vanadyl sulfate; Insulin action; Insulin release; Islet, isolated (De Tata, V. (398) 169)

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Nicotinic acetylcholine receptor; Acetylcholine; Choline; Partial; Co-agonist; *Xenopus laevis* oocyte (Zwart, R. (393) 209)

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mGlu₁ receptor, Arg⁷⁸; Glutamic acid; Quisqualic acid; Mutagenesis (Jensen, A.A. (397) 247)

Agonist coupling

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Taurine; β -Alanine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Agonist, inverse

α_2 -Adrenoceptor; G protein-coupled receptor; RX821002; MK-912; GTP; Rauwolscine (Murrin, L.C. (398) 185)

AH-1058

Ca^{2+} channel blocker; Ventricular arrhythmia (Takahara, A. (398) 107)

Air pouch

Leukotriene B₄; Leukocyte infiltration; Collagen-induced arthritis; Interleukin-1; LY293111Na (Kuwabara, K. (402) 275)

Air pouch, mouse

Ditrazines; Nitric oxide (NO); Eicosanoid; Macrophage; Neutrophil; Carrageenan paw oedema (Rioja, I. (397) 207)

Airway

Bronchodilation; Rho-associated coiled coil-forming protein kinase; Rho; Smooth muscle (Nakahara, T. (389) 103)

Prostaglandin; Leukotriene; Neuromediator; Endothelin; (Mouse) (Richter, M. (389) 225)

Airway eosinophil infiltration

Glucine; Phosphodiesterase 4 inhibitor; Sensitized, guinea pig; Airway hyperreactivity; Airway microvascular leakage (Pons, R. (397) 187)

Airway epithelial cell

Thapsigargin; Ca^{2+} -ATPase inhibitor; Ca^{2+} store, EpDRF (epithelium-dependent relaxing factor); (Guinea pig) (Takahashi, N. (410) 61)

Airway epithelium

Acetylcholine; Smooth muscle, airway; Nitric oxide (NO); Indomethacin; Airway segment (McParland, B.E. (402) 151)

Airway hyperreactivity

Glucine; Phosphodiesterase 4 inhibitor; Sensitized, guinea pig; Airway eosinophil infiltration; Airway microvascular leakage (Pons, R. (397) 187)

Airway hyperresponsiveness

JTE-522; Cyclooxygenase-2; Prostaglandin E_2 ; Thromboxane A_2 ; U-46619; Ozone; (Guinea pig) (Nakano, H. (403) 267)

TA-270; Asthmatic response; Bronchoalveolar eosinophilia (Aoki, Y. (409) 325)

Airway microvascular leakage

Glucine; Phosphodiesterase 4 inhibitor; Sensitized, guinea pig; Airway hyperreactivity; Airway eosinophil infiltration (Pons, R. (397) 187)

Airway segment

Acetylcholine; Airway epithelium; Smooth muscle, airway; Nitric oxide (NO); Indomethacin (McParland, B.E. (402) 151)

[β Ala⁸]Neurokinin A-(4–10)

Trachea; Acetylcholine release; Tachykinin NK_2 receptor; SR 48968 (D'Agostino, G. (396) 29)

 β -Alanine

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; Taurine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Alanine aminotransferase

Concanavalin A; Apoptosis; Interferon- γ ; Soyasapogenol A; Tumor necrosis factor- α (TNF- α) (Kuzuhara, H. (391) 175)

Alcohol

Opioid receptor; Genetics; Alcoholism; Quantitative trait locus (Town, T. (410) 243)

Alcohol consumption

Neutral endopeptidase; Enkephalinase; Enkephalin; Knockout mouse; Angiotensin-converting enzyme; Enkephalin-degrading peptidases; Opioid (Siems, W.-E. (397) 327)

Alcoholism

Alcohol; Opioid receptor; Genetics; Quantitative trait locus (Town, T. (410) 243)

Alcohol withdrawal, human

Delirium tremens; Volume and fluid regulation; ANP (atrial natriuretic peptide) secretion; Withdrawal hyperexcitability, mouse; NMDA (N-methyl-D-aspartate) seizure; Glutamate (Kovács, G.L. (405) 103)

Aldose reductase

Autonomic neuropathy; Diabetes; Non-adrenergic non-cholinergic; Gastric fundus, rat; Streptozotocin (Jenkinson, K.M. (401) 251)

Aldosterone

Ouabain; Na^+ ; Ca^{2+} ; $\text{Na}(+)$ – $\text{K}(+)$ -exchanging ATPase (Yingst, D.R. (406) 49)

Alkaline

Endothelin-1; Basilar artery; 5-HT (5-hydroxytryptamine, serotonin); Hypocapnia; Isocapnia (Zuccarello, M. (407) 191)

Allergic conjunctivitis

Vascular permeability; Histamine H_1 receptors; 5-HT (5-hydroxytryptamine, serotonin); Histamine (Nakahara, H. (409) 313)

Allergic dermatitis

Phosphodiesterase 4 inhibitor; RPR 73401; Ear swelling test, mouse; Interleukin-4 (Ehinger, A.M. (392) 93)

Allodynia

Endothelin; Streptozotocin; Diabetic neuropathy (Jarvis, M.F. (388) 29)

Antinociception; Diuresis; Dynorphin; κ -Opioid receptors; Sedation (Ko, M.C.H. (402) 69)

Allodynia, tactile

Diabetic, rat; Allodynia, thermal; Tachykinin receptor antagonist (Coudoré-Civiale, M.-A. (401) 47)

Allodynia, thermal

Diabetic, rat; Allodynia, tactile; Tachykinin receptor antagonist (Coudoré-Civiale, M.-A. (401) 47)

Allosteric modulation

Nicotinic acetylcholine receptor; Alzheimer's disease; Galanthamine; Cholinergic deficit (Maelicke, A. (393) 165)

Allosteric modulator

Mutagenesis; Catecholamine (Schetz, J.A. (388) R5)

AMPA receptor; S18986-1; Hippocampus; Noradrenaline release (Lockhart, B. (401) 145)

Almotriptan

5-HT_{1B/1D} receptor agonist; Migraine; Preclinical study (Gras, J. (410) 43)

Cardiovascular safety; 5-HT_{1B/1D} receptor agonist; Migraine (Gras, J. (410) 53)

Alzheimer disease

Amyloid precursor protein (APP); Platelet; Diagnosis (Di Luca, M. (405) 277)

Alzheimer's disease

Cholinergic system; Cholinesterase inhibitor; Cerebral metabolism; Nucleus basalis, rat (Bassant, M.-H. (387) 151)

Cholinergic; Exocytosis; Neuromuscular junction; Oocyte; Synaptic vesicle; Tacrine; (*Torpedo marmorata*); (*Xenopus laevis*) (Ros, E. (390) 7)

Lithium chloride; β -Amyloid; Bcl-2 (Wei, H. (392) 117)

Nicotinic acetylcholine receptor; Allosteric modulation; Galanthamine; Cholinergic deficit (Maelicke, A. (393) 165)

Parkinson's disease; $\alpha 3$ subunit; $\alpha 4$ subunit; $\alpha 7$ subunit; β -Amyloidosis; Acetylcholinesterase; Tobacco exposure (Perry, E. (393) 215)

Amyloid precursor protein; Amyloid- β peptide; Plaque; Tau; Tangle; Nicotine; Muscarinic receptor; Nicotinic receptor; Cholinesterase inhibitor (Hellström-Lindahl, E. (393) 255)

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Learning; Memory; Free radical (Wang, L.M. (398) 65)

Stress; Glucocorticoid; Cytokine; Ageing (Angelucci, L. (405) 139)

Microglia; NSAIDs; Aspirin; Interferon- γ (Ogawa, O. (408) 137)

Vitamin E; Atherosclerosis; Apolipoprotein E (Peroutka, S.J. (410) 161)

Ambroxol

Guanylate cyclase; Nitric oxide (NO) (Severina, I.S. (407) 61)

Amino acid

Dopamine; Guanidinoethyl sulfonate; Microdialysis; (Rat) (Olive, M.F. (409) 291)

3-Aminobenzamide

Glioma; Poly(ADP-ribose) polymerase; Nitrosoureas (Winter, S. (398) 177)

γ -Aminobutyric acid

Gabapentin; Substantia nigra reticulata; Microdialysis (Timmerman, W. (398) 53)

γ -Aminobutyric acid (GABA)

Dopamine; Microdialysis; Cocaine; γ -Vinyl GABA (vigabatrin); γ -Aminobutyric acid (GABA) reuptake inhibitor (Gerasimov, M.R. (395) 129)

Diazepam; Progesterone; K^+ channel; Coronary (Jacob, M.K. (403) 209)

γ -Aminobutyric acid (GABA) reuptake inhibitor

γ -Aminobutyric acid (GABA); Dopamine; Microdialysis; Cocaine; γ -Vinyl GABA (vigabatrin) (Gerasimov, M.R. (395) 129)

Aminoglycoside

Ototoxicity; NMDA receptor; Dizocilpine (Harvey, S.C. (387) 1)

Aminoguanidine

Concanavalin A; Hepatitis (Okamoto, T. (396) 125)

Diabetes; Nitric oxide (NO); Morphine; Antinociception (Grover, V.S. (399) 161)

Anti-Fas antibody; Hepatitis (Okamoto, T. (403) 277)

Endotoxic shock; Nitric oxide (NO); (Rat) (Erol, A. (408) 175)

(RS)-2-Amino-3-(3-hydroxy-1,2,5-thiadiazol-4-yl)propionic acid

EAAT; TDPA; EAAT2 inhibitor, selective (Bräuner-Osborne, H. (406) 41)

δ -Aminolaevulinic acid

Benzodiazepine receptor, mitochondrial; Protoporphyrin IX; Zinc protoporphyrin IX; Aciflourfen; Protoporphyrinogen oxidase (Mesenhöller, M. (406) 171)

Aminopeptidase P

Bradykinin; Bradykinin B_2 receptor; Carboxypeptidase; Neutral endopeptidase; Angiotensin I converting enzyme; Renal vasculature, rat (Bagaté, K. (407) 317)

4-Aminopyridine

3-Nitropropionic acid; Mitochondrial toxin; Seizure; GABA (γ -aminobutyric acid); Electroconvulsion (Haberek, G. (403) 229)

3,4-Diaminopyridine; Apamin; Passive avoidance; (Mouse) (Inan, S.Y. (407) 159)

Amiodarone

β -Adrenoceptor turnover; Triiodothyronine; Cardiomyocyte (Vassy, R. (408) 227)

Amitriptyline

Caffeine; Thermal hyperalgesia; Neuropathic pain (Esser, M.J. (399) 131)

Antidepressant; Tetrodotoxin-sensitive; Tetrodotoxin-resistant; Na^+ channel; Dorsal root ganglion (Song, J.-H. (401) 297)

Conditioned place preference; Antidepressant; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective (Subhan, F. (408) 257)

Amlodipine

Ca^{2+} channel antagonist; Memory enhancement; Maze learning; Active avoidance, mice; Chronic drug administration (Quartermain, D. (399) 57)

AMP579

Coronary artery endothelium; Neutrophil degranulation; Neutrophil adherence; Superoxide anion (Nakamura, M. (397) 197)

AMPA (α -amino-3-hydroxy-5-methyl-4-isoxazole propionic acid)

AMPA receptor modulator; Cortex; Hippocampus (Black, M.D. (394) 85)

AMPA (α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid)

Epilepsy; Riluzole; Audiogenic seizure; Glycine/NMDA receptor; DBA/2 mouse (De Sarro, G. (408) 25)

AMPA receptor

Cocaine; Convulsion; Toxicity; Kainate receptor; NMDA receptor (Pouw, B. (386) 181)

Cortical neurone, cultured; Chloral hydrate; Trichloroethanol; Ca^{2+} concentration, intracellular; Fura-2 microfluorimetry (Fischer, W. (394) 41)

Analgesia; NMDA receptor; Morphine; Spinal cord; (Rat) (Nishiyama, T. (395) 203)

Purkinje cell; GYKI 53784; Aniracetam; Cyclothiazide; 1-BCP; BDP-12 (Kapus, G. (397) 43)

S18986-1; Hippocampus; Noradrenaline release; Allosteric modulator (Lockhart, B. (401) 145)

Object recognition; Memory; S 18986-1; (Rat) (Lebrun, C. (401) 205)

AMPA receptor modulator

AMPA (α -amino-3-hydroxy-5-methyl-4-isoxazole propionic acid); Cortex; Hippocampus (Black, M.D. (394) 85)

Amphetamine

Psychostimulants sensitization; Cocaine; Nucleus accumbens shell; Nucleus accumbens core (Cadoni, C. (388) 69)

Dopamine release; Protein kinase C; Phorbol ester; Cocaine; Transport, reverse (Cowell, R.M. (389) 59)

Neurotoxicity; Cytochrome oxidase; Histochemistry; Energy metabolism (Burrows, K.B. (398) 11)

Δ^9 -Tetrahydrocannabinol; (*R*)-Methanandamide; Anandamide; SR 141716; Operant behavior; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Cocaine; Dorsal horn; Hyperalgesia (Ohsawa, M. (399) 165)

Glutamate receptor, metabotropic; LY379268; Motor activity; Stereotypy (Cartmell, J. (400) 221)

Psychostimulant; Dopamine transporter (Fleckenstein, A.E. (406) 1)

D-Amphetamine

Restraint stress; Adaptation; Conditioned place preference; Dopamine D₁ receptor; Dopamine D₂ receptor; Opioid system; Sensitization (Capriles, N. (386) 127)

Amphibian

[³H]Naloxone; Antinociception; Opioid receptor (Newman, L.C. (397) 255)

Amrinone

Ischaemia; Reperfusion injury; (Rat) (Rechtman, M.P. (402) 255)

Amtolmetin guacyl

Antisecretion; Gastroprotection; Capsaicin; CGRP (calcitonin gene-related peptide) (Tubaro, E. (387) 233)

Amygdala

Anxiety; Stress; Noradrenaline; Hypothalamus; Locus coeruleus; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Amygdaloid nucleus, central

Stressful stimuli; Neuropeptide; *c-fos*; Paraventricular nucleus; Supraoptic nucleus (Palkovits, M. (405) 161)

Amylin

Adrenomedullin; Calcitonin gene-related peptide (CGRP); Calcitonin receptor-like receptor; Myocardial contraction; Receptor associated modifying protein (RAMP) (Saetrum Opgaard, O. (397) 373)

Amylin, Amylin-(8-37)

Osteoblast, Human; CGRP (calcitonin gene-related peptide); CGRP-(8-37); Proliferation; cAMP (Villa, I. (409) 273)

 β -Amyloid

Lithium chloride; Bcl-2; Alzheimer's disease (Wei, H. (392) 117)

Amyloid- β peptide

Alzheimer's disease; Amyloid precursor protein; Plaque; Tau; Tangle; Nicotine; Muscarinic receptor; Nicotinic receptor; Cholinesterase inhibitor (Hellström-Lindahl, E. (393) 255)

 β -Amyloidosis

Alzheimer's disease; Parkinson's disease; α 3 subunit; α 4 subunit; α 7 subunit; Acetylcholinesterase; Tobacco exposure (Perry, E. (393) 215)

Amyloid precursor protein

Alzheimer's disease; Amyloid- β peptide; Plaque; Tau; Tangle; Nicotine; Muscarinic receptor; Nicotinic receptor; Cholinesterase inhibitor (Hellström-Lindahl, E. (393) 255)

Amyloid precursor protein (APP)

Alzheimer disease; Platelet; Diagnosis (Di Luca, M. (405) 277)

Amyotrophic lateral sclerosis (ALS)

Motor neuron; Apoptosis; Cell culture; Tissue culture; Neurodegenerative disease (Bär, P.R. (405) 285)

Anabolic steroid

Pregnenolone sulfate; Ethylestrenol; Passive avoidance behavior; Memory; Non-linear dynamics; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Anaesthetic

GABA (γ -aminobutyric acid); Benzodiazepine; Optic nerve; Propofol (Empson, R.M. (401) 339)

Anaesthetic volatile

Action potential; Arrhythmia; K_{ATP} channel; Myocyte; Patch clamp (Terrenoire, C. (390) 95)

Analgesia

Crotalus durissus terrificus venom; Opioid receptor; Nitric oxide (NO) (Picolo, G. (391) 55)

Nicotinic acetylcholine receptor; Molecular model; Epibatidine; ABT-594; A-85380; Antinociception (Meyer, M.D. (393) 171)

NMDA receptor; AMPA receptor; Morphine; Spinal cord; (Rat) (Nishiyama, T. (395) 203)

Melatonin; Central nervous system; Naloxone (Yu, C.-X. (403) 49)

Antinociception; Pain; Neuropeptide FF; Spinal cord; Supraspinal (Altier, N. (407) 245)

Anandamide

Cannabinoid CB₁ receptor; Δ^9 -Tetrahydrocannabinol; CP 55,940; SR 141716A; SR 144528; Sympathetic neurotransmission (Lay, L. (391) 151)

Food intake; Diet restriction; Cognitive function; Hippocampus; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

Cannabinoid CB₁ receptor; Cannabinoid CB₂ receptor; Cannabinoid receptor antagonist; Hyperalgesia; Palmitoylethanolamide; 2-Arachidonylglycerol; Nociception; Inflammation (Beaulieu, P. (396) 85)

Δ^9 -Tetrahydrocannabinol; (*R*)-Methanandamide; SR 141716; Amphetamine; Operant behavior; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Ca²⁺ channel; Skeletal muscle (Oz, M. (404) 13)

Cannabinoid receptor; Vanilloid receptor; Capsaicin; Anti-nociception; Behavior; (Mouse) (Di Marzo, V. (406) 363)

Cannabinoid; Fatty acid ethanolamides; High-performance liquid chromatography; Mass spectrometry; Anandamide transport (Giuffrida, A. (408) 161)

Anandamide transport

Cannabinoid; Anandamide; Fatty acid ethanolamides; High-performance liquid chromatography; Mass spectrometry (Giuffrida, A. (408) 161)

Anaphylactic shock

PAF (platelet-activating factor); PAF acetylhydrolase (Fukuda, Y. (390) 203)

Anaphylaxis, passive cutaneous

Scratching behavior; Immunoglobulin E; Substance P; Histamine; Histamine H_1 receptor; Oxatomide; Epinastine; Cetirizine; Terfenadine; (Mouse) (Inagaki, N. (400) 73)

Anatoxin-a

Nicotinic receptor, presynaptic; Glutamate receptor antagonist; Nicotine; Immunogold electron microscopy; Synaptosome (Wonnacott, S. (393) 51)

Androgen

Th1/Th2; Immune function; Prenatal; Estrogen; Autoimmunity (Martin, J.T. (405) 251)

Aromatase inhibitor; Breast carcinoma; Oestrogen (Palma, C. (409) 93)

Anesthetic

GABA_A receptor; Propofol; Locus coeruleus (Chen, C.-L. (386) 201)

Anesthetic; volatile; K^+ channel; Ca^{2+} -activated; *Xenopus* oocyte (Namba, T. (395) 95)

Angiogenesis

S-nitrosocaptopril; Captopril; Nitric oxide (NO); Capillary endothelium; Chorioallantoic membrane; Chick embryo; Hemoglobin (Jia, L. (391) 137)

Endothelial cell; Ca^{2+} influx; Proliferation (Kawasaki, J. (398) 19)

Heparin; Intragastric administration; Gastric ulcer healing; Nitric oxide (NO) synthase, Constitutive; Proliferation; Regeneration (Li, Y. (399) 205)

Chymase; Mast cell; Compound 48/80; Granuloma (Muramatsu, M. (402) 181)

Angiogenesis inhibition

Dienogest; Steroid, synthetic; Angiostatic therapy; Angiogenic disease (Nakamura, M. (386) 33)

Angiogenic disease

Dienogest; Steroid, synthetic; Angiogenesis inhibition; Angiostatic therapy (Nakamura, M. (386) 33)

Angiostatic therapy

Dienogest; Steroid, synthetic; Angiogenesis inhibition; Angiogenic disease (Nakamura, M. (386) 33)

Angiotensin

MAP (mitogen-activated protein) kinase; Endothelin; Aorta; Spontaneously hypertensive rat (SHR); DOCA-salt hypertensive rat (Kubo, T. (400) 231)

Endothelium; Nitric oxide (NO); Diabetes mellitus (Pieper, G.M. (403) 129)

Nonpeptide angiotensin receptor agonist; DuP 532; PD123,319; (Feline) (De Witt, B.J. (404) 213)

Preconditioning; Ischaemia; Prazosin; Colchicine (Sharma, A. (406) 85)

Fetal, sheep; AT₁ receptor; AT₂ receptor; Cardiovascular; Cortisol (Hegarty, B.D. (406) 439)

Angiotensin-converting enzyme; Angiotensinogen; Angiotensin AT₁ receptor; Polymorphism; Renin (Danser, A.H.J. (410) 303)

Angiotensin AT₁ receptor

Angiotensin; Angiotensin-converting enzyme; Angiotensinogen; Polymorphism; Renin (Danser, A.H.J. (410) 303)

Angiotensin AT₂ receptor

Losartan; PD 123319; Kinin; Nitric oxide (NO) synthase; Cyclooxygenase; Footshock (Israel, A. (394) 103)

Angiotensin AT₁ receptor antagonist

Nitric oxide synthase inhibition; Myocardial infarct; Angiotensin II cardiac (Verhagen, A.M.G. (400) 239)

Angiotensin-converting enzyme

Neutral endopeptidase; Enkephalinase; Enkephalin; Knockout mouse; Alcohol consumption; Enkephalin-degrading peptidases; Opioid (Siems, W.-E. (397) 327)

Angiotensin-converting enzyme inhibitor; Endothelial cells, cultured; Umbilical veins, human; Nitric oxide (NO); Platelet aggregation (Persson, K. (406) 15)

Gene polymorphism; Susceptibility; Cardiovascular disease; Angiotensinogen; Angiotensin II type 1 receptor (Wang, J.-G. (410) 289)

Angiotensin; Angiotensinogen; Angiotensin AT₁ receptor; Polymorphism; Renin (Danser, A.H.J. (410) 303)

Angiotensin-converting enzyme inhibitor

Bradykinin; Ischemia; Reperfusion; Ventricular function, dog (Hosoya, K. (390) 157)

Trandolapril; Cholesterol-fed, rabbit; Aorta; Coronary artery; Mesenteric, 5th branch (Sanz, M. (397) 359)

Diabetes; Nephropathy; Urinary albumin excretion; Immunohistochemistry (Kato, M. (398) 381)

Angiotensin-converting enzyme; Endothelial cells, cultured; Umbilical veins, human; Nitric oxide (NO); Platelet aggregation (Persson, K. (406) 15)

Angiotensin I converting enzyme

Bradykinin; Bradykinin B₂ receptor; Carboxypeptidase; Neutral endopeptidase; Aminopeptidase P; Renal vasculature, rat (Bagaté, K. (407) 317)

Angiotensin I-converting enzyme

Carotid artery, rat; Endothelial injury; Angiotensin I-converting enzyme inhibitor; Vasoconstriction (Lemay, J. (394) 301)

Angiotensin I-converting enzyme inhibitor

Carotid artery, rat; Endothelial injury; Angiotensin I-converting enzyme; Vasoconstriction (Lemay, J. (394) 301)

Angiotensin II

Monosodium glutamate; Smooth muscle; Adenosine-5'-triphosphate; Acetylcholine; Bradykinin (Sukhanov, S.N. (386) 247)

Angiotensin II type 1 receptor; Ca^{2+} , cytosolic; Mesothelial cell; Pleura (Kuwahara, M. (388) 21)

MAP (mitogen activated protein) kinase; Mechanical stress; Aorta; Losartan (Kubo, T. (391) 281)

Cyclosporine A; Na^+ ; Enalapril; Valsartan; Vascular response (Lassila, M. (398) 99)

Ethanol; Acetaldehyde; Hepatocyte; MAPK (mitogen-activated protein kinase) (Weng, Y.-I. (398) 323)

Taurine; Cell size; Fetal gene expression; Growth factor gene expression; Protein kinase C (Azuma, M. (403) 181)

Angiotensin II cardiac

Nitric oxide synthase inhibition; Myocardial infarct; Angiotensin AT_1 receptor antagonist (Verhagen, A.M.G. (400) 239)

Angiotensin II type 1 receptor

Angiotensin II; Ca^{2+} ; cytosolic; Mesothelial cell; Pleura (Kuwahara, M. (388) 21)

Gene polymorphism; Susceptibility; Cardiovascular disease; Angiotensin-converting enzyme; Angiotensinogen (Wang, J.-G. (410) 289)

Angiotensin II type 2 receptor

Lipopolysaccharide; Cytokine; Nitric oxide (NO); Cyclic GMP; Cardiac fibroblast (Tamura, M. (386) 289)

Angiotensinogen

Gene polymorphism; Susceptibility; Cardiovascular disease; Angiotensin-converting enzyme; Angiotensin II type 1 receptor (Wang, J.-G. (410) 289)

Angiotensin; Angiotensin-converting enzyme; Angiotensin AT_1 receptor; Polymorphism; Renin (Danser, A.H.J. (410) 303)

1,5-Anhydro-D-fructose

Insulin secretion; Glucose elimination; Glucagon-like peptide-1; (Mouse) (Ahrén, B. (397) 219)

Animal model

Depression; CRF (corticotropin-releasing factor); Bed nucleus of the stria terminalis (Stout, S.C. (401) 39)

Asthma; NANC (non-adrenergic–non-cholinergic) nerve, excitatory; Neuropeptide; (Human) (Kraneveld, A.D. (405) 113)

Anionic secretion

P2Y receptor; Sweat gland; Hyperhidrosis; Ca^{2+} , intracellular; Ussing chamber (Bovell, D.L. (403) 45)

Aniracetam

AMPA receptor; Purkinje cell; GYKI 53784; Cyclothiazide; 1-BCP; BDP-12 (Kapus, G. (397) 43)

Annexin V

Nitric oxide (NO); Hydrogen peroxide; Apoptosis; Neuroblastoma; PC12; NO donor (Terwel, D. (400) 19)

Anococcygeus, mouse

Forskolin; Nitroergic; Nitric oxide (NO); Papaverine; Sildenafil; Sodium nitroprusside (Frith, D. (400) 305)

Anorexia

Melanocortin; Feeding; Central nervous system; Behavior; Body weight homeostasis; Obesity (Vergoni, A.V. (405) 25)

ANP (atrial natriuretic peptide)

Ethanol tolerance; Ethanol dependence; Withdrawal; NMDA (*N*-methyl-D-aspartate); Antiserum against atrial natriuretic peptide (Kovács, G.L. (401) 343)

Histamine; Pre-eclampsia; Nitric oxide (NO); Endothelium; (Human) (Suzuki, Y. (410) 7)

ANP (atrial natriuretic peptide) secretion

Alcohol withdrawal, human; Delirium tremens; Volume and fluid regulation; Withdrawal hyperexcitability, mouse; NMDA (*N*-methyl-D-aspartate) seizure; Glutamate (Kovács, G.L. (405) 103)

Antagonism

Dmt–Tic; Inverse agonism (Labarre, M. (406) R1)

Bradykinin B_2 receptor; FR173657; FR190997; MEN 11270; Non-peptide (Meini, S. (409) 185)

Antagonism, insurmountable

Vas deferens, rat; Bradykinin; Bradykinin receptor; Hoe 140 (Asghar, A.U.R. (398) 131)

Antagonist

Bradykinin B_2 receptor; Vessel, isolated; (Human); (Pig); (Rabbit) (Rizzi, C. (386) 25)

ATP receptor; Oocyte; Voltage clamp; Whole cell; NF279 (8,8'-(carbonylbis(imino-4, 1-phenylenecarbonylimino-4, 1-phenylenecarbonylimino))bis(1,3,5-naphthalenetrisulfonic acid)) (Klapperstück, M. (387) 245)

Glutamate; Receptor; Metabotropic; 2-Methyl-6-(phenylethynyl)-pyridine (MPEP) (Spooren, W.P.J.M. (406) 403)

Antagonist activity

S-0139; Endothelin receptor subtype; Blood vessel, rabbit; Blood vessel, canine (Iwasaki, T. (400) 255)

Antagonist, competitive

Nicotinic acetylcholine receptor; Photoaffinity labeling; Antagonist, non-competitive; 5-HT (5-hydroxytryptamine, serotonin) (Blanton, M.P. (389) 155)

Antagonist, noncompetitive

Nicotinic acetylcholine receptor; Photoaffinity labeling; Antagonist, competitive; 5-HT (5-hydroxytryptamine, serotonin) (Blanton, M.P. (389) 155)

Anthelmintic resistance

Patch-clamp; Parasitic nematode; Nicotinic receptor (Robertson, A.P. (394) 1)

Antiarrhythmic

Class I; Myocardial ischaemia; Arrhythmia; Proarrhythmia (Barrett, T.D. (398) 365)

Antiarrhythmic agent, Class III

K^+ current, Delayed rectifier; Sinoatrial node; Atrioventricular node (Sato, N. (404) 281)

Antiarrhythmic drug

Inward rectifier K^+ channel; Maxi- K^+ channel; Smooth muscle; (Bovine) (Nakahara, T. (402) 143)

Reperfusion arrhythmia; Action potential duration; V_{max} (Baczkó, I. (404) 181)

Antibradycardic agent

MF 10058; Muscarinic M_2 receptor antagonist; Cardiosselective muscarinic receptor antagonist; Sick sinus syndrome; Bradycardia (Lamperti, G. (406) 93)

Anticonvulsant

Retigabine; Entorhinal cortex; Spike frequency habituation; EPSP (excitatory postsynaptic potential); IPSP (inhibitory postsynaptic potential); K^+ channel opener (Hetka, R. (386) 165)

Epilepsy; Topiramate; Carbamazepine; Phenytoin; Valproate; Felbamate; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (388) 163)

GYKI 52466; 2,3-Benzodiazepine; Epilepsy; Hippocampus; Brain slice; Epileptiform bursting (Marinelli, S. (391) 75)

Nitric oxide (NO); Epilepsy; 7-Nitroindazole; Carbamazepine; Diazepam; Lamotrigine; Phenobarbital; Phenytoin; Valproate; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (394) 275)

Anticonvulsant drug

Movement disorder; Nootropic drug; Epilepsy (Löscher, W. (391) 251)

Antidepressant

DHPG ((*RS*)-3,5-dihydroxyphenylglycine); Glutamate receptor, metabotropic, group I; Hippocampus; Imipramine (Zahorodna, A. (386) 173)

Electrophysiology; 5-HT_{1A} receptor; α_2 -Adrenoceptor; Tyramine; Norepinephrine transporter; Pyridobenzoazepine (Liégeois, J.-F. (386) 211)

G-protein; [³⁵S]GTP γ S autoradiography; 5-HT_{1A} receptor; GABA_B receptor; Anxiolytic (Sim-Selley, L.J. (389) 147)

NMDA receptor; Glycine; DSP-4; Norepinephrine; Desipramine (Harkin, A. (389) 187)

Microdialysis; Serotonin (5-hydroxytryptamine, 5-HT); Selective serotonin (5-hydroxytryptamine, 5-HT) reuptake inhibitor; Venlafaxine; YM992 (Hatanaka, K.-i. (395) 23)

Norepinephrine; 5-HT_{2A} receptor antagonist; Microdialysis; YM992; Venlafaxine (Hatanaka, K.-i. (395) 31)

Sibutramine; Desmethylsibutramine; Didemethylsibutramine; Food intake; Obesity; Locomotor activity (Glick, S.D. (397) 93)

Amitriptyline; Tetrodotoxin-sensitive; Tetrodotoxin-resistant; Na^+ channel; Dorsal root ganglion (Song, J.-H. (401) 297)

Melatonin; Forced-swim test; Sex difference; Depression (Brotto, L.A. (402) 87)

Mineralocorticoid receptor; Glucocorticoid receptor; Hypothalamic–pituitary–adrenocortical axis; Stress; Major depression (Reul, J.M.H.M. (405) 235)

Mechanism of action; Monoamine; Neuropeptide; Intracellular signaling; Transcription factor (Vetulani, J. (405) 351)

Conditioned place preference; Amitriptyline; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective (Subhan, F. (408) 257)

Forced swim test; 5-HT₄ receptor; SB 204070A; Fluoxetine (Cryan, J.F. (409) 295)

Antidepressant drug

Imipramine; Lithium chloride; Locomotor activity; Mania (D'Aquila, P.S. (395) 157)

Desipramine; Grooming; Locomotor activity; Mesolimbic dopamine system; Open field; Restraint stress; Chronic mild stress (D'Aquila, P.S. (399) 43)

Dopamine; Depression; Mania; Mesolimbic dopamine system (D'Aquila, P.S. (405) 365)

Antidepressant, tricyclic

β_2 -Adrenoceptor; G_s protein, coupling; Neutrophil; Depression, major; Anxiety (Gurguis, G.N.M. (386) 135)

Antidromic stimulation

Vagal afferent; Somatostatin; Capsaicin; Mustard oil; Anti-inflammatory effect (Thán, M. (399) 251)

Anti-emesis

Cisplatin; (Cat) (Rudd, J.A. (391) 145)

Antiepileptic drug

Topiramate; Electroshock, maximal; Drug interaction; Seizure (Świąder, M. (399) 35)

Vigabatrin; Epileptic activity; Temporal lobe epilepsy; Pharmacoresistant; Brain slice (Muschhoff, U. (401) 167)

Neurotoxicity; Neuroprotection; Apoptosis (Ambrósio, A.F. (406) 191)

Anti-Fas antibody

Aminoguanidine; Hepatitis (Okamoto, T. (403) 277)

Anti-hyperalgesia

Dopaminergic agent; Carrageenan; Dopamine D₁ receptor; Dopamine D₂ receptor; Hypoalgesia (Gao, X. (406) 53)

Anti-implantation activity

Apigenin; Luteolin; Estrogenic activity (Hiremath, S.P. (391) 193)

Anti-inflammation

Diarylheptanoid; Leukocyte adhesion molecule; Vascular endothelial cell; 5-Lipoxygenase (Yamazaki, R. (404) 375)

Anti-inflammatory activity

Verbascosaponin A; Verbascosaponin; Scropolioside A; Scrovalentinoid; (*Scrophularia auriculata* ssp. *pseudoauriculata*) (Giner, R.-M. (389) 243)

Anti-inflammatory effect

Cynaropicrin; TNF- α (tumor necrosis factor- α); Nitric oxide (NO) release; Lymphocyte proliferation; Immunosuppressive effect (Cho, J.Y. (398) 399)

Vagal afferent; Somatostatin; Capsaicin; Mustard oil; Antidromic stimulation (Thán, M. (399) 251)

Anti-inflammatory steroid

Carrageenin-induced pleurisy, rat; Dexamethasone; Prostaglandin H synthase-2 (cyclooxygenase-2); Phospholipase A₂ (Kawamura, M. (400) 127)

Anti-muscarinic action

Heart; Mitoxantrone; (Guinea pig) (Chugun, A. (407) 183)

Antimuscarinic drug

Dopamine; Acetylcholine; GABA (γ -aminobutyric acid); Substantia nigra; Striatum; L-Dopa (Izurieta-Sánchez, P. (399) 151)

Antinociception

δ -Opioid receptor; μ -Opioid receptor; μ -Opioid receptor-knockout mice; G protein; Opioid drug (Hosohata, Y. (388) 241)

Endomorphin-1; Endomorphin-2; Diabetes; δ -Opioid receptor; μ -Opioid receptor (Kamei, J. (391) 91)

Pain; Sex difference; Gonadectomy, adult; β -Endorphin (Krzanowska, E.K. (392) 157)

G protein γ_2 subunit; DPDPE (c[D-Pen²,D-Pen⁵]enkephalin) (Hosohata, K. (392) R9)

Nicotinic acetylcholine receptor; Molecular model; Epibatidine; ABT-594; A-85380; Analgesia (Meyer, M.D. (393) 171)

Locomotor activity; Straub tail; Morphine; SC17599; (Mouse) (Houshyar, H. (395) 121)

Opioid; Dizocilpine (MK-801); NMDA receptor; Metabotropic glutamate receptor; (S)-4CPG ((S)-4-carboxyphenylglycine) (Suzuki, T. (396) 23)

Morphine; NMDA receptor antagonist; D-CPPene (SDZ EAA 494); Memantine; MRZ 2/579; MRZ 2/576; ACEA-1021 (Belozertseva, I.V. (396) 77)

Amphibian; [³H]Naloxone; Opioid receptor (Newman, L.C. (397) 255)

Cannabinoid; Intrahecal; Intraventricular; Structure–activity relationship; Tetrahydrocannabinol (Wiley, J.L. (397) 319)

Cannabinoid; Δ^9 -THC (Δ^9 -tetrahydrocannabinol); SR 141716A; Marijuana, medical; Aerosol; Nebulizer (Lichtman, A.H. (399) 141)

Diabetes; Nitric oxide (NO); Aminoguanidine; Morphine (Grover, V.S. (399) 161)

cGMP; Sodium nitroprusside; K⁺ channel (Soares, A.C. (400) 67)

Nigella sativa oil; Thymoquinone; Opioid system; Formalin test (Abdel-Fattah, A.-F.M. (400) 89)

FR140423; Noradrenergic system; α_2 -Adrenoceptor; Spinal cord; (Mouse) (Ochi, T. (400) 199)

μ -Opioid receptor; G-protein; Pons/medulla; Diabetes (Ohsawa, M. (401) 55)

Opioid; Diabetes mellitus; G-protein; μ -Opioid receptor; δ -Opioid receptor (Pieper, G.M. (401) 375)

Allodynia; Diuresis; Dynorphin; κ -Opioid receptors; Sedation (Ko, M.C.H. (402) 69)

Sarpogrelate; 5-HT_{2A} receptor antagonist; Formalin test; (Rat) (Obata, H. (404) 95)

Nicotine; CaM kinase II; Ca²⁺ channels; Intrathecal; (Mice) (Damaj, M.I. (404) 103)

Neuropeptide FF; Morphine; Adenosine; Spinal cord (Gouardères, C. (406) 391)

Analgesia; Pain; Neuropeptide FF; Spinal cord; Supraspinal (Altier, N. (407) 245)

Morphine; Zn²⁺; Intrathecal; Tolerance; Dependence (Larson, A.A. (407) 267)

FR140423; Serotonergic system; 5-HT_{2A} receptor; 5-HT₃ receptor; Spinal cord; (Mice) (Ochi, T. (409) 167)

Anti-nociception

Cannabinoid receptor; Vanilloid receptor; Anandamide; Capsaicin; Behavior; (Mouse) (Di Marzo, V. (406) 363)

Antinociceptive action

κ -Opioid receptor agonist; TRK-820; κ -Opioid receptor subtype (Endoh, T. (387) 133)

Antinociceptive tolerance

Morphine; TRK-820; U-50,488H; (Mouse) (Tsuji, M. (394) 91)

Antioxidant

Glutathione; Sleep deprivation; Melatonin; Hypothalamus (D'Almeida, V. (390) 299)

Ischemia–reperfusion injury; Picroliv; Liver (Singh, A.K. (395) 229)

Streptozotocin-induced diabetic mouse; Corpus cavernosum; Nitric oxide (NO); Vitamin E; Sodium selenate; Oxidative stress (Göçmen, C. (398) 93)

Diabetic retinopathy; Glutathione; Lipid peroxidation; Superoxide dismutase (Obrosova, I.G. (398) 139)

Oxidative stress; Free radical; Cortical culture; Propofol; Vitamin E (Boland, A. (404) 21)

Myocardial ischemia; β -Adrenoceptor antagonist (Gao, F. (406) 109)

Liver, rat; Ischemia–reperfusion; Protective effect; ATP; Bile flow; Glutathione (Settaf, A. (406) 281)

Tyrosine hydroxylase; Haloperidol; Substantia nigra; Immunohistochemistry; (Rat) (Besret, L. (408) 35)

Antiplaquet vasodilating agent

Streptozotocin-diabetic, rat; Cilostazol; Phosphodiesterase inhibitor (Yamamoto, Y. (409) 1)

Antipsychotic

Neuroleptic; 5-HT (5-hydroxytryptamine), serotonin; 5-HT_{2C} receptor; mCPP-(3-chlorophenyl)piperazine; Behavior; Hypolocomotion; Hypophagia; Locomotor activity; Food intake (Prinssen, E.P.M. (388) 57)

Muscarinic receptor; Olanzapine; Clozapine; Binding (Bymaster, F.P. (390) 245)

Neuroleptic; Catalepsy; Extrapyramidal side-effect; 5-HT (5-hydroxytryptamine, Serotonin) depletion; Dopamine D₂-like receptor; 5-HT_{1A} receptor; *p*-Chlorophenylalanine; Nemonapride; Raclopride; WAY 100635 (Prinssen, E.P.M. (395) 143)

K⁺ channel; Calcium; Calmodulin; Patch clamp; Dequalinium (Dreixler, J.C. (401) 1)

Dopamine receptor; Pharmacogenetics; Polymorphism; Mutation; Schizophrenia (Wong, A.H.C. (410) 183)

Antipsychotic agent

K⁺ channel; Pimozide; HERG (human ether-a-go-go-related gene); Arrhythmia (Kang, J. (392) 137)

Antipsychotic drug

5-HT_{1A} receptor; GTPγ[³⁵S]; Brain, human; Clozapine; Quetiapine (Elliott, J. (386) 313)

Risperidone; Microdialysis; Schizophrenia; Electrophysiology; Noradrenergic system (Nasif, F.J. (394) 67)

Antisecretion

Amtolmetin guacyl; Gastroprotection; Capsaicin; CGRP (calcitonin gene-related peptide) (Tubaro, E. (387) 233)

Antisense

Methylene methylimino linkage; Platelet-derived growth factor A-chain; Spontaneously hypertensive rat (SHR); Smooth muscle cell, vascular (Kishioka, H. (392) 129)

CRF (corticotropin-releasing factor); Urocortin; CRF receptor; Stress; Behaviour; (Antagonist) (Smagin, G.N. (405) 199)

Antisense oligodeoxynucleotide, knockdown

NS-105; Glutamate receptor, metabotropic; Adenylyl cyclase; Primary neuronal culture (Hirouchi, M. (387) 9)

Antisense oligodeoxynucleotide

Na⁺/Ca²⁺ exchange; Ca²⁺ pump; Ca²⁺ concentration, Intracellular; Thapsigargin (Nakao, M. (387) 273)

Antisense oligonucleotide

CGRP receptor, porcine, cloned; G protein-coupled receptor kinase; Homologous desensitization; CGRP (calcitonin gene-related peptide); Ro 32-0432 (Aiyar, N. (403) 1)

Antiserum against atrial natriuretic peptide

Ethanol tolerance; Ethanol dependence; Withdrawal; NMDA (*N*-methyl-D-aspartate); ANP (atrial natriuretic peptide) (Kovács, G.L. (401) 343)

Antithrombin consumption

Hemophilia A; Blood coagulation control; Thrombin–antithrombin complex; Factor Xa/antithrombin complex; Protein SV-IV (Di Micco, B. (391) 1)

Antithrombotic

Coagulation factor Xa; Thrombin; Heparin; (In vivo) (Heran, C. (389) 201)

Antitumour

Ehrlich ascites tumour; Myelopoiesis; MAPA (magnesium ammonium phospholinate-palmitoleate anhydride); CFU-GM (colony-forming unit-granulocyte-macrophage) (Justo, G.Z. (388) 219)

Anti-tussive drug

Cough reflex; ATP-sensitive K⁺ channel; Moguisteine (Morita, K. (395) 161)

Anxiety

β₂-Adrenoceptor; G_s protein, coupling; Neutrophil; Depression, major; Antidepressant, tricyclic (Gurguis, G.N.M. (386) 135)

Depression; 5-HT_{2C} receptor; (Rat) (Kennett, G. (387) 197)

Nicotine; 5-HT_{1A} receptor; Phobia; Septum, lateral; Hippocampus, dorsal (File, S.E. (393) 231)

Blood pressure; Glutamate; Heart rate; Kindling; Long-term potentiation; Panic; Social interaction; Sodium lactate (Sajdyk, T.J. (394) 265)

Plus-maze; Opiate; Benzodiazepine; Naloxone (Belzung, C. (394) 289)

Stress; 5-HT_{1A} receptor; Tachycardia; Hyperthermia; Radiotelemetry (Bouwknicht, J.A. (400) 59)

5-HT_{1B/D} receptor; Psychiatric disorder; 5-HT (5-hydroxytryptamine, serotonin) release; 5-HT (5-hydroxytryptamine, serotonin) synthesis; Depression; Obsessive compulsive disorder; Desensitisation; Supersensitive; Target (Moret, C. (404) 1)

Behaviour; Autonomic response; Endocrine response; Affective disorder; Post-traumatic stress disorder (PTSD); (Rat) (Stam, R. (405) 217)

Stress; Noradrenaline; Hypothalamus; Amygdala; Locus coeruleus; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Conditioned fear stress; Freezing behavior; Monoamine oxidase inhibitor (Maki, Y. (406) 411)

Nicotine; Elevated plus-maze; α-Adrenoceptor; (Mouse) (Zarrindast, M.-R. (407) 145)

MDMA ((±)-3,4-Methylenedioxymethamphetamine); Ecstasy; Odor, cat; Social interaction; Ultrasonic vocalization (Morley, K.C. (408) 41)

Nitric oxide (NO); NMDA (*N*-methyl-D-aspartate); Motor behavior; Ultrasonic vocalization; (Rat) (Podhorna, J. (408) 265)

Fluvoxamine; Diazepam; Conditioned fear stress; Defensive freezing behavior; (Mouse) (Miyamoto, J. (409) 81)

Anxiolytic

G-protein; [³⁵S]GTPγS autoradiography; 5-HT_{1A} receptor; GABA_B receptor; Antidepressant (Sim-Selley, L.J. (389) 147)

Anxiolytic drug

Anxiety; Stress; Noradrenaline; Hypothalamus; Amygdala; Locus coeruleus; Benzodiazepines; Opioid agent (Tanaka, M. (405) 397)

Aorta

Flavonoid; Diocleins; Endothelium; Vasorelaxation; Nitric oxide (NO) (Lemos, V.S. (386) 41)

Somatostatin; Mesenteric artery; Ca²⁺ (Ruiz, E. (388) 255)

Angiotensin II; MAP (mitogen activated protein) kinase; Mechanical stress; Losartan (Kubo, T. (391) 281)

Thapsigargin; Nitric oxide (NO); Endothelium; K⁺ channel; Relaxation; (Rat) (Huang, Y. (392) 51)

Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Trandolapril; Angiotensin-converting enzyme inhibitor; Cholesterol-fed, rabbit; Coronary artery; Mesenteric, 5th branch (Sanz, M. (397) 359)

MAP (mitogen-activated protein) kinase; Angiotensin; Endothelin; Spontaneously hypertensive rat (SHR); DOCA-salt hypertensive rat (Kubo, T. (400) 231)

Guanylyl cyclase, soluble; Superoxide anion; Renin–angiotensin system; Hypertension (Jacke, K. (403) 27)

Organophosphate; Diisopropyl-fluorophosphate; Phentolamine; Norepinephrine; (Rat) (Lim, S.L. (404) 353)

Aorta, rabbit

Polygoidal; Relaxation; Pulmonary artery, rabbit; Pulmonary artery, guinea-pig; Nitric oxide (NO) (André, E. (386) 47)

Aorta, rat

UTP contraction; Smooth muscle; Vascular; Protein kinase C; Ca^{2+} (López, C. (391) 299)

CP-060S; Ca^{2+} channel, L-type voltage-dependent; Ca^{2+} , Cytosolic (Sato, K. (400) 225)

Aortic endothelial cell, bovine

Lipopolysaccharide, bacterial; Bradykinin receptor; Microphysiometer; FR173657 (Bentley, K.R. (402) 11)

AP-1 (activator protein-1)

Opioid peptide; Electrophoretic mobility shift assay; Transcriptional regulation; Uterus, rat; Hypothalamus, rat (Oszter, A. (395) 103)

Hyperalgesia; Complete Freund adjuvant; NF- κ B (nuclear factor kappa B); Octamer factor; NO (nitric oxide) synthase, neuronal (Chan, C.-F. (402) 61)

Apamin

PACAP (pituitary adenylate cyclase-activating peptide); VIP (vasoactive intestinal peptide); Suramin; PACAP-(6–38); VIP-(10–28); Colon; (Rat) (Plujá, L. (389) 217)

4-Aminopyridine; 3,4-Diaminopyridine; Passive avoidance; (Mouse) (Inan, S.Y. (407) 159)

Apigenin

Luteolin; Anti-implantation activity; Estrogenic activity (Hiremath, S.P. (391) 193)

Apolipoprotein E

Vitamin E; Atherosclerosis; Alzheimer's disease (Peroutka, S.J. (410) 161)

Apomorphine

Dopamine; *N*-propyl analog; Microdialysis; Bioavailability; Striatum (Rodenhuis, N. (387) 39)

Scopolamine; Muscarinic acetylcholine receptor; Prepulse inhibition; Startle; Phencyclidine; Dopamine receptor; Glutamate receptor; (Rat) (Jones, C.K. (391) 105)

Prepulse inhibition; Phencyclidine; σ 1 Receptor ligand; MS-377 (Yamada, S. (402) 251)

Histamine; Licking behavior; (Rat) (Farzin, D. (404) 169)

Apoptosis

Ca^{2+} ; Nifedipine; Cardiomyocyte (Rabkin, S.W. (388) 209)

Chloromethyl ketone; Stroke; Focal ischemia; Serine protease inhibitor; Nitric oxide (NO) (LeBlanc, M.H. (390) 249)

Alanine aminotransferase; Concanavalin A; Interferon- γ ; Soyasapogenol A; Tumor necrosis factor- α (TNF- α) (Kuzuhara, H. (391) 175)

CTGF (connective tissue growth factor); TGF- β (transforming growth factor β); Caspase; Atherosclerosis (Hishikawa, K. (392) 19)

Non-steroidal anti-inflammatory drug (NSAID); Ulcer; Colon cancer; Pentose phosphate pathway (Porter, S.N. (397) 1)

NOR3; Nitric oxide (NO); Nitric oxide (NO) donor; DAF-2 (4,5-diaminofluorescein); Ascorbic acid (Yamamoto, T. (397) 25)

Nitric oxide (NO); Hydrogen peroxide; Neuroblastoma; PC12; NO donor; Annexin V (Terwel, D. (400) 19)

Cardiac ischemia; Infarct; Caspase inhibitor; Reperfusion injury (Huang, J.-Q. (402) 139)

Amyotrophic lateral sclerosis (ALS); Motor neuron; Cell culture; Tissue culture; Neurodegenerative disease (Bär, P.R. (405) 285)

Antiepileptic drug; Neurotoxicity; Neuroprotection (Ambrósio, A.F. (406) 191)

Eosinophil; Fluticasone propionate; Budesonide; Beclomethasone (Zhang, X. (406) 325)

CV-2619; NGF (nerve growth factor); Astrocyte (Takuma, K. (406) 333)

Smooth muscle cell, vascular; p53; Gadd45; Troglitazone; Pioglitazone (Okura, T. (407) 227)

Cryptolepine; Neocryptolepine; Plant alkaloid; Topoisomerase II; Cytotoxicity (Dassonneville, L. (409) 9)

Droloxifene; Luteal cell; *c-myc*; bax; bcl-2; mRNA (Leng, Y. (409) 123)

Apoptosis inhibitory protein

Neutrophil; Caspase; Transcription factor; NF- κ B (nuclear factor- κ B); TNF- α (tumor necrosis factor- α) (Niwa, M. (407) 211)

Aquaretic effect

Vasopressin V_2 receptor antagonist; SR121463 (Lacour, C. (394) 131)

Arachidonic acid

Cytosolic phospholipase A_2 ; *S*-Nitroso-cysteine; cGMP; PC12 cell (Thang, S.H. (395) 183)

Cardiomyocyte; Ca^{2+} channel; Phospholipase A_2 ; Mepacrine (Xiao, Y.-F. (399) 107)

Arachidonic acid cascade

Valproate; Platelet; Brain microvessel, rat (Szupera, Z. (387) 205)

Arachidonic acid metabolite

Cytokine; Bronchial hyperresponsiveness; Bronchial asthma (Nakatani, Y. (392) 175)

2-Arachidonylglycerol

Cannabinoid CB_1 receptor; Cannabinoid CB_2 receptor; Cannabinoid receptor antagonist; Hyperalgesia; Anandamide; Palmitoylethanolamide; Nociception; Inflammation (Beaulieu, P. (396) 85)

Arginine

Glutamine; Endothelin; Endotoxin; Nitro-arginine (Mitchell, J.A. (389) 209)

Cyclosporin A; Osteopenia; Pyridinoline; (Rat) (Fiore, C.E. (408) 323)

L-arginine

Renal failure; Gentamicin; Nitric oxide (NO); L-NAME (*N*^ω-nitro-L-arginine methyl ester); (Rat) (Can, C. (390) 327)

[Arg⁸]vasopressin

Prostanoid; Smooth muscle cell; Cell proliferation (Nagano, K. (389) 25)

Aromatase inhibitor

Breast carcinoma; Oestrogen; Androgen (Palma, C. (409) 93)

Aromatic L-amino acid decarboxylase

Methamphetamine; 3-Nitropropionic acid; Neurotoxicity; Dopamine; 5-HT, 5-Hydroxytryptamine; Motor behaviour (Eradiri, O.L. (386) 217)

Arrhythmia

Anaesthetic volatile; Action potential; K_{ATP} channel; Myocyte; Patch clamp (Terrenoire, C. (390) 95)

K⁺ channel; Pimozide; HERG (human ether-a-go-go-related gene); Antipsychotic agent (Kang, J. (392) 137)

Sodium–hydrogen exchanger; Myocardial infarct size (Gumina, R.J. (396) 119)

I_{K,ATP}; Glibenclamide; HMR1883; Sulfonylurea; Cardiac ischemia; Dispersion; Sulfonylurea (Dhein, S. (398) 273)

Antiarrhythmic; Class I; Myocardial ischaemia; Proarrhythmia (Barrett, T.D. (398) 365)

TY-12533; Na⁺/H⁺ exchanger; Ischemia; Reperfusion; Myocardial infarction (Aihara, K. (404) 221)

K_{ATP} channel; Hypertension; Myocardial ischemia; Reperfusion (Lee, Y.-M. (397) 151)

Arterial baroreceptor

Autonomic nervous system; Propofol (Xu, H. (387) 79)

Arterial contraction

Sarcoplasmic reticulum; Ca²⁺-ATPase, Sarcoplasmic reticulum; Ca²⁺ uptake function; Superficial buffer barrier hypothesis; Ca²⁺ influx; Ca²⁺ channel, L-type (Nomura, Y. (404) 315)

Arterial pressure

Spectral analysis; Valsartan; Catecholamine; Isoprenaline (Blanc, J. (394) 311)

Arterial thrombosis

Thromboxane A₂; Z-335; Cilostazol (Tanaka, T. (401) 413)

Arteriole

FITC-dextran; Permeability; Nitric oxide (NO); Platelet-activating factor (PAF); Nitric oxide synthase (NOS) inhibitor; Microcirculation (Klabunde, R.E. (404) 387)

Artery

Rabbit; Phosphoinositide; Peptide; Phospholipase C; Urotensin II (Opgaard, O.S. (406) 265)

Arthritis

Phosphodiesterase 4; Hyperalgesia; Oedema; TNF-α (tumor necrosis factor-α); Rolipram (Francischi, J.N. (399) 243)

Y-39041; TNF-α (Tumor necrosis factor-α); Interleukin-10; Lipopolysaccharide (Hisadome, M. (409) 331)

Articular chondrocyte, rabbit

Osteoarthritis; Rheumatoid arthritis; Aceclofenac; 4'-Hydroxy aceclofenac; Pro-matrix metalloproteinase 1; Pro-matrix metalloproteinase 3 (Akimoto, H. (401) 429)

Ascorbic acid

Apoptosis; NOR3; Nitric oxide (NO); Nitric oxide (NO) donor; DAF-2 (4,5-diaminofluorescein) (Yamamoto, T. (397) 25)

Clozapine; Haloperidol; Ritanserin; Ethanol; Microdialysis; (Rat) (Liu, W. (398) 333)

Aspirin

Dipyridamole; Nitric oxide (NO); Platelet; Polymorphonuclear leukocyte (De La Cruz, J.P. (397) 35)

Alzheimer's disease; Microglia; NSAIDs; Interferon-γ (Ogawa, O. (408) 137)

Association

5-HT_{2A} receptor; Transmission disequilibrium; Genome screening; Dopamine; Estrogen β receptor; Leptin (Hinney, A. (410) 147)

Smoking; Genetic polymorphism; Neurotransmitter; Linkage (Arinami, T. (410) 215)

Associative memory mechanism

Vasopressin; Norepinephrine; Neuromodulation; Hippocampus (Brinton, R.D. (405) 73)

Asthma

Salmeterol; Benzalkonium chloride; Mast cell; G-protein; β₂-Adrenoceptor (Seebeck, J. (397) 19)

TEI-9874; Immunoglobulin E (Nonaka, T. (402) 287)

Leukotriene; Thromboxane; YM158 (Arakida, Y. (403) 169)

NANC (non-adrenergic–non-cholinergic) nerve, excitatory; Neuropeptide; Animal model; (Human) (Kraneveld, A.D. (405) 113)

Asthmatic response

TA-270; Bronchoalveolar eosinophilia; Airway hyperresponsiveness (Aoki, Y. (409) 325)

Astrocyte

Ca²⁺ reperfusion; T-588; NGF (nerve growth factor); PD98059; MAP (mitogen-activated protein) kinase (Takuma, K. (399) 1)

CV-2619; NGF (nerve growth factor); Apoptosis (Takuma, K. (406) 333)

Ca²⁺; LDH (lactate dehydrogenase); Mitochondrion; MTT; Na⁺, K⁺-ATPase; Ouabain (Takahashi, S. (408) 127)

α subunit

GABA_A/benzodiazepine receptor; Hippocampus; Olfactory bulb; Ligand affinity; Receptor heterogeneity (Lameh, J. (400) 167)

α3 subunit

Alzheimer's disease; Parkinson's disease; α4 subunit; α7 subunit; β-Amyloidosis; Acetylcholinesterase; Tobacco exposure (Perry, E. (393) 215)

α4 subunit

Alzheimer's disease; Parkinson's disease; α3 subunit; α7 subunit; β-Amyloidosis; Acetylcholinesterase; Tobacco exposure (Perry, E. (393) 215)

α 7 subunit

Alzheimer's disease; Parkinson's disease; α 3 subunit; α 4 subunit; β -Amyloidosis; Acetylcholinesterase; Tobacco exposure (Perry, E. (393) 215)

Ataxia, cerebellar

5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole-3-acetic acid); 5-Hydroxytryptophol; Dopamine; Noradrenaline (Reader, T.A. (398) 41)

Atherosclerosis

Endothelin-converting enzyme; Endothelin; Cholesterol; Lipid peroxide; (Rabbit) (Mitani, H. (387) 313)

Nitrate; Nitric oxide (NO) synthase; Nitric oxide (NO); L-NIL (*N*-imin-oethyl-L-lysine); (Rabbit) (Behr-Roussel, D. (388) 275)

Endothelin; TNF (tumor necrosis factor) receptor; Endothelial cell; Epithelial cell; Inflammation (Lees, D.M. (390) 89)

CTGF (connective tissue growth factor); TGF- β (transforming growth factor β); Apoptosis; Caspase (Hishikawa, K. (392) 19)

Differentiation; Protein kinase C; Gene expression; α -tropomyosin; (Rat) (Hirano, K. (406) 209)

Vitamin E; Alzheimer's disease; Apolipoprotein E (Peroutka, S.J. (410) 161)

Atipamezole

α ₂-Adrenoceptor; Ageing; Memory; Cholinergic system; Noradrenergic system (Haapalinna, A. (387) 141)

ATP

Vas deferens; Ectonucleotidase; Purinergic (Tennant, J.P. (387) 107)

Adenosine; Mesentery, hamster; Prejunctional neuromodulation; Purine receptor; Sympathetic neurotransmission (Ralevic, V. (387) 287)

Adenosine A₁ receptor; FRTL-5 thyroid cell; Protein kinase C; Signal transduction (Vainio, M. (390) 43)

Ecto-nucleotidase; Dipyridamole; Ecto-ATPase; Superior cervical ganglion, rat; UTP (Connolly, G.P. (397) 271)

Hippocampal slice; Electrical signal; Optical recording; Adenosine receptor (Sato, K. (399) 123)

Acidosis; P2X receptor; pH; Purine; Mesenteric arterial bed; Vasoconstriction (Ralevic, V. (406) 99)

Liver, rat; Ischemia–reperfusion; Protective effect; Bile flow; Glutathione; Antioxidant (Settaf, A. (406) 281)

P₂ purinoceptors; Feeding behaviour (Kittner, H. (406) R13)

Purine; Adenosine; Nucleotide; Hippocampus; Suramin; Long-term potentiation (O'Kane, E.M. (409) 159)

Neonate; Cardiac myocyte; Ca²⁺ current, L-type; Adenosine; Purinoceptor (Suto, F. (409) 213)

Hormonal control; Endothelial receptor, luminal; Purinoceptor; Endothelial mediator; Cardiac function control (Zenteno-Savin, T. (410) 15)

ATP–MgCl₂

Mitochondrial energy metabolism; Mitochondrial enzyme; Lipid peroxidation; Hepatic ischemia/reperfusion (Jeong, C. (403) 243)

ATP receptor

Oocyte; Antagonist; Voltage clamp; Whole cell; NF279 (8,8'-(carbonylbis(imino-4, 1-phenylenecarbonylimino-4, 1-phenylenecarbonylimino))-bis(1,3,5-naphthalenetrisulfonic acid)) (Klapperstück, M. (387) 245)

Enteric neuron; Submucosal neuron; Ca²⁺; Receptor; P2X receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

ATP-sensitive K⁺ channel

Cough reflex; Moguisteine; Anti-tussive drug (Morita, K. (395) 161)

Urinary incontinence; β ₂-Adrenoceptor; Detrusor muscle; Clenbuterol (Hudman, D. (397) 169)

ATP-sensitive, K⁺ channels

Umbilical artery, human; 5-HT (5-hydroxytryptamine, serotonin); Nicotinic; SIN-1 (3-Morpholinomethyl-5-nitro-1-imidazolecarboxylate); Guanylate cyclase; Glibenclamide; ODQ ([1-*H*-(1,2,4) Oxadiazole (4,3-*a*) quinoxalin-1-one]); Temperature (Tiritilli, A. (406) 79)

AT₁ receptor

Fetal, sheep; Angiotensin; AT₂ receptor; Cardiovascular; Cortisol (Hegarty, B.D. (406) 439)

AT₂ receptor

Fetal, sheep; Angiotensin; AT₁ receptor; Cardiovascular; Cortisol (Hegarty, B.D. (406) 439)

Atrioventricular node

K⁺ current, Delayed rectifier; Sinoatrial node; Antiarrhythmic agent, Class III (Sato, N. (404) 281)

Atrium

cAMP; Pituitary adenylate cyclase activating polypeptide (PACAP) (Cui, X. (402) 129)

Atrium, right

YM-31636; 5-HT₃ receptor agonist; Colon, distal; (Guinea pig) (Ito, H. (409) 195)

 α -tropomyosin

Differentiation; Protein kinase C; Atherosclerosis; Gene expression; (Rat) (Hirano, K. (406) 209)

Attention

Nicotine; Learning; Memory (Levin, E.D. (393) 141)

Nicotine; Mecamylamine; Cognition (Stolerman, I.P. (393) 147)

Attractor

Anabolic steroid; Pregnenolone sulfate; Ethylestrenol; Passive avoidance behavior; Memory; Non-linear dynamics; Chaos theory (Isaacson, R.L. (405) 177)

Audiogenic seizure

Epilepsy; Topiramate; Carbamazepine; Phenytoin; Valproate; Felbamate; Anticonvulsant; DBA/2 mouse (De Sarro, G. (388) 163)

Nitric oxide (NO); Epilepsy; 7-Nitroindazole; Carbamazepine; Diazepam; Lamotrigine; Phenobarbital; Phenytoin; Valproate; Anticonvulsant; DBA/2 mouse (De Sarro, G. (394) 275)

Epilepsy; Riluzole; AMPA (α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid); Glycine/NMDA receptor; DBA/2 mouse (De Sarro, G. (408) 25)

Autoimmunity

Androgen; Th1/Th2; Immune function; Prenatal; Estrogen (Martin, J.T. (405) 251)

Autonomic dysfunction

Nicotinic receptor; Nicotinic receptor subunit; Bladder; Knockout mice (De Biasi, M. (393) 137)

Autonomic nervous system

Arterial baroreceptor; Propofol (Xu, H. (387) 79)

Stress; Behaviour (Nijssen, M.J.M.A. (389) 89)

Corticotropin-releasing factor (CRF); Vasopressin; Learning; Memory (Croiset, G. (405) 225)

Autonomic neuropathy

Aldose reductase; Diabetes; Non-adrenergic non-cholinergic; Gastric fundus, rat; Streptozotocin (Jenkinson, K.M. (401) 251)

Autonomic response

Behaviour; Endocrine response; Anxiety; Affective disorder; Post-traumatic stress disorder (PTSD); (Rat) (Stam, R. (405) 217)

Autoradiography

Adenosine receptor; Locomotion; Dopamine receptor; Caffeine; In situ hybridization (Halldner, L. (406) 345)

Aversion

Dorsal periaqueductal gray; μ -Opioid receptor; κ -Opioid receptor; CTOP; Nor-binaltorphimine; Elevated plus-maze (Nobre, M.J. (404) 145)

Avoidance

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Peptide-receptor interaction; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

Axial stretch

Circumferential stretch; Impedance planimetry; Coronary artery, large; Tone; Ca^{2+} -channel, voltage-gated; (Pig) (Tankó, L.B. (387) 303)

Ba^{2+}

Cell death; Cytotoxicity; Cytoprotection; Chromaffin cell; Ca^{2+} channel antagonist (Cano-Abad, M.F. (402) 19)

Baclofen

GABA (γ -aminobutyric acid); Esophageal sphincter relaxation, transient, lower; Tolerance (Lehmann, A. (403) 163)

Imipramine; Ligation; Hot-plate test; (Mouse) (Zarrindast, M.-R. (407) 65)

Cocaine; Methamphetamine; Drug-discrimination; (Rat) (Munzar, P. (408) 169)

β -adrenergic stimulation

Lipopolysaccharide; Vascular hyporeactivity; Ventricular myocyte; Ca^{2+} transient; Nitric oxide (NO) (Shan, Q. (406) 257)

Bafilomycin A_1

α -Fluoromethylhistidine; Histidine decarboxylase; Reserpine; Vacuolar-type ATPase; Vesicular monoamine transporter (Lindström, E. (387) 19)

β -amyloid

Chemokine; *N*-methyl-D-aspartate (NMDA); Cortical culture; Neuroprotection (Bruno, V. (399) 117)

Barbiturate

Movement disorder; Dystonia; Paroxysmal choreoathetosis; GABA (γ -aminobutyric acid) (Richter, A. (397) 343)

Baroreflex

Quinpirole; Renal sympathetic nerve activity; Rabbit, conscious (Van den Buuse, M. (388) 85)

Basal ganglia

Glutamate receptor, metabotropic; Excitatory amino acid; Caudoputamen; Nucleus accumbens; Drug of abuse (Mao, L. (404) 289)

Basal ganglia disorder

Adenosine receptor agonist; Dystonia; Movement disorders (Richter, A. (404) 299)

Basilar artery

Hypocapnic constriction; Endothelin-1; Nitric oxide (NO) (Zuccarello, M. (401) 213)

Endothelin-1; 5-HT (5-hydroxytryptamine, serotonin); Hypocapnia; Isocapnia; Alkaline (Zuccarello, M. (407) 191)

Basolateral amygdala

Synaptic γ -aminobutyric acid (GABA) transmission; 5-HT_{1A} receptors; Presynaptic modulation; Dissociated neuron and tandospirone (Kishimoto, K. (407) 257)

Bathocuproine

Neocuproine; Corpus cavernosum; *S*-Nitrosoglutathione; Non-adrenergic non-cholinergic (NANC) nerve; Nitrgic relaxation (Göçmen, C. (406) 293)

bax

Droloxifene; Luteal cell; Apoptosis; *c-myc*; *bcl-2*; mRNA (Leng, Y. (409) 123)

BAY K 8644

Clonidine; GABA (γ -aminobutyric acid); Ca^{2+} channel, L-type; Limbic system; Septum, Epilepsy (Baran, H. (401) 31)

BAY K8644

Generalized absence epilepsy; Ca^{2+} channel; WAG/Rij rat; Spike-wave discharge; Nimodipine; Ethosuximide; Genetic model (Van Luijtelaar, G. (406) 381)

BAY u9773

Pulmonary artery, porcine; Leukotriene; Contraction; CysLT receptor; ICI 204,219 (Bäck, M. (401) 381)

Pulmonary artery, human; Contraction; Cysteinyl-leukotriene receptor; Prostacyclin; MK 571 (Bäck, M. (401) 389)

Bcl-2

Lithium chloride; β -Amyloid; Alzheimer's disease (Wei, H. (392) 117)

bcl-2

Droloxifene; Luteal cell; Apoptosis; *c-myc*; bax; mRNA (Leng, Y. (409) 123)

1-BCP

AMPA receptor; Purkinje cell; GYKI 53784; Aniracetam; Cyclothiazide; BDP-12 (Kapus, G. (397) 43)

BDP-12

AMPA receptor; Purkinje cell; GYKI 53784; Aniracetam; Cyclothiazide; 1-BCP (Kapus, G. (397) 43)

Beclomethasone

Apoptosis; Eosinophil; Fluticasone propionate; Budesonide (Zhang, X. (406) 325)

Bed nucleus of the stria terminalis

Animal model; Depression; CRF (corticotropin-releasing factor) (Stout, S.C. (401) 39)

Behavior

Antipsychotic; Neuroleptic; 5-HT (5-hydroxytryptamine), serotonin; 5-HT_{2C} receptor; mCPP-(3-chlorophenyl)piperazine; Hypolocomotion; Hypophagia; Locomotor activity; Food intake (Prinssen, E.P.M. (388) 57)

Melanocortin; Feeding; Central nervous system; Body weight homeostasis; Anorexia; Obesity (Vergoni, A.V. (405) 25)

Cannabinoid receptor; Vanilloid receptor; Anandamide; Capsaicin; Antinociception; (Mouse) (Di Marzo, V. (406) 363)

Behavioral dependence

THC (tetrahydrocannabinol); Dependence; Withdrawal; Operant behavior; SR141716A; (Rat) (Beardsley, P.M. (387) 47)

Behavioral tolerance

Dopamine D₁ receptor; 6-Hydroxydopamine; Turning behavior (Casas, M. (396) 93)

Behaviour

Stress; Autonomic nervous system (Nijsen, M.J.M.A. (389) 89)

Acetylcholine; Cholinergic; Glutamate; Interaction; Motivation (Aura, J. (390) 313)

CRF (corticotropin-releasing factor); Urocortin; CRF receptor; Antisense; Stress; (Antagonist) (Smagin, G.N. (405) 199)

Autonomic response; Endocrine response; Anxiety; Affective disorder; Post-traumatic stress disorder (PTSD); (Rat) (Stam, R. (405) 217)

Phencyclidine; Nitric oxide (NO); N^G-nitro-L-arginine methyl ester; *c-fos*; (Rat) (Bujas-Bobanovic, M. (409) 57)

Behavioural tolerance

Cannabinoid; Brain; Energetic metabolism; Cannabinoid CB₁ receptor-specific antagonist (Costa, B. (395) 1)

Benazoline

Imidazoline I₂ receptor ligand; Idazoxan; RX821002; Metrazoline; Tracizoline; Food intake; Water intake (Polidori, C. (392) 41)

Benserazide

Leptin; 5-HTP (5-Hydroxytryptophan); 5-HT (5-hydroxytryptamine, serotonin); (Mouse) (Yamada, J. (406) 159)

Benzalkonium chloride

Salmeterol; Mast cell; G-protein; β_2 -Adrenoceptor; Asthma (Seebeck, J. (397) 19)

2,3-Benzodiazepine

GYKI 52466; Anticonvulsant; Epilepsy; Hippocampus; Brain slice; Epileptiform bursting (Marinelli, S. (391) 75)

Benzodiazepine

Anxiety; Plus-maze; Opiate; Naloxone (Belzung, C. (394) 289)

GABA (γ -aminobutyric acid); Anaesthetic; Optic nerve; Propofol (Empson, R.M. (401) 339)

Zolpidem; Drug discrimination (Rowlett, J.K. (406) R9)

Dopamine; Licking behaviour; Bout structure; Palatability (Higgs, S. (409) 73)

Benzodiazepine receptor

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Benzodiazepine receptor ligand, mitochondrial

[³H]Adenosine; Adenosine uptake; Mitochondrion; Testis, rat (Jiménez, A. (398) 31)

Benzodiazepine receptor, mitochondrial

δ -Aminolaevulinic acid; Protoporphyrin IX; Zinc protoporphyrin IX; Aciflourfen; Protoporphyrinogen oxidase (Messenh  ller, M. (406) 171)

Benzodiazepine receptor, peripheral

Paw oedema; Pleurisy (Torres, S.R. (408) 199)

Benzodiazepines

Anxiety; Stress; Noradrenaline; Hypothalamus; Amygdala; Locus coeruleus; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Berberine

Nitric oxide (NO); K⁺ channel; Ca²⁺ channel; Vasorelaxation; Proliferation; Mesenteric artery; (Rat) (Ko, W.-H. (399) 187)

Betulinic acid

Ca²⁺; Ca²⁺ store; Fura-2; MDCK cell; Thapsigargin (Chou, K.-J. (408) 99)

BeWo cells

P-Glycoprotein; Placenta; Blood-placental barrier; Drug disposition (Ushigome, F. (408) 1)

BHA (3-*t*-butyl-4-hydroxyanisole)

Hindered phenol; Ca²⁺ homeostasis (Fusi, F. (394) 109)

BIBN4096BS

Calcitonin gene-related peptide (CGRP); CGRP (8-38); CGRP receptor subtypes; Left atrium, rat; Vas deferens, rat (Wu, D. (400) 313)

Bicuculline

5-HT(5-hydroxytryptamine, serotonin); 5-HT₃ receptor; glycine receptor; GABA_A; Nicotinic acetylcholine receptor (Sun, H. (391) 243)

Bifunctional inhibitor

Thrombin; Platelet aggregation; Coagulation; Shear (Taka, T. (406) 181)

Big-endothelin-1

Chronic hypoxia; Lung; Endothelin-1; Sarafotoxin-6C; Pulmonary vasoconstriction; Pulmonary vasodilation; Bronchoconstriction; Endothelin ET_B receptor; (Rat) (Lal, H. (402) 101)

BIIE0246

Neuropeptide Y; Neuropeptide Y Y₂ receptor; Hippocampus (Weiser, T. (404) 133)

Bile flow

Liver, rat; Ischemia–reperfusion; Protective effect; ATP; Glutathione; Antioxidant (Settaf, A. (406) 281)

Binding

Muscarinic receptor; Olanzapine; Clozapine; Antipsychotic (Bymaster, F.P. (390) 245)

Nicotinic acetylcholine receptor; Pharmacological comparison; Subunit null mutation; Activation (Whiteaker, P. (393) 123)

Norbinaltorphimine; κ -Opioid receptor (Jones, R.M. (396) 49)

Cholecystokinin; SR146131; $[Ca^{2+}]_i$; Phosphoinositide turnover; (Human) (Schaeffer, P. (397) 303)

Binding affinity

Muscarinic receptor subtype; Ileum, avian; Functional affinity (Darroch, S. (402) 161)

Binding, in vivo

Dopamine; Dopamine D_2 receptor, extrastriatal; $[^{123}I]$ Epidepride; SPECT (Single photon emission computed tomography); α -Methyl-*para*-tyrosine; Schizophrenia (Fujita, M. (387) 179)

Binding site

CCK₁ receptor; Modelling; SR 27897; SR 146131 (Gouldson, P. (400) 185)

 σ Binding site

MS-377; Radiolabeled ligand binding; Brain membrane, rat (Karasawa, J.-i. (400) 51)

Bioavailability

Apomorphine; Dopamine; *N*-propyl analog; Microdialysis; Striatum (Rodenhuis, N. (387) 39)

Dopamine receptor agonist; Microdialysis; Striatum; Bioisosteric replacement; Thiophene analog (Rodenhuis, N. (394) 255)

Bioflavonoid

P-Glycoprotein; Blood–brain barrier; Vincristine; Protein kinase C (Mitsunaga, Y. (395) 193)

Bioisosteric replacement

Dopamine receptor agonist; Microdialysis; Bioavailability; Striatum; Thiophene analog (Rodenhuis, N. (394) 255)

Biological effect

Gastrin-releasing peptide; Bombesin, synthetic glycine-extended form; Gastrin-releasing peptide/bombesin receptor antagonist; (In vitro) (Oiry, C. (403) 17)

Biphasic effect

Δ^9 -Tetrahydrocannabinol; Activity; Cannabinoid; Movement (Sañudo-Peña, M.C. (391) 269)

Bipolar disorder

Schizophrenia; Depression; Memory; Synaptic plasticity; Ventricle enlargement; Neurocognitive impairment (Vawter, M.P. (405) 385)

Biscoclaurine alkaloid

(PDGF) Platelet-derived growth factor; (TGF- β) Transforming growth factor- β ; Mesangial cell, rat (Hayama, M. (390) 37)

Bladder

Nicotinic receptor; Nicotinic receptor subunit; Autonomic dysfunction; Knockout mice (De Biasi, M. (393) 137)

Blood–brain barrier

Brain edema; Cerebral ischemia–reperfusion; Histamine; Intracellular histamine binding site; DPPE (*N,N*-diethyl-2-[4-(phenylmethyl)-phenoxy]ethanamine) (Deli, M.A. (387) 63)

P-Glycoprotein; Bioflavonoid; Vincristine; Protein kinase C (Mitsunaga, Y. (395) 193)

Blood coagulation control

Hemophilia A; Antithrombin consumption; Thrombin–antithrombin complex; Factor Xa/antithrombin complex; Protein SV-IV (Di Micco, B. (391) 1)

Blood flow

Nerve conduction; K^+ channel opener; Na^+ , K^+ ATPase; Oxidative stress; Glutathione; Neuropathy; Diabetic rat (Hohman, T.C. (397) 335)

Blood–placental barrier

P-Glycoprotein; Placenta; BeWo cells; Drug disposition (Ushigome, F. (408) 1)

Blood pressure

Anxiety; Glutamate; Heart rate; Kindling; Long-term potentiation; Panic; Social interaction; Sodium lactate (Sajdyk, T.J. (394) 265)

Endothelin receptor antagonist; Nicotine; Thromboxane; (Rat) (Tanus-Santos, J.E. (396) 33)

Opiate; Dependence, acute; Gender difference; Cardiovascular system; Heart rate; Rat, spinal (Cruz, S.L. (397) 121)

Cocaine; Potentiation; Noradrenaline; Contractility; Chlorisondamine (Sabra, R. (397) 139)

Endothelin-1; Bradykinin; Enalapril; Losartan; (Rat) (Tanus-Santos, J.E. (397) 367)

Quinpirole; Spinal cord transection; Intrathecal domperidone; Dopamine D_2 receptor, spinal; Conscious, rat (Lahlou, S. (408) 51)

Oestrogen receptor modulator; Oestrogen; Nitric oxide (NO); Vaso-pressin; Enzyme regulation (Pávó, I. (410) 101)

Blood vessel

Nicotine; Nicotinic receptor, Non-neuronal; Lung; Skin (Conti-Fine, B.M. (393) 279)

Nitric oxide (NO); S-Nitrosothiol; Organic nitrate; Tolerance (Miller, M.R. (403) 111)

Nitric oxide (NO); S-Nitrosothiol; Organic nitrate; Tolerance (Miller, M.R. (408) 335)

Blood vessel, canine

S-0139; Endothelin receptor subtype; Antagonist activity; Blood vessel, rabbit (Iwasaki, T. (400) 255)

Blood vessel, rabbit

S-0139; Endothelin receptor subtype; Antagonist activity; Blood vessel, canine (Iwasaki, T. (400) 255)

B-lymphocyte

[Met⁵]enkephalin; Gender; T-lymphocyte; Proliferation; Opioid receptor (Gabrilovac, J. (392) 101)

BMV 7378

α_1 -Adrenoceptor subtype; Methoxamine; Cirazoline; P7480; Mesenteric artery, rat (Hussain, M.B. (395) 69)

Body weight homeostasis

Melanocortin; Feeding; Central nervous system; Behavior; Anorexia; Obesity (Vergoni, A.V. (405) 25)

Body weight, rat

Cannabinoid; HU 210; Ingestive behaviour (Giuliani, D. (391) 275)

Bombesin

FLIPR (Fluorescent imaging plate reader); Chinese hamster ovary (Brough, S.J. (409) 259)

Bombesin, synthetic glycine-extended form

Gastrin-releasing peptide; Biological effect; Gastrin-releasing peptide/bombesin receptor antagonist; (In vitro) (Oiry, C. (403) 17)

Bone

Nitric oxide (NO); Nitric oxide (NO) synthases; Vanadium; Growth; Osteoblast differentiation; Cytotoxicity (Cortizo, A.M. (400) 279)

Bout structure

Benzodiazepine; Dopamine; Licking behaviour; Palatability (Higgs, S. (409) 73)

BP 897

Dopamine; D3 receptor; Microphysiometry; Radioligand binding (Wood, M.D. (407) 47)

BQ-788

Endothelin ET_A receptor; Endothelin ET_B receptor; Splanchnic nerve stimulation; FR139317 (Hosokawa, A. (397) 55)

Endothelin-1; FR139317; Phosphoramidon; Transmural electrical stimulation (Nagayama, T. (406) 69)

Bradycardia

MF 10058; Muscarinic M₂ receptor antagonist; Cardiosselective muscarinic receptor antagonist; Antibradycardic agent; Sick sinus syndrome (Lamperti, G. (406) 93)

[³H]Bradykinin

Bradykinin B₁ receptor; Bradykinin B₂ receptor; Regulation; [³H]des-Arg¹⁰-kallidin; WI-38 cell; Cytokine (Phagoo, S.B. (397) 237)

Bradykinin

Monosodium glutamate; Smooth muscle; Adenosine-5'-triphosphate; Acetylcholine; Angiotensin II (Sukhanov, S.N. (386) 247)

Thermal hyperalgesia; Protein kinase C; Phorbol-12, 13-dibutyrate; Calphostin C; Diabetes; (Mouse) (Kamei, J. (390) 113)

Angiotensin-converting enzyme inhibitor; Ischemia; Reperfusion; Ventricular function, dog (Hosoya, K. (390) 157)

Des-Arg¹⁰-kallidin; FLIPR (fluorometric imaging plate reader); Ca²⁺; Non-competitive antagonism; CHO cells (Simpson, P.B. (392) 1)

Interleukin-1 β ; Prostaglandin E₂; Ca²⁺ mobilization; Gingival fibroblast, human (Nakao, S. (395) 247)

Blood pressure; Endothelin-1; Enalapril; Losartan; (Rat) (Tanus-Santos, J.E. (397) 367)

Vas deferens, rat; Bradykinin receptor; Hoe 140; Antagonism, insurmountable (Asghar, A.U.R. (398) 131)

Bradykinin B₂ receptor; Carboxypeptidase; Neutral endopeptidase; Angiotensin I converting enzyme; Aminopeptidase P; Renal vasculature, rat (Bagat , K. (407) 317)

Purinergic neuromodulation; Endothelium; Prostanoid (Thapaliya, S. (408) 313)

Inflammation; Neurogenic; Phorbol ester; Protein kinase C; Triterpenoid (Huguet, A.-I. (410) 69)

Bradykinin B₁ receptor

Bradykinin B₂ receptor; Regulation; [³H]des-Arg¹⁰-kallidin; [³H]Bradykinin; WI-38 cell; Cytokine (Phagoo, S.B. (397) 237)

Umbilical vein, human; Retinoid (Sardi, S.P. (407) 313)

Bradykinin B₂ receptor

Antagonist; Vessel, isolated; (Human); (Pig); (Rabbit) (Rizzi, C. (386) 25)

Bradykinin receptor antagonist; Cystitis; MEN 11270; Urinary bladder, human; Urinary bladder, rat (Meini, S. (388) 177)

Bradykinin B₁ receptor; Regulation; [³H]des-Arg¹⁰-kallidin; [³H]Bradykinin; WI-38 cell; Cytokine (Phagoo, S.B. (397) 237)

Bradykinin; Carboxypeptidase; Neutral endopeptidase; Angiotensin I converting enzyme; Aminopeptidase P; Renal vasculature, rat (Bagat , K. (407) 317)

Antagonism; FR173657; FR190997; MEN 11270; Non-peptide (Meini, S. (409) 185)

Bradykinin B₂ receptor antagonist

Kallikrein secretion; K⁺; Diuresis; Natriuresis; FR173657 (Suzuki, T. (399) 223)

Bradykinin receptor

Vas deferens, rat; Bradykinin; Hoe 140; Antagonism, insurmountable (Asghar, A.U.R. (398) 131)

Lipopolysaccharide, bacterial; Microphysiometer; Aortic endothelial cell, bovine; FR173657 (Bentley, K.R. (402) 11)

Bradykinin receptor antagonist

Bradykinin B₂ receptor; Cystitis; MEN 11270; Urinary bladder, human; Urinary bladder, rat (Meini, S. (388) 177)

Brain

Donepezil hydrochloride; E2020; Tacrine; Cholinesterase inhibitor; Peripheral tissue; (Rat, young); (Rat, Aged) (Kosasa, T. (386) 7)

Kynurenine; 3-Hydroxyanthranilic acid; Inhibitor; Plasma; (Rat) (Forst dt-Wallin, B. (386) 15)

SP1 (stimulatory protein-1) gene transcription factor; NF-kB (nuclear factor-kB) gene transcription factor; Ethanol tolerance; Ethanol dependence (Mittal, N. (386) 113)

Cerebral ischemia; Ischemic tolerance; Preconditioning; Lipopolysaccharide; Nitric oxide (NO); Nitric oxide synthase (NOS); Heat shock protein; Nitro-L-arginine methyl ester; (Rat) (Puisieux, F. (389) 71)

Erythropoietin; Subarachnoid hemorrhage (Buemi, M. (392) 31)

Cannabinoid; Behavioural tolerance; Energetic metabolism; Cannabinoid CB₁ receptor-specific antagonist (Costa, B. (395) 1)

Galanin; Galanin-(1–15); Galanin receptor; Galanin receptor antagonist; Cardiovascular; Neuropeptide (Narváez, J.A. (399) 197)

Brain edema

Blood–brain barrier; Cerebral ischemia–reperfusion; Histamine; Intracellular histamine binding site; DPPE (*N,N*-diethyl-2-[4-(phenylmethyl)phenoxy]ethanamine) (Deli, M.A. (387) 63)

Brain, human

5-HT_{1A} receptor; GTPγ[³⁵S]; Antipsychotic drug; Clozapine; Quetiapine (Elliott, J. (386) 313)

[³⁵S]GTPγS binding; α₂-Adrenoceptor; 5-HT_{1A} receptor; μ-Opioid receptor; G-protein (González-Maeso, J. (390) 25)

Brain injury

Erythropoietin; Cerebral ischemia; Neuronal death delayed; Nitric oxide (NO) (Calapai, G. (401) 349)

Brain ischemia

Erythropoietin; Subarachnoid hemorrhage (Alafaci, C. (406) 219)

Brain melanocortin system

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Peptide–receptor interaction; Avoidance; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

Brain membrane, rat

MS-377; σ Binding site; Radiolabeled ligand binding (Karasawa, J.-i. (400) 51)

Brain microvessel, rat

Valproate; Arachidonic acid cascade; Platelet (Szupera, Z. (387) 205)

Brain phospholipase A₂

Catecholamines, plasma; Sympatho-adrenomedullary outflow, central; Melittin; Mepacrine (Yokotani, K. (398) 341)

Brain regional heterogeneity

GABA_A receptor subtype; [³⁵S]TBPS binding; Agonist coupling; Taurine; β-Alanine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Brain slice

GYKI 52466; 2,3-Benzodiazepine; Anticonvulsant; Epilepsy; Hippocampus; Epileptiform bursting (Marinelli, S. (391) 75)

Antiepileptic drug; Vigabatrin; Epileptic activity; Temporal lobe epilepsy; Pharmacoresistant (Musschoff, U. (401) 167)

Brain stimulation reward

Endogenous opoid; Addiction; Reward; Self-administration; Sexual behaviour; Social behaviour (Van Ree, J.M. (405) 89)

Branched chain amino acid

Encephalomyocarditis virus; Glucose intolerance; Insulinitis (Utsugi, T. (398) 409)

Breast carcinoma

Aromatase inhibitor; Oestrogen; Androgen (Palma, C. (409) 93)

BRL 49653

Thiazolidinedione; Troglitazone; Rosiglitazone; K_{ATP} current; Glibenclamide; K⁺ channel (Mishra, S.K. (386) 121)

Bronchial asthma

Cytokine; Bronchial hyperresponsiveness; Arachidonic acid metabolite (Nakatani, Y. (392) 175)

Bronchial hyperresponsiveness

Cytokine; Bronchial asthma; Arachidonic acid metabolite (Nakatani, Y. (392) 175)

Ozone; Haemoxygenase; Carbon monoxide (CO); Neutrophil (Hisada, T. (399) 229)

Bronchoalveolar eosinophilia

TA-270; Asthmatic response; Airway hyperresponsiveness (Aoki, Y. (409) 325)

Bronchoalveolar lavage

Phosphodiesterase inhibitor; Matrix metalloproteinase; Tissue remodelling; (Mouse) (Belleguic, C. (404) 369)

Bronchoconstriction

Chronic hypoxia; Lung; Endothelin-1; Big-endothelin-1; Sarafotoxin-6C; Pulmonary vasoconstriction; Pulmonary vasodilation; Endothelin ET_B receptor; (Rat) (Lal, H. (402) 101)

Phosphatidylinositol-3-kinase; Wortmannin; Adenosine; Methacholine; 5-HT; Active sensitisation; Ovalbumin; Brown Norway, rat (Tigani, B. (406) 469)

Bronchodilation

Airway; Rho-associated coiled coil-forming protein kinase; Rho; Smooth muscle (Nakahara, T. (389) 103)

Bronchodilator

Rho-kinase; Y-27632 (Iizuka, K. (406) 273)

Bronchus, human, isolated

Phorbol 12,13-diacetate; Theophylline; Caffeine (Sarriá, B. (399) 65)

Brown Norway, rat

Phosphatidylinositol-3-kinase; Wortmannin; Adenosine; Methacholine; 5-HT; Bronchoconstriction; Active sensitisation; Ovalbumin (Tigani, B. (406) 469)

Brush border membrane

5-HT (5-hydroxytryptamine, serotonin) transport; 5-HT receptor; Jejunum, rabbit (Alcalde, A.I. (403) 9)

Brush border membrane vesicle

E3040; Urate uptake; (Rat) (Yamada, H. (406) 45)

β3 subunit

α-Conotoxin MII; *Conus*; Nicotinic acetylcholine receptor, human (McIntosh, J.M. (393) 205)

Budesonide

Apoptosis; Eosinophil; Fluticasone propionate; Beclomethasone (Zhang, X. (406) 325)

Bumetanide

Loop-diuretic; Frusemide; Cardiomyocyte; Contraction (Kelso, E. (400) 43)

α-Bungarotoxin

Nicotinic acetylcholine receptor subtype; Epibatidine (Vailati, S. (393) 23)

Nicotinic receptor; Acetylcholine receptor; Ciliary ganglion; Sciatic nerve; Neuronal (Roth, A.L. (393) 105)

Bupranolol

β -Adrenoceptor, atypical; β_3 -Adrenoceptor; Duodenum, guinea pig; Car-teolol; Partial agonist (Horinouchi, T. (403) 133)

Buprenorphine

Respiration; Methocloctinnamox; Opioid receptor agonist; Opioid receptor antagonist; (Rhesus monkey) (Kishioka, S. (391) 289)

2,3-Butanedione monoxime

Ca_i^{2+} + transient; Fura 2-acetoxymethyl (AM) ester; Long-term culture; Contractility; Ultrastructure; (Guinea pig) (Horackova, M. (404) 247)

 γ -Butyrobetaine hydroxylase inhibitor

Heart failure; Survival rate; Ventricular remodeling; Cardiac functional adaptability; High-energy phosphate (Hayashi, Y. (395) 217)

 Ca^{2+}

Apoptosis; Nifedipine; Cardiomyocyte (Rabkin, S.W. (388) 209)

cAMP; Fluid secretion; Calcein; Multidrug resistance protein (Sugita, M. (388) 227)

Somatostatin; Aorta; Mesenteric artery (Ruiz, E. (388) 255)

Tyrosine kinase; Adrenoceptor; Inositol phosphate; Fura-2 (Berts, A. (389) 35)

UTP contraction; Aorta, rat; Smooth muscle; Vascular; Protein kinase C (López, C. (391) 299)

Des-Arg¹⁰-kallidin; FLIPR (fluorometric imaging plate reader); Bradykinin; Non-competitive antagonism; CHO cells (Simpson, P.B. (392) 1)

Phospholipase C; Histamine; Chromaffin cell; Inositol phospholipid; Adrenal medulla (Roberts-Thomson, E.L. (398) 199)

K^+ channel; Calmodulin; Patch clamp; Antipsychotic; Dequalinium (Dreixler, J.C. (401) 1)

Ouabain; Na^+ ; Aldosterone; $\text{Na}(+) - \text{K}(+) - \text{exchanging ATPase}$ (Yingst, D.R. (406) 49)

Thiazide; Methyclothiazide; Endothelium; Spontaneously hypertensive, rat (SHR); Hypertension (Colas, B. (408) 63)

Betulinic acid; Ca^{2+} store; Fura-2; MDCK cell; Thapsigargin (Chou, K.-J. (408) 99)

Astrocyte; LDH (lactate dehydrogenase); Mitochondrion; MTT; $\text{Na}^+, \text{K}^+ - \text{ATPase}$; Ouabain (Takahashi, S. (408) 127)

Enteric neuron; Submucosal neuron; ATP receptor; Receptor; P2X receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

 $[\text{Ca}^{2+}]_i$

Cholecystokinin; SR146131; Phosphoinositide turnover; Binding; (Human) (Schaeffer, P. (397) 303)

 Ca^{2+} -activated

Anesthetic; volatile; K^+ channel; *Xenopus* oocyte (Namba, T. (395) 95)

 Ca^{2+} -ATPase

Oligomycin; $\text{Na}^+, \text{K}^+ - \text{ATPase}$; Na^+ occlusion; Chimeric ATPase (Homareda, H. (400) 177)

 Ca^{2+} -ATPase inhibitor

Thapsigargin; Ca^{2+} store, EpDRF (epithelium-dependent relaxing factor); Airway epithelial cell; (Guinea pig) (Takahashi, N. (410) 61)

 Ca^{2+} -ATPase, Sarcoplasmic reticulum

Sarcoplasmic reticulum; Ca^{2+} uptake function; Superficial buffer barrier hypothesis; Ca^{2+} influx; Ca^{2+} channel, L-type; Arterial contraction (Nomura, Y. (404) 315)

 Ca^{2+} channel

Hippocampal neuron; Veratridine; Swelling; Death; Na^+ channel (Okuyama, K. (398) 209)

Cardiomyocyte; Phospholipase A₂; Arachidonic acid; Mepacrine (Xiao, Y.-F. (399) 107)

Berberine; Nitric oxide (NO); K^+ channel; Vasorelaxation; Proliferation; Mesenteric artery; (Rat) (Ko, W.-H. (399) 187)

Anandamide; Skeletal muscle (Oz, M. (404) 13)

8-OH-DPAT; 5-HT_{1A} receptor; Na^+ channel; Neuroprotection; Ischemia (Melena, J. (406) 319)

Generalized absence epilepsy; WAG/Rij rat; Spike-wave discharge; Nimodipine; BAY K8644; Ethosuximide; Genetic model (Van Luijckelaar, G. (406) 381)

Recombinant; HEK293 cell; Pharmacology (McNaughton, N.C.L. (407) 53)

 Ca^{2+} channel antagonist

Amlodipine; Memory enhancement; Maze learning; Active avoidance, mice; Chronic drug administration (Quartermain, D. (399) 57)

Cerebral ischaemia model; Na^+ channel antagonist; Electrophysiology (Campbell, C.A. (401) 419)

Ba^{2+} ; Cell death; Cytotoxicity; Cytoprotection; Chromaffin cell (Cano-Abad, M.F. (402) 19)

 Ca^{2+} channel blocker

Respiration; Opioid; Rhesus monkey (Kishioka, S. (397) 85)

AH-1058; Ventricular arrhythmia (Takahara, A. (398) 107)

Herbal drug; Sesquiterpene; Smooth muscle (Irie, K. (403) 235)

Thapsigargin; Stimulus pattern; Acetylcholine release; Neuromuscular junction (Correia-de-Sá, P. (406) 355)

 Ca^{2+} channel, L-type

Clonidine; BAY K 8644; GABA (γ -aminobutyric acid); Limbic system; Septum, Epilepsy (Baran, H. (401) 31)

Sarcoplasmic reticulum; Ca^{2+} -ATPase, Sarcoplasmic reticulum; Ca^{2+} uptake function; Superficial buffer barrier hypothesis; Ca^{2+} influx; Arterial contraction (Nomura, Y. (404) 315)

Sarcoplasmic reticulum; Superficial buffer barrier hypothesis; Ca^{2+} -induced Ca^{2+} release channels; Ca^{2+} movement; Ca^{2+} influx (Asano, M. (404) 327)

Ventricular cardiomyocyte, rat; Contractile function; Nitric oxide (NO); Myoglobin (Vulcu, S.D. (406) 247)

Ca²⁺ channel, L-type voltage-dependent

CP-060S; Aorta, rat; Ca²⁺, Cytosolic (Sato, K. (400) 225)

Ca²⁺ channel, neuronal

Cerebral ischaemia; Neuroprotection (Hicks, C.A. (408) 241)

Ca²⁺ channel, N-type

ω-Conotoxin GVIA; ω-Conotoxin MVIIA; ω-Conotoxin MVIIC; Vas deferens; Intestine; Superior cervical ganglion; (Human); (Rat); (Guinea-pig) (Sanger, G.J. (388) 89)

Ca²⁺ channels

Nicotine; Antinociception; CaM kinase II; Intrathecal; (Mice) (Damaj, M.I. (404) 103)

Ca²⁺-channel, voltage-gated

Circumferential stretch; Axial stretch; Impedance planimetry; Coronary artery, large; Tone; (Pig) (Tankó, L.B. (387) 303)

Ca²⁺-channel, voltage-sensitive

S-Nitrosothiol; Nitric oxide (NO); EDRF (endothelium-derived relaxing factor); Vasodilation (Travis, M.D. (408) 289)

Ca²⁺ concentration

Sphingomyelinase; Smooth muscle, Aortic, rat; Intracellular, free (Zheng, T. (391) 127)

Ca²⁺ concentration, Intracellular

Antisense oligodeoxynucleotide; Na⁺/Ca²⁺ exchange; Ca²⁺ pump; Thapsigargin (Nakao, M. (387) 273)

Ca²⁺ concentration, intracellular

AMPA receptor; Cortical neurone, cultured; Chloral hydrate; Trichloroethanol; Fura-2 microfluorimetry (Fischer, W. (394) 41)

Ca²⁺ current

NPPB (5-nitro-2-(3-phenylpropylamino)-benzoic acid); Patch clamp; Ca²⁺ current, Capacitative; Ca²⁺ release-activated current; Jurkat cell; pH Modulation (Li, J.H. (394) 171)

Mibefradil; Sinus node cell (Protas, L. (401) 27)

Rabies virus; NG108-15 cell; α-Adrenoceptor; Muscarinic receptor; Patch clamp, Whole-cell (Iwata, M. (404) 79)

Ca²⁺ current, Capacitative

NPPB (5-nitro-2-(3-phenylpropylamino)-benzoic acid); Patch clamp; Ca²⁺ current; Ca²⁺ release-activated current; Jurkat cell; pH Modulation (Li, J.H. (394) 171)

Ca²⁺ current, L-type

Neonate; Cardiac myocyte; Adenosine; ATP; Purinoceptor (Suto, F. (409) 213)

Ca²⁺, cytosolic

Angiotensin II; Angiotensin II type 1 receptor; Mesothelial cell; Pleura (Kuwahara, M. (388) 21)

Neuromedin B receptor antagonist, nonpeptide; *c-fos* mRNA; Focal adhesion kinase; Proliferation (Moody, T.W. (409) 133)

Ca²⁺, Cytosolic

CP-060S; Aorta, rat; Ca²⁺ channel, L-type voltage-dependent (Sato, K. (400) 225)

Ca²⁺, cytosolic-free

Neutrophils, rat; p38 Mitogen-activated protein kinase; Tyrosine kinase; Protein kinase C; Phospholipase C (Chang, L.-C. (390) 61)

Ca²⁺ entry, capacitative

Ca²⁺ store, internal; Fura-2; Cation channel, non-selective; Tyrosine kinase (Ohta, T. (387) 211)

Ca²⁺, Extracellular

Muscarinic receptor; Gallbladder; Receptor heterogeneity; Radioligand binding; Kinetics; Ca²⁺, Intracellular; Sr²⁺; (Guinea pig) (Akici, A. (388) 115)

Ca²⁺ homeostasis

Hindered phenol; BHA (3-*t*-butyl-4-hydroxyanisole) (Fusi, F. (394) 109)

Ca²⁺-induced Ca²⁺ release channels

Sarcoplasmic reticulum; Superficial buffer barrier hypothesis; Ca²⁺ movement; Ca²⁺ influx; Ca²⁺ channel, L-type (Asano, M. (404) 327)

Ca²⁺ influx

Endothelial cell; Angiogenesis; Proliferation (Kawasaki, J. (398) 19)

Sarcoplasmic reticulum; Ca²⁺-ATPase, Sarcoplasmic reticulum; Ca²⁺ uptake function; Superficial buffer barrier hypothesis; Ca²⁺ channel, L-type; Arterial contraction (Nomura, Y. (404) 315)

Sarcoplasmic reticulum; Superficial buffer barrier hypothesis; Ca²⁺-induced Ca²⁺ release channels; Ca²⁺ movement; Ca²⁺ channel, L-type (Asano, M. (404) 327)

Ca²⁺, intracellular

Tyrosine kinase; Damnacanthal; Dermal fibroblast (Aoki, K. (387) 119)

Myometrium (porcine); α₂-Adrenoceptor; Clonidine; cAMP; Ca²⁺ sensitivity (Kitazawa, T. (390) 185)

TA-993; Platelet; Glycoprotein IIb/IIIa receptor; ADP; Actin polymerization (Katoh, M. (399) 91)

P2Y receptor; Sweat gland; Anionic secretion; Hyperhidrosis; Ussing chamber (Bovell, D.L. (403) 45)

Ca²⁺, Intracellular

Muscarinic receptor; Gallbladder; Receptor heterogeneity; Radioligand binding; Kinetics; Ca²⁺, Extracellular; Sr²⁺; (Guinea pig) (Akici, A. (388) 115)

Ca²⁺ mobilisation

Muscarinic receptor; Sphingosine 1-phosphate; Dimethylsphingosine; Ins(1,4,5)P₃; SH-SY5Y neuroblastoma cell (Young, K.W. (402) 55)

Ca²⁺ mobilization

Bradykinin; Interleukin-1β; Prostaglandin E₂; Gingival fibroblast, human (Nakao, S. (395) 247)

Ca²⁺ movement

Sarcoplasmic reticulum; Superficial buffer barrier hypothesis; Ca²⁺-induced Ca²⁺ release channels; Ca²⁺ influx; Ca²⁺ channel, L-type (Asano, M. (404) 327)

[Ca²⁺]_i oscillation

Rebamipide; CCK₁ receptor; Pancreatic acinar cell (Moon, S.J. (388) 17)

Ca²⁺ overload

l-cis-Diltiazem; *d*-cis-Diltiazem; Patch-clamp; Whole-cell; Na⁺ current; Lysophosphatidylcholine (Hashimoto, Y. (391) 217)

Ca²⁺ pump

Antisense oligodeoxynucleotide; Na⁺/Ca²⁺ exchange; Ca²⁺ concentration, Intracellular; Thapsigargin (Nakao, M. (387) 273)

Ca²⁺ release-activated current

NPPB (5-nitro-2-(3-phenylpropylamino)-benzoic acid); Patch clamp; Ca²⁺ current; Ca²⁺ current, Capacitative; Jurkat cell; pH Modulation (Li, J.H. (394) 171)

Ca²⁺ reperfusion

T-588; NGF (nerve growth factor); PD98059; MAP (mitogen-activated protein) kinase; Astrocyte (Takuma, K. (399) 1)

Ca²⁺-responsiveness

Ca²⁺-sensitizer; Myocardial contractility; End-systolic elastance; Stunning (De Zeeuw, S. (403) 99)

Ca²⁺ sensitivity

Myometrium (porcine); α_2 -Adrenoceptor; Clonidine; Ca²⁺, intracellular; cAMP (Kitazawa, T. (390) 185)

Ca²⁺ sensitizer

Myocardial oxygen consumption; Diastolic function, regional; Systolic shortening, regional; Systemic haemodynamics (Soei, L.K. (386) 55)

Ca²⁺-sensitizer

Ca²⁺-responsiveness; Myocardial contractility; End-systolic elastance; Stunning (De Zeeuw, S. (403) 99)

Inotropic agent; Hemodynamics; Heart failure; Excitation–contraction coupling; Diastolic dysfunction (Janssen, P.M.L. (404) 191)

Ca²⁺ signalling

InsP₃ receptor; Paxilline; Mycotoxin (Longland, C.L. (408) 219)

Ca²⁺ store

Betulinic acid; Ca²⁺; Fura-2; MDCK cell; Thapsigargin (Chou, K.-J. (408) 99)

Ca²⁺ store, EpDRF (epithelium-dependent relaxing factor)

Thapsigargin; Ca²⁺-ATPase inhibitor; Airway epithelial cell; (Guinea pig) (Takahashi, N. (410) 61)

Ca²⁺ store, internal

Ca²⁺ entry, capacitative; Fura-2; Cation channel, non-selective; Tyrosine kinase (Ohta, T. (387) 211)

[Ca²⁺]_i transient

Endothelin-1; Cardiac muscle; Protein kinase C (Izumi, M. (396) 109)

Ca²⁺ transient

Positive inotropic effect; Ventricular muscle, dog; Myofibrillar Ca²⁺ sensitivity; cAMP; Levosimendan (Takahashi, R. (400) 103)

Lipopolysaccharide; Vascular hyporeactivity; Ventricular myocyte; β -adrenergic stimulation; Nitric oxide (NO) (Shan, Q. (406) 257)

Ca²⁺ + transient

2,3-Butanedione monoxime; Fura 2-acetoxymethyl (AM) ester; Long-term culture; Contractility; Ultrastructure; (Guinea pig) (Horackova, M. (404) 247)

Adrenomedullin; Myocyte; Papillary muscle; Heart, isolated; (Rat) (Stangl, V. (408) 83)

Ca²⁺ uptake function

Sarcoplasmic reticulum; Ca²⁺-ATPase, Sarcoplasmic reticulum; Superficial buffer barrier hypothesis; Ca²⁺ influx; Ca²⁺ channel, L-type; Arterial contraction (Nomura, Y. (404) 315)

Caffeine

Ryanodine receptor; Skinned fiber; Dichlorobenzamil; Phenamil (Ponte, C.G. (391) 11)

Bronchus, human, isolated; Phorbol 12,13-diacetate; Theophylline (Sarriá, B. (399) 65)

Amitriptyline; Thermal hyperalgesia; Neuropathic pain (Esser, M.J. (399) 131)

Adenosine receptor; Locomotion; Dopamine receptor; In situ hybridization; Autoradiography (Halldner, L. (406) 345)

Caged compound

GABA (γ -aminobutyrate); Synaptic inhibition; Hippocampus; Granule cell; GABA_A receptor (Molnár, P. (391) 255)

Calcein

Calcium ion; cAMP; Fluid secretion; Multidrug resistance protein (Sugita, M. (388) 227)

Calcein-AM

Multidrug resistance; *P*-glycoprotein; MRP₁ (multidrug resistance-associated protein); Daunorubicin; Inhibitor; PAK-104P (Marbeuf-Gueye, C. (391) 207)

Calcineurin

Cerebrocortical neuronal culture; Glutamate excitotoxicity; Mitochondrion; Permeability transition pore; Reactive oxygen species; Cyclophilin; Cyclosporin A; Nitric oxide (NO) synthase; Adenine nucleotide; Poly (ADP-ribose) polymerase (Ruiz, F. (404) 29)

Calcitonin gene-related peptide (CGRP)

Amylin; Adrenomedullin; Calcitonin receptor-like receptor; Myocardial contraction; Receptor associated modifying protein (RAMP) (Saetrum Opgaard, O. (397) 373)

BIBN4096BS; CGRP (8-38); CGRP receptor subtypes; Left atrium, rat; Vas deferens, rat (Wu, D. (400) 313)

Calcitonin receptor-like receptor

Amylin; Adrenomedullin; Calcitonin gene-related peptide (CGRP); Myocardial contraction; Receptor associated modifying protein (RAMP) (Saetrum Opgaard, O. (397) 373)

Calmodulin

Zaldaride maleate; Adenylate cyclase; Guanylate cyclase; Ion secretion (Aikawa, N. (394) 233)

K⁺ channel; Calcium; Patch clamp; Antipsychotic; Dequalinium (Dreixler, J.C. (401) 1)

Calmodulin antagonist

Mechanosensitive channel; Stretch receptor; Voltage clamp (Lin, J.-H. (397) 11)

Calphostin C

Bradykinin; Thermal hyperalgesia; Protein kinase C; Phorbol-12, 13-dibutyrate; Diabetes; (Mouse) (Kamei, J. (390) 113)

CaM kinase II

Nicotine; Antinociception; Ca²⁺ channels; Intrathecal; (Mice) (Damaj, M.I. (404) 103)

cAMP

HCL-31D, platelet aggregation; Thromboxane B₂; Phosphoinositide breakdown (Chou, T.-C. (387) 125)

Thromboxane A₂; TP receptor; Forskolin; Mammary artery, internal; Saphenous vein (Cracowski, J.-L. (387) 295)

Calcium ion; Fluid secretion; Calcein; Multidrug resistance protein (Sugita, M. (388) 227)

Receptor expression; Ligand binding; mRNA detection (Dautzenberg, F.M. (390) 51)

Adrenomedullin; Papillary muscle; Contractility (Ihara, T. (390) 167)

Myometrium (porcine); α_2 -Adrenoceptor; Clonidine; Ca²⁺, intracellular; Ca²⁺ sensitivity (Kitazawa, T. (390) 185)

Nitric oxide (NO); β_2 -Adrenoceptor agonist; Smooth muscle; cGMP; Iberiotoxin (Vaali, K. (399) 75)

Positive inotropic effect; Ventricular muscle, dog; Ca²⁺ transient; Myofibrillar Ca²⁺ sensitivity; Levosimendan (Takahashi, R. (400) 103)

Mesenteric artery, rat; Levromakalim; Forskolin; Protein kinase A; K_{ATP} channels (Omar, R. (401) 85)

Cannabinoid CB₂ receptor; WIN55212; Palmitoylethanolamide; Nitric oxide (NO); RAW264.7; Macrophage (Ross, R.A. (401) 121)

Atrium; Pituitary adenylate cyclase activating polypeptide (PACAP) (Cui, X. (402) 129)

5-HT (5-Hydroxytryptamine, serotonin); Endothelial cell, rat; Protein kinase C; [³H]Phorbol 12,13-dibutyrate binding; Trypsin-treated protein kinase C activity; cGMP (Lee, H.-Z. (403) 195)

Epithelial Na⁺ channel; Urinary bladder (Burton, T.J. (404) 273)

Phosphodiesterase; Pulmonary circulation; cGMP; (Pharmacology); (Cat) (De Witt, B.J. (406) 233)

Osteoblast, Human; CGRP (calcitonin gene-related peptide); CGRP-(8-37); Amylin, Amylin-(8-37); Proliferation (Villa, I. (409) 273)

cAMP accumulation

μ -Opioid receptor; Orphanin FQ/nociceptin (Mandyam, C.D. (402) 205)

5-HT receptor; Vasoconstriction (Bou, J. (410) 33)

cAMP-dependent protein kinase

μ -Opioid receptor; Tolerance; Desensitization; Morphine; *N*-(2-aminoethyl)-5-isoquinolinesulfonamide (H8) (Wang, Z. (389) 165)

Adrenoceptor; Dopamine; Loop of Henle; (Mouse) (Higuchi, E. (408) 107)

cAMP phosphodiesterase

Insulin; Primary culture of hepatocyte; Tyrosine phosphorylation; Microtubule; Wortmannin; Herbimycin A (Ishibashi, K. (409) 109)

cAMP response element

Melatonin receptor; Luciferase; Reporter gene assay; HEK293 cell (Conway, S. (390) 15)

Candidate gene

Opiate; Heroin; Addiction; Genetic; Pharmacogenomics (Lichtermann, D. (410) 269)

Cannabinoid

Δ^9 -Tetrahydrocannabinol; Activity; Biphasic effect; Movement (Sañudo-Peña, M.C. (391) 269)

HU 210; Ingestive behaviour; Body weight, rat (Giuliani, D. (391) 275)

Behavioural tolerance; Brain; Energetic metabolism; Cannabinoid CB₁ receptor-specific antagonist (Costa, B. (395) 1)

Capsaicin; Neuron; Afferent; Pain; Receptor; Sensory; Vasodilation (Zygmunt, P.M. (396) 39)

Antinociception; Intrahecal; Intraventricular; Structure–activity relationship; Tetrahydrocannabinol (Wiley, J.L. (397) 319)

Δ^9 -THC (Δ^9 -tetrahydrocannabinol); SR 141716A; Antinociception; Marijuana, medical; Aerosol; Nebulizer (Lichtman, A.H. (399) 141)

Acetylcholine; Glutamate; Learning; Short-term memory (Han, C.J. (403) 87)

Radial-arm maze; SR141716A; Working memory (Lichtman, A.H. (404) 175)

Anandamide; Fatty acid ethanolamides; High-performance liquid chromatography; Mass spectrometry; Anandamide transport (Giuffrida, A. (408) 161)

Cannabinoid CB₁ receptor

Δ^9 -Tetrahydrocannabinol; CP 55,940; Anandamide; SR 141716A; SR 144528; Sympathetic neurotransmission (Lay, L. (391) 151)

Cannabinoid CB₂ receptor; Cannabinoid receptor antagonist; Hyperalgesia; Anandamide; Palmitoylethanolamide; 2-Arachidonylglycerol; Nociception; Inflammation (Beaulieu, P. (396) 85)

Cannabinoid CB₂ receptor

Cannabinoid CB₁ receptor; Cannabinoid receptor antagonist; Hyperalgesia; Anandamide; Palmitoylethanolamide; 2-Arachidonylglycerol; Nociception; Inflammation (Beaulieu, P. (396) 85)

WIN55212; Palmitoylethanolamide; Nitric oxide (NO); RAW264.7; Macrophage; cAMP (Ross, R.A. (401) 121)

Cannabinoid CB₁ receptor-specific antagonist

Cannabinoid; Behavioural tolerance; Brain; Energetic metabolism (Costa, B. (395) 1)

Cannabinoid receptor

Knockout mouse; Δ^9 Tetrahydrocannabinol; Macrophage (Buckley, N.E. (396) 141)

SR 144528; WIN 55212-2; Mutagenesis; Ligand docking; Molecular model (Gouldson, P. (401) 17)

Vanilloid receptor; Anandamide; Capsaicin; Anti-nociception; Behavior; (Mouse) (Di Marzo, V. (406) 363)

Cannabinoid receptor agonist

WIN 55212-2; Cannabinoid receptor antagonist; SR14716A; Ileum; Electrical field stimulation; Short-circuit current, (Rat) (Tyler, K. (409) 207)

Cannabinoid receptor antagonist

Cannabinoid CB₁ receptor; Cannabinoid CB₂ receptor; Hyperalgesia; Anandamide; Palmitoylethanolamide; 2-Arachidonylglycerol; Nociception; Inflammation (Beaulieu, P. (396) 85)

Cannabinoid receptor agonist; WIN 55212-2; SR14716A; Ileum; Electrical field stimulation; Short-circuit current, (Rat) (Tyler, K. (409) 207)

Capillary endothelium

Angiogenesis; *S*-nitrosocaptopril; Captopril; Nitric oxide (NO); Chorioallantoic membrane; Chick embryo; Hemoglobin (Jia, L. (391) 137)

Capsaicin

Amtolmetin guacyl; Antisecretion; Gastroprotection; CGRP (calcitonin gene-related peptide) (Tubaro, E. (387) 233)

Myenteric neuron; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); VIP (Vasoactive intestinal polypeptide); PACAP (Pituitary adenylate cyclase activating peptide); NO (Nitric oxide); Small intestine (Barthó, L. (392) 183)

Cannabinoid; Neuron; Afferent; Pain; Receptor; Sensory; Vasodilation (Zygmunt, P.M. (396) 39)

Vagal afferent; Somatostatin; Mustard oil; Antidromic stimulation; Anti-inflammatory effect (Thán, M. (399) 251)

Cannabinoid receptor; Vanilloid receptor; Anandamide; Anti-nociception; Behavior; (Mouse) (Di Marzo, V. (406) 363)

Nociception; Pain; Ricinoleic acid; Substance P; Tachykinin; (Guinea pig); (Mouse) (Vieira, C. (407) 109)

Captopril

Angiogenesis; *S*-nitrosocaptopril; Nitric oxide (NO); Capillary endothelium; Chorioallantoic membrane; Chick embryo; Hemoglobin (Jia, L. (391) 137)

Carbachol

Mesenteric artery, rat; Endothelium; Levromakalim; Hyperpolarisation; 18 α -Glycyrrhetic acid (White, R. (397) 279)

Nonvascular smooth muscle; Mitogen-activated protein kinase; Contraction; Prostaglandin F_{2 α} (Yousufzai, S.Y.K. (407) 17)

Carbamazepine

Epilepsy; Topiramate; Phenytoin; Valproate; Felbamate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (388) 163)

Nitric oxide (NO); Epilepsy; 7-Nitroindazole; Diazepam; Lamotrigine; Phenobarbital; Phenytoin; Valproate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (394) 275)

Carbohydrate

Indolocarbazole; Cell membrane; Cellular uptake; Rebeccamycin (Goossens, J.-F. (389) 141)

 β -Carboline alkaloid

Inflammation; Nitric oxide (NO); Inducible NO synthase; NF- κ B (nuclear factor- κ B) (Lee, B.G. (406) 301)

Carbon monoxide (CO)

Nitric oxide (NO); Hydrogen peroxide; Corpus cavernosa; Urethra relaxation (Naseem, K.M. (387) 329)

Ozone; Haemoxygenase; Neutrophil; Bronchial hyperresponsiveness (Hisada, T. (399) 229)

Carboxyl terminal tail

δ -Opioid receptor; Down-regulation (Okura, T. (387) R11)

Carboxypeptidase

Bradykinin; Bradykinin B₂ receptor; Neutral endopeptidase; Angiotensin I converting enzyme; Aminopeptidase P; Renal vasculature, rat (Bagaté, K. (407) 317)

Cardiac action potential

Fluoroquinolones; Sparfloxacin; Moxifloxacin; Grepafloxacin; Ciprofloxacin; Purkinje fibre; (Canine) (Patmore, L. (406) 449)

Cardiac fibroblast

Lipopolysaccharide; Angiotensin II type 2 receptor; Cytokine; Nitric oxide (NO); Cyclic GMP (Tamura, M. (386) 289)

Cardiac functional adaptability

γ -Butyrobetaine hydroxylase inhibitor; Heart failure; Survival rate; Ventricular remodeling; High-energy phosphate (Hayashi, Y. (395) 217)

Cardiac function control

Hormonal control; Endothelial receptor, luminal; ATP; Purinoceptor; Endothelial mediator (Zenteno-Savin, T. (410) 15)

Cardiac hypertrophy

Diabetes; Hyperglycaemia; Peroxisome proliferator-activated receptor γ (Bell, D. (390) 237)

Nandrolone decanoate; Deca durabolin; Cocaine; Radiotelemetry; ECG (electrocardiogram); Noradrenaline (Phillis, B.D. (398) 263)

Cardiac ischemia

I_{K,ATP}; Glibenclamide; HMR1883; Sulfonylurea; Dispersion; Arrhythmia; Sulfonylurea (Dhein, S. (398) 273)

Apoptosis; Infarct; Caspase inhibitor; Reperfusion injury (Huang, J.-Q. (402) 139)

Cardiac muscle

Endothelin-1; [Ca²⁺]_i transient; Protein kinase C (Izumi, M. (396) 109)

Cardiac myocyte

Neonate; Ca²⁺ current, L-type; Adenosine; ATP; Purinoceptor (Suto, F. (409) 213)

Cardiomyocyte

Apoptosis; Ca²⁺; Nifedipine (Rabkin, S.W. (388) 209)

Ca²⁺ channel; Phospholipase A₂; Arachidonic acid; Mepacrine (Xiao, Y.-F. (399) 107)

Loop-diuretic; Bumetanide; Frusemide; Contraction (Kelso, E. (400) 43)

Amiodarone; β -Adrenoceptor turnover; Triiodothyronine (Vassy, R. (408) 227)

Cardioselective muscarinic receptor antagonist

MF 10058; Muscarinic M₂ receptor antagonist; Antibradycardic agent; Sick sinus syndrome; Bradycardia (Lamperti, G. (406) 93)

Cardiovascular

Galanin; Galanin-(1–15); Galanin receptor; Galanin receptor antagonist; Neuropeptide; Brain (Narváez, J.A. (399) 197)

Fetal, sheep; Angiotensin; AT₁ receptor; AT₂ receptor; Cortisol (Hegarty, B.D. (406) 439)

Cardiovascular disease

Gene polymorphism; Susceptibility; Angiotensin-converting enzyme; Angiotensinogen; Angiotensin II type 1 receptor (Wang, J.-G. (410) 289)

Cardiovascular regulation

Paraventricular nucleus; Excitatory amino acid; Central; Microinjection; (Rat) (Gören, M.Z. (388) 77)

Cardiovascular safety

5-HT_{1B/1D} receptor agonist; Migraine; Almotriptan (Gras, J. (410) 53)

Cardiovascular system

Opiate; Dependence, acute; Gender difference; Blood pressure; Heart rate; Rat, spinal (Cruz, S.L. (397) 121)

β -Adrenoceptor, subtype; Detrusor; (Ferret) (Takeda, H. (403) 147)

Carnitine palmitoyltransferase

Etomoxir; SDZ CPI 975; Hypertrophy (Yotsumoto, T. (398) 297)

Carnitine palmitoyltransferase I inhibition

Heart, Rat; Contractile function; Etomoxir; Hypertrophy; Infarct size (Günther, J. (406) 123)

Carotid artery

Endothelium; Diabetes; Nitric oxide (NO); 5-HT (5-Hydroxytryptamine, serotonin) (Miranda, F.J. (401) 397)

Hyperpolarization; Nitric oxide (NO); Prostanoid; *N*^ω-nitro-L-arginine; ODQ (1*H*-[1,2,4]oxadiazolo[4,3-*a*]quinoxalin-1-one); Femoral artery (Crauwels, H.M. (404) 341)

Carotid artery blood flow

Eletriptan; Sumatriptan; Femoral artery blood flow; Neurogenic inflammation; Coronary artery diameter (Gupta, P. (398) 73)

Carotid artery, rat

Endothelial injury; Angiotensin I-converting enzyme; Angiotensin I-converting enzyme inhibitor; Vasoconstriction (Lemay, J. (394) 301)

Carrageenan

Inflammation; Nitric oxide (NO); Peroxynitrite; Superoxide dismutase; Tempol (Cuzzocrea, S. (390) 209)

Dopaminergic agent; Dopamine D₁ receptor; Dopamine D₂ receptor; Anti-hyperalgesia; Hypoalgesia (Gao, X. (406) 53)

Carrageenan paw oedema

Ditrazines; Nitric oxide (NO); Eicosanoid; Macrophage; Neutrophil; Air pouch, mouse (Rioja, I. (397) 207)

Carrageenin-induced pleurisy, rat

Anti-inflammatory steroid; Dexamethasone; Prostaglandin H synthase-2 (cyclooxygenase-2); Phospholipase A₂ (Kawamura, M. (400) 127)

CART (cocaine- and amphetamine-regulated transcript)

TRH (thyrotropin releasing hormone); Dopamine; Norepinephrine; Synaptosome; Hypothalamus (Brunetti, L. (409) 103)

Carteolol

β -Adrenoceptor, atypical; β_3 -Adrenoceptor; Duodenum, guinea pig; Partial agonist; Bupranolol (Horinouchi, T. (403) 133)

Caspase

CTGF (connective tissue growth factor); TGF- β (transforming growth factor β); Apoptosis; Atherosclerosis (Hishikawa, K. (392) 19)

Neuroinflammation; Forebrain basal; Acetylcholine; Non-steroidal anti-inflammatory drug; (Rat) (Wenk, G.L. (402) 77)

Neutrophil; Apoptosis inhibitory protein; Transcription factor; NF- κ B (nuclear factor- κ B); TNF- α (tumor necrosis factor- α) (Niwa, M. (407) 211)

Caspase inhibitor

Apoptosis; Cardiac ischemia; Infarct; Reperfusion injury (Huang, J.-Q. (402) 139)

Catalase

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Superoxide dismutase (Karasu, Ç. (392) 163)

Catalepsy

Dopamine D₂ receptor; Dopamine D₃ receptor; Haloperidol; Knock-out mice; SCH 23390 (Boulay, D. (391) 63)

Neuroleptic; Antipsychotic; Extrapyramidal side-effect; 5-HT (5-hydroxytryptamine, Serotonin) depletion; Dopamine D₂-like receptor; 5-HT_{1A} receptor; *p*-Chlorophenylalanine; Nemonapride; Raclopride; WAY 100635 (Prinssen, E.P.M. (395) 143)

Catecholamine

Mutagenesis; Allosteric modulator (Schetz, J.A. (388) R5)

Spectral analysis; Valsartan; Isoprenaline; Arterial pressure (Blanc, J. (394) 311)

Self-administration; Epinephrine; Norepinephrine; Corticosterone; Yok-
ing; Nicotine (Donny, E.C. (402) 231)

Catecholamine, 5-hydroxytryptamine, serotonin (5-HT)

Anandamide; Food intake; Diet restriction; Cognitive function; Hippocampus; Hypothalamus; Corticosterone (Hao, S. (392) 147)

Catecholamine release

Conotoxin; Neuronal nicotinic receptor; Acetylcholine receptor; Chromaffin cell; Nicotinic receptor antagonist (Broxton, N. (390) 229)

Catecholaminergic activity

Morphine withdrawal; Ventricle, right; Yohimbine; Prazosin (Milanés, M.V. (397) 311)

Catecholamines, plasma

Brain phospholipase A₂; Sympatho-adrenomedullary outflow, central; Melittin; Mepacrine (Yokotani, K. (398) 341)

Cation channel, non-selective

Ca²⁺ entry, capacitative; Ca²⁺ store, internal; Fura-2; Tyrosine kinase (Ohta, T. (387) 211)

Cation, Divalent

5-HT₃ receptor; Zn²⁺; Voltage-clamp, Whole-cell; Radioligand binding; Neuromodulation (Hubbard, P.C. (394) 189)

Caudoputamen

Glutamate receptor, metabotropic; Excitatory amino acid; Nucleus accumbens; Basal ganglia; Drug of abuse (Mao, L. (404) 289)

C57BL mouse liver microsomal preparation

Deprenyl metabolism; Cytochrome P450; Parkinson's disease; N-dealkylation pathway (Valoti, M. (391) 199)

C2C12 cell

Glucose transporter isotype 4; Insulin resistance; YM-126414 (Shimokawa, T. (410) 1)

CCK_A receptor

SR 27897B; L-365,260; Cholecystokinin; Dopamine; CCK_B receptor (Tieppo, C.A. (387) 189)

CCK_B receptor

SR 27897B; L-365,260; Cholecystokinin; Dopamine; CCK_A receptor (Tieppo, C.A. (387) 189)

CCK₁ receptor

Rebamipide; [Ca²⁺]_i oscillation; Pancreatic acinar cell (Moon, S.J. (388) 17)

Binding site; Modelling; SR 27897; SR 146131 (Gouldson, P. (400) 185)

CCK receptor antagonist

Gastrin; Gastrin-binding protein (Rorison, K.A. (388) 9)

CCK₁ receptor antagonist

Enkephalin catabolism, mixed inhibitors; Enkephalin, endogenous; Drug discrimination; Morphine; CI 988; RB 120 (Hutcheson, D.M. (401) 197)

CCK₂ receptor antagonist

Fluoxetine; Conditioned place preference; Morphine; RB 120; CI 988 (Subhan, F. (390) 137)

CCR1

Species selectivity; Molecule antagonist (Liang, M. (389) 41)

Cell culture

Vasopressin; Vasopressin V_{1A} receptor; Vasopressin V₂ receptor; Hypertrophy; Myocyte (Nakamura, Y. (391) 39)

Amyotrophic lateral sclerosis (ALS); Motor neuron; Apoptosis; Tissue culture; Neurodegenerative disease (Bär, P.R. (405) 285)

Cell cycle

Suramin; Eriochrome Black T; Endothelial cell; Cyclin (Langer, I. (399) 85)

Ribavirin; Ras; Raf-1; Heat shock; Extracellular signal-regulated protein kinase; GTP (Vallée, S. (404) 49)

Cell death

Ba²⁺; Cytotoxicity; Cytoprotection; Chromaffin cell; Ca²⁺ channel antagonist (Cano-Abad, M.F. (402) 19)

Cell membrane

Indolocarbazole; Cellular uptake; Carbohydrate; Rebeccamycin (Goossens, J.-F. (389) 141)

Cell metabolism

Monoamine oxidase; Hydrogen peroxide; Adipocyte, white (Raimondi, L. (395) 177)

Cell proliferation

[Arg⁸]vasopressin; Prostanoid; Smooth muscle cell (Nagano, K. (389) 25)

Cell size

Taurine; Angiotensin II; Fetal gene expression; Growth factor gene expression; Protein kinase C (Azuma, M. (403) 181)

Cellular injury

Protein kinase C; Phorbol ester; Oxidant (Tepperman, B.L. (389) 131)

Cellular uptake

Indolocarbazole; Cell membrane; Carbohydrate; Rebeccamycin (Goossens, J.-F. (389) 141)

Central

Paraventricular nucleus; Excitatory amino acid; Cardiovascular regulation; Microinjection; (Rat) (Gören, M.Z. (388) 77)

Central nervous system

Convulsion; Systemic toxicity (Sugimoto, M. (401) 329)

Melatonin; Analgesia; Naloxone (Yu, C.-X. (403) 49)

Melanocortin; Feeding; Behavior; Body weight homeostasis; Anorexia; Obesity (Vergoni, A.V. (405) 25)

Stem cell; Differentiation; Hematopoietic (Mezey, É. (405) 297)

TC-2559; Nicotinic receptor; Cognition (Bencherif, M. (409) 45)

Central/peripheral

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Cerebellum

σ Receptor; Glutamate release; GABA (γ-aminobutyric acid) release; Synaptosome (Garrone, B. (400) 35)

Cocaine; Norepinephrine; Purkinje cell; Microiontophoresis; Glutamate; (Rat) (Jiménez-Rivera, C.A. (407) 91)

σ Receptor; (+)Pentazocine; Haloperidol; GTPase; [³⁵S]GTPγS autoradiography (Hong, W. (408) 117)

Cerebral blood flow

Morphine tolerance; Morphine dependence; Naloxone; Opiate withdrawal; Laser-Doppler flowmetry, (Rat) (Zamani, R. (408) 299)

Cerebral blood flow, local

Cerebral ischemia; Middle cerebral artery occlusion (Takamatsu, H. (398) 375)

Cerebral endothelial cell

Dithiocarbamate; NF-κB (nuclear factor-κB); Zn²⁺; (Bovine) (Kim, C.H. (392) 133)

Cerebral ischaemia

Neuroprotection; Ca²⁺ channel, neuronal (Hicks, C.A. (408) 241)

Cerebral ischaemia model

Ca²⁺ channel antagonist; Na⁺ channel antagonist; Electrophysiology (Campbell, C.A. (401) 419)

Cerebral ischemia

Brain; Ischemic tolerance; Preconditioning; Lipopolysaccharide; Nitric oxide (NO); Nitric oxide synthase (NOS); Heat shock protein; Nitro-L-arginine methyl ester; (Rat) (Puisieux, F. (389) 71)

5-HT receptor; 8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin); Stereology; (Rat) (Torup, L. (395) 137)

γ-Hydroxybutyrate; Hippocampus; Immunohistochemistry; Sensory-motor test; Spatial learning (Vergoni, A.V. (397) 75)

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Morris water maze; Learning; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

Middle cerebral artery occlusion; Cerebral blood flow, local (Takamatsu, H. (398) 375)

Erythropoietin; Brain injury; Neuronal death delayed; Nitric oxide (NO) (Calapai, G. (401) 349)

Cerebral ischemia, focal

LY341122; Neuroprotection; Stroke; Oxygen radical; (Rat) (Huh, P.W. (389) 79)

Cerebral ischemia–reperfusion

Blood–brain barrier; Brain edema; Histamine; Intracellular histamine binding site; DPPE (*N,N*-diethyl-2-[4-(phenylmethyl)phenoxy]ethanamine) (Deli, M.A. (387) 63)

Cerebral metabolism

Cholinergic system; Cholinesterase inhibitor; Alzheimer's disease; Nucleus basalis, rat (Bassant, M.-H. (387) 151)

Cerebral vasospasm

Protein kinase C isoform; Subarachnoid hemorrhage (Nishizawa, S. (398) 113)

Cerebrocortical neuronal culture

Glutamate excitotoxicity; Mitochondrion; Permeability transition pore; Reactive oxygen species; Cyclophilin; Cyclosporin A; Calcineurin; Nitric oxide (NO) synthase; Adenine nucleotide; Poly (ADP-ribose) polymerase (Ruiz, F. (404) 29)

Cerebrovascular constriction

Tamoxifen; Oxyhemoglobin; Protein kinase C (Wickman, G. (390) 181)

Cetirizine

Scratching behavior; Immunoglobulin E; Anaphylaxis, passive cutaneous; Substance P; Histamine; Histamine H₁ receptor; Oxatamide; Epinastine; Terfenadine; (Mouse) (Inagaki, N. (400) 73)

C-fiber

Vagus nerve; Cholinergic nerve; Acetylcholine; Neurokinin-A (Matsumoto, K. (403) 157)

C-fibre

Flexor reflex; Rostral ventromedial medulla; Wind-up; Spino-bulbo-spinal; Inhibitory feedback mechanism; Morphine (Gozariu, M. (394) 75)

Cough; Substance P; Tachykinin; Citric acid (Moreaux, B. (408) 305)

c-Fos

Racemic-flurbiprofen; *S*(+)-flurbiprofen; *R*(-)-flurbiprofen; Noxious heat; Spinal dorsal horn (Buritova, J. (406) 59)

c-fos

Morphine withdrawal; Prostaglandin; Prostanoid EP₃ receptor; μ -Opioid receptor; Locus coeruleus (Nakagawa, T. (390) 257)

c-jun; Cholecystokinin; MAP (mitogen-activated protein), kinase; Hypotonic stress (Murai, A. (394) 27)

zif268; 6-Hydroxydopamine; *N*-methyl-D-aspartate (NMDA); L-3,4-dihydroxyphenylalanine (L-DOPA); Striatum (Adams, A.C. (404) 303)

Stressful stimuli; Neuropeptide; Paraventricular nucleus; Supraoptic nucleus; Amygdaloid nucleus, central (Palkovits, M. (405) 161)

Phencyclidine; Nitric oxide (NO); *N*^G-nitro-L-arginine methyl ester; Behaviour; (Rat) (Bujas-Bobanovic, M. (409) 57)

c-fos mRNA

Neuromedin B receptor antagonist, nonpeptide; Ca²⁺, cytosolic; Focal adhesion kinase; Proliferation (Moody, T.W. (409) 133)

CFU-GM (colony-forming unit-granulocyte-macrophage)

Ehrlich ascites tumour; Antitumour; Myelopoiesis; MAPA (magnesium ammonium phospholipoleate-palmitoleate anhydride) (Justo, G.Z. (388) 219)

C6 glioma cell

Zolmitriptan; 5-HT_{1B} receptor, human; K⁺ channel, Ca²⁺-dependent (Le Grand, B. (397) 297)

Immunosuppressant; Cyclosporine; Nitric oxide (NO); α_1 -Adrenoceptor (Ikesue, H. (407) 221)

cGMP

Lipopolysaccharide; Angiotensin II type 2 receptor; Cytokine; Nitric oxide (NO); Cardiac fibroblast (Tamura, M. (386) 289)

Meloxicam; Nitric oxide (NO); *N*^G-L-nitro-arginine methyl ester (L-NAME); ODQ (1*H*-(1,2,4)-oxadiazolo[4,2-*a*]quinoxalin-1-one) (Aguirre-Bañuelos, P. (395) 9)

Arachidonic acid; Cytosolic phospholipase A₂; *S*-Nitroso-cysteine; PC12 cell (Thang, S.H. (395) 183)

Nitric oxide (NO); β_2 -Adrenoceptor agonist; Smooth muscle; cAMP; Iberiotoxin (Vaali, K. (399) 75)

Sodium nitroprusside; K⁺ channel; Antinociception (Soares, A.C. (400) 67)

Morphine; Sildenafil; *N*^G-L-nitro-arginine methyl ester (L-NAME); ODQ (1*H*-[1,2,4]-oxadiazolo[4,3-*a*]quinoxalin-1-one); Naloxone (Mixcoatl-Zecuatl, T. (400) 81)

Urinary bladder; Urethra; Nitric oxide (NO); Smooth muscle (Fujiwara, M. (401) 241)

5-HT (5-Hydroxytryptamine, serotonin); Endothelial cell, rat; Protein kinase C; [³H]Phorbol 12,13-dibutyrate binding; Trypsin-treated protein kinase C activity; cAMP (Lee, H.-Z. (403) 195)

Phosphodiesterase; Pulmonary circulation; cAMP; (Pharmacology); (Cat) (De Witt, B.J. (406) 233)

cGMP-dependent protein kinase

Nitric oxide (NO); Na⁺,K⁺-ATPase; Aging; Trachea, rat (Scavone, C. (388) 1)

CGRP-(8-38)

Calcitonin gene-related peptide (CGRP); BIBN4096BS; CGRP receptor subtypes; Left atrium, rat; Vas deferens, rat (Wu, D. (400) 313)

CGRP-(8-37)

Osteoblast, Human; CGRP (calcitonin gene-related peptide); Amylin, Amylin-(8-37); Proliferation; cAMP (Villa, I. (409) 273)

CGRP (calcitonin gene-related peptide)

Amtolmetin guacyl; Antisecretion; Gastroprotection; Capsaicin (Tubaro, E. (387) 233)

ERK (extracellular signal-regulated kinase); P38; Forskolin; HEK 293 cell (Parameswaran, N. (389) 125)

Vasodilation; Sensory nerve fibre; Migraine (Olivar, T. (395) 61)

Adrenomedullin; Inflammation; Eye; Nitric oxide (NO) (Clementi, G. (400) 321)

CGRP receptor, porcine, cloned; G protein-coupled receptor kinase; Homologous desensitization; Ro 32-0432; Antisense oligonucleotide (Aiyar, N. (403) 1)

Preconditioning; TNF- α (tumor necrosis factor- α); Glibenclamide; Heart, rat (Peng, J. (407) 303)

Lenticulostriate artery, human; RT-PCR; Adrenomedullin; CRLR (calcitonin receptor-like receptor); RAMP (receptor activity-modifying protein) (Sams, A. (408) 183)

Osteoblast, Human; CGRP-(8-37); Amylin, Amylin-(8-37); Proliferation; cAMP (Villa, I. (409) 273)

CGRP receptor, porcine, cloned

G protein-coupled receptor kinase; Homologous desensitization; CGRP (calcitonin gene-related peptide); Ro 32-0432; Antisense oligonucleotide (Aiyar, N. (403) 1)

CGRP receptor subtypes

Calcitonin gene-related peptide (CGRP); BIBN4096BS; CGRP (8-38); Left atrium, rat; Vas deferens, rat (Wu, D. (400) 313)

CGS 21680

Adenosine A_{2A} receptor; SCH 58261; ZM 241385; Motor activity; Knockout, mouse (El Yacoubi, M. (401) 63)

Chaos theory

Anabolic steroid; Pregnenolone sulfate; Ethylestrenol; Passive avoidance behavior; Memory; Non-linear dynamics; Attractor (Isaacson, R.L. (405) 177)

Charged residue

Cholecystokinin CCK₁ receptor; Mutagenesis; SR 27897; SR 146131 (Gouldson, P. (389) 115)

Chemokine

Fractalkine; Chemotaxis; Adhesion; Umbilical vein, human; Endothelial cell (Chapman, G.A. (392) 189)

N-methyl-D-aspartate (NMDA); β -amyloid; Cortical culture; Neuroprotection (Bruno, V. (399) 117)

G-protein coupled receptor; Receptor coupling; HIV (human immunodeficiency virus) (Di Salvo, J. (409) 143)

Chemosensitivity

Glioma; Telomerase; Penclomedine; p53 (Vietor, M. (407) 27)

Chemotaxis

Fractalkine; Chemokine; Adhesion; Umbilical vein, human; Endothelial cell (Chapman, G.A. (392) 189)

Chick embryo

Angiogenesis; S-nitrosocaptopril; Captopril; Nitric oxide (NO); Capillary endothelium; Chorioallantoic membrane; Hemoglobin (Jia, L. (391) 137)

Chimera

Dopamine transporter; Cocaine; Cocaine analog; Phosphorylation; Site-directed mutagenesis (Chen, N. (405) 329)

Chimeric ATPase

Oligomycin; Na⁺, K⁺-ATPase; Ca²⁺-ATPase; Na⁺ occlusion (Homareda, H. (400) 177)

Chimeric receptor

Constitutively-active receptor; IP receptor; Partial agonist; Prostacyclin (Wise, H. (386) 89)

Chinese hamster ovary

Bombesin; FLIPR (Fluorescent imaging plate reader) (Brough, S.J. (409) 259)

Chloral hydrate

AMPA receptor; Cortical neurone, cultured; Trichloroethanol; Ca²⁺ concentration, intracellular; Fura-2 microfluorimetry (Fischer, W. (394) 41)

Chlorisondamine

Cocaine; Potentiation; Noradrenaline; Blood pressure; Contractility (Sabra, R. (397) 139)

Chlormethiazole

Clomethiazole; Spreading depression; Hippocampus; Hypoxia; Neuroprotection (Stone, T.W. (399) 29)

Chloroadenosine

Adenosine; Interneuron; Hippocampus; Afterhyperpolarization (Li, H. (407) 237)

Chlorogenic acid derivative

Glucose production, hepatic; Glucose-6-phosphatase; Glucose, blood; Glycogenesis (Herling, A.W. (386) 75)

7-Chlorokynurenate

Excitotoxicity; Glycine_B receptor; Neuroprotection (Wu, H.-Q. (390) 267)

Chloromethyl ketone

Stroke; Focal ischemia; Apoptosis; Serine protease inhibitor; Nitric oxide (NO) (LeBlanc, M.H. (390) 249)

CHO cells

Des-Arg¹⁰-kallidin; FLIPR (fluorometric imaging plate reader); Bradykinin; Ca²⁺; Non-competitive antagonism (Simpson, P.B. (392) 1)

Cholecystokinin

SR 27897B; L-365,260; Dopamine; CCK_A receptor; CCK_B receptor (Tieppo, C.A. (387) 189)

c-fos; *c-jun*; MAP (mitogen-activated protein), kinase; Hypotonic stress (Murai, A. (394) 27)

SR146131; [Ca²⁺]_i; Phosphoinositide turnover; Binding; (Human) (Schaeffer, P. (397) 303)

Cholecystokinin CCK₁ receptor

Mutagenesis; Charged residue; SR 27897; SR 146131 (Gouldson, P. (389) 115)

Choleretic

Acetophenone analogue; Cholesterol; Lithogenic index; Phloacetophenone; (*Curcuma comosa*) (Piyachaturawat, P. (387) 221)

Cholesterol

Acetophenone analogue; Choleretic; Lithogenic index; Phloacetophenone; (*Curcuma comosa*) (Piyachaturawat, P. (387) 221)

Endothelin-converting enzyme; Endothelin; Atherosclerosis; Lipid peroxide; (Rabbit) (Mitani, H. (387) 313)

Cholesterol-fed, rabbit

Trandolapril; Angiotensin-converting enzyme inhibitor; Aorta; Coronary artery; Mesenteric, 5th branch (Sanz, M. (397) 359)

Choline

Acetylcholine; Cortex, medial prefrontal; Norepinephrine; Serotonin (Hedou, G. (390) 127)

Hippocampus; Interneuron; Nicotinic receptor; Excitation; Methyllycaconitine; GABA (γ -aminobutyric acid) (Alkondon, M. (393) 59)

Nicotinic acetylcholine receptor; Acetylcholine; Agonist; Partial; Co-agonist; *Xenopus laevis* oocyte (Zwart, R. (393) 209)

Cholinergic

Alzheimer's disease; Exocytosis; Neuromuscular junction; Oocyte; Synaptic vesicle; Tacrine; (*Torpedo marmorata*); (*Xenopus laevis*) (Ros, E. (390) 7)

Acetylcholine; Glutamate; Interaction; Motivation; Behaviour (Aura, J. (390) 313)

Nicotine; Activation; Tobacco; Addiction; Ventral tegmental area (Dani, J.A. (393) 31)

Cholinergic deficit

Nicotinic acetylcholine receptor; Allosteric modulation; Alzheimer's disease; Galanthamine (Maelicke, A. (393) 165)

Cholinergic nerve

Vagus nerve; C-fiber; Acetylcholine; Neurokinin-A (Matsumoto, K. (403) 157)

Cholinergic neuron

Neonatal; ACTH (adrenocorticotropin); Neuroprotection; Magnocellular basal nucleus; Glia (Horvath, K.M. (405) 33)

Cholinergic neurotransmission

Experimental diabetes; Nitric oxide (NO) (Özdem, S.S. (387) 321)

Cholinergic system

α_2 -Adrenoceptor; Atipamezole; Ageing; Memory; Noradrenergic system (Haapalinna, A. (387) 141)

Cholinesterase inhibitor; Cerebral metabolism; Alzheimer's disease; Nucleus basalis, rat (Bassant, M.-H. (387) 151)

Cholinesterase

Donepezil hydrochloride (E2020); Tacrine; Physostigmine; ENA-713; TAK-147; NIK-247; Cholinesterase inhibitor (Kosasa, T. (389) 173)

Cholinesterase inhibitor

Donepezil hydrochloride; E2020; Tacrine; Brain; Peripheral tissue; (Rat, young); (Rat, Aged) (Kosasa, T. (386) 7)

Cholinergic system; Cerebral metabolism; Alzheimer's disease; Nucleus basalis, rat (Bassant, M.-H. (387) 151)

Donepezil hydrochloride (E2020); Tacrine; Physostigmine; ENA-713; TAK-147; NIK-247; Cholinesterase (Kosasa, T. (389) 173)

Alzheimer's disease; Amyloid precursor protein; Amyloid- β peptide; Plaque; Tau; Tangle; Nicotine; Muscarinic receptor; Nicotinic receptor (Hellström-Lindahl, E. (393) 255)

(–)-Huperzine A; Acetylcholinesterase; Cerebral ischemia; Morris water maze; Learning; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

Chondroitinase

Dermatan; Chondroitin sulfate; Fibroblast; Proliferation (Denholm, E.M. (400) 145)

Chondroitin sulfate

Dermatan; Fibroblast; Proliferation; Chondroitinase (Denholm, E.M. (400) 145)

Chorioallantoic membrane

Angiogenesis; *S*-nitrosocaptopril; Captopril; Nitric oxide (NO); Capillary endothelium; Chick embryo; Hemoglobin (Jia, L. (391) 137)

Choroidal blood flow

Laser-Doppler flowmetry; Sympathetic vasodilation; β -Adrenoceptor activation; β -Adrenoceptor antagonist; L-NAME (*N*^G-nitro-L-arginine methyl ester); Indomethacin; (Rat) (Kawarai, M. (386) 227)

Chromaffin cell

Conotoxin; Neuronal nicotinic receptor; Acetylcholine receptor; Nicotinic receptor antagonist; Catecholamine release (Broxton, N. (390) 229)

Phospholipase C; Histamine; Ca^{2+} ; Inositol phospholipid; Adrenal medulla (Roberts-Thomson, E.L. (398) 199)

Ba^{2+} ; Cell death; Cytotoxicity; Cytoprotection; Ca^{2+} channel antagonist (Cano-Abad, M.F. (402) 19)

Chronic drug administration

Ca^{2+} channel antagonist; Amlodipine; Memory enhancement; Maze learning; Active avoidance, mice (Quartermain, D. (399) 57)

Chronic hypoxia

5-HT (5-hydroxytryptamine, serotonin) uptake; Pulmonary hypertension; Lung, rat (Jeffery, T.K. (396) 137)

Lung; Endothelin-1; Big-endothelin-1; Sarafotoxin-6C; Pulmonary vasoconstriction; Pulmonary vasodilation; Bronchoconstriction; Endothelin ET_B receptor; (Rat) (Lal, H. (402) 101)

Chronic mild stress

Antidepressant drug; Desipramine; Grooming; Locomotor activity; Mesolimbic dopamine system; Open field; Restraint stress (D'Aquila, P.S. (399) 43)

Chronic pain

Nerve ligation; Protein kinase C; TrkB receptor; Spinal cord; (Mouse) (Narita, M. (401) 187)

5-HT (5-hydroxytryptamine, serotonin); Spinal cord; Paw pressure test; (Rat) (Bardin, L. (409) 37)

Chronic treatment

5-HT (5-hydroxytryptamine, serotonin); Microdialysis; (Rat) (Cremers, T.I.F.H. (397) 351)

Chronopharmacology

L-DOPA methylester; Parkinson's disease; Daily rhythm; Radiotelemetry; Infusion constant rate (Simon, N. (401) 79)

Chymase

Mast cell; Angiogenesis; Compound 48/80; Granuloma (Muramatsu, M. (402) 181)

CI 988

Fluoxetine; Conditioned place preference; Morphine; RB 120; CCK₂ receptor antagonist (Subhan, F. (390) 137)

Enkephalin catabolism, mixed inhibitors; Enkephalin, endogenous; Drug discrimination; Morphine; CCK₁ receptor antagonist; RB 120 (Hutchinson, D.M. (401) 197)

Cibenzoline

Disopyramide; Pilsicainide; QTc; Adrenaline; (Dog) (Miyamoto, S. (400) 263)

Disopyramide; Ionic current; I_{Kr} ; I_{Ks} ; Rat sino-atrial nodal cell (Sato, H. (407) 123)

Ciliary ganglion

Nicotinic receptor; Acetylcholine receptor; α -Bungarotoxin; Sciatic nerve; Neuronal (Roth, A.L. (393) 105)

Cilostazol

Thromboxane A₂; Arterial thrombosis; Z-335 (Tanaka, T. (401) 413)

Streptozotocin-diabetic, rat; Antiplatelet vasodilating agent; Phosphodiesterase inhibitor (Yamamoto, Y. (409) 1)

Ciprofloxacin

Fluoroquinolones; Sparfloxacin; Moxifloxacin; Grepafloxacin; Purkinje fibre; Cardiac action potential; (Canine) (Patmore, L. (406) 449)

Cirazoline

α_1 -Adrenoceptor subtype; Methoxamine; P7480; Mesenteric artery, rat; BMY 7378 (Hussain, M.B. (395) 69)

Circumferential stretch

Axial stretch; Impedance planimetry; Coronary artery, large; Tone; Ca²⁺-channel, voltage-gated; (Pig) (Tankó, L.B. (387) 303)

Cirrhosis

Stellate cell; Endothelin; Liver; Fibrosis, rat (Gandhi, C.R. (406) 311)

Cisapride

EM574; Motilin; Gastric emptying; (Dog) (Sako, F. (395) 165)

Cisplatin

Anti-emesis; (Cat) (Rudd, J.A. (391) 145)

Sensory neuropathy; Superoxide production; Peroxynitrite (Szilvassy, J. (403) 259)

Citalopram

Microdialysis; 5-Hydroxytryptamine, serotonin (5-HT); Hippocampus, ventral; 5-Hydroxytryptamine, serotonin (5-HT) reuptake inhibitor, selective (Cremers, T.I.F.H. (397) 63)

Citric acid

Cough; Substance P; C-fibre; Tachykinin (Moreaux, B. (408) 305)

c-jun

c-fos; Cholecystokinin; MAP (mitogen-activated protein), kinase; Hypotonic stress (Murai, A. (394) 27)

c-Jun N-terminal kinase

LL-Z1640-2; Radicol; Mitogen-activated protein kinases; HgCl₂ (Matsuoka, M. (409) 155)

Class I

Antiarrhythmic; Myocardial ischaemia; Arrhythmia; Proarrhythmia (Barrett, T.D. (398) 365)

Cl⁻ channel

Niflumic acid; Trachea; $I_{Cl(ca)}$ (Teixeira, M.C.L. (394) 117)

Vasoconstriction; Stilbene derivative; Smooth muscle, vascular (Lamb, F.S. (401) 403)

Adrenoceptor; β_3 -Adrenoceptor; K⁺ channel; Ionic secretion; Colon, rat (Schultheiss, G. (403) 251)

Cl⁻ current

Neurotensin; SR 48692; Neurotensin receptor; Dorsal root ganglion (Kawarada, S. (404) 69)

Clenbuterol

Agonist; Contractile response (Hudman, D. (392) 79)

Urinary incontinence; β_2 -Adrenoceptor; ATP-sensitive K⁺ channel; Detrusor muscle (Hudman, D. (397) 169)

Clomethiazole

Chlormethiazole; Spreading depression; Hippocampus; Hypoxia; Neuroprotection (Stone, T.W. (399) 29)

Clonal pancreatic β -cell

Glibenclamide; Tolbutamide; Desensitization; Insulin release; K_{ATP} channel (Ball, A.J. (408) 327)

Clonidine

Myometrium (porcine); α_2 -Adrenoceptor; Ca²⁺, intracellular; cAMP; Ca²⁺ sensitivity (Kitazawa, T. (390) 185)

Gastroprotection; α_{2B} -Adrenoceptor; Opioid receptor (Gyires, K. (396) 131)

BAY K 8644; GABA (γ -aminobutyric acid); Ca²⁺ channel, L-type; Limbic system; Septum, Epilepsy (Baran, H. (401) 31)

Clonidine-displacing substance

NG108-15 cell; Reverse phase HPLC; Imidazoline binding site (Parker, C.A. (387) 27)

Clozapine

5-HT_{1A} receptor; GTP γ [³⁵S]; Brain, human; Antipsychotic drug; Quetiapine (Elliott, J. (386) 313)

Muscarinic receptor; Olanzapine; Binding; Antipsychotic (Bymaster, F.P. (390) 245)

Dizocilpine ((+)-MK-801); NMDA receptor antagonist; Neurotoxicity; Retrosplenial cortex; Olanzapine; Immediate early gene (Fujimura, M. (398) 1)

Haloperidol; Ritanserin; Ascorbic acid; Ethanol; Microdialysis; (Rat) (Liu, W. (398) 333)

Fos-protein; Tolerance; DOI; 8-OH-DPAT (Sebens, J.B. (408) 11)

Pharmacogenetics; 5-HT (5-hydroxytryptamine, serotonin); Tryptophan hydroxylase; 5-HT receptor; 5-HT (5-hydroxytryptamine, serotonin) transporter; Monoamine oxidase; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective (Veenstra-VanderWeele, J. (410) 165)

Clozapine-induced potentiation

NMDA receptor; MK-801; Haloperidol; Long-term potentiation; Perforant path–dentate gyrus pathway (Kubota, T. (395) 37)

Clozapine, intravenous

Acute tolerance; Clozapine, oral; Pharmacodynamics; Pharmacokinetics; Pharmacokinetic–pharmacodynamic modeling; Potency, relative (Sun, L. (398) 225)

Clozapine, oral

Acute tolerance; Clozapine, intravenous; Pharmacodynamics; Pharmacokinetics; Pharmacokinetic–pharmacodynamic modeling; Potency, relative (Sun, L. (398) 225)

Cl[−] secretion

Colon, rat; PAF (platelet-activating factor); Thromboxane A₂ (Suzuki, T. (400) 297)

c-myc

Droloxifene; Luteal cell; Apoptosis; bax; bcl-2; mRNA (Leng, Y. (409) 123)

Co-agonist

Nicotinic acetylcholine receptor; Acetylcholine; Choline; Agonist; Partial; *Xenopus laevis* oocyte (Zwart, R. (393) 209)

Coagulation

Thrombin; Coronary artery disease; (Human) (Pothula, A. (402) 1)

Thrombin; Platelet aggregation; Shear; Bifunctional inhibitor (Taka, T. (406) 181)

Coagulation factor Xa

Antithrombotic; Thrombin; Heparin; (In vivo) (Heran, C. (389) 201)

Coagulation inhibitor

Thrombosis; Factor Xa; Thrombin (Sinha, U. (395) 51)

α-Cobratoxin

Nicotinic acetylcholine receptor; Neurotoxin (Servent, D. (393) 197)

Cocaine

Convulsion; Toxicity; AMPA receptor; Kainate receptor; NMDA receptor (Pouw, B. (386) 181)

Corticosterone; Neuroendocrine; Hypothalamo pituitary–adrenal axis; Self-administration; Stress (Galici, R. (387) 59)

Psychostimulants sensitization; Amphetamine; Nucleus accumbens shell; Nucleus accumbens core (Cadoni, C. (388) 69)

Dopamine; Dopamine D₁ receptor agonist; Drug discrimination; SKF-82958; SCH-39166; (Rat) (Haile, C.N. (388) 125)

Dopamine release; Protein kinase C; Amphetamine; Phorbol ester; Transport, reverse (Cowell, R.M. (389) 59)

Substance P; Neurotensin; Dopamine; Ibogaine; Methamphetamine; Drug abuse (Alburges, M.E. (390) 119)

Motor activity; Conditioning; Dizocilpine (MK-801); D-CPPene (SDZ EAA 494); Memantine; ACEA-1021; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

5-HT₃ receptor; Ondansetron; Sensitization; (Rat) (King, G.R. (394) 97)

γ-Aminobutyric acid (GABA); Dopamine; Microdialysis; γ-Vinyl GABA (vigabatrin); γ-Aminobutyric acid (GABA) reuptake inhibitor (Gerashimov, M.R. (395) 129)

Potentiation; Noradrenaline; Blood pressure; Contractility; Chlorisondamine (Sabra, R. (397) 139)

Ibogaine; Sensitization; Dopamine; Stereotypy; Drug addiction (Szumlin-ski, K.K. (398) 259)

Nandrolone decanoate; Deca durabolin; Radiotelemetry; Cardiac hypertrophy; ECG (electrocardiogram); Noradrenaline (Phillis, B.D. (398) 263)

Amphetamine; Dorsal horn; Hyperalgesia (Ohsawa, M. (399) 165)

Muscarinic receptor agonist; Self-administration; Drug-naive; (Mouse) (Rasmussen, T. (402) 241)

Dopamine transporter; Cocaine analog; Phosphorylation; Chimera; Site-directed mutagenesis (Chen, N. (405) 329)

Cerebellum; Norepinephrine; Purkinje cell; Microiontophoresis; Glutamate; (Rat) (Jiménez-Rivera, C.A. (407) 91)

Baclofen; Methamphetamine; Drug-discrimination; (Rat) (Munzar, P. (408) 169)

Cocaine analog

Dopamine transporter; Cocaine; Phosphorylation; Chimera; Site-directed mutagenesis (Chen, N. (405) 329)

Cocaine, chronic

Norepinephrine transporter; Placenta, rat (Shearman, L.P. (386) 1)

Coculture

Lead; Hepatocyte, rat; Lipopolysaccharide; Kupffer cell; TNF-α (tumor necrosis factor-α); Nitric oxide (NO); Nitric oxide (NO) synthase, inducible (Milosevic, N. (401) 317)

Coeliac ganglion

Nicotine; Noradrenaline release; Stomach, rat; Nicotinic receptor (Yokotani, K. (402) 223)

Cognition

Nicotine; Mecamylamine; Attention (Stolerman, I.P. (393) 147)

Nerve growth factor (NGF); Dopamine receptor; Acetylcholine; Extrapyramidal symptom (Ozaki, T. (402) 39)

Neuropeptide; Intranasal administration; Vasopressin; Insulin; Melanocortin (Fehm, H.L. (405) 43)

Schizophrenia; Stress; Coping; Hypothalamic–pituitary–adrenal system; Immune system (Gispén-de Wied, C.C. (405) 375)

TC-2559; Nicotinic receptor; Central nervous system (Bencherif, M. (409) 45)

Cognitive function

Anandamide; Food intake; Diet restriction; Hippocampus; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

CO-induced amnesia

Neuroactive steroid; Pregnenolone; Dehydroepiandrosterone; Learning; Memory; (Mouse) (Maurice, T. (390) 145)

Colchicine

Preconditioning; Angiotensin; Ischaemia; Prazosin (Sharma, A. (406) 85)

Collagen

Heart failure; Hypertrophy; Moxonidine; Sympathetic activation; (Rat) (Van Kerckhoven, R. (397) 113)

Collagen-induced arthritis

Leukotriene B₄; Air pouch; Leukocyte infiltration; Interleukin-1; LY293111Na (Kuwabara, K. (402) 275)

Collision-coupling model

μ-Opioid receptor; δ-Opioid receptor; G-protein; [³⁵S]GTPγS binding; Compartmentalization (Remmers, A.E. (396) 67)

Colon

PACAP (pituitary adenylate cyclase-activating peptide); VIP (vasoactive intestinal peptide); Apamin; Suramin; PACAP-(6–38); VIP-(10–28); (Rat) (Plujà, L. (389) 217)

Dysmotility; Ischemia–reperfusion; Adenosine A₁ receptor antagonist; RT-PCR (reverse transcription-polymerase chain reaction); (Rat) (Kadowaki, M. (409) 319)

Colon adenocarcinoma

Adenosine receptor; HT29 cell; Adenosine deaminase; Epithelial differentiation (Lelièvre, V. (391) 21)

Colon cancer

Non-steroidal anti-inflammatory drug (NSAID); Apoptosis; Ulcer; Pentose phosphate pathway (Porter, S.N. (397) 1)

Colon damage

Dinitrobenzene sulfonic acid; Inflammation; Nitric oxide (NO); Peroxynitrite; Poly (ADP-ribose) synthetase; Free radical (Cuzzocrea, S. (406) 127)

Colon, distal

NANC (nonadrenergic, noncholinergic) relaxation; Strain difference; Nitric oxide (NO); VIP (vasoactive intestinal peptide) (Okishio, Y. (388) 97)

YM-31636; 5-HT₃ receptor agonist; Atrium, right; (Guinea pig) (Ito, H. (409) 195)

Colon, mouse, isolated

Nociceptin; ORL1 receptor; Nitric oxide (NO) (Menzies, J.R.W. (388) 183)

Colon, rat

PAF (platelet-activating factor); Thromboxane A₂; Cl[−] secretion (Suzuki, T. (400) 297)

Adrenoceptor; β₃-Adrenoceptor; Cl[−] channel; K⁺ channel; Ionic secretion (Schultheiss, G. (403) 251)

Colorectal cancer

Neuropathy; Dorsal root ganglia; Hippocampal neuron; Sural nerve (Adelsberger, H. (406) 25)

Compartmentalization

μ-Opioid receptor; δ-Opioid receptor; G-protein; [³⁵S]GTPγS binding; Collision-coupling model (Remmers, A.E. (396) 67)

Complete Freund adjuvant

Hyperalgesia; NF-κB (nuclear factor kappa B); AP-1 (activator protein-1); Octamer factor; NO (nitric oxide) synthase, neuronal (Chan, C.-F. (402) 61)

Compound 48 / 80

Chymase; Mast cell; Angiogenesis; Granuloma (Muramatsu, M. (402) 181)

Connective tissue mast cell; Mast cell-deficient (Ws/Ws) rat; Tracheal contraction; 5-HT (5-hydroxytryptamine, serotonin); Histamine (Ikawati, Z. (420) 297)

Conantokin G

Conopeptide; Neurotensin; Dynorphin; Methamphetamine; NMDA receptor (Bush, L. (387) 55)

Concanavalin A

Alanine aminotransferase; Apoptosis; Interferon-γ; Soyasapogenol A; Tumor necrosis factor-α (TNF-α) (Kuzuhara, H. (391) 175)

Cytochrome P450; Hepatitis (Okamoto, T. (394) 157)

Aminoguanidine; Hepatitis (Okamoto, T. (396) 125)

Conditioned fear stress

Anxiety; Freezing behavior; Monoamine oxidase inhibitor (Maki, Y. (406) 411)

Fluvoxamine; Diazepam; Anxiety; Defensive freezing behavior; (Mouse) (Miyamoto, J. (409) 81)

Conditioned place preference

Restraint stress; Adaptation; D-Amphetamine; Dopamine D₁ receptor; Dopamine D₂ receptor; Opioid system; Sensitization (Capriles, N. (386) 127)

Fluoxetine; Morphine; RB 120; CI 988; CCK₂ receptor antagonist (Subhan, F. (390) 137)

Nociceptin; Orphanin FQ; ORL1 receptor; Morphine; Spatial learning; Locomotor sensitization (Ciccocioppo, R. (404) 153)

Cyclo-oxygenase inhibitor; Nimesulide; Abuse liability (Fattore, L. (406) 75)

Amitriptyline; Antidepressant; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective (Subhan, F. (408) 257)

Conditioned response

Immunity; Stress; Psychoneuroimmunology (Ader, R. (405) 167)

Conditioning

Cocaine; Motor activity; Dizocilpine (MK-801); D-CPPene (SDZ EAA 494); Memantine; ACEA-1021; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

Connective tissue mast cell

Compound 48/80; Mast cell-deficient (Ws/Ws) rat; Tracheal contraction; 5-HT (5-hydroxytryptamine, serotonin); Histamine (Ikawati, Z. (420) 297)

Connexin

Melittin; Phospholipase A₂; Gap junction; Endothelium-derived hyperpolarizing factor (EDHF); Endothelium; Smooth muscle, vascular (Hutchinson, I.R. (406) 239)

Conopeptide

Conantokin G; Neurotensin; Dynorphin; Methamphetamine; NMDA receptor (Bush, L. (387) 55)

Conotoxin

Neuronal nicotinic receptor; Acetylcholine receptor; Chromaffin cell; Nicotinic receptor antagonist; Catecholamine release (Broxton, N. (390) 229)

 ω -Conotoxin GVIA

Ca^{2+} channel, N-type; ω -Conotoxin MVIIA; ω -Conotoxin MVIIC; Vas deferens; Intestine; Superior cervical ganglion; (Human); (Rat); (Guinea-pig) (Sanger, G.J. (388) 89)

 α -Conotoxin MII

Conus; Nicotinic acetylcholine receptor, human; $\beta 3$ subunit (McIntosh, J.M. (393) 205)

 ω -Conotoxin MVIIA

Ca^{2+} channel, N-type; ω -Conotoxin GVIA; ω -Conotoxin MVIIC; Vas deferens; Intestine; Superior cervical ganglion; (Human); (Rat); (Guinea-pig) (Sanger, G.J. (388) 89)

 ω -Conotoxin MVIIC

Ca^{2+} channel, N-type; ω -Conotoxin GVIA; ω -Conotoxin MVIIA; Vas deferens; Intestine; Superior cervical ganglion; (Human); (Rat); (Guinea-pig) (Sanger, G.J. (388) 89)

Conscious, rat

Quinpirole; Blood pressure; Spinal cord transection; Intrathecal domperidone; Dopamine D_2 receptor, spinal (Lahlou, S. (408) 51)

Constitutive activity

Histamine H_1 receptor; Inverse agonism (Bakker, R.A. (387) R5)

Constitutively-active receptor

Chimeric receptor; IP receptor; Partial agonist; Prostacyclin (Wise, H. (386) 89)

Continuous infusion

Dihydroetorphine; Morphine; Physical dependence; Stereotypy; (Rat) (Aceto, M.D. (387) 31)

Contractile function

Heart, Rat; Carnitine palmitoyltransferase I inhibition; Etomoxir; Hypertrophy; Infarct size (Günther, J. (406) 123)

Ventricular cardiomyocyte, rat; Ca^{2+} channel, L-type; Nitric oxide (NO); Myoglobin (Vulcu, S.D. (406) 247)

Contractile response

Clenbuterol; Agonist (Hudman, D. (392) 79)

Contractility

Adrenomedullin; Papillary muscle; cAMP (Ihara, T. (390) 167)

Cocaine; Potentiation; Noradrenaline; Blood pressure; Chlorisondamine (Sabra, R. (397) 139)

2,3-Butanedione monoxime; Ca_i^{2+} + transient; Fura 2-acetoxymethyl (AM) ester; Long-term culture; Ultrastructure; (Guinea pig) (Horackova, M. (404) 247)

Contraction

Loop-diuretic; Bumetanide; Frusemide; Cardiomyocyte (Kelso, E. (400) 43)

Pulmonary artery, porcine; Leukotriene; CysLT receptor; ICI 204,219; BAY u9773 (Bäck, M. (401) 381)

Pulmonary artery, human; Cysteinyl-leukotriene receptor; Prostacyclin; BAY u9773; MK 571 (Bäck, M. (401) 389)

Nonvascular smooth muscle; Mitogen-activated protein kinase; Prostaglandin $\text{F}_{2\alpha}$; Carbachol (Yousufzai, S.Y.K. (407) 17)

Conus

α -Conotoxin MII; Nicotinic acetylcholine receptor, human; $\beta 3$ subunit (McIntosh, J.M. (393) 205)

Convulsion

Cocaine; Toxicity; AMPA receptor; Kainate receptor; NMDA receptor (Pouw, B. (386) 181)

GEPR (genetically epilepsy-prone rat); Electroshock; α_1 -Adrenoceptor; β -Adrenoceptor; Receptor regulation (Seo, D.O. (396) 53)

Central nervous system; Systemic toxicity (Sugimoto, M. (401) 329)

Coping

Corticosterone; ACTH (adrenocorticotropin); CRH (corticotropin-releasing hormone); Social; Maternal behavior (Levine, S. (405) 149)

Schizophrenia; Stress; Cognition; Hypothalamic–pituitary–adrenal system; Immune system (Gispen-de Wied, C.C. (405) 375)

Coronary

Diazepam; Progesterone; γ -Aminobutyric acid (GABA); K^+ channel (Jacob, M.K. (403) 209)

Coronary artery

Trandolapril; Angiotensin-converting enzyme inhibitor; Cholesterol-fed, rabbit; Aorta; Mesenteric, 5th branch (Sanz, M. (397) 359)

Urotensin II; Vasodilatation (Katano, Y. (402) 209)

Eletriptan; GR125743; Middle meningeal artery; Migraine; Saphenous vein; Serotonin; Sumatriptan; (Human) (Van den Broek, R.W.M. (407) 165)

Coronary artery diameter

Eletriptan; Sumatriptan; Carotid artery blood flow; Femoral artery blood flow; Neurogenic inflammation (Gupta, P. (398) 73)

Coronary artery disease

Thrombin; Coagulation; (Human) (Pothula, A. (402) 1)

Coronary artery endothelium

AMP579; Neutrophil degranulation; Neutrophil adherence; Superoxide anion (Nakamura, M. (397) 197)

Coronary artery, large

Circumferential stretch; Axial stretch; Impedance planimetry; Tone; Ca^{2+} -channel, voltage-gated; (Pig) (Tankó, L.B. (387) 303)

Coronary bed

Dual coronary perfusion method; Perfusion cannula (Coetzee, W.A. (402) 263)

Coronary blood flow

Coronary vasodilatation; Coronary vasodilator tone; β -Adrenoceptor stimulation (Fernández, N. (387) 93)

Coronary flow

Diltiazem; Heart, isolated, rat; Ischemia; Microsphere; Reperfusion (Katsumata, N. (398) 83)

Coronary vasodilatation

Coronary blood flow; Coronary vasodilator tone; β -Adrenoceptor stimulation (Fernández, N. (387) 93)

Coronary vasodilator tone

Coronary blood flow; Coronary vasodilatation; β -Adrenoceptor stimulation (Fernández, N. (387) 93)

Coronary vasorelaxant

Thiazolidinedione; Hemodynamics; Heart; Prostaglandin (Uchida, K. (400) 113)

Corpus cavernosa

Nitric oxide (NO); Carbon monoxide (CO); Hydrogen peroxide; Urethra relaxation (Naseem, K.M. (387) 329)

Corpus cavernosum

Streptozotocin-induced diabetic mouse; Nitric oxide (NO); Antioxidant; Vitamin E; Sodium selenate; Oxidative stress (Göçmen, C. (398) 93)

Neocuproine; Bathocuproine; *S*-Nitrosoglutathione; Non-adrenergic non-cholinergic (NANC) nerve; Nitrergic relaxation (Göçmen, C. (406) 293)

Cortex

5-HT_{1A} receptor; EEDQ; [³⁵S]GTP γ S binding assay; Hippocampus; Receptor reserve; Spare receptor (Alper, R.H. (390) 67)

AMPA (α -amino-3-hydroxy-5-methyl-4-isoxazole propionic acid); AMPA receptor modulator; Hippocampus (Black, M.D. (394) 85)

Cortex, medial prefrontal

Acetylcholine; Choline; Norepinephrine; Serotonin (Hedou, G. (390) 127)

Cortex, prefrontal

Locus coeruleus; Noradrenaline; Stress; NMDA receptor; GABA receptor; CRF receptor; Microdialysis (Kawahara, H. (387) 279)

Acetylcholine; Hippocampus; HU 210; Microdialysis; SR 141716A; WIN 55, 212-2 (Acquas, E. (401) 179)

Cortical culture

Chemokine; *N*-methyl-D-aspartate (NMDA); β -amyloid; Neuroprotection (Bruno, V. (399) 117)

Oxidative stress; Free radical; Antioxidant; Propofol; Vitamin E (Boland, A. (404) 21)

Glutamate; Neurotoxicity; σ Receptor; Phencyclidine site (Nishikawa, H. (404) 41)

Cortical neurone, cultured

AMPA receptor; Chloral hydrate; Trichloroethanol; Ca²⁺ concentration, intracellular; Fura-2 microfluorimetry (Fischer, W. (394) 41)

Corticosteroid

Stress; Hypothalamus–pituitary–adrenal activity (De Kloet, E.R. (405) 187)

Corticosterone

Cocaine; Neuroendocrine; Hypothalamo pituitary–adrenal axis; Self-administration; Stress (Galici, R. (387) 59)

Anandamide; Food intake; Diet restriction; Cognitive function; Hippocampus; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT) (Hao, S. (392) 147)

Self-administration; Catecholamine; Epinephrine; Norepinephrine; Yoking; Nicotine (Donny, E.C. (402) 231)

ACTH (adrenocorticotropin); CRH (corticotropin-releasing hormone); Coping; Social; Maternal behavior (Levine, S. (405) 149)

Vasopressin; Firing pattern; Ion channel; Neurotransmitter (Joëls, M. (405) 207)

Cortisol

Fetal, sheep; Angiotensin; AT₁ receptor; AT₂ receptor; Cardiovascular (Hegarty, B.D. (406) 439)

COS-7 cell

Dopamine receptor; Receptor fragment; Adenylate cyclase (Scarselli, M. (397) 291)

Cough

Substance P; C-fibre; Tachykinin; Citric acid (Moreaux, B. (408) 305)

Cough reflex

ATP-sensitive K⁺ channel; Moguisteine; Anti-tussive drug (Morita, K. (395) 161)

CP 55,940

Cannabinoid CB₁ receptor; Δ^9 -Tetrahydrocannabinol; Anandamide; SR 141716A; SR 144528; Sympathetic neurotransmission (Lay, L. (391) 151)

CP-96,345

Wood smoke; Tachykinin NK₁ receptor; Tachykinin NK₂ receptor (Lin, Y.S. (394) 139)

D-CPPene (SDZ EAA 494)

Cocaine; Motor activity; Conditioning; Dizocilpine (MK-801); Memantine; ACEA-1021; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

Morphine; Antinociception; NMDA receptor antagonist; Memantine; MRZ 2/579; MRZ 2/576; ACEA-1021 (Belozertseva, I.V. (396) 77)

CP-060S

Aorta, rat; Ca²⁺ channel, L-type voltage-dependent; Ca²⁺, Cytosolic (Sato, K. (400) 225)

CREB (cAMP responsive element binding protein)

δ -Opioid receptor; DPDPE ([D-Pen^{2,5}]enkephalin), Morphine; NG108-15 neuroblastoma; Protein kinase (Bilecki, W. (390) 1)

Cremasteric arteriole

Vasopressin; Microvascular constriction; Mesenteric arteriole; OPC-21268; OPC-31260 (Ishiguro, S. (400) 121)

CRF (corticotropin-releasing factor)

Animal model; Depression; Bed nucleus of the stria terminalis (Stout, S.C. (401) 39)

Urocortin; CRF receptor; Antisense; Stress; Behaviour; (Antagonist) (Smagin, G.N. (405) 199)

Vasopressin; Autonomic nervous system; Learning; Memory (Croiset, G. (405) 225)

CRF receptor

Locus coeruleus; Noradrenaline; Cortex, prefrontal; Stress; NMDA receptor; GABA receptor; Microdialysis (Kawahara, H. (387) 279)

CRF (corticotropin-releasing factor); Urocortin; Antisense; Stress; Behaviour; (Antagonist) (Smagin, G.N. (405) 199)

CRH (corticotropin-releasing hormone)

Neuropeptide; Vasopressin; Dopamine; Homeobox gene; Transcription factors; Development (Burbach, J.P.H. (405) 55)

Corticosterone; ACTH (adrenocorticotropin); Coping; Social; Maternal behavior (Levine, S. (405) 149)

CRLR (calcitonin receptor-like receptor)

Lenticulostriate artery, human; RT-PCR; CGRP (calcitonin gene-related peptide); Adrenomedullin; RAMP (receptor activity-modifying protein) (Sams, A. (408) 183)

Cromakalim

Smooth muscle, Tracheal; K⁺ channel, ATP-sensitive; Tyrosine kinase inhibitor (Matsushita, Y. (389) 51)

Cross-tolerance

Δ^9 -Tetrahydrocannabinol; (*R*)-Methanandamide; Anandamide; SR 141716; Amphetamine; Operant behavior; Tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

***Crotalus durissus terrificus* venom**

Analgesia; Opioid receptor; Nitric oxide (NO) (Picolo, G. (391) 55)

Cryptolepine

Neocryptolepine; Plant alkaloid; Topoisomerase II; Cytotoxicity; Apoptosis (Dassonneville, L. (409) 9)

CTGF (connective tissue growth factor)

TGF- β (transforming growth factor β); Apoptosis; Caspase; Atherosclerosis (Hishikawa, K. (392) 19)

CTOP

Dorsal periaqueductal gray; μ -Opioid receptor; κ -Opioid receptor; Norbinaltorphimine; Aversion; Elevated plus-maze (Nobre, M.J. (404) 145)

CV-2619

NGF (nerve growth factor); Astrocyte; Apoptosis (Takuma, K. (406) 333)

Cyclic peptide

Inflammation; Steroid-like anti-inflammatory action; *Streptomyces* product (Kuriyama, K. (390) 223)

Wound healing accelerator; Healing-impaired, mouse; SEK-1005; TGF- β 1 (transforming growth factor- β 1) inducer (Abe, Y. (408) 213)

Cyclin

Suramin; Eriochrome Black T; Endothelial cell; Cell cycle (Langer, I. (399) 85)

Cyclooxygenase

Ibuprofen; Smooth muscle cell; Proliferation (Weber, A.-A. (389) 67)

Angiotensin AT₂ receptor; Losartan; PD 123319; Kinin; Nitric oxide (NO) synthase; Footshock (Israel, A. (394) 103)

Helicobacter pylori; NSAID; Prostaglandin; Gastric ulceration (Takahashi, S. (406) 461)

Wogonin; Flavonoid; Prostaglandin; Macrophage (Wakabayashi, I. (406) 477)

Tryptanthrin; Nitric oxide; Inducible NO synthase; Prostaglandin; Inflammation (Ishihara, T. (407) 197)

Cyclooxygenase-1

FR122047; Formalin test; Acetic acid-induced writhing (Ochi, T. (391) 49)

Rheumatoid arthritis; Synoviocyte; Cyclooxygenase-2; Meloxicam (Tsubouchi, Y. (395) 255)

Cyclooxygenase 2

Endothelin-1; Prostaglandin E₂; Lipopolysaccharide; Macrophage (Shimada, K. (388) 187)

Cyclooxygenase-2

Kainate; Excitotoxicity; Nimesulide; Oxidative stress; Hippocampus (Candelario-Jalil, E. (390) 295)

Rheumatoid arthritis; Synoviocyte; Cyclooxygenase-1; Meloxicam (Tsubouchi, Y. (395) 255)

JTE-522; Prostaglandin E₂; Thromboxane A₂; U-46619; Airway hyperresponsiveness; Ozone; (Guinea pig) (Nakano, H. (403) 267)

Cyclooxygenase inhibitor

Nimesulide; Conditioned place preference; Abuse liability (Fattore, L. (406) 75)

Cyclophilin

Cerebrocortical neuronal culture; Glutamate excitotoxicity; Mitochondrion; Permeability transition pore; Reactive oxygen species; Cyclosporin A; Calcineurin; Nitric oxide (NO) synthase; Adenine nucleotide; Poly (ADP-ribose) polymerase (Ruiz, F. (404) 29)

Cyclopiazonic acid

Ischemia-reperfusion; Oxidative stress; Free radical; Reactive oxygen species (Grover, A.K. (387) 87)

Cyclosporin A

Cerebrocortical neuronal culture; Glutamate excitotoxicity; Mitochondrion; Permeability transition pore; Reactive oxygen species; Cyclophilin; Calcineurin; Nitric oxide (NO) synthase; Adenine nucleotide; Poly (ADP-ribose) polymerase (Ruiz, F. (404) 29)

Osteopenia; Arginine; Pyridinoline; (Rat) (Fiore, C.E. (408) 323)

Cyclosporine

Tacrolimus; Glomerulo-tubular balance; Tubulo-glomerular feed-back; Tubular reabsorption; Single nephron filtration rate (Romano, G. (399) 215)

Immunosuppressant; Nitric oxide (NO); α_1 -Adrenoceptor; C6 glioma cell (Ikesue, H. (407) 221)

Cyclosporine A

Na⁺; Enalapril; Valsartan; Angiotensin II; Vascular response (Lassila, M. (398) 99)

Cyclothiazide

AMPA receptor; Purkinje cell; GYKI 53784; Aniracetam; 1-BCP; BDP-12 (Kapus, G. (397) 43)

Cynaropicrin

Anti-inflammatory effect; TNF- α (tumor necrosis factor- α); Nitric oxide (NO) release; Lymphocyte proliferation; Immunosuppressive effect (Cho, J.Y. (398) 399)

CysLT receptor

Pulmonary artery, porcine; Leukotriene; Contraction; ICI 204,219; BAY u9773 (Bäck, M. (401) 381)

Cysteinyl-leukotriene receptor

Pulmonary artery, human; Contraction; Prostacyclin; BAY u9773; MK 571 (Bäck, M. (401) 389)

Cystitis

Bradykinin B₂ receptor; Bradykinin receptor antagonist; MEN 11270; Urinary bladder, human; Urinary bladder, rat (Meini, S. (388) 177)

Cytochrome oxidase

Neurotoxicity; Amphetamine; Histochemistry; Energy metabolism (Burrrows, K.B. (398) 11)

Cytochrome P450

Deprenyl metabolism; Parkinson's disease; N-dealkylation pathway; C57BL mouse liver microsomal preparation (Valoti, M. (391) 199)

Cytochrome P450

Concanavalin A; Hepatitis (Okamoto, T. (394) 157)

Cytokine

Lipopolysaccharide; Angiotensin II type 2 receptor; Nitric oxide (NO); Cyclic GMP; Cardiac fibroblast (Tamura, M. (386) 289)

Bronchial hyperresponsiveness; Bronchial asthma; Arachidonic acid metabolite (Nakatani, Y. (392) 175)

Bradykinin B₁ receptor; Bradykinin B₂ receptor; Regulation; [³H]des-Arg¹⁰-kallidin; [³H]Bradykinin; WI-38 cell (Phagoo, S.B. (397) 237)

Stress; Glucocorticoid; Ageing; Alzheimer's disease (Angelucci, L. (405) 139)

Endothelin ET_B receptor; Interleukin-1β; Interleukin-6; Interferon-γ; TNF-α (tumour necrosis factor-α); Sarafotoxin S6c; Vasoactivity (White, L.R. (406) 117)

Endocannabinoid; Radical oxygen intermediate (Gallily, R. (406) R5)

Cytoprotection

Ba²⁺; Cell death; Cytotoxicity; Chromaffin cell; Ca²⁺ channel antagonist (Cano-Abad, M.F. (402) 19)

Cytoskeleton

Exocytosis; Insulin; Scinderin (Bruun, T.Z. (403) 221)

Cytosolic phospholipase A₂

Arachidonic acid; S-Nitroso-cysteine; cGMP; PC12 cell (Thang, S.H. (395) 183)

Cytotoxicity

Nitric oxide (NO); Nitric oxide (NO) synthases; Vanadium; Growth; Osteoblast differentiation; Bone (Cortizo, A.M. (400) 279)

Ba²⁺; Cell death; Cytoprotection; Chromaffin cell; Ca²⁺ channel antagonist (Cano-Abad, M.F. (402) 19)

Cryptolepine; Neocryptolepine; Plant alkaloid; Topoisomerase II; Apoptosis (Dassonneville, L. (409) 9)

DADLE ([D-Ala², D-Leu⁵]enkephalin)

Methamphetamine; Dopamine transporter (Tsao, L.-I. (404) 89)

DAF-2 (4,5-diaminofluorescein)

Apoptosis; NOR3; Nitric oxide (NO); Nitric oxide (NO) donor; Ascorbic acid (Yamamoto, T. (397) 25)

Daily rhythm

L-DOPA methylester; Parkinson's disease; Chronopharmacology; Radiotelemetry; Infusion constant rate (Simon, N. (401) 79)

DAMGO

Opioid receptor subtype; Xylazine; DPDPE; Tyr-W-MIF-1; U50,488; α₂ adrenoceptor (Ware, T.D. (389) 181)

Damnacanthal

Tyrosine kinase; Dermal fibroblast; Ca²⁺, intracellular (Aoki, K. (387) 119)

Daunorubicin

Multidrug resistance; P-glycoprotein; MRP₁ (multidrug resistance-associated protein); Calcein-AM; Inhibitor; PAK-104P (Marbeuf-Gueye, C. (391) 207)

DBA/2 mouse

Epilepsy; Topiramate; Carbamazepine; Phenytoin; Valproate; Felbamate; Anticonvulsant; Audiogenic seizure (De Sarro, G. (388) 163)

Nitric oxide (NO); Epilepsy; 7-Nitroindazole; Carbamazepine; Diazepam; Lamotrigine; Phenobarbital; Phenytoin; Valproate; Anticonvulsant; Audiogenic seizure (De Sarro, G. (394) 275)

Epilepsy; Riluzole; Audiogenic seizure; AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid); Glycine/NMDA receptor (De Sarro, G. (408) 25)

Death

Hippocampal neuron; Veratridine; Swelling; Na⁺ channel; Ca²⁺ channel (Okuyama, K. (398) 209)

Deca durabolin

Nandrolone decanoate; Cocaine; Radiotelemetry; Cardiac hypertrophy; ECG (electrocardiogram); Noradrenaline (Phillis, B.D. (398) 263)

Defensive freezing behavior

Fluvoxamine; Diazepam; Anxiety; Conditioned fear stress; (Mouse) (Miyamoto, J. (409) 81)

Dehydroepiandrosterone

CO-induced amnesia; Neuroactive steroid; Pregnenolone; Learning; Memory; (Mouse) (Maurice, T. (390) 145)

Delirium tremens

Alcohol withdrawal, human; Volume and fluid regulation; ANP (atrial natriuretic peptide) secretion; Withdrawal hyperexcitability, mouse; NMDA (N-methyl-D-aspartate) seizure; Glutamate (Kovács, G.L. (405) 103)

Dementia

Neuronal nicotinic receptor; Nicotinic receptor distribution; Nicotine; Nicotinic agent; Schizophrenia; Ageing; Epilepsy; Tobacco addiction (Clementi, F. (393) 3)

Dendrosome

Nicotinic receptor; Epibatidine; Somatodendritic; Substantia nigra; Ventral tegmental area (Reuben, M. (393) 39)

Dependence

THC (tetrahydrocannabinol); Withdrawal; Operant behavior; Behavioral dependence; SR141716A; (Rat) (Beardsley, P.M. (387) 47)

Addiction; Dopamine; Nicotine; Nucleus accumbens; Prefrontal cortex (Di Chiara, G. (393) 295)

Respiration; Opioid; Tolerance; (Rhesus monkey) (Kishioka, S. (398) 121)

$\Delta 9$ -Tetrahydrocannabinol; (*R*)-Methanandamide; Anandamide; SR 141716; Amphetamine; Operant behavior; Tolerance; Cross-tolerance; (Rat) (Lamb, R.J. (398) 251)

Morphine; Zn^{2+} ; Intrathecal; Antinociception; Tolerance (Larson, A.A. (407) 267)

Dependence, acute

Opiate; Gender difference; Cardiovascular system; Blood pressure; Heart rate; Rat, spinal (Cruz, S.L. (397) 121)

Depolarization

Nitric oxide (NO); Mesenteric bed; *N*^ω-nitro-L-arginine methyl ester; KCl; Nitric oxide (NO) synthase (Mendizabal, V.E. (409) 85)

Deprenyl metabolism

Cytochrome P450; Parkinson's disease; N-dealkylation pathway; C57BL mouse liver microsomal preparation (Valoti, M. (391) 199)

Depression

Anxiety; 5-HT_{2C} receptor; (Rat) (Kennett, G. (387) 197)

Neuropeptide-Y; Stress (Stogner, K.A. (387) R9)

Animal model; CRF (corticotropin-releasing factor); Bed nucleus of the stria terminalis (Stout, S.C. (401) 39)

Melatonin; Forced-swim test; Antidepressant; Sex difference (Brotto, L.A. (402) 87)

5-HT_{1B/D} receptor; Psychiatric disorder; 5-HT (5-hydroxytryptamine, serotonin) release; 5-HT (5-hydroxytryptamine, serotonin) synthesis; Anxiety; Obsessive compulsive disorder; Desensitisation; Supersensitive; Target (Moret, C. (404) 1)

Antidepressant drug; Dopamine; Mania; Mesolimbic dopamine system (D'Aquila, P.S. (405) 365)

Schizophrenia; Bipolar disorder; Memory; Synaptic plasticity; Ventricle enlargement; Neurocognitive impairment (Vawter, M.P. (405) 385)

Depression, major

β_2 -Adrenoceptor; G_s protein, coupling; Neutrophil; Anxiety; Antidepressant, tricyclic (Gurguis, G.N.M. (386) 135)

Dequalinium

K⁺ channel; Calcium; Calmodulin; Patch clamp; Antipsychotic (Dreixler, J.C. (401) 1)

Dermal fibroblast

Tyrosine kinase; Damnacanthal; Ca²⁺, intracellular (Aoki, K. (387) 119)

Dermatan

Chondroitin sulfate; Fibroblast; Proliferation; Chondroitinase (Denholm, E.M. (400) 145)

Dermorphin N-terminal tetrapeptide

Tail-flick test; Naloxonazine; β -Funtaltrexamine; μ_1 -Opioid receptor (Sakurada, S. (395) 107)

[³H]Des-Arg¹⁰-kallidin

Bradykinin B₁ receptor; Bradykinin B₂ receptor; Regulation; [³H]Bradykinin; WI-38 cell; Cytokine (Phagoo, S.B. (397) 237)

Des-Arg¹⁰-kallidin

FLIPR (fluorometric imaging plate reader); Bradykinin; Ca²⁺; Non-competitive antagonism; CHO cells (Simpson, P.B. (392) 1)

Desensitisation

5-HT_{1B/D} receptor; Psychiatric disorder; 5-HT (5-hydroxytryptamine, serotonin) release; 5-HT (5-hydroxytryptamine, serotonin) synthesis; Depression; Anxiety; Obsessive compulsive disorder; Supersensitive; Target (Moret, C. (404) 1)

Desensitization

G protein-coupled receptor; Dopamine; Palmitoylation; Phosphorylation; Adenylyl cyclase (Jin, H. (386) 305)

α_1 -Adrenoceptor; Receptor phosphorylation; Protein kinase C; Phosphatidylinositol 3-kinase; G protein receptor kinases (García-Sáinz, J.A. (389) 1)

μ -Opioid receptor; Tolerance; cAMP-dependent protein kinase; Morphine; *N*-(2-aminoethyl)-5-isoquinolinesulfonamide (H8) (Wang, Z. (389) 165)

5-Hydroxytryptamine (5-HT, serotonin); Serum; T₈₄ cell (Burleigh, D. (390) 103)

Glibenclamide; Tolbutamide; Clonal pancreatic β -cell; Insulin release; K_{ATP} channel (Ball, A.J. (408) 327)

Desipramine

Antidepressant; NMDA receptor; Glycine; DSP-4; Norepinephrine (Harkin, A. (389) 187)

Antidepressant drug; Grooming; Locomotor activity; Mesolimbic dopamine system; Open field; Restraint stress; Chronic mild stress (D'Aquila, P.S. (399) 43)

Paroxetine; Microdialysis; 5-HT; Noradrenaline (Hajós-Korcsok, É. (407) 101)

Gingivitis; Microbiota; Salivary protein; Salivary flow rate; Tricyclic antidepressant (Koller, M.M. (408) 91)

Desmethylsibutramine

Sibutramine; Didemethylsibutramine; Food intake; Obesity; Locomotor activity; Antidepressant (Glick, S.D. (397) 93)

Detrusor

β -Adrenoceptor, subtype; Cardiovascular system; (Ferret) (Takeda, H. (403) 147)

Detrusor muscle

Urinary incontinence; β_2 -Adrenoceptor; ATP-sensitive K⁺ channel; Clenbuterol (Hudman, D. (397) 169)

K⁺ channel, Ca²⁺-activated; Large conductance; β -Adrenoceptor; Protein kinase A (Kobayashi, H. (404) 231)

Detrusor smooth muscle

K⁺ channel opener; Smooth muscle relaxation; K⁺ channels, ATP-sensitive; Sulfonylurea receptor (Buckner, S.A. (400) 287)

Development

Regeneration; Melanocortin (Strand, F.L. (405) 3)

Neuropeptide; Vasopressin; Corticotropin-releasing hormone; Dopamine; Homeobox gene; Transcription factors (Burbach, J.P.H. (405) 55)

Neurosteroid; P19 cell (Grobin, A.C. (409) R1)

Dexamethasone

FSH (follicle-stimulating hormone); Inhibin; Ovarian function; (Rat, female, immature) (Tohei, A. (386) 69)

Lipopolysaccharide; Melatonin; Naltrexone; TNF- α (tumor necrosis factor- α); Nitric oxide (NO); Hyperalgesia, central/peripheral (Raghavendra, V. (395) 15)

Substance P; TNF- α (tumor necrosis factor- α); Histamine; MAP (mitogen-activated protein) kinase; Skin (Okabe, T. (398) 309)

Carrageenin-induced pleurisy, rat; Anti-inflammatory steroid; Prostaglandin H synthase-2 (cyclooxygenase-2); Phospholipase A₂ (Kawamura, M. (400) 127)

Dexfenfluramine

Pulmonary arteries; Phentolamine; Prazosin; Ketanserin; Indomethacin (Patnaude, L.A. (401) 229)

DHPG ((RS)-3,5-dihydroxyphenylglycine)

Antidepressant; Glutamate receptor, metabotropic, group I; Hippocampus; Imipramine (Zahorodna, A. (386) 173)

Diabetes

Smooth muscle, vascular; Hypertrophy, cell; Oxyhaemoglobin, glycosylated; Oxidative stress (Peiró, C. (386) 317)

Endothelin receptor; Urinary bladder (Saito, M. (387) 253)

Urinary bladder; Epithelium; Prostaglandin (Pinna, C. (388) 267)

Bradykinin; Thermal hyperalgesia; Protein kinase C; Phorbol-12, 13-dibutyrate; Calphostin C; (Mouse) (Kamei, J. (390) 113)

Cardiac hypertrophy; Hyperglycaemia; Peroxisome proliferator-activated receptor γ (Bell, D. (390) 237)

Endomorphin-1; Endomorphin-2; Antinociception; δ -Opioid receptor; μ -Opioid receptor (Kamei, J. (391) 91)

Angiotensin-converting enzyme inhibitor; Nephropathy; Urinary albumin excretion; Immunohistochemistry (Katoh, M. (398) 381)

Nitric oxide (NO); Aminoguanidine; Morphine; Antinociception (Grover, V.S. (399) 161)

μ -Opioid receptor; G-protein; Antinociception; Pons/medulla (Ohsawa, M. (401) 55)

Aldose reductase; Autonomic neuropathy; Non-adrenergic non-cholinergic; Gastric fundus, rat; Streptozotocin (Jenkinson, K.M. (401) 251)

Endothelium; Nitric oxide (NO); 5-HT (5-Hydroxytryptamine, serotonin); Carotid artery (Miranda, F.J. (401) 397)

Ouabain; Na⁺, K⁺-ATPase; Phenylephrine; Vascular reactivity; Streptozotocin; Nitric oxide; (Rat) (Davel, A.P.C. (406) 419)

Diabetes mellitus

Opioid; Antinociception; G-protein; μ -Opioid receptor; δ -Opioid receptor (Pieper, G.M. (401) 375)

Endothelium; Nitric oxide (NO); Angiotensin (Pieper, G.M. (403) 129)

Diabetes, type 2

Dipeptidyl peptidase IV; Glucagon-like peptide-1 (GLP-1); Insulin secretion; Glucose tolerance; Glucose tolerance, impaired (Ahrén, B. (404) 239)

Diabetic neuropathy

Allodynia; Endothelin; Streptozotocin (Jarvis, M.F. (388) 29)

Diabetic rat

Somatostatin; Neurogenic inflammation; Inflammatory preconditioning (Németh, J. (386) 83)

Nerve conduction; Blood flow; K⁺ channel opener; Na⁺, K⁺ ATPase; Oxidative stress; Glutathione; Neuropathy (Hohman, T.C. (397) 335)

Diabetic, rat

Allodynia, tactile; Allodynia, thermal; Tachykinin receptor antagonist (Coudoré-Civiale, M.-A. (401) 47)

Diabetic retinopathy

Antioxidant; Glutathione; Lipid peroxidation; Superoxide dismutase (Obrosova, I.G. (398) 139)

Diagnosis

Alzheimer disease; Amyloid precursor protein (APP); Platelet (Di Luca, M. (405) 277)

3,4-Diaminopyridine

4-Aminopyridine; Apamin; Passive avoidance; (Mouse) (Inan, S.Y. (407) 159)

Diarylheptanoid

Leukocyte adhesion molecule; Vascular endothelial cell; Anti-inflammation; 5-Lipoxygenase (Yamazaki, R. (404) 375)

Diastolic dysfunction

Ca²⁺-sensitizer; Inotropic agent; Hemodynamics; Heart failure; Excitation-contraction coupling (Janssen, P.M.L. (404) 191)

Diastolic function, regional

Ca²⁺ sensitizer; Myocardial oxygen consumption; Systolic shortening, regional; Systemic haemodynamics (Soei, L.K. (386) 55)

Diazepam

Nitric oxide (NO); Epilepsy; 7-Nitroindazole; Carbamazepine; Lamotrigine; Phenobarbital; Phenytoin; Valproate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (394) 275)

Progesterone; γ -Aminobutyric acid (GABA); K⁺ channel; Coronary (Jacob, M.K. (403) 209)

Glutamate; Flumazenil; (Rat) (Khan, G.M. (407) 139)

Fluvoxamine; Anxiety; Conditioned fear stress; Defensive freezing behavior; (Mouse) (Miyamoto, J. (409) 81)

Dichlorobenzamil

Ryanodine receptor; Skinned fiber; Phenamil; Caffeine (Ponte, C.G. (391) 11)

Didemethylsibutramine

Sibutramine; Desmethyilsibutramine; Food intake; Obesity; Locomotor activity; Antidepressant (Glick, S.D. (397) 93)

2,4-Dideoxyadenosine

TGF- α (transforming growth factor- α); TGF- β 1 (transforming growth factor- β 1); Somatostatin; H-89; Hepatocyte proliferation (Kimura, M. (386) 271)

Dienogest

Steroid, synthetic; Angiogenesis inhibition; Angiostatic therapy; Angiogenic disease (Nakamura, M. (386) 33)

Diet restriction

Anandamide; Food intake; Cognitive function; Hippocampus; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

Differentiation

Nitric oxide (NO); Stromal cell; Osteoblast-like cell; Mineralization (Koyama, A. (391) 225)

Stem cell; Hematopoietic; Central nervous system (Mezey, É. (405) 297)

Protein kinase C; Atherosclerosis; Gene expression; α -tropomyosin; (Rat) (Hirano, K. (406) 209)

Dihydroergotamine

Affinity; Intrinsic activity; Efficacy; Gpp(NH)p shift; 5-HT_{1A} receptor ligand; S-14506 (Assié, M.-B. (386) 97)

Dihydroetorphine

Morphine; Physical dependence; Stereotypy; Continuous infusion; (Rat) (Aceto, M.D. (387) 31)

Diisopropyl-fluorophosphate

Organophosphate; Aorta; Phentolamine; Norepinephrine; (Rat) (Lim, S.L. (404) 353)

Diltiazem

Coronary flow; Heart, isolated, rat; Ischemia; Microsphere; Reperfusion (Katsumata, N. (398) 83)

***d-cis*-Diltiazem**

l-cis-Diltiazem; Patch-clamp; Whole-cell; Ca²⁺ overload; Na⁺ current; Lysophosphatidylcholine (Hashimoto, Y. (391) 217)

Dimethylsphingosine

Muscarinic receptor; Sphingosine 1-phosphate; Ins(1,4,5)P₃; Ca²⁺ mobilisation; SH-SY5Y neuroblastoma cell (Young, K.W. (402) 55)

Dinitrobenzene sulfonic acid

Inflammation; Nitric oxide (NO); Peroxynitrite; Poly (ADP-ribose) synthetase; Colon damage; Free radical (Cuzzocrea, S. (406) 127)

Dioclein

Flavonoid; Endothelium; Vasorelaxation; Nitric oxide (NO); Aorta (Lemos, V.S. (386) 41)

Dipeptidyl peptidase IV

Glucagon-like peptide-1 (GLP-1); Insulin secretion; Glucose tolerance; Diabetes, type 2; Glucose tolerance, impaired (Ahrén, B. (404) 239)

Dipyridamole

Aspirin; Nitric oxide (NO); Platelet; Polymorphonuclear leukocyte (De La Cruz, J.P. (397) 35)

ATP; Ecto-nucleotidase; Ecto-ATPase; Superior cervical ganglion, rat; UTP (Connolly, G.P. (397) 271)

Disinhibition

Nicotinic acetylcholine receptor; Sensitization; Locomotor activity; Plus-maze; (Rat) (Ericson, M. (397) 103)

Disopyramide

Cibenzoline; Pilsicainide; QTc; Adrenaline; (Dog) (Miyamoto, S. (400) 263)

Cibenzoline; Ionic current; *I*_{Kr}; *I*_{Ks}; Rat sino-atrial nodal cell (Satoh, H. (407) 123)

Dispersion

*I*_{K,ATP}; Glibenclamide; HMR1883; Sulfonylurea; Cardiac ischemia; Arrhythmia; Sulfonylurea (Dhein, S. (398) 273)

Dissociated neuron and tandospirone

Basolateral amygdala; Synaptic γ -aminobutyric acid (GABA) transmission; 5-HT_{1A} receptors; Presynaptic modulation (Kishimoto, K. (407) 257)

Dithiocarbamate

Cerebral endothelial cell; NF- κ B (nuclear factor- κ B); Zn²⁺; (Bovine) (Kim, C.H. (392) 133)

Ditriazines

Nitric oxide (NO); Eicosanoid; Macrophage; Neutrophil; Air pouch, mouse; Carrageenan paw oedema (Rioja, I. (397) 207)

Diuresis

Kallikrein secretion; K⁺; Natriuresis; Bradykinin B₂ receptor antagonist; FR173657 (Suzuki, T. (399) 223)

Allodynia; Antinociception; Dynorphin; κ -Opioid receptors; Sedation (Ko, M.C.H. (402) 69)

Dizocilpine

Aminoglycoside; Ototoxicity; NMDA receptor (Harvey, S.C. (387) 1)

NMDA receptors; Glutamate; Nucleus accumbens; Tail-flick (Millan, M.J. (388) 37)

Hyperalgesia; Ventral posterolateral nucleus; Excitatory amino acid; Morphine; Riluzole (Abarca, C. (403) 67)

Dizocilpine (MK-801)

Cocaine; Motor activity; Conditioning; D-CPPene (SDZ EAA 494); Mementine; ACEA-1021; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

Antinociception; Opioid; NMDA receptor; Metabotropic glutamate receptor; (S)-4CPG ((S)-4-carboxyphenylglycine) (Suzuki, T. (396) 23)

Dizocilpine ((+)-MK-801)

NMDA receptor antagonist; Neurotoxicity; Retrosplenial cortex; Clozapine; Olanzapine; Immediate early gene (Fujimura, M. (398) 1)

Dizocilpine (MK801)

Levodopa; 6-Hydroxydopamine; Microdialysis (Jonkers, N. (407) 281)

Dmt-Tic

Inverse agonism; Antagonism (Labarre, M. (406) R1)

DNA microarray

Schizophrenia; Pharmacogenetics; Single nucleotide polymorphism; Pharmacogenomics; Genome-wide scanning (Kawanishi, Y. (410) 227)

DNA sequence variants

Pharmacogenetic; Pharmacogenomic; Molecular epidemiology; Genotype; Phenotype; Population genetic; Patient-pair studies (Nebert, D.W. (410) 107)

DNA synthesis

Proliferation; Prostaglandin; Primary culture; Hepatocyte; (Adult rat) (Kimura, M. (404) 259)

DNQX

Domoic acid; MK-801; Dopamine; Microdialysis; Striatum, rat (Quintela, B.A. (401) 173)

DOCA-salt hypertensive rat

MAP (mitogen-activated protein) kinase; Angiotensin; Endothelin; Aorta; Spontaneously hypertensive rat (SHR) (Kubo, T. (400) 231)

DOI

Clozapine; Fos-protein; Tolerance; 8-OH-DPAT (Sebens, J.B. (408) 11)

Domoic acid

DNQX; MK-801; Dopamine; Microdialysis; Striatum, rat (Quintela, B.A. (401) 173)

Donepezil hydrochloride

E2020; Tacrine; Cholinesterase inhibitor; Brain; Peripheral tissue; (Rat, young); (Rat, Aged) (Kosasa, T. (386) 7)

Donepezil hydrochloride (E2020)

Tacrine; Physostigmine; ENA-713; TAK-147; NIK-247; Cholinesterase inhibitor; Cholinesterase (Kosasa, T. (389) 173)

L-Dopa

Dopamine; Acetylcholine; GABA (γ -aminobutyric acid); Substantia nigra; Striatum; Antimuscarinic drug (Izurieta-Sánchez, P. (399) 151)

L-3,4-dihydroxyphenylalanine (L-DOPA)

c-fos; *zif268*; 6-Hydroxydopamine; *N*-methyl-D-aspartate (NMDA); Striatum (Adams, A.C. (404) 303)

DOPAC (3,4-dihydroxyphenylacetic acid)

Dopamine; Tyrosine hydroxylase; Sulfonyleurea; Glipizide; HVA (homovalinic acid) (Lamensdorf, I. (388) 147)

Ensaculin; Dopamine; Glutamate; Microdialysis; Rat (Teismann, P. (398) 247)

L-Dopa-induced dyskinesia

Dopamine D₄ receptor; JL-18; Parkinson's disease; MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine) (Tahar, A.H. (399) 183)

L-DOPA (L-3,4-dihydroxyphenylalanine)

Naltrexone; Ethanol; 5-HTP (5-hydroxy-L-tryptophan); Firing rate (Inoue, H. (406) 375)

L-DOPA methylester

Parkinson's disease; Daily rhythm; Chronopharmacology; Radiotelemetry; Infusion constant rate (Simon, N. (401) 79)

Dopamine

Methamphetamine; 3-Nitropropionic acid; Neurotoxicity; 5-HT, 5-Hydroxytryptamine; Aromatic L-amino acid decarboxylase; Motor behaviour (Eradiri, O.L. (386) 217)

G protein-coupled receptor; Palmitoylation; Phosphorylation; Desensitization; Adenylyl cyclase (Jin, H. (386) 305)

Apomorphine; *N*-propyl analog; Microdialysis; Bioavailability; Striatum (Rodenhuis, N. (387) 39)

Stress; Nicotine; Striatum; Hippocampus; (Rat) (Pawlak, R. (387) 171)

Dopamine D₂ receptor, extrastriatal; [¹²³I]Epidepride; SPECT (Single photon emission computed tomography); α -Methyl-*para*-tyrosine; Schizophrenia; Binding, in vivo (Fujita, M. (387) 179)

SR 27897B; L-365,260; Cholecystokinin; CCK_A receptor; CCK_B receptor (Tieppo, C.A. (387) 189)

Electrophysiology; Morphine (Melis, M. (387) R1)

Noradrenaline; Hypothalamus–pituitary–adrenocortical axis; Tolerance; Morphine; Paraventricular nucleus (Fuentes, G. (388) 49)

Dopamine D₁ receptor agonist; Drug discrimination; SKF-82958; SCH-39166; Cocaine; (Rat) (Haile, C.N. (388) 125)

Tyrosine hydroxylase; Sulfonyleurea; Glipizide; DOPAC (3,4-dihydroxyphenylacetic acid); HVA (homovalinic acid) (Lamensdorf, I. (388) 147)

Substance P; Neurotensin; Ibogaine; Cocaine; Methamphetamine; Drug abuse (Alburges, M.E. (390) 119)

Dopamine D₃ receptor; (+)-PD128,907; Motor activity; Postnatal development (Heijtz, R.D. (392) 35)

Addiction; Dependence; Nicotine; Nucleus accumbens; Prefrontal cortex (Di Chiara, G. (393) 295)

Somatostatin; Subiculum; Somatostatin sst2 receptor; Microdialysis (Mitchell, S.N. (395) 43)

γ -Aminobutyric acid (GABA); Microdialysis; Cocaine; γ -Vinyl GABA (vigabatrin); γ -Aminobutyric acid (GABA) reuptake inhibitor (Gerasimov, M.R. (395) 129)

5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole-3-acetic acid); 5-Hydroxytryptophol; Noradrenaline; Ataxia, cerebellar (Reader, T.A. (398) 41)

Ensaculin; DOPAC (3,4-dihydroxyphenylacetic acid); Glutamate; Microdialysis; Rat (Teismann, P. (398) 247)

Ibogaine; Cocaine; Sensitization; Stereotypy; Drug addiction (Szumlinski, K.K. (398) 259)

Acetylcholine; GABA (γ -aminobutyric acid); Substantia nigra; Striatum; Antimuscarinic drug; L-Dopa (Izurieta-Sánchez, P. (399) 151)

Domoic acid; DNQX; MK-801; Microdialysis; Striatum, rat (Quintela, B.A. (401) 173)

Neuropeptide; Vasopressin; Corticotropin-releasing hormone; Homeobox gene; Transcription factors; Development (Burbach, J.P.H. (405) 55)

Microdialysis, In vivo; Prefrontal cortex; Shuttle-box; Working memory; (Gerbil) (Stark, H. (405) 263)

Antidepressant drug; Depression; Mania; Mesolimbic dopamine system (D'Aquila, P.S. (405) 365)

D₃ receptor; BP 897; Microphysiology; Radioligand binding (Wood, M.D. (407) 47)

Subiculum; Nucleus accumbens; Fimbria-fornix; Microdialysis; (Rat) (Mitchell, S.N. (407) 131)

Nicotine; Ethanol; Microdialysis; Nucleus accumbens; Selected line (Kianmaa, K. (407) 293)

cAMP-dependent protein kinase; Adrenoceptor; Loop of Henle; (Mouse) (Higuchi, E. (408) 107)

Benzodiazepine; Licking behaviour; Bout structure; Palatability (Higgs, S. (409) 73)

CART (cocaine- and amphetamine-regulated transcript); TRH (thyrotropin releasing hormone); Norepinephrine; Synaptosome; Hypothalamus (Brunetti, L. (409) 103)

Amino acid; Guanidinoethyl sulfonate; Microdialysis; (Rat) (Olive, M.F. (409) 291)

5-HT_{2A} receptor; Transmission disequilibrium; Association; Genome screening; Estrogen β receptor; Leptin (Hinney, A. (410) 147)

Dopamine receptor

Scopolamine; Muscarinic acetylcholine receptor; Prepulse inhibition; Startle; Apomorphine; Phencyclidine; Glutamate receptor; (Rat) (Jones, C.K. (391) 105)

[³H]Lysergic acid diethylamide (LSD); Mushroom body; (Locust); (Insect) (Degen, J. (396) 59)

Receptor fragment; COS-7 cell; Adenylate cyclase (Scarselli, M. (397) 291)

Nerve growth factor (NGF); Acetylcholine; Cognition; Extrapyramidal symptom (Ozaki, T. (402) 39)

Adenosine receptor; Locomotion; Caffeine; In situ hybridization; Autoradiography (Halldner, L. (406) 345)

Pharmacogenetics; Polymorphism; Mutation; Antipsychotic; Schizophrenia (Wong, A.H.C. (410) 183)

Dopamine D₁ receptor

Restraint stress; Adaptation; D-Amphetamine; Conditioned place preference; Dopamine D₂ receptor; Opioid system; Sensitization (Capriles, N. (386) 127)

6-Hydroxydopamine; Turning behavior; Behavioral tolerance (Casas, M. (396) 93)

Dopamine D₃ receptor; Knockout mice; Locomotor activity; Exploratory behaviour; Elevated plus maze; Rotarod; Spatial learning (Karasinska, J.M. (399) 171)

Dopaminergic agent; Carrageenan; Dopamine D₂ receptor; Anti-hyperalgesia; Hypoalgesia (Gao, X. (406) 53)

Dopamine D₂ receptor

Restraint stress; Adaptation; D-Amphetamine; Conditioned place preference; Dopamine D₁ receptor; Opioid system; Sensitization (Capriles, N. (386) 127)

Ribozyme; Stereotypy (Salmi, P. (388) R1)

Catalepsy; Dopamine D₃ receptor; Haloperidol; Knock-out mice; SCH 23390 (Boulay, D. (391) 63)

Partial agonist; Dopamine synthesis; Locomotor activity; (Rat) (Ahlenius, S. (394) 247)

Dopaminergic agent; Carrageenan; Dopamine D₁ receptor; Anti-hyperalgesia; Hypoalgesia (Gao, X. (406) 53)

Dopamine D₂-like receptor

[³⁵S]GTP γ S binding, agonist-stimulated; Quinpirole; Monoamine oxidase inhibitor; Striatum; (Rat) (Gilliland, S.L. (392) 125)

Neuroleptic; Antipsychotic; Catalepsy; Extrapyramidal side-effect; 5-HT (5-hydroxytryptamine, Serotonin) depletion; 5-HT_{1A} receptor; *p*-Chlorophenylalanine; Nemonapride; Raclopride; WAY 100635 (Prinssen, E.P.M. (395) 143)

Dopamine D₃ receptor

Catalepsy; Dopamine D₂ receptor; Haloperidol; Knock-out mice; SCH 23390 (Boulay, D. (391) 63)

Dopamine; (+)-PD128,907; Motor activity; Postnatal development (Heijtz, R.D. (392) 35)

Limbic system (Cussac, D. (394) 47)

Dopamine D₁ receptor; Knockout mice; Locomotor activity; Exploratory behaviour; Elevated plus maze; Rotarod; Spatial learning (Karasinska, J.M. (399) 171)

Dopamine D₄ receptor

L-Dopa-induced dyskinesia; JL-18; Parkinson's disease; MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine) (Tahar, A.H. (399) 183)

G protein-coupled receptor; Structure; Pharmacology; Signaling; Physiology; Genetics (Oak, J.N. (405) 303)

Dopamine D₁ receptor agonist

Dopamine; Drug discrimination; SKF-82958; SCH-39166; Cocaine; (Rat) (Haile, C.N. (388) 125)

Dopamine D₂ receptor agonist

Steroid; Protein phosphatase; Dopamine D₂ receptor antagonist; Uptake (Thompson, T.L. (401) 357)

Dopamine D₂ receptor antagonist

Steroid; Protein phosphatase; Dopamine D₂ receptor agonist; Uptake (Thompson, T.L. (401) 357)

Dopamine D₂ receptor, extrastriatal

Dopamine; [¹²³I]Epidepride; SPECT (Single photon emission computed tomography); α -Methyl-*para*-tyrosine; Schizophrenia; Binding, in vivo (Fujita, M. (387) 179)

Dopamine D₂ receptor, spinal

Quinpirole; Blood pressure; Spinal cord transection; Intrathecal domperidone; Conscious, rat (Lahlou, S. (408) 51)

Dopamine receptor agonist

(-)-OSU6162; 6-Hydroxydopamine; Parkinson's disease; Dyskinesia (Ekesbo, A. (389) 193)

Microdialysis; Bioavailability; Striatum; Bioisosteric replacement; Thiophene analog (Rodenhuis, N. (394) 255)

Dopamine release

Protein kinase C; Amphetamine; Phorbol ester; Cocaine; Transport, reverse (Cowell, R.M. (389) 59)

RPR 118723; Glycine antagonist; Glutamate; *N*-methyl-D-aspartate (NMDA) receptor–channel complex; TCP binding (Boireau, A. (401) 131)

Ethanol; Stress of social defeat; Voltammetry in vivo; Nucleus accumbens; (Mouse) (Yavich, L. (401) 365)

Dopaminergic agent

Carrageenan; Dopamine D₁ receptor; Dopamine D₂ receptor; Anti-hyperalgesia; Hypoalgesia (Gao, X. (406) 53)

Dopaminergic neuron

σ Receptor; Organotypic slice culture; Mesencephalon; *N*-methyl-D-aspartate (NMDA) (Shimazu, S. (388) 139)

Dopamine synthesis

Dopamine D₂ receptor; Partial agonist; Locomotor activity; (Rat) (Ahlenius, S. (394) 247)

Dopamine transporter

DADLE ([D-Ala², D-Leu⁵]enkephalin); Methamphetamine (Tsao, L.-I. (404) 89)

Cocaine; Cocaine analog; Phosphorylation; Chimera; Site-directed mutagenesis (Chen, N. (405) 329)

Dopamine transporter

Psychostimulant; Amphetamine (Fleckenstein, A.E. (406) 1)

Dopamine uptake

Glutamate; Parkinson's disease; NMDA receptor (Page, G. (403) 75)

Dorsal horn

Cocaine; Amphetamine; Hyperalgesia (Ohsawa, M. (399) 165)

Dorsal periaqueductal gray

μ -Opioid receptor; κ -Opioid receptor; CTOP; Nor-binaltorphimine; Aversion; Elevated plus-maze (Nobre, M.J. (404) 145)

Dorsal raphe nucleus

5-HT_{1A} receptor agonist; Flesinoxan; Glucocorticoid receptor; Mineralocorticoid receptor; Hippocampus (Sibug, R.M. (404) 111)

Venlafaxine; WAY 100635; 5-HT(5-hydroxytryptamine, serotonin); 5-HT_{1A} autoreceptor; 5-HT syndrome; (Cat) (Bjorvatn, B. (404) 121)

Dorsal root ganglia

Neuropathy; Colorectal cancer; Hippocampal neuron; Sural nerve (Adelsberger, H. (406) 25)

Dorsal root ganglion

Amitriptyline; Antidepressant; Tetrodotoxin-sensitive; Tetrodotoxin-resistant; Na⁺ channel (Song, J.-H. (401) 297)

Neurotensin; SR 48692; Neurotensin receptor; Cl[−] current (Kawarada, S. (404) 69)

Down-regulation

δ -Opioid receptor; Carboxyl terminal tail (Okura, T. (387) R11)

DPDPE

Opioid receptor subtype; Xylazine; DAMGO; Tyr-W-MIF-1; U50,488; α_2 adrenoceptor (Ware, T.D. (389) 181)

DPDPE (c[D-Pen²,D-Pen⁵]enkephalin)

G protein γ_2 subunit; Antinociception (Hosohata, K. (392) R9)

DPDPE ([D-Pen^{2,5}]enkephalin), Morphine

CREB (cAMP responsive element binding protein); δ -Opioid receptor; NG108-15 neuroblastoma; Protein kinase (Bilecki, W. (390) 1)

3D pharmacophore

GABA_A/benzodiazepine receptor; Sedation (Harris, D.L. (401) 271)

DPPE (*N,N*-diethyl-2-[4-(phenylmethyl)phenoxy]ethanamine)

Blood–brain barrier; Brain edema; Cerebral ischemia–reperfusion; Histamine; Intracellular histamine binding site (Deli, M.A. (387) 63)

D2 receptor

UV light; Planaria (Raffa, R.B. (406) R11)

D3 receptor

Dopamine; BP 897; Microphysiometry; Radioligand binding (Wood, M.D. (407) 47)

Droxifen

Luteal cell; Apoptosis; *c-myc*; *bax*; *bcl-2*; mRNA (Leng, Y. (409) 123)

Drug abuse

Substance P; Neurotensin; Dopamine; Ibogaine; Cocaine; Methamphetamine (Alburges, M.E. (390) 119)

Drug addiction

Ibogaine; Cocaine; Sensitization; Dopamine; Stereotypy (Szumlinski, K.K. (398) 259)

Drug discrimination

Dopamine; Dopamine D₁ receptor agonist; SKF-82958; SCH-39166; Cocaine; (Rat) (Haile, C.N. (388) 125)

Glutamate receptor, Metabotropic; Schizophrenia (Schreiber, R. (388) R3)

Enkephalin catabolism, mixed inhibitors; Enkephalin, endogenous; Morphine; CI 988; CCK₁ receptor antagonist; RB 120 (Hutcheson, D.M. (401) 197)

Zolpidem; Benzodiazepine (Rowlett, J.K. (406) R9)

Drug-discrimination

Baclofen; Cocaine; Methamphetamine; (Rat) (Munzar, P. (408) 169)

Drug disposition

P-Glycoprotein; Placenta; BeWo cells; Blood–placental barrier (Ushigome, F. (408) 1)

Drug interaction

Hypoglycemic agent; Nateglinide; Noncompetitive inhibition; Peptide transporter (Terada, T. (392) 11)

Topiramate; Antiepileptic drug; Electroshock, maximal; Seizure (Świąder, M. (399) 35)

Drug-naïve

Muscarinic receptor agonist; Cocaine; Self-administration; (Mouse) (Rasmussen, T. (402) 241)

Drug of abuse

Glutamate receptor, metabotropic; Excitatory amino acid; Caudoputamen; Nucleus accumbens; Basal ganglia (Mao, L. (404) 289)

DSP-4

Antidepressant; NMDA receptor; Glycine; Norepinephrine; Desipramine (Harkin, A. (389) 187)

 Δ^9 Tetrahydrocannabinol

Knockout mouse; Cannabinoid receptor; Macrophage (Buckley, N.E. (396) 141)

 Δ^9 -Tetrahydrocannabinol

(*R*)-Methanandamide; Anandamide; SR 141716; Amphetamine; Operant behavior; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

[³H]DTG ([³H]1,3-di (2-tolyl) guanidine)

σ Receptor; Haloperidol; σ_1 Receptor mRNA; [³H](+)-Pentazocine; Species difference (Inoue, A. (401) 307)

Dual coronary perfusion method

Coronary bed; Perfusion cannula (Coetzee, W.A. (402) 263)

Duodenum, guinea pig

β -Adrenoceptor, atypical; β_3 -Adrenoceptor; Carteolol; Partial agonist; Bupranolol (Horinouchi, T. (403) 133)

DuP 532

Angiotensin; Nonpeptide angiotensin receptor agonist; PD123,319; (Feline) (De Witt, B.J. (404) 213)

Dynorphin

Conopeptide; Conantokin G; Neurotensin; Methamphetamine; NMDA receptor (Bush, L. (387) 55)

Allodynia; Antinociception; Diuresis; κ -Opioid receptors; Sedation (Ko, M.C.H. (402) 69)

Dyskinesia

(–)-OSU6162; 6-Hydroxydopamine; Parkinson's disease; Dopamine receptor agonist (Ekesbo, A. (389) 193)

Dysmotility

Ischemia–reperfusion; Colon; Adenosine A₁ receptor antagonist; RT-PCR (reverse transcription-polymerase chain reaction); (Rat) (Kadowaki, M. (409) 319)

Dystonia

Movement disorder; Paroxysmal choreoathetosis; Barbiturate; GABA (γ -aminobutyric acid) (Richter, A. (397) 343)

σ Receptor; Neuroleptic; Haloperidol; Extrapyramidal (Matsumoto, R.R. (401) 155)

Adenosine receptor agonist; Basal ganglia disorder; Movement disorders (Richter, A. (404) 299)

E2020

Donepezil hydrochloride; Tacrine; Cholinesterase inhibitor; Brain; Peripheral tissue; (Rat, young); (Rat, Aged) (Kosasa, T. (386) 7)

E3040

Urate uptake; Brush border membrane vesicle; (Rat) (Yamada, H. (406) 45)

EAAT

(*RS*)-2-Amino-3-(3-hydroxy-1,2,5-thiadiazol-4-yl)propionic acid; TDPA; EAAT2 inhibitor, selective (Bräuner-Osborne, H. (406) 41)

EAAT2 inhibitor, selective

EAAT; (*RS*)-2-Amino-3-(3-hydroxy-1,2,5-thiadiazol-4-yl)propionic acid; TDPA (Bräuner-Osborne, H. (406) 41)

Ear swelling test, mouse

Phosphodiesterase 4 inhibitor; RPR 73401; Allergic dermatitis; Interleukin-4 (Ehinger, A.M. (392) 93)

ECG (electrocardiogram)

Nandrolone decanoate; Deca durabolin; Cocaine; Radiotelemetry; Cardiac hypertrophy; Noradrenaline (Phillis, B.D. (398) 263)

ECL cell

α -Fluoromethylhistidine; Gastrin; Histamine; Histidine decarboxylase; Microdialysis in vivo; Secretory vesicle; Stomach (Norlén, P. (400) 1)

Ecstasy

MDMA (($\pm$)-3,4-Methylenedioxymethamphetamine); Anxiety; Odor, cat; Social interaction; Ultrasonic vocalization (Morley, K.C. (408) 41)

Ecto-ATPase

ATP; Ecto-nucleotidase; Dipyridamole; Superior cervical ganglion, rat; UTP (Connolly, G.P. (397) 271)

Ectonucleotidase

Vas deferens; ATP; Purinergic (Tennant, J.P. (387) 107)

Ecto-nucleotidase

ATP; Dipyridamole; Ecto-ATPase; Superior cervical ganglion, rat; UTP (Connolly, G.P. (397) 271)

EDHF (endothelin-derived hyperpolarising factor)

Endothelium; P2 receptor; Purine; Pyrimidine; Vasodilatation (Malmsjö, M. (390) 173)

EDHF (Endothelium-derived hyperpolarizing factor)

3-morpholiniosydnonimine (SIN-1); K⁺ channel, Ca²⁺-activated; K⁺ channel, ATP-sensitive; Membrane potential (Quignard, J.-F. (399) 9)

Ouabain; 18 α -Glycyrrhetic acid; Gap junctions; K⁺; Endothelium (Harris, D. (402) 119)

Melittin; Phospholipase A₂; Gap junction; Connexin; Endothelium; Smooth muscle, vascular (Hutcheson, I.R. (406) 239)

EDRF (endothelium-derived relaxing factor)

S-Nitrosothiol; Nitric oxide (NO); Ca²⁺-channel, voltage-sensitive; Vasodilation (Travis, M.D. (408) 289)

EEDQ

5-HT_{1A} receptor; [³⁵S]GTP γ S binding assay; Hippocampus; Cortex; Receptor reserve; Spare receptor (Alper, R.H. (390) 67)

Efficacy

Affinity; Intrinsic activity; Gpp(NH)p shift; 5-HT_{1A} receptor ligand; S-14506; Dihydroergotamine (Assié, M.-B. (386) 97)

EGF (epidermal growth factor)

Pancreatitis; Pancreatic regeneration; Interleukin 1 β (Dembinski, A. (398) 159)

Egr-1 (zif-268)

MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxytryptamine, serotonin) transporter; Immediate-early gene (Shirayama, Y. (402) 215)

Ehrlich ascites tumour

Antitumour; Myelopoiesis; MAPA (magnesium ammonium phospholipoleate-palmitoleate anhydride); CFU-GM (colony-forming unit-granulocyte-macrophage) (Justo, G.Z. (388) 219)

Eicosanoid

Ditriazines; Nitric oxide (NO); Macrophage; Neutrophil; Air pouch, mouse; Carrageenan paw oedema (Rioja, I. (397) 207)

Electrical field stimulation

Cannabinoid receptor agonist; WIN 55212-2; Cannabinoid receptor antagonist; SR14716A; Ileum; Short-circuit current, (Rat) (Tyler, K. (409) 207)

Electrical signal

ATP; Hippocampal slice; Optical recording; Adenosine receptor (Sato, K. (399) 123)

Electrical stimulation

TAK-637; Tachykinin NK₁ receptor antagonist, non-peptide; Micturition reflex; Spinal cord (Kamo, I. (401) 235)

Electrocardiography

Ketamine; Ondansetron; 5-HT (5-hydroxytryptamine, serotonin); Heart rate; Fractal (DePetrillo, P.B. (391) 113)

Electroconvulsion

3-Nitropropionic acid; Mitochondrial toxin; Seizure; GABA (γ -aminobutyric acid); 4-Aminopyridine (Haberek, G. (403) 229)

Electrophoretic mobility shift assay

Opioid peptide; AP-1 (activator protein-1); Transcriptional regulation; Uterus, rat; Hypothalamus, rat (Oszter, A. (395) 103)

Electrophysiology

Hippocampus; Epileptiform activity; Na⁺ current; *Aconitum* alkaloid (Ameri, A. (386) 187)

Antidepressant; 5-HT_{1A} receptor; α_2 -Adrenoceptor; Tyramine; Norepinephrine transporter; Pyridobenzoazepine (Liégeois, J.-F. (386) 211)

Dopamine; Morphine (Melis, M. (387) R1)

Risperidone; Microdialysis; Schizophrenia; Antipsychotic drug; Noradrenergic system (Nasif, F.J. (394) 67)

Cerebral ischaemia model; Ca²⁺ channel antagonist; Na⁺ channel antagonist (Campbell, C.A. (401) 419)

Electroshock

GEPR (genetically epilepsy-prone rat); Convulsion; α_1 -Adrenoceptor; β -Adrenoceptor; Receptor regulation (Seo, D.O. (396) 53)

Electroshock, maximal

Topiramate; Antiepileptic drug; Drug interaction; Seizure (Świąder, M. (399) 35)

Eletriptan

Sumatriptan; Carotid artery blood flow; Femoral artery blood flow; Neurogenic inflammation; Coronary artery diameter (Gupta, P. (398) 73)

Coronary artery; GR125743; Middle meningeal artery; Migraine; Saphenous vein; Serotonin; Sumatriptan; (Human) (Van den Broek, R.W.M. (407) 165)

Elevated plus maze

Dopamine D₁ receptor; Dopamine D₃ receptor; Knockout mice; Locomotor activity; Exploratory behaviour; Rotarod; Spatial learning (Karasinska, J.M. (399) 171)

Elevated plus-maze

Dorsal periaqueductal gray; μ -Opioid receptor; κ -Opioid receptor; CTOP; Nor-binaltorphimine; Aversion (Nobre, M.J. (404) 145)

Nicotine; Anxiety; α -Adrenoceptor; (Mouse) (Zarrindast, M.-R. (407) 145)

Eliprodil

Cocaine; Motor activity; Conditioning; Dizocilpine (MK-801); D-CPPene (SDZ EAA 494); Memantine; ACEA-1021; (Rat) (Bespalov, A.Y. (390) 303)

EM574

Motilin; Cisapride; Gastric emptying; (Dog) (Sako, F. (395) 165)

Emedastine difumarate

Itch-associated response; Substance P; Histamine; Leukotriene B₄; 5-HT (5-hydroxytryptamine, Serotonin) (Andoh, T. (406) 149)

ENA-713

Donepezil hydrochloride (E2020); Tacrine; Physostigmine; TAK-147; NIK-247; Cholinesterase inhibitor; Cholinesterase (Kosasa, T. (389) 173)

Enalapril

Blood pressure; Endothelin-1; Bradykinin; Losartan; (Rat) (Tanus-Santos, J.E. (397) 367)

Cyclosporine A; Na⁺; Valsartan; Angiotensin II; Vascular response (Lassila, M. (398) 99)

Encephalomyocarditis virus

Glucose intolerance; Branched chain amino acid; Insulinitis (Utsugi, T. (398) 409)

Endocannabinoid

Radical oxygen intermediate; Cytokine (Gallily, R. (406) R5)

Endocrine response

Behaviour; Autonomic response; Anxiety; Affective disorder; Post-traumatic stress disorder (PTSD); (Rat) (Stam, R. (405) 217)

Endogenous opioid

Addiction; Reward; Brain stimulation reward; Self-administration; Sexual behaviour; Social behaviour (Van Ree, J.M. (405) 89)

Endomorphin-1

Endomorphin-2; Diabetes; Antinociception; δ -Opioid receptor; μ -Opioid receptor (Kamei, J. (391) 91)

Endomorphin-2; μ -Opioid receptor; Spontaneous alternation performance; (Mouse) (Ukai, M. (395) 211)

Endomorphin-2

Endomorphin-1; Diabetes; Antinociception; δ -Opioid receptor; μ -Opioid receptor (Kamei, J. (391) 91)

Endomorphin-1; μ -Opioid receptor; Spontaneous alternation performance; (Mouse) (Ukai, M. (395) 211)

 β -Endorphin

Pain; Antinociception; Sex difference; Gonadectomy, adult (Krzanowska, E.K. (392) 157)

Endothelial cell

Thrombin receptor; Protein phosphatase (Mizuno, O. (389) 13)

Smooth muscle cell, Vascular; Integrin; Vitronectin; Glycoprotein IIb/IIIa-inhibitor; (Human) (Kintscher, U. (390) 75)

Endothelin; TNF (tumor necrosis factor) receptor; Epithelial cell; Inflammation; Atherosclerosis (Lees, D.M. (390) 89)

Fractalkine; Chemokine; Chemotaxis; Adhesion; Umbilical vein, human (Chapman, G.A. (392) 189)

Angiogenesis; Ca^{2+} influx; Proliferation (Kawasaki, J. (398) 19)

Suramin; Eriochrome Black T; Cyclin; Cell cycle (Langer, I. (399) 85)

Endothelial cell, rat

5-HT (5-Hydroxytryptamine, serotonin); Protein kinase C; [^3H]Phorbol 12,13-dibutyrate binding; Trypsin-treated protein kinase C activity; cAMP; cGMP (Lee, H.-Z. (403) 195)

Endothelial cell, cultured

Angiotensin-converting enzyme; Angiotensin-converting enzyme inhibitor; Umbilical veins, human; Nitric oxide (NO); Platelet aggregation (Persson, K. (406) 15)

Endothelial factor

Hemostasis; Nitric oxide (NO); Platelet; Thrombosis (Momi, S. (397) 177)

Endothelial injury

Carotid artery, rat; Angiotensin I-converting enzyme; Angiotensin I-converting enzyme inhibitor; Vasoconstriction (Lemay, J. (394) 301)

Endothelial mediator

Hormonal control; Endothelial receptor, luminal; ATP; Purinoceptor; Cardiac function control (Zenteno-Savin, T. (410) 15)

Endothelial reactivity

Hypersensitivity; Ovalbumin; Nitric oxide (NO); Pulmonary artery (Akar, F. (395) 225)

Endothelial receptor, luminal

Hormonal control; ATP; Purinoceptor; Endothelial mediator; Cardiac function control (Zenteno-Savin, T. (410) 15)

Endothelin

Endothelin-converting enzyme; Atherosclerosis; Cholesterol; Lipid peroxide; (Rabbit) (Mitani, H. (387) 313)

Allodynia; Streptozotocin; Diabetic neuropathy (Jarvis, M.F. (388) 29)

Arginine; Glutamine; Endotoxin; Nitro-arginine (Mitchell, J.A. (389) 209)

Airway; Prostaglandin; Leukotriene; Neuromediator; (Mouse) (Richter, M. (389) 225)

TNF (tumor necrosis factor) receptor; Endothelial cell; Epithelial cell; Inflammation; Atherosclerosis (Lees, D.M. (390) 89)

MAP (mitogen-activated protein) kinase; Angiotensin; Aorta; Spontaneously hypertensive rat (SHR); DOCA-salt hypertensive rat (Kubo, T. (400) 231)

Prostate; Neuromuscular transmission; Endothelin ET_A receptor; (Rat) (Salamoussa, A. (403) 139)

Endothelin $\text{ET}_\text{A}/\text{ET}_\text{B}$ receptor antagonist bifunctional; IRL 3630A; Respiratory mechanics (Makatani, M. (406) 139)

Stellate cell; Cirrhosis; Liver; Fibrosis, rat (Gandhi, C.R. (406) 311)

Nitric oxide (NO); Noradrenaline; Smooth muscle, vascular (Lui, A.H. (410) 25)

Endothelin-1

Endothelin ET_A -receptor; Endothelin ET_B -receptor; A-192621; PD 155080; Endotoxaemia; Septic shock (Wanecek, M. (386) 235)

Cyclooxygenase 2; Prostaglandin E_2 ; Lipopolysaccharide; Macrophage (Shimada, K. (388) 187)

δ -Opioid receptor; Short-circuit current; Intestine, large (Gauthier, C. (390) 335)

Cardiac muscle; $[\text{Ca}^{2+}]_i$ transient; Protein kinase C (Izumi, M. (396) 109)

Blood pressure; Bradykinin; Enalapril; Losartan; (Rat) (Tanus-Santos, J.E. (397) 367)

Hypocapnic constriction; Basilar artery; Nitric oxide (NO) (Zuccarello, M. (401) 213)

Chronic hypoxia; Lung; Big-endothelin-1; Sarafotoxin-6C; Pulmonary vasoconstriction; Pulmonary vasodilation; Bronchoconstriction; Endothelin ET_B receptor; (Rat) (Lal, H. (402) 101)

FR139317; BQ-788; Phosphoramidon; Transmural electrical stimulation (Nagayama, T. (406) 69)

Endothelin receptor antagonism; Septic shock; Endotoxin (Wanecek, M. (407) 1)

Basilar artery; 5-HT (5-hydroxytryptamine, serotonin); Hypocapnia; Isocapnia; Alkaline (Zuccarello, M. (407) 191)

Endothelin-converting enzyme

Endothelin; Atherosclerosis; Cholesterol; Lipid peroxide; (Rabbit) (Mitani, H. (387) 313)

Endothelin $\text{ET}_\text{A}/\text{ET}_\text{B}$ receptor antagonist bifunctional

Endothelin; IRL 3630A; Respiratory mechanics (Makatani, M. (406) 139)

Endothelin ET_A -receptor

Endothelin-1; Endothelin ET_B -receptor; A-192621; PD 155080; Endotoxaemia; Septic shock (Wanecek, M. (386) 235)

Endothelin ET_B receptor; Fibroblast; HeLa cell; (Human) (Drimal, J. (396) 19)

Endothelin ET_B receptor; Splanchnic nerve stimulation; FR139317; BQ-788 (Hosokawa, A. (397) 55)

Endothelin; Prostate; Neuromuscular transmission; (Rat) (Salamoussa, A. (403) 139)

Endothelin ET_B -receptor

Endothelin-1; Endothelin ET_A -receptor; A-192621; PD 155080; Endotoxaemia; Septic shock (Wanecek, M. (386) 235)

Endothelin ET_A receptor; Fibroblast; HeLa cell; (Human) (Drimal, J. (396) 19)

Endothelin ET_A receptor; Splanchnic nerve stimulation; FR139317; BQ-788 (Hosokawa, A. (397) 55)

Chronic hypoxia; Lung; Endothelin-1; Big-endothelin-1; Sarafotoxin-6C; Pulmonary vasoconstriction; Pulmonary vasodilation; Bronchoconstriction; (Rat) (Lal, H. (402) 101)

Cytokine; Interleukin-1 β ; Interleukin-6; Interferon- γ ; TNF- α (tumour necrosis factor- α); Sarafotoxin S6c; Vasoactivity (White, L.R. (406) 117)

Endothelin receptor

Diabetes; Urinary bladder (Saito, M. (387) 253)

Endothelin receptor antagonist

Blood pressure; Nicotine; Thromboxane; (Rat) (Tanus-Santos, J.E. (396) 33)

Endothelin receptor antagonism

Endothelin-1; Septic shock; Endotoxin (Wanecek, M. (407) 1)

Endothelin receptor subtype

S-0139; Antagonist activity; Blood vessel, rabbit; Blood vessel, canine (Iwasaki, T. (400) 255)

Endothelium

Flavonoid; Dioclein; Vasorelaxation; Nitric oxide (NO); Aorta (Lemos, V.S. (386) 41)

EDHF (endothelin-derived hyperpolarising factor); P2 receptor; Purine; Pyrimidine; Vasodilatation (Malmström, M. (390) 173)

Harman; Vasorelaxant; Nitric oxide (NO) (Shi, C.-C. (390) 319)

Thapsigargin; Nitric oxide (NO); K⁺ channel; Relaxation; Aorta; (Rat) (Huang, Y. (392) 51)

Stroke-prone spontaneously hypertensive rats (SHRSP); Pulmonary artery; α -Adrenoceptors; Nitric oxide (NO) (Matsuda, K. (392) 61)

β -Adrenoceptor; Age; Isoprenaline; Relaxation; K⁺ channel (Van der Zyp, A. (397) 129)

Mesenteric artery, rat; Levromakalim; Hyperpolarisation; 18 α -Glycyrrhetic acid; Carbachol (White, R. (397) 279)

β -Adrenoceptor; β -Adrenoceptor, atypical; Nitric oxide (NO); Guanylyl cyclase; Smooth muscle, vascular (Brawley, L. (398) 285)

Diabetes; Nitric oxide (NO); 5-HT (5-Hydroxytryptamine, serotonin); Carotid artery (Miranda, F.J. (401) 397)

Oxidant stress; Nitric oxide (NO); Insulin resistance; Obese Zucker rat (Laight, D.W. (402) 95)

Endothelium-derived hyperpolarizing factor (EDHF); Ouabain; 18 α -Glycyrrhetic acid; Gap junctions; K⁺ (Harris, D. (402) 119)

Nitric oxide (NO); Diabetes mellitus; Angiotensin (Pieper, G.M. (403) 129)

Melittin; Phospholipase A₂; Gap junction; Connexin; Endothelium-derived hyperpolarizing factor (EDHF); Smooth muscle, vascular (Hutchinson, I.R. (406) 239)

Thiazide; Methyclothiazide; Ca²⁺; Spontaneously hypertensive, rat (SHR); Hypertension (Colas, B. (408) 63)

Purinergic neuromodulation; Bradykinin; Prostanoid (Thapaliya, S. (408) 313)

Histamine; Pre-eclampsia; Nitric oxide (NO); ANP (atrial natriuretic peptide); (Human) (Suzuki, Y. (410) 7)

Endothelium-dependent relaxation

Aorta; Streptozotocin-diabetes; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Very low-density lipoprotein; Low-density lipoprotein; High-density lipoprotein; Oxysterol (Perségol, L. (406) 429)

Endothelium-independent relaxation

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Endotoxaemia

Endothelin-1; Endothelin ET_A-receptor; Endothelin ET_B-receptor; A-192621; PD 155080; Septic shock (Wanecek, M. (386) 235)

Endotoxic shock

Aminoguanidine; Nitric oxide (NO); (Rat) (Erol, A. (408) 175)

Endotoxin

Arginine; Glutamine; Endothelin; Nitro-arginine (Mitchell, J.A. (389) 209)

Endothelin-1; Endothelin receptor antagonism; Septic shock (Wanecek, M. (407) 1)

End-systolic elastance

Ca²⁺-responsiveness; Ca²⁺-sensitizer; Myocardial contractility; Stunning (De Zeeuw, S. (403) 99)

Energetic metabolism

Cannabinoid; Behavioural tolerance; Brain; Cannabinoid CB₁ receptor-specific antagonist (Costa, B. (395) 1)

Energy balance

Genomic; Essential obesity (Ravussin, E. (410) 131)

Energy metabolism

Neurotoxicity; Cytochrome oxidase; Amphetamine; Histochemistry (Burr, K.B. (398) 11)

Enhancer

Nicotinic receptor; Transcription; Promoter; Neuron (Deneris, E.S. (393) 69)

Enkephalin

Neutral endopeptidase; Enkephalinase; Knockout mouse; Alcohol consumption; Angiotensin-converting enzyme; Enkephalin-degrading peptidases; Opioid (Siems, W.-E. (397) 327)

Enkephalinase

Neutral endopeptidase; Enkephalin; Knockout mouse; Alcohol consumption; Angiotensin-converting enzyme; Enkephalin-degrading peptidases; Opioid (Siems, W.-E. (397) 327)

Enkephalin catabolism, mixed inhibitors

Enkephalin, endogenous; Drug discrimination; Morphine; CI 988; CCK₁ receptor antagonist; RB 120 (Hutchinson, D.M. (401) 197)

Enkephalin-degrading peptidases

Neutral endopeptidase; Enkephalinase; Enkephalin; Knockout mouse; Alcohol consumption; Angiotensin-converting enzyme; Opioid (Siems, W.-E. (397) 327)

Enkephalin, endogenous

Enkephalin catabolism, mixed inhibitors; Drug discrimination; Morphine; CI 988; CCK₁ receptor antagonist; RB 120 (Hutcheson, D.M. (401) 197)

Ensaculin

Dopamine; DOPAC (3,4-dihydroxyphenylacetic acid); Glutamate; Microdialysis; Rat (Teismann, P. (398) 247)

Enteric nervous system

Submucous plexus; Small intestine; Synaptic transmission, inhibitory; Norepinephrine; Somatostatin (Liu, S. (397) 49)

Enteric neuron

Submucosal neuron; ATP receptor; Ca²⁺; Receptor; P2X receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

Enterochromaffin-like cell

Histamine; Mast cell; Rabeprazole; Mast cell-deficient, rat (Nakamura, S. (394) 9)

Enteropooling

Inflammation, peripheral; Intestine; Opioid; Opioid receptor; Permeability (Valle, L. (389) 235)

Entorhinal cortex

Retigabine; Anticonvulsant; Spike frequency habituation; EPSP (excitatory postsynaptic potential); IPSP (inhibitory postsynaptic potential); K⁺ channel opener (Hetka, R. (386) 165)

Enzyme regulation

Oestrogen receptor modulator; Oestrogen; Nitric oxide (NO); Blood pressure; Vasopressin (Pávó, I. (410) 101)

Eosinophil

Apoptosis; Fluticasone propionate; Budesonide; Beclomethasone (Zhang, X. (406) 325)

EP 50885

Penile erection; Hexarelin; EP 60761; Oxytocin; Nitric oxide (NO); Paraventricular nucleus; (Rat) (Melis, M.R. (404) 137)

EP 60761

Penile erection; Hexarelin; EP 50885; Oxytocin; Nitric oxide (NO); Paraventricular nucleus; (Rat) (Melis, M.R. (404) 137)

Epibatidine

Nicotinic acetylcholine receptor subtype; α -Bungarotoxin (Vailati, S. (393) 23)

Nicotinic receptor; Somatodendritic; Substantia nigra; Ventral tegmental area; Dendrosome (Reuben, M. (393) 39)

Nicotinic acetylcholine receptor; Molecular model; ABT-594; A-85380; Analgesia; Antinociception (Meyer, M.D. (393) 171)

[¹²³I]Epidepride

Dopamine; Dopamine D₂ receptor, extrastriatal; SPECT (Single photon emission computed tomography); α -Methyl-*para*-tyrosine; Schizophrenia; Binding, in vivo (Fujita, M. (387) 179)

Epilepsy

Topiramate; Carbamazepine; Phenytoin; Valproate; Felbamate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (388) 163)

GYKI 52466; 2,3-Benzodiazepine; Anticonvulsant; Hippocampus; Brain slice; Epileptiform bursting (Marinelli, S. (391) 75)

Movement disorder; Nootropic drug; Anticonvulsant drug (Löscher, W. (391) 251)

Neuronal nicotinic receptor; Nicotinic receptor distribution; Nicotine; Nicotinic agent; Schizophrenia; Dementia; Ageing; Tobacco addiction (Clementi, F. (393) 3)

Acetylcholine receptor; Mutation (Steinlein, O.K. (393) 243)

Nitric oxide (NO); 7-Nitroindazole; Carbamazepine; Diazepam; Lamotrigine; Phenobarbital; Phenytoin; Valproate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (394) 275)

Riluzole; Audiogenic seizure; AMPA (α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid); Glycine/NMDA receptor; DBA/2 mouse (De Sarro, G. (408) 25)

Epileptic activity

Antiepileptic drug; Vigabatrin; Temporal lobe epilepsy; Pharmacoresistant; Brain slice (Muschhoff, U. (401) 167)

Epileptiform activity

Hippocampus; Electrophysiology; Na⁺ current; *Aconitum* alkaloid (Ameri, A. (386) 187)

Epileptiform bursting

GYKI 52466; 2,3-Benzodiazepine; Anticonvulsant; Epilepsy; Hippocampus; Brain slice (Marinelli, S. (391) 75)

Epinastine

Scratching behavior; Immunoglobulin E; Anaphylaxis, passive cutaneous; Substance P; Histamine; Histamine H₁ receptor; Oxatomide; Cetirizine; Terfenadine; (Mouse) (Inagaki, N. (400) 73)

Epinephrine

Self-administration; Catecholamine; Norepinephrine; Corticosterone; Yoking; Nicotine (Donny, E.C. (402) 231)

Epithelial cell

Endothelin; TNF (tumor necrosis factor) receptor; Endothelial cell; Inflammation; Atherosclerosis (Lees, D.M. (390) 89)

Epithelial differentiation

Adenosine receptor; Colon adenocarcinoma; HT29 cell; Adenosine deaminase (Lelièvre, V. (391) 21)

Epithelial Na⁺ channel

cAMP; Urinary bladder (Burton, T.J. (404) 273)

Epithelium

Urinary bladder; Prostaglandin; Diabetes (Pinna, C. (388) 267)

EPSP (excitatory postsynaptic potential)

Retigabine; Anticonvulsant; Entorhinal cortex; Spike frequency habituation; IPSP (inhibitory postsynaptic potential); K⁺ channel opener (Hetka, R. (386) 165)

Eriochrome Black T

Suramin; Endothelial cell; Cyclin; Cell cycle (Langer, I. (399) 85)

ERK (extracellular signal-regulated kinase)

CGRP (calcitonin gene-related peptide); P38; Forskolin; HEK 293 cell (Parameswaran, N. (389) 125)

Estrogen; Non-genomic effect; Hippocampus, rat (Kuroki, Y. (400) 205)

ERK (extracellular signal-related kinase)

Okadaic acid; Adrenomedullin; JNK (jun amino-terminal kinase); P38 MAPK (P38 mitogen-activated protein kinase) (Parameswaran, N. (388) 133)

Erythropoietin

Subarachnoid hemorrhage; Brain (Buemi, M. (392) 31)

Cerebral ischemia; Brain injury; Neuronal death delayed; Nitric oxide (NO) (Calapai, G. (401) 349)

Brain ischemia; Subarachnoid hemorrhage (Alafaci, C. (406) 219)

Escin Ib

Escin Iib; Mg^{2+} absorption; Nitric oxide (NO) (Li, Y. (387) 337)

Escin Iib

Escin Ib; Mg^{2+} absorption; Nitric oxide (NO) (Li, Y. (387) 337)

E-Selectin

Nitric oxide (NO); Nitric oxide-releasing compound; Adhesion; ICAM-1; Lipopolysaccharide (Kosonen, O. (394) 149)

Esophageal sphincter relaxation, transient, lower

GABA (γ -aminobutyric acid); Baclofen; Tolerance (Lehmann, A. (403) 163)

Essential obesity

Genomic; Energy balance (Ravussin, E. (410) 131)

Estrogen

Nitric oxide (NO); Gastric mucus (Morschl, É. (392) R5)

Non-genomic effect; ERK (extracellular signal-regulated kinase); Hippocampus, rat (Kuroki, Y. (400) 205)

Androgen; Th1/Th2; Immune function; Prenatal; Autoimmunity (Martin, J.T. (405) 251)

Estrogen β receptor

5-HT_{2A} receptor; Transmission disequilibrium; Association; Genome screening; Dopamine; Leptin (Hinney, A. (410) 147)

Estrogenic activity

Apigenin; Luteolin; Anti-implantation activity (Hiremath, S.P. (391) 193)

Ethanol

Acamprosate; Spermine; NMDA receptor; Primary cultured neuron; Patch-clamp, whole-cell (Popp, R.L. (394) 221)

Acetaldehyde; Hepatocyte; MAPK (mitogen-activated protein kinase); Angiotensin II (Weng, Y.-I. (398) 323)

Clozapine; Haloperidol; Ritanerlin; Ascorbic acid; Microdialysis; (Rat) (Liu, W. (398) 333)

Dopamine release; Stress of social defeat; Voltammetry in vivo; Nucleus accumbens; (Mouse) (Yavich, L. (401) 365)

Naltrexone; L-DOPA (L-3,4-dihydroxyphenylalanine); 5-HTP (5-hydroxy-L-tryptophan); Firing rate (Inoue, H. (406) 375)

Dopamine; Nicotine; Microdialysis; Nucleus accumbens; Selected line (Kiianmaa, K. (407) 293)

P2X₃ receptor; Trichloroethanol (Köles, L. (409) R3)

Ethanol dependence

SP1 (stimulatory protein-1) gene transcription factor; NF- κ B (nuclear factor- κ B) gene transcription factor; Brain; Ethanol tolerance (Mittal, N. (386) 113)

Ethanol tolerance; Withdrawal; NMDA (*N*-methyl-D-aspartate); ANP (atrial natriuretic peptide); Antiserum against atrial natriuretic peptide (Kovács, G.L. (401) 343)

Ethanol intake

5-HT_{1B} receptor; Knockout mouse; Water intake; Food intake (Bouwknicht, J.A. (403) 95)

Ethanol tolerance

SP1 (stimulatory protein-1) gene transcription factor; NF- κ B (nuclear factor- κ B) gene transcription factor; Brain; Ethanol dependence (Mittal, N. (386) 113)

Ethanol dependence; Withdrawal; NMDA (*N*-methyl-D-aspartate); ANP (atrial natriuretic peptide); Antiserum against atrial natriuretic peptide (Kovács, G.L. (401) 343)

Ethanol withdrawal

Ifenprodil; NMDA receptor subunit; Liquid diet method (Narita, M. (401) 191)

Adipose tissue; Hormone-sensitive lipase, cAMP; Phosphodiesterase (Shih, M.-F. (409) 223)

Ethosuximide

Generalized absence epilepsy; Ca^{2+} channel; WAG/Rij rat; Spike-wave discharge; Nimodipine; BAY K8644; Genetic model (Van Luijtelaar, G. (406) 381)

Ethylestrenol

Anabolic steroid; Pregnenolone sulfate; Passive avoidance behavior; Memory; Non-linear dynamics; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Eticlopride

SCH23390; Species-specificity; Monoamine (Sandoval, V. (409) 265)

Etomoxir

Carnitine palmitoyltransferase; SDZ CPI 975; Hypertrophy (Yotsumoto, T. (398) 297)

Heart, Rat; Contractile function; Carnitine palmitoyltransferase I inhibition; Hypertrophy; Infarct size (Günther, J. (406) 123)

 α -Eudesmol

ω -Agatoxin IVA-sensitive Ca^{2+} channel; Glutamate release; Synaptosome; Microdialysis; Focal ischemia (Asakura, K. (394) 57)

Excitation

Hippocampus; Choline; Interneuron; Nicotinic receptor; Methyllycaconitine; GABA (γ -aminobutyric acid) (Alkondon, M. (393) 59)

Excitation–contraction coupling

Ca²⁺-sensitizer; Inotropic agent; Hemodynamics; Heart failure; Diastolic dysfunction (Janssen, P.M.L. (404) 191)

Excitatory amino acid

Paraventricular nucleus; Cardiovascular regulation; Central; Microinjection; (Rat) (Gören, M.Z. (388) 77)

Hyperalgesia; Ventral posterolateral nucleus; Morphine; Riluzole; Dizolipine (Abarca, C. (403) 67)

Glutamate receptor, metabotropic; Caudoputamen; Nucleus accumbens; Basal ganglia; Drug of abuse (Mao, L. (404) 289)

Excitotoxicity

7-Chlorokynurenate; Glycine_B receptor; Neuroprotection (Wu, H.-Q. (390) 267)

Kainate; Cyclooxygenase-2; Nimesulide; Oxidative stress; Hippocampus (Candelario-Jalil, E. (390) 295)

Exocytosis

Glucagon; K_{ATP} channel; Nateglinide; Repaglinide (Bokvist, K. (386) 105)

Alzheimer's disease; Cholinergic; Neuromuscular junction; Oocyte; Synaptic vesicle; Tacrine; (*Torpedo marmorata*); (*Xenopus laevis*) (Ros, E. (390) 7)

Cytoskeleton; Insulin; Scinderin (Bruun, T.Z. (403) 221)

Experimental diabetes

Cholinergic neurotransmission; Nitric oxide (NO) (Özdem, S.S. (387) 321)

Exploratory behaviour

Dopamine D₁ receptor; Dopamine D₃ receptor; Knockout mice; Locomotor activity; Elevated plus maze; Rotarod; Spatial learning (Karasinska, J.M. (399) 171)

Extracellular signal-regulated protein kinase

Ribavirin; Ras; Raf-1; Cell cycle; Heat shock; GTP (Vallée, S. (404) 49)

Extrapyramidal

σ Receptor; Neuroleptic; Haloperidol; Dystonia (Matsumoto, R.R. (401) 155)

Extrapyramidal side-effect

Neuroleptic; Antipsychotic; Catalepsy; 5-HT (5-hydroxytryptamine, Serotonin) depletion; Dopamine D₂-like receptor; 5-HT_{1A} receptor; *p*-Chlorophenylalanine; Nemonapride; Raclopride; WAY 100635 (Prinssen, E.P.M. (395) 143)

Extrapyramidal symptom

Nerve growth factor (NGF); Dopamine receptor; Acetylcholine; Cognition (Ozaki, T. (402) 39)

Eye

Adrenomedullin; Inflammation; CGRP (calcitonin gene-related peptide); Nitric oxide (NO) (Clementi, G. (400) 321)

Factor Xa

Thrombosis; Thrombin; Coagulation inhibitor (Sinha, U. (395) 51)

Factor Xa / antithrombin complex

Hemophilia A; Blood coagulation control; Antithrombin consumption; Thrombin–antithrombin complex; Protein SV-IV (Di Micco, B. (391) 1)

Fas

Glycyrrhizin; Hepatitis (Okamoto, T. (387) 229)

Fatty acid ethanolamides

Cannabinoid; Anandamide; High-performance liquid chromatography; Mass spectrometry; Anandamide transport (Giuffrida, A. (408) 161)

Feeding

α-MSH (α-melanocyte stimulating hormone); Neuropeptide Y; (Chick) (Kawakami, S.-i. (398) 361)

Melanocortin; Central nervous system; Behavior; Body weight homeostasis; Anorexia; Obesity (Vergoni, A.V. (405) 25)

Feeding behaviour

P₂ purinoceptors; ATP (Kittner, H. (406) R13)

Felbamate

Epilepsy; Topiramate; Carbamazepine; Phenytoin; Valproate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (388) 163)

Femoral artery

Hyperpolarization; Nitric oxide (NO); Prostanoid; N^ω-nitro-L-arginine; ODQ (1*H*-[1,2,4]oxadiazolo[4,3-*a*]quinoxalin-1-one); Carotid artery (Crauwels, H.M. (404) 341)

Femoral artery blood flow

Eletriptan; Sumatriptan; Carotid artery blood flow; Neurogenic inflammation; Coronary artery diameter (Gupta, P. (398) 73)

D-Fenfluramine

Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Fenugreek seed

4-Hydroxyisoleucine; Insulin release; Structural analogue; Pancreas; (Rat) (Broca, C. (390) 339)

Fetal gene expression

Taurine; Angiotensin II; Cell size; Growth factor gene expression; Protein kinase C (Azuma, M. (403) 181)

Fetal, sheep

Angiotensin; AT₁ receptor; AT₂ receptor; Cardiovascular; Cortisol (Hegarty, B.D. (406) 439)

Fever

Lipopolysaccharide; μ-Opioid receptor antagonist; Preoptic anterior hypothalamus (Benamar, K. (401) 161)

Fibroblast

Endothelin ET_A receptor; Endothelin ET_B receptor; HeLa cell; (Human) (Drimal, J. (396) 19)

Dermatan; Chondroitin sulfate; Proliferation; Chondroitinase (Denholm, E.M. (400) 145)

Fibrosis, rat

Stellate cell; Cirrhosis; Endothelin; Liver (Gandhi, C.R. (406) 311)

Fimbria-fornix

Dopamine; Subiculum; Nucleus accumbens; Microdialysis; (Rat) (Mitchell, S.N. (407) 131)

Firing pattern

Corticosterone; Vasopressin; Ion channel; Neurotransmitter (Joëls, M. (405) 207)

Firing rate

Naltrexone; Ethanol; L-DOPA (L-3,4-dihydroxyphenylalanine); 5-HTP (5-hydroxy-L-tryptophan) (Inoue, H. (406) 375)

FITC-dextran

Arteriole; Permeability; Nitric oxide (NO); Platelet-activating factor (PAF); Nitric oxide synthase (NOS) inhibitor; Microcirculation (Klabunde, R.E. (404) 387)

FK506 (Tacrolimus)

Neutrophil chemotaxis; Interleukin-8; Mononuclear cell peripheral blood (Sasakawa, Y. (403) 281)

Flavonoid

Dioclein; Endothelium; Vasorelaxation; Nitric oxide (NO); Aorta (Lemos, V.S. (386) 41)

Wogonin; Cyclooxygenase; Prostaglandin; Macrophage (Wakabayashi, I. (406) 477)

Flesinoxan

5-HT_{1A} receptor agonist; Glucocorticoid receptor; Mineralocorticoid receptor; Hippocampus; Dorsal raphe nucleus (Sibug, R.M. (404) 111)

Flexor reflex

C-fibre; Rostral ventromedial medulla; Wind-up; Spino-bulbo-spinal; Inhibitory feedback mechanism; Morphine (Gozariu, M. (394) 75)

FLIPR (fluorescent imaging plate reader)

5-HT (5-Hydroxytryptamine serotonin); 5-HT receptor; Fluorescence; Meta-chlorophenylpiperazine; 8-OH-DPAT (8-hydroxy-*N,N*-dipropylaminotetralin) (Wood, M. (396) 1)

FLIPR (Fluorescent imaging plate reader)

Bombesin; Chinese hamster ovary (Brough, S.J. (409) 259)

FLIPR (fluorometric imaging plate reader)

Des-Arg¹⁰-kallidin; Bradykinin; Ca²⁺; Non-competitive antagonism; CHO cells (Simpson, P.B. (392) 1)

Flow

Nitric oxide (NO); Oxidative stress; Ischemia-reperfusion; Vascular (Walia, M. (400) 249)

Fluid secretion

Calcium ion; cAMP; Calcein; Multidrug resistance protein (Sugita, M. (388) 227)

Flumazenil

Glutamate; Diazepam; (Rat) (Khan, G.M. (407) 139)

Fluorescence

5-HT (5-Hydroxytryptamine serotonin); 5-HT receptor; FLIPR (fluorescent imaging plate reader); Meta-chlorophenylpiperazine; 8-OH-DPAT (8-hydroxy-*N,N*-dipropylaminotetralin) (Wood, M. (396) 1)

 α -Fluoromethylhistidine

Bafilomycin A₁; Histidine decarboxylase; Reserpine; Vacuolar-type ATPase; Vesicular monoamine transporter (Lindström, E. (387) 19)

Gastrin; Histamine; Histidine decarboxylase; Microdialysis in vivo; ECL cell; Secretory vesicle; Stomach (Norlén, P. (400) 1)

Fluoroquinolone

Histamine release; Mast cell; G protein (Mori, K. (394) 51)

Fluoroquinolones

HERG; QT-prolongation; Patch-clamp technique (Bischoff, U. (406) 341)

Sparfloxacin; Moxifloxacin; Grepafloxacin; Ciprofloxacin; Purkinje fibre; Cardiac action potential; (Canine) (Patmore, L. (406) 449)

Fluoxetine

Conditioned place preference; Morphine; RB 120; CI 988; CCK₂ receptor antagonist (Subhan, F. (390) 137)

Forced swim test; 5-HT₄ receptor; SB 204070A; Antidepressant (Cryan, J.F. (409) 295)

Flupirtine

Retigabine; Glutamate toxicity; PC12 cells; Reactive oxygen intermediates; Glutathione (Seyfried, J. (400) 155)

Fluticasone propionate

Apoptosis; Eosinophil; Budesonide; Beclomethasone (Zhang, X. (406) 325)

Fluvoxamine

Diazepam; Anxiety; Conditioned fear stress; Defensive freezing behavior; (Mouse) (Miyamoto, J. (409) 81)

Focal adhesion kinase

Neuromedin B receptor antagonist, nonpeptide; Ca²⁺, cytosolic; *c-fos* mRNA; Proliferation (Moody, T.W. (409) 133)

Focal cerebral ischemia

α_2 -Adrenoceptor antagonist; Recovery; Sensorimotor functions; (Rat) (Jolkkonen, J. (400) 211)

Focal ischemia

Chloromethyl ketone; Stroke; Apoptosis; Serine protease inhibitor; Nitric oxide (NO) (LeBlanc, M.H. (390) 249)

ω -Agatoxin IVA-sensitive Ca²⁺ channel; α -Eudesmol; Glutamate release; Synaptosome; Microdialysis (Asakura, K. (394) 57)

Food intake

Antipsychotic; Neuroleptic; 5-HT (5-hydroxytryptamine), serotonin; 5-HT_{2C} receptor; mCPP-(3-chlorophenyl)piperazine; Behavior; Hypolocomotion; Hypophagia; Locomotor activity (Prinssen, E.P.M. (388) 57)

Imidazoline I₂ receptor ligand; Idazoxan; RX821002; Metrazoline; Benazoline; Tracizoline; Water intake (Polidori, C. (392) 41)

Anandamide; Diet restriction; Cognitive function; Hippocampus; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

Histamine; Hypothalamus; Leptin; *Tele*-methylhistamine; (Intracerebroventricular infusion) (Lecklin, A. (395) 113)

Sibutramine; Desmethylsibutramine; Didemethylsibutramine; Obesity; Locomotor activity; Antidepressant (Glick, S.D. (397) 93)

Nitric oxide (NO); 8-OH-DPAT (8-hydroxy-2-di-*n*-(propylamino)tetralin); 5-HT (5-hydroxytryptamine, serotonin); *N*^G-nitro-L-arginine methyl ester (L-NAME); Hypothalamus (Yamada, J. (402) 247)

5-HT_{1B} receptor; Knockout mouse; Ethanol intake; Water intake (Bouwknicht, J.A. (403) 95)

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Peptide–receptor interaction; Avoidance; Grooming; Pain (Adan, R.A.H. (405) 13)

Ipsapirone; 5-HT_{1A} receptor agonist; WAY-100635 (Arkle, M. (408) 273)

Footshock

Angiotensin AT₂ receptor; Losartan; PD 123319; Kinin; Nitric oxide (NO) synthase; Cyclo-oxygenase (Israel, A. (394) 103)

Forced-swim test

Melatonin; Antidepressant; Sex difference; Depression (Brotto, L.A. (402) 87)

Forced swim test

5-HT₄ receptor; SB 204070A; Fluoxetine; Antidepressant (Cryan, J.F. (409) 295)

Forebrain basal

Neuroinflammation; Acetylcholine; Caspase; Non-steroidal anti-inflammatory drug; (Rat) (Wenk, G.L. (402) 77)

Formalin

Adenosine; Adenosine kinase; Adenosine deaminase; Microdialysis; Pain; Inflammation (Liu, X.J. (408) 143)

Formalin test

FR122047; Cyclooxygenase-1; Acetic acid-induced writhing (Ochi, T. (391) 49)

Nigella sativa oil; Thymoquinone; Antinociception; Opioid system (Abdel-Fattah, A.-F.M. (400) 89)

Sarpogrelate; 5-HT_{2A} receptor antagonist; Antinociception; (Rat) (Obata, H. (404) 95)

Forskolin

Thromboxane A₂; TP receptor; cAMP; Mammary artery, internal; Saphenous vein (Cracowski, J.-L. (387) 295)

CGRP (calcitonin gene-related peptide); ERK (extracellular signal-regulated kinase); P38; HEK 293 cell (Parameswaran, N. (389) 125)

Anococcygeus, mouse; Nitroergic; Nitric oxide (NO); Papaverine; Sildenafil; Sodium nitroprusside (Frith, D. (400) 305)

Mesenteric artery, rat; cAMP; Levromakalim; Protein kinase A; K_{ATP} channels (Omar, R. (401) 85)

Fos-protein

Clozapine; Tolerance; DOI; 8-OH-DPAT (Sebens, J.B. (408) 11)

FR122047

Cyclooxygenase-1; Formalin test; Acetic acid-induced writhing (Ochi, T. (391) 49)

FR139317

Endothelin ET_A receptor; Endothelin ET_B receptor; Splanchnic nerve stimulation; BQ-788 (Hosokawa, A. (397) 55)

Endothelin-1; BQ-788; Phosphoramidon; Transmural electrical stimulation (Nagayama, T. (406) 69)

FR173657

Kallikrein secretion; K⁺; Diuresis; Natriuresis; Bradykinin B₂ receptor antagonist (Suzuki, T. (399) 223)

Lipopolysaccharide, bacterial; Bradykinin receptor; Microphysiometer; Aortic endothelial cell, bovine (Bentley, K.R. (402) 11)

Antagonism; Bradykinin B₂ receptor; FR190997; MEN 11270; Non-peptide (Meini, S. (409) 185)

FR140423

Antinociception; Noradrenergic system; α₂-Adrenoceptor; Spinal cord; (Mouse) (Ochi, T. (400) 199)

Antinociception; Serotonergic system; 5-HT_{2A} receptor; 5-HT₃ receptor; Spinal cord; (Mice) (Ochi, T. (409) 167)

FR190997

Antagonism; Bradykinin B₂ receptor; FR173657; MEN 11270; Non-peptide (Meini, S. (409) 185)

Fractal

Ketamine; Ondansetron; 5-HT (5-hydroxytryptamine, serotonin); Heart rate; Electrocardiography (DePetrillo, P.B. (391) 113)

Fractalkine

Chemokine; Chemotaxis; Adhesion; Umbilical vein, human; Endothelial cell (Chapman, G.A. (392) 189)

Free radical

Ischemia–reperfusion; Cyclopiazonic acid; Oxidative stress; Reactive oxygen species (Grover, A.K. (387) 87)

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Learning; Memory; Alzheimer's disease (Wang, L.M. (398) 65)

Oxidative stress; Antioxidant; Cortical culture; Propofol; Vitamin E (Boland, A. (404) 21)

Dinitrobenzene sulfonic acid; Inflammation; Nitric oxide (NO); Peroxynitrite; Poly (ADP-ribose) synthetase; Colon damage (Cuzzocrea, S. (406) 127)

Freezing behavior

Anxiety; Conditioned fear stress; Monoamine oxidase inhibitor (Maki, Y. (406) 411)

Frontal cortex

5-HT (5-hydroxytryptamine, serotonin); Paroxetine; Tianeptine; Raphe nuclei; Microdialysis, in vivo (Malagié, I. (403) 55)

5-HT_{2A} receptor; 5-HT_{2C} receptor; (Rabbit); (Human) (Aloyo, V.J. (406) 163)

FRTL-5 thyroid cell

Adenosine A₁ receptor; ATP; Protein kinase C; Signal transduction (Vainio, M. (390) 43)

Fructose 2,6-bisphosphate

Troglitazone; Hepatocyte; Insulin; Thiazolidinedione (Raman, P. (409) 19)

Frusamide

Loop-diuretic; Bumetanide; Cardiomyocyte; Contraction (Kelso, E. (400) 43)

FSH (follicle-stimulating hormone)

Dexamethasone; Inhibin; Ovarian function; (Rat, female, immature) (Tohei, A. (386) 69)

 β -Funaltrexamine

Dermorphin N-terminal tetrapeptide; Tail-flick test; Naloxonazine; μ_1 -Opioid receptor (Sakurada, S. (395) 107)

Functional affinity

Muscarinic receptor subtype; Ileum, avian; Binding affinity (Darroch, S. (402) 161)

Fura-2

Ca^{2+} entry, capacitative; Ca^{2+} store, internal; Cation channel, non-selective; Tyrosine kinase (Ohta, T. (387) 211)

Ca^{2+} ; Tyrosine kinase; Adrenoceptor; Inositol phosphate (Berts, A. (389) 35)

Betulinic acid; Ca^{2+} ; Ca^{2+} store; MDCK cell; Thapsigargin (Chou, K.-J. (408) 99)

Fura 2-acetoxymethyl (AM) ester

2,3-Butanedione monoxime; Ca_i^{2+} + transient; Long-term culture; Contractility; Ultrastructure; (Guinea pig) (Horackova, M. (404) 247)

Fura-2 microfluorimetry

AMPA receptor; Cortical neurone, cultured; Chloral hydrate; Trichloroethanol; Ca^{2+} concentration, intracellular (Fischer, W. (394) 41)

GABA_A

5-HT(5-hydroxytryptamine, serotonin); 5-HT₃ receptor; glycine receptor; Nicotinic acetylcholine receptor; Bicuculline (Sun, H. (391) 243)

GABA_A/benzodiazepine receptor

Hippocampus; Olfactory bulb; Ligand affinity; Receptor heterogeneity; α subunit (Lameh, J. (400) 167)

Sedation; 3D pharmacophore (Harris, D.L. (401) 271)

GABA (γ -aminobutyrate)

Caged compound; Synaptic inhibition; Hippocampus; Granule cell; GABA_A receptor (Molnár, P. (391) 255)

GABA (γ -aminobutyric acid)

Hippocampus; Choline; Interneuron; Nicotinic receptor; Excitation; Methyllycaconitine (Alkondon, M. (393) 59)

Movement disorder; Dystonia; Paroxysmal choreoathetosis; Barbiturate (Richter, A. (397) 343)

Dopamine; Acetylcholine; Substantia nigra; Striatum; Antimuscarinic drug; L-Dopa (Izurieta-Sánchez, P. (399) 151)

Clonidine; BAY K 8644; Ca^{2+} channel, L-type; Limbic system; Septum, Epilepsy (Baran, H. (401) 31)

Anaesthetic; Benzodiazepine; Optic nerve; Propofol (Empson, R.M. (401) 339)

Esophageal sphincter relaxation, transient, lower; Baclofen; Tolerance (Lehmann, A. (403) 163)

3-Nitropropionic acid; Mitochondrial toxin; Seizure; 4-Aminopyridine; Electroconvulsion (Haberek, G. (403) 229)

GABA_C receptor; $\rho 1$ subunit; Loreclezole (Thomet, U. (408) R1)

GABA (γ -aminobutyric acid) release

σ Receptor; Glutamate release; Synaptosome; Cerebellum (Garrone, B. (400) 35)

Gabapentin

Substantia nigra reticulata; γ -Aminobutyric acid; Microdialysis (Timmerman, W. (398) 53)

GABA receptor

Locus coeruleus; Noradrenaline; Cortex, prefrontal; Stress; NMDA receptor; CRF receptor; Microdialysis (Kawahara, H. (387) 279)

GABA_A receptor

Anesthetic; Propofol; Locus coeruleus (Chen, C.-L. (386) 201)

GABA (γ -aminobutyrate); Caged compound; Synaptic inhibition; Hippocampus; Granule cell (Molnár, P. (391) 255)

Ivermectin; Subunit composition; Patch clamp (Adelsberger, H. (394) 163)

Urocanic acid; UV-induced immunosuppression (Uusi-Oukari, M. (400) 11)

GABA_A receptor subtype

Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; Taurine; β -Alanine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

GABA_B receptor

G-protein; [³⁵S]GTP γ S autoradiography; 5-HT_{1A} receptor; Anxiolytic; Antidepressant (Sim-Selley, L.J. (389) 147)

GABA_C receptor

GABA (γ -aminobutyric acid); $\rho 1$ subunit; Loreclezole (Thomet, U. (408) R1)

Gacyclidine

NMDA receptor; Phencyclidine receptor; Gacyclidine enantiomer; Neuroprotection (Hirbec, H. (388) 235)

Gacyclidine enantiomer

NMDA receptor; Phencyclidine receptor; Gacyclidine; Neuroprotection (Hirbec, H. (388) 235)

Gadd45

Apoptosis; Smooth muscle cell, vascular; p53; Troglitazone; Pioglitazone (Okura, T. (407) 227)

Galanin-(1–15)

Galanin; Galanin receptor; Galanin receptor antagonist; Cardiovascular; Neuropeptide; Brain (Narváez, J.A. (399) 197)

Galanin

Galanin-(1–15); Galanin receptor; Galanin receptor antagonist; Cardiovascular; Neuropeptide; Brain (Narváez, J.A. (399) 197)

Galanin receptor

Galanin; Galanin-(1–15); Galanin receptor antagonist; Cardiovascular; Neuropeptide; Brain (Narváez, J.A. (399) 197)

Galanin receptor antagonist

Galanin; Galanin-(1–15); Galanin receptor; Cardiovascular; Neuropeptide; Brain (Narváez, J.A. (399) 197)

Galanthamine

Nicotinic acetylcholine receptor; Allosteric modulation; Alzheimer's disease; Cholinergic deficit (Maelicke, A. (393) 165)

Gallbladder

Muscarinic receptor; Receptor heterogeneity; Radioligand binding; Kinetics; Ca^{2+} , Intracellular; Ca^{2+} , Extracellular; Sr^{2+} ; (Guinea pig) (Akici, A. (388) 115)

Gap junction

Melittin; Phospholipase A_2 ; Connexin; Endothelium-derived hyperpolarizing factor (EDHF); Endothelium; Smooth muscle, vascular (Hutcheson, I.R. (406) 239)

Gap junctions

Endothelium-derived hyperpolarizing factor (EDHF); Ouabain; 18α -Glycyrrhetic acid; K^+ ; Endothelium (Harris, D. (402) 119)

Gastric blood flow

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ranitidine; Ulcer healing; Interleukin- 1β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Gastric emptying

EM574; Motilin; Cisapride; (Dog) (Sako, F. (395) 165)

Gastric fundus, Pig

Nitric oxide (NO); VIP (vasoactive intestinal polypeptide) (Dick, J.M.C. (397) 389)

Gastric fundus, rat

Aldose reductase; Autonomic neuropathy; Diabetes; Non-adrenergic non-cholinergic; Streptozotocin (Jenkinson, K.M. (401) 251)

Gastric mucin biosynthesis

HGF (hepatocyte growth factor); HGF receptor; (Rat) (Ichikawa, T. (392) 87)

Gastric mucus

Nitric oxide (NO); Estrogen (Morschl, É. (392) R5)

Gastric secretion

Ischemia–reperfusion; Omeprazole; Ranitidine; Ulcer healing; Gastric blood flow; Interleukin- 1β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Gastric ulceration

Helicobacter pylori; NSAID; Prostaglandin; Cyclooxygenase (Takahashi, S. (406) 461)

Gastric ulcer healing

Heparin; Intragastric administration; Nitric oxide (NO) synthase, Constitutive; Proliferation; Regeneration; Angiogenesis (Li, Y. (399) 205)

Gastrin

CCK receptor antagonist; Gastrin-binding protein (Rorison, K.A. (388) 9)

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ranitidine; Ulcer healing; Gastric blood flow; Interleukin- 1β ; Somatostatin (Brzozowski, T. (398) 147)

α -Fluoromethylhistidine; Histamine; Histidine decarboxylase; Microdialysis in vivo; ECL cell; Secretory vesicle; Stomach (Norlén, P. (400) 1)

Gastrin-binding protein

Gastrin; CCK receptor antagonist (Rorison, K.A. (388) 9)

Gastrin-releasing peptide

Bombesin, synthetic glycine-extended form; Biological effect; Gastrin-releasing peptide/bombesin receptor antagonist; (In vitro) (Oiry, C. (403) 17)

Gastrin-releasing peptide / bombesin receptor antagonist

Gastrin-releasing peptide; Bombesin, synthetic glycine-extended form; Biological effect; (In vitro) (Oiry, C. (403) 17)

Gastrointestinal motility

Gastrointestinal transit; Interdigestive migrating contraction; Post-operative ileus; SK-896; Prostaglandin $\text{F}_{2\alpha}$; (Dog) (Tsukamoto, K. (401) 97)

Gastrointestinal transit

Momordin Ic; 5-HT (5-hydroxytryptamine, serotonin); 5-HT $_2$ receptor; Prostaglandin (Li, Y. (392) 71)

Gastrointestinal motility; Interdigestive migrating contraction; Post-operative ileus; SK-896; Prostaglandin $\text{F}_{2\alpha}$; (Dog) (Tsukamoto, K. (401) 97)

Gastroprotection

Amtolmetin guacyl; Antisecretion; Capsaicin; CGRP (calcitonin gene-related peptide) (Tubaro, E. (387) 233)

Clonidine; α_{2B} -Adrenoceptor; Opioid receptor (Gyires, K. (396) 131)

Gender

[Met 5]enkephalin; T-lymphocyte; B-lymphocyte; Proliferation; Opioid receptor (Gabrilovac, J. (392) 101)

Gender difference

Opiate; Dependence, acute; Cardiovascular system; Blood pressure; Heart rate; Rat, spinal (Cruz, S.L. (397) 121)

Gene

Nicotinic receptor; Neuron, human; Transcriptional regulation; Promoter (Flora, A. (393) 85)

Gene duplication

Nicotinic receptor; Schizophrenia; Nicotine; Smoking; Neutrophil (Leonard, S. (393) 237)

Gene expression

Differentiation; Protein kinase C; Atherosclerosis; α -tropomyosin; (Rat) (Hirano, K. (406) 209)

Gene polymorphism

Opioid system, endogenous; Single nucleotide polymorphism; Addiction; Pharmacogenetics; Physiogenetics (LaForge, K.S. (410) 249)

Susceptibility; Cardiovascular disease; Angiotensin-converting enzyme; Angiotensinogen; Angiotensin II type 1 receptor (Wang, J.-G. (410) 289)

Generalized absence epilepsy

Ca^{2+} channel; WAG/Rij rat; Spike-wave discharge; Nimodipine; BAY K8644; Ethosuximide; Genetic model (Van Luijckelaar, G. (406) 381)

Genes

Personality; Neurotransmission; Polymorphism; Temperament; Abnormal behavior (Ebstein, R.P. (410) 205)

Gene targeting

Histamine H₁ receptor; Pain perception; Histamine; Somatic pain; Visceral pain (Mobarakeh, J.I. (391) 81)

Genetic

Psychoneuroendocrinology; Psychoneuroimmunoendocrinology; Molecular biology (Brambilla, F. (405) 341)

Opiate; Heroin; Addiction; Pharmacogenomics; Candidate gene (Lichter-mann, D. (410) 269)

Genetic model

Generalized absence epilepsy; Ca²⁺ channel; WAG/Rij rat; Spike-wave discharge; Nimodipine; BAY K8644; Ethosuximide (Van Luijelaar, G. (406) 381)

Genetic polymorphism

Smoking; Neurotransmitter; Association; Linkage (Arinami, T. (410) 215)

Genetics

Dopamine D₄ receptor; G protein-coupled receptor; Structure; Pharmacology; Signaling; Physiology (Oak, J.N. (405) 303)

Alcohol; Opioid receptor; Alcoholism; Quantitative trait locus (Town, T. (410) 243)

Genome screening

5-HT_{2A} receptor; Transmission disequilibrium; Association; Dopamine; Estrogen β receptor; Leptin (Hinney, A. (410) 147)

Genome-wide scanning

Schizophrenia; Pharmacogenetics; Single nucleotide polymorphism; Pharmacogenomics; DNA microarray (Kawanishi, Y. (410) 227)

Genomic

Essential obesity; Energy balance (Ravussin, E. (410) 131)

Genotype

Pharmacogenetic; Pharmacogenomic; Molecular epidemiology; Phenotype; DNA sequence variants; Population genetic; Patient-pair studies (Nebert, D.W. (410) 107)

Gentamicin

Renal failure; Nitric oxide (NO); L-arginine; L-NAME (*N*^ω-nitro-L-arginine methyl ester); (Rat) (Can, C. (390) 327)

GEPR (genetically epilepsy-prone rat)

Electroshock; Convulsion; α_1 -Adrenoceptor; β -Adrenoceptor; Receptor regulation (Seo, D.O. (396) 53)

GH (genetically hypertensive) rat

Tachykinin NK₁ receptor; Substance P; Inflammation; Hypertension genetic; Nitric oxide (NO) (Campbell, V.A. (401) 109)

Gingival fibroblast, human

Bradykinin; Interleukin-1 β ; Prostaglandin E₂; Ca²⁺ mobilization (Nakao, S. (395) 247)

Gingivitis

Desipramine; Microbiota; Salivary protein; Salivary flow rate; Tricyclic antidepressant (Koller, M.M. (408) 91)

Glucine

Phosphodiesterase 4 inhibitor; Sensitized, guinea pig; Airway hyperactivity; Airway eosinophil infiltration; Airway microvascular leakage (Pons, R. (397) 187)

Glia

Neonatal; ACTH (adrenocorticotropin); Neuroprotection; Magnocellular basal nucleus; Cholinergic neuron (Horvath, K.M. (405) 33)

Glibenclamide

Thiazolidinedione; Troglitazone; Rosiglitazone; BRL 49653; K_{ATP} current; K⁺ channel (Mishra, S.K. (386) 121)

I_{K,ATP}; HMR1883; Sulfonylurea; Cardiac ischemia; Dispersion; Arrhythmia; Sulfonylurea (Dhein, S. (398) 273)

Umbilical artery, human; 5-HT (5-hydroxytryptamine, serotonin); Nicorandil; ATP-sensitive, K⁺ channels; SIN-1 (3-Morpholinodisnonimine); Guanylate cyclase; ODQ ([1-*H*-(1,2,4) Oxadiazole (4,3-*a*) quinoxalin-1-one]); Temperature (Tiritilli, A. (406) 79)

Preconditioning; CGRP (calcitonin gene-related peptide); TNF- α (tumor necrosis factor- α); Heart, rat (Peng, J. (407) 303)

Tolbutamide; Desensitization; Clonal pancreatic β -cell; Insulin release; K_{ATP} channel (Ball, A.J. (408) 327)

Glioma

Poly(ADP-ribose) polymerase; Nitrosoureas; 3-Aminobenzamide (Winter, S. (398) 177)

Telomerase; Chemosensitivity; Penclomedine; p53 (Vieter, M. (407) 27)

Glipizide

Dopamine; Tyrosine hydroxylase; Sulfonylurea; DOPAC (3,4-dihydroxyphenylacetic acid); HVA (homovanilic acid) (Lamensdorf, I. (388) 147)

Glomerulo-tubular balance

Cyclosporine; Tacrolimus; Tubulo-glomerular feed-back; Tubular reabsorption; Single nephron filtration rate (Romano, G. (399) 215)

Glucagon

Exocytosis; K_{ATP} channel; Nateglinide; Repaglinide (Bokvist, K. (386) 105)

Sodium tungstate; Insulin; Pancreas, rat (Rodríguez-Gallardo, J. (402) 199)

mCPP (*m*-chlorophenylpiperazine); 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{2C/2B} receptor; Adrenaline (Yamada, J. (406) 153)

Glucagon-like peptide-1

Insulin secretion; Glucose elimination; 1,5-Anhydro-D-fructose; (Mouse) (Ahrén, B. (397) 219)

Dipeptidyl peptidase IV; Insulin secretion; Glucose tolerance; Diabetes, type 2; Glucose tolerance, impaired (Ahrén, B. (404) 239)

Glucocorticoid

Stress; Cytokine; Ageing; Alzheimer's disease (Angelucci, L. (405) 139)

Glucocorticoid receptor

5-HT_{1A} receptor agonist; Flesinoxan; Mineralocorticoid receptor; Hippocampus; Dorsal raphe nucleus (Sibug, R.M. (404) 111)

Mineralocorticoid receptor; Hypothalamic-pituitary-adrenocortical axis; Stress; Antidepressants; Major depression (Reul, J.M.H.M. (405) 235)

Glucose, blood

Glucose production, hepatic; Glucose-6-phosphatase; Glycogenesis; Chlorogenic acid derivative (Herling, A.W. (386) 75)

Glucose clamp

Streptozotocin; T-1095; Phlorizin; Na⁺-glucose cotransporter; Glucose tolerance test; Glucose transporter; Insulin sensitivity; Insulin secretion (Oku, A. (391) 183)

Glucose elimination

Insulin secretion; 1,5-Anhydro-D-fructose; Glucagon-like peptide-1; (Mouse) (Ahrén, B. (397) 219)

Glucose intolerance

Encephalomyocarditis virus; Branched chain amino acid; Insulinitis (Utsugi, T. (398) 409)

Glucose metabolism

β₃-Adrenoceptor agonists; Thermogenesis; Pyruvate-oxidation; Soleus muscle, isolated (Board, M. (406) 33)

Glucose-6-phosphatase

Glucose production, hepatic; Glucose, blood; Glycogenesis; Chlorogenic acid derivative (Herling, A.W. (386) 75)

Glucose production, hepatic

Glucose-6-phosphatase; Glucose, blood; Glycogenesis; Chlorogenic acid derivative (Herling, A.W. (386) 75)

Glucose tolerance

Dipeptidyl peptidase IV; Glucagon-like peptide-1 (GLP-1); Insulin secretion; Diabetes, type 2; Glucose tolerance, impaired (Ahrén, B. (404) 239)

Glucose tolerance, impaired

Dipeptidyl peptidase IV; Glucagon-like peptide-1 (GLP-1); Insulin secretion; Glucose tolerance; Diabetes, type 2 (Ahrén, B. (404) 239)

Glucose tolerance test

Streptozotocin; T-1095; Phlorizin; Na⁺-glucose cotransporter; Glucose clamp; Glucose transporter; Insulin sensitivity; Insulin secretion (Oku, A. (391) 183)

Glucose transporter

Streptozotocin; T-1095; Phlorizin; Na⁺-glucose cotransporter; Glucose clamp; Glucose tolerance test; Insulin sensitivity; Insulin secretion (Oku, A. (391) 183)

Glucose transporter isotype 4

C2C12 cell; Insulin resistance; YM-126414 (Shimokawa, T. (410) 1)

Glutamate

NMDA receptors; Dizocilpine; Nucleus accumbens; Tail-flick (Millan, M.J. (388) 37)

Acetylcholine; Cholinergic; Interaction; Motivation; Behaviour (Aura, J. (390) 313)

Anxiety; Blood pressure; Heart rate; Kindling; Long-term potentiation; Panic; Social interaction; Sodium lactate (Sajdyk, T.J. (394) 265)

Metabotropic receptor; Mouse (Spooren, W.P.J.M. (397) R1)

Ensaculin; Dopamine; DOPAC (3,4-dihydroxyphenylacetic acid); Microdialysis; Rat (Teismann, P. (398) 247)

RPR 118723; Glycine antagonist; *N*-methyl-D-aspartate (NMDA) receptor-channel complex; TCP binding; Dopamine release (Boireau, A. (401) 131)

Dopamine uptake; Parkinson's disease; NMDA receptor (Page, G. (403) 75)

Acetylcholine; Cannabinoid; Learning; Short-term memory (Han, C.J. (403) 87)

Neurotoxicity; σ Receptor; Phencyclidine site; Cortical culture (Nishikawa, H. (404) 41)

Alcohol withdrawal, human; Delirium tremens; Volume and fluid regulation; ANP (atrial natriuretic peptide) secretion; Withdrawal hyperexcitability, mouse; NMDA (*N*-methyl-D-aspartate) seizure (Kovács, G.L. (405) 103)

Receptor; Metabotropic; Antagonist; 2-Methyl-6-(phenylethynyl)-pyridine (MPEP) (Spooren, W.P.J.M. (406) 403)

Nucleus tractus solitarius; Nitric oxide; Microdialysis (Lin, H.-C. (407) 83)

Cocaine; Cerebellum; Norepinephrine; Purkinje cell; Microiontophoresis; (Rat) (Jiménez-Rivera, C.A. (407) 91)

Diazepam; Flumazenil; (Rat) (Khan, G.M. (407) 139)

Glutamate excitotoxicity

Cerebrocortical neuronal culture; Mitochondrion; Permeability transition pore; Reactive oxygen species; Cyclophilin; Cyclosporin A; Calcineurin; Nitric oxide (NO) synthase; Adenine nucleotide; Poly (ADP-ribose) polymerase (Ruiz, F. (404) 29)

Glutamate receptor

Scopolamine; Muscarinic acetylcholine receptor; Prepulse inhibition; Startle; Apomorphine; Phencyclidine; Dopamine receptor; (Rat) (Jones, C.K. (391) 105)

Glutamate receptor antagonist

Nicotinic receptor, presynaptic; Nicotine; Anatoxin-a; Immunogold electron microscopy; Synaptosome (Wonnacott, S. (393) 51)

Glutamate receptor, metabotropic, group I

Antidepressant; DHPG ((*RS*)-3,5-dihydroxyphenylglycine); Hippocampus; Imipramine (Zahrodna, A. (386) 173)

Glutamate receptor, metabotropic

NS-105; Adenylyl cyclase; Antisense oligodeoxynucleotide, knockdown; Primary neuronal culture (Hirouchi, M. (387) 9)

Amphetamine; LY379268; Motor activity; Stereotypy (Cartmell, J. (400) 221)

Excitatory amino acid; Caudoputamen; Nucleus accumbens; Basal ganglia; Drug of abuse (Mao, L. (404) 289)

Glutamate receptor, Metabotropic

Drug discrimination; Schizophrenia (Schreiber, R. (388) R3)

Glutamate release

ω-Agatoxin IVA-sensitive Ca²⁺ channel; α-Eudesmol; Synaptosome; Microdialysis; Focal ischemia (Asakura, K. (394) 57)

σ Receptor; GABA (γ-aminobutyric acid) release; Synaptosome; Cerebellum (Garrone, B. (400) 35)

Glutamate toxicity

Flupirtine; Retigabine; PC12 cells; Reactive oxygen intermediates; Glutathione (Seyfried, J. (400) 155)

Glutamate transporter

Neuroprotection; Glutamate uptake; Na⁺ current (Shimada, F. (386) 263)

Glutamate uptake

Neuroprotection; Glutamate transporter; Na⁺ current (Shimada, F. (386) 263)

Glutamic acid

mGlu₁ receptor, Arg⁷⁸; Agonist binding; Quisqualic acid; Mutagenesis (Jensen, A.A. (397) 247)

Glutamine

Arginine; Endothelin; Endotoxin; Nitro-arginine (Mitchell, J.A. (389) 209)

Glutathione

Antioxidant; Sleep deprivation; Melatonin; Hypothalamus (D'Almeida, V. (390) 299)

Nerve conduction; Blood flow; K⁺ channel opener; Na⁺, K⁺ ATPase; Oxidative stress; Neuropathy; Diabetic rat (Hohman, T.C. (397) 335)

Antioxidant; Diabetic retinopathy; Lipid peroxidation; Superoxide dismutase (Obrosova, I.G. (398) 139)

Methamphetamine; Oxidative stress (Harold, C. (400) 99)

Flupirtine; Retigabine; Glutamate toxicity; PC12 cells; Reactive oxygen intermediates (Seyfried, J. (400) 155)

Liver, rat; Ischemia–reperfusion; Protective effect; ATP; Bile flow; Antioxidant (Settaf, A. (406) 281)

Glycine

Antidepressant; NMDA receptor; DSP-4; Norepinephrine; Desipramine (Harkin, A. (389) 187)

Glycine antagonist

RPR 118723; Glutamate; *N*-methyl-D-aspartate (NMDA) receptor–channel complex; TCP binding; Dopamine release (Boireau, A. (401) 131)

Glycine/NMDA receptor

Epilepsy; Riluzole; Audiogenic seizure; AMPA (α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid); DBA/2 mouse (De Sarro, G. (408) 25)

Glycine_B receptor

7-Chlorokynurenate; Excitotoxicity; Neuroprotection (Wu, H.-Q. (390) 267)

Glycine receptor

5-HT(5-hydroxytryptamine, serotonin); 5-HT₃ receptor; GABA_A; Nicotinic acetylcholine receptor; Bicuculline (Sun, H. (391) 243)

5-HT₃ receptor antagonist; Potentiation; Interaction; Pharmacophore model; Selectivity (Chesnoy-Marchais, D. (402) 205)

Glycine site

NMDA receptor; Receptor binding; GV150526A (Mugnaini, M. (391) 233)

Glycogenesis

Glucose production, hepatic; Glucose-6-phosphatase; Glucose, blood; Chlorogenic acid derivative (Herling, A.W. (386) 75)

Glycoprotein IIb/IIIa-inhibitor

Smooth muscle cell, Vascular; Endothelial cell; Integrin; Vitronectin; (Human) (Kintscher, U. (390) 75)

Glycoprotein IIb/IIIa receptor

TA-993; Platelet; ADP; Actin polymerization; Ca²⁺, intracellular (Katoh, M. (399) 91)

18 α -Glycyrrhetic acid

Mesenteric artery, rat; Endothelium; Levromakalim; Hyperpolarisation; Carbachol (White, R. (397) 279)

Endothelium-derived hyperpolarizing factor (EDHF); Ouabain; Gap junctions; K⁺; Endothelium (Harris, D. (402) 119)

Glycyrrhizin

Fas; Hepatitis (Okamoto, T. (387) 229)

Goblet cell hypersecretion

Neutrophil elastase inhibitor; Ozone-exposure; Mucus score (Nogami, H. (390) 197)

Gonadectomy, adult

Pain; Antinociception; Sex difference; β -Endorphin (Krzanowska, E.K. (392) 157)

Gpp(NH)p shift

Affinity; Intrinsic activity; Efficacy; 5-HT_{1A} receptor ligand; S-14506; Dihydroergotamine (Assié, M.-B. (386) 97)

G protein

δ -Opioid receptor; μ -Opioid receptor; μ -Opioid receptor-knockout mice; Antinociception; Opioid drug (Hosohata, Y. (388) 241)

Fluoroquinolone; Histamine release; Mast cell (Mori, K. (394) 51)

Pancreastatin receptor; Signaling; Phospholipase C; MAPK; HTC cell; Insulin resistance (Sánchez-Margalet, V. (397) 229)

Signal transduction; α_2 -Adrenoceptor; G protein coupled receptor; Second messenger; 5-HT receptor; 5-HT_{1A} receptor (Happe, H.K. (399) 17)

Nociceptin; Inflammatory response; Histamine; Mast cell; ORL₁ receptor; (Rat) (Kimura, T. (407) 327)

G-protein

[³⁵S]GTP γ S autoradiography; 5-HT_{1A} receptor; GABA_B receptor; Anxiolytic; Antidepressant (Sim-Selley, L.J. (389) 147)

[³⁵S]GTP γ S binding; Brain, human; α_2 -Adrenoceptor; 5-HT_{1A} receptor; μ -Opioid receptor (González-Maeso, J. (390) 25)

μ -Opioid receptor; δ -Opioid receptor; [³⁵S]GTP γ S binding; Collision-coupling model; Compartmentalization (Remmers, A.E. (396) 67)

Salmeterol; Benzalkonium chloride; Mast cell; β_2 -Adrenoceptor; Asthma (Seebeck, J. (397) 19)

μ -Opioid receptor; Antinociception; Pons/medulla; Diabetes (Ohsawa, M. (401) 55)

Opioid; Diabetes mellitus; Antinociception; μ -Opioid receptor; δ -Opioid receptor (Pieper, G.M. (401) 375)

G protein-coupled receptor

Dopamine; Palmitoylation; Phosphorylation; Desensitization; Adenyl cyclase (Jin, H. (386) 305)

α_2 -Adrenoceptor; Agonist, Inverse; RX821002; MK-912; GTP; Rauwolsine (Murrin, L.C. (398) 185)

Dopamine D₄ receptor; Structure; Pharmacology; Signaling; Physiology; Genetics (Oak, J.N. (405) 303)

G-protein coupled receptor

RNA-mediated interference; *npr-1* (Gomes, A.V. (397) R3)

Chemokine; Receptor coupling; HIV (human immunodeficiency virus) (Di Salvo, J. (409) 143)

G protein coupled receptor

Signal transduction; G protein; α_2 -Adrenoceptor; Second messenger; 5-HT receptor; 5-HT_{1A} receptor (Häppe, H.K. (399) 17)

G protein-coupled receptor kinase

CGRP receptor, porcine, cloned; Homologous desensitization; CGRP (calcitonin gene-related peptide); Ro 32-0432; Antisense oligonucleotide (Aiyar, N. (403) 1)

G_s protein, coupling

β_2 -Adrenoceptor; Neutrophil; Depression, major; Anxiety; Antidepressant, tricyclic (Gurguis, G.N.M. (386) 135)

G protein γ_2 subunit

DPDPE (c[D-Pen²,D-Pen⁵]enkephalin); Antinociception (Hosohata, K. (392) R9)

G protein receptor kinases

α_1 -Adrenoceptor; Receptor phosphorylation; Protein kinase C; Phosphatidylinositol 3-kinase; Desensitization (García-Sáinz, J.A. (389) 1)

GR127935

5-HT_{1B/D} receptor; Locomotor activity; SKF99101H; WAY100635; (Guinea pig) (O'Neill, M.F. (399) 49)

GR125743

Coronary artery; Eletriptan; Middle meningeal artery; Migraine; Sphenous vein; Serotonin; Sumatriptan; (Human) (Van den Broek, R.W.M. (407) 165)

Granule cell

GABA (γ -aminobutyrate); Caged compound; Synaptic inhibition; Hippocampus; GABA_A receptor (Molnár, P. (391) 255)

Granuloma

Chymase; Mast cell; Angiogenesis; Compound 48/80 (Muramatsu, M. (402) 181)

Grepafloxacin

Fluoroquinolones; Sparfloxacin; Moxifloxacin; Ciprofloxacin; Purkinje fibre; Cardiac action potential; (Canine) (Patmore, L. (406) 449)

Grooming

Antidepressant drug; Desipramine; Locomotor activity; Mesolimbic dopamine system; Open field; Restraint stress; Chronic mild stress (D'Aquila, P.S. (399) 43)

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Peptide-receptor interaction; Avoidance; Food intake; Pain (Adan, R.A.H. (405) 13)

Grooming, Novelty-induced

Low dose; Prolactin; Sexual behavior, Male; Sexual behavior, Female (Drago, F. (405) 131)

Growth

Nitric oxide (NO); Nitric oxide (NO) synthases; Vanadium; Osteoblast differentiation; Bone; Cytotoxicity (Cortizo, A.M. (400) 279)

Growth factor gene expression

Taurine; Angiotensin II; Cell size; Fetal gene expression; Protein kinase C (Azuma, M. (403) 181)

GTP

α_2 -Adrenoceptor; Agonist, Inverse; G protein-coupled receptor; RX821002; MK-912; Rauwolsine (Murrin, L.C. (398) 185)

Ribavirin; Ras; Raf-1; Cell cycle; Heat shock; Extracellular signal-regulated protein kinase (Vallée, S. (404) 49)

GTPase

σ Receptor; (+)Pentazocine; Haloperidol; Cerebellum; [³⁵S]GTP γ S autoradiography (Hong, W. (408) 117)

GTP γ [³⁵S]

5-HT_{1A} receptor; Brain, human; Antipsychotic drug; Clozapine; Quetiapine (Elliott, J. (386) 313)

GTP γ S

Nociceptin; Orphanin FQ; ORL1; Opioid; Opioid receptor (Hawkinson, J.E. (389) 107)

GTS-21

4OH-GTS-21; $\alpha 7$ Receptor-selective agonist (Papke, R.L. (393) 179)

Guanidinoethyl sulfonate

Amino acid; Dopamine; Microdialysis; (Rat) (Olive, M.F. (409) 291)

Guanylate cyclase

Zaldaride maleate; Calmodulin; Adenylate cyclase; Ion secretion (Aikawa, N. (394) 233)

Umbilical artery, human; 5-HT (5-hydroxytryptamine, serotonin); Nicorandil; ATP-sensitive, K⁺ channels; SIN-1 (3-Morpholinodisodimide); Glibenclamide; ODQ ([1-*H*-(1,2,4) Oxadiazole (4,3-*a*) quinoxalin-1-one]); Temperature (Tiritilli, A. (406) 79)

Nitric oxide (NO); Ambroxol (Severina, I.S. (407) 61)

Guanylyl cyclase

β -Adrenoceptor; β -Adrenoceptor, atypical; Endothelium; Nitric oxide (NO); Smooth muscle, vascular (Brawley, L. (398) 285)

Guanylyl cyclase, soluble

Superoxide anion; Aorta; Renin-angiotensin system; Hypertension (Jacke, K. (403) 27)

GV150526A

NMDA receptor; Glycine site; Receptor binding (Mugnaini, M. (391) 233)

GYKI 52466

2,3-Benzodiazepine; Anticonvulsant; Epilepsy; Hippocampus; Brain slice; Epileptiform bursting (Marinelli, S. (391) 75)

GYKI 53784

AMPA receptor; Purkinje cell; Aniracetam; Cyclothiazide; 1-BCP; BDP-12 (Kapus, G. (397) 43)

H-89

TGF- α (transforming growth factor- α); TGF- β 1 (transforming growth factor- β 1); 2,4-Dideoxyadenosine; Somatostatin; Hepatocyte proliferation (Kimura, M. (386) 271)

Protein kinase A; Rp-cAMPS; Mitogenesis (Osinski, M.T. (395) 173)

Haemoxygenase

Ozone; Carbon monoxide (CO); Neutrophil; Bronchial hyperresponsiveness (Hisada, T. (399) 229)

Haloperidol

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Catalepsy; Dopamine D₂ receptor; Dopamine D₃ receptor; Knock-out mice; SCH 23390 (Boulay, D. (391) 63)

Clozapine-induced potentiation; NMDA receptor; MK-801; Long-term potentiation; Perforant path–dentate gyrus pathway (Kubota, T. (395) 37)

Clozapine; Ritanserin; Ascorbic acid; Ethanol; Microdialysis; (Rat) (Liu, W. (398) 333)

σ Receptor; Neuroleptic; Dystonia; Extrapyramidal (Matsumoto, R.R. (401) 155)

σ Receptor; σ_1 Receptor mRNA; [³H]DTG ([³H]1,3-di (2-tolyl) guanidine); [³H](+)-Pentazocine; Species difference (Inoue, A. (401) 307)

Tyrosine hydroxylase; Substantia nigra; Immunohistochemistry; Antioxidant; (Rat) (Besret, L. (408) 35)

σ Receptor; (+)Pentazocine; Cerebellum; GTPase; [³⁵S]GTP γ S autoradiography (Hong, W. (408) 117)

Harman

Vasorelaxant; Endothelium; Nitric oxide (NO) (Shi, C.-C. (390) 319)

HCL-31D, platelet aggregation

cAMP; Thromboxane B₂; Phosphoinositide breakdown (Chou, T.-C. (387) 125)

Healing-impaired, mouse

Wound healing accelerator; Cyclic peptide; SEK-1005; TGF- β 1 (transforming growth factor- β 1) inducer (Abe, Y. (408) 213)

Heart

Thiazolidinedione; Hemodynamics; Coronary vasorelaxant; Prostaglandin (Uchida, K. (400) 113)

Mitoxantrone; Anti-muscarinic action; (Guinea pig) (Chugun, A. (407) 183)

Long QT syndrome; K⁺ channel; Pharmacogenetics (Escande, D. (410) 281)

Heart failure

γ -Butyrobetaine hydroxylase inhibitor; Survival rate; Ventricular remodeling; Cardiac functional adaptability; High-energy phosphate (Hayashi, Y. (395) 217)

Collagen; Hypertrophy; Moxonidine; Sympathetic activation; (Rat) (Van Kerckhoven, R. (397) 113)

Ca²⁺-sensitizer; Inotropic agent; Hemodynamics; Excitation–contraction coupling; Diastolic dysfunction (Janssen, P.M.L. (404) 191)

Heart, isolated

Adrenomedullin; Myocyte; Papillary muscle; Ca²⁺ transient; (Rat) (Stangl, V. (408) 83)

Heart, isolated, rat

Diltiazem; Coronary flow; Ischemia; Microsphere; Reperfusion (Katsumata, N. (398) 83)

Heart lesion

N^ω-nitro-L-arginine methyl ester; Ventricular hypertrophy; Stereology (De Oliveira, C.F. (391) 121)

Heart, Rat

Contractile function; Carnitine palmitoyltransferase I inhibition; Eto-moxir; Hypertrophy; Infarct size (Günther, J. (406) 123)

Heart, rat

Preconditioning; CGRP (calcitonin gene-related peptide); TNF- α (tumor necrosis factor- α); Glibenclamide (Peng, J. (407) 303)

Heart rate

Ketamine; Ondansetron; 5-HT (5-hydroxytryptamine, serotonin); Electrocardiography; Fractal (DePetrillo, P.B. (391) 113)

Anxiety; Blood pressure; Glutamate; Kindling; Long-term potentiation; Panic; Social interaction; Sodium lactate (Sajdyk, T.J. (394) 265)

Opiate; Dependence, acute; Gender difference; Cardiovascular system; Blood pressure; Rat, spinal (Cruz, S.L. (397) 121)

Heat shock

Ribavirin; Ras; Raf-1; Cell cycle; Extracellular signal-regulated protein kinase; GTP (Vallée, S. (404) 49)

Heat shock protein

Brain; Cerebral ischemia; Ischemic tolerance; Preconditioning; Lipopolysaccharide; Nitric oxide (NO); Nitric oxide synthase (NOS); Nitro-L-arginine methyl ester; (Rat) (Puisieux, F. (389) 71)

HEK 293 cell

CGRP (calcitonin gene-related peptide); ERK (extracellular signal-regulated kinase); P38; Forskolin (Parameswaran, N. (389) 125)

5-HT₃ receptor; 5-HT₃ receptor agonist; 5-HT₃ receptor antagonist; Ligand-gated ion channel; (Ferret) (Mochizuki, S. (399) 97)

HEK293 cell

Melatonin receptor; cAMP response element; Luciferase; Reporter gene assay (Conway, S. (390) 15)

Ca²⁺ channel; Recombinant; Pharmacology (McNaughton, N.C.L. (407) 53)

HeLa cell

Endothelin ET_A receptor; Endothelin ET_B receptor; Fibroblast; (Human) (Drimal, J. (396) 19)

Helicobacter pylori

NSAID; Prostaglandin; Cyclooxygenase; Gastric ulceration (Takahashi, S. (406) 461)

Hematopoietic

Stem cell; Differentiation; Central nervous system (Mezey, É. (405) 297)

Hemodynamics

Thiazolidinedione; Heart; Coronary vasorelaxant; Prostaglandin (Uchida, K. (400) 113)

Ca²⁺-sensitizer; Inotropic agent; Heart failure; Excitation–contraction coupling; Diastolic dysfunction (Janssen, P.M.L. (404) 191)

Hemoglobin

Angiogenesis; S-nitrosocaptopril; Captopril; Nitric oxide (NO); Capillary endothelium; Chorioallantoic membrane; Chick embryo (Jia, L. (391) 137)

Hemophilia A

Blood coagulation control; Antithrombin consumption; Thrombin–anti-thrombin complex; Factor Xa/antithrombin complex; Protein SV-IV (Di Micco, B. (391) 1)

Hemostasis

Endothelial factor; Nitric oxide (NO); Platelet; Thrombosis (Momi, S. (397) 177)

Heparin

Antithrombotic; Coagulation factor Xa; Thrombin; (In vivo) (Heran, C. (389) 201)

Intragastric administration; Gastric ulcer healing; Nitric oxide (NO) synthase, Constitutive; Proliferation; Regeneration; Angiogenesis (Li, Y. (399) 205)

Hepatic ischemia / reperfusion

ATP–MgCl₂; Mitochondrial energy metabolism; Mitochondrial enzyme; Lipid peroxidation (Jeong, C. (403) 243)

Hepatitis

Fas; Glycyrrhizin (Okamoto, T. (387) 229)

Concanavalin A; Cytochrome P450 (Okamoto, T. (394) 157)

Concanavalin A; Aminoguanidine (Okamoto, T. (396) 125)

Anti-Fas antibody; Aminoguanidine (Okamoto, T. (403) 277)

Hepatocyte

Ethanol; Acetaldehyde; MAPK (mitogen-activated protein kinase); Angiotensin II (Weng, Y.-I. (398) 323)

DNA synthesis; Proliferation; Prostaglandin; Primary culture; (Adult rat) (Kimura, M. (404) 259)

Troglitazone; Fructose 2,6-bisphosphate; Insulin; Thiazolidinedione (Raman, P. (409) 19)

Hepatocyte proliferation

TGF- α (transforming growth factor- α); TGF- β 1 (transforming growth factor- β 1); 2,4-Dideoxyadenosine; Somatostatin; H-89 (Kimura, M. (386) 271)

Hepatocyte, rat

Lead; Lipopolysaccharide; Kupffer cell; Coculture; TNF- α (tumor necrosis factor- α); Nitric oxide (NO); Nitric oxide (NO) synthase, inducible (Milosevic, N. (401) 317)

Herbal drug

Sesquiterpene; Ca²⁺ channel blocker; Smooth muscle (Irie, K. (403) 235)

Herbimycin A

Insulin; Primary culture of hepatocyte; Tyrosine phosphorylation; cAMP phosphodiesterase; Microtubule; Wortmannin (Ishibashi, K. (409) 109)

HERG

QT-prolongation; Fluoroquinolones; Patch-clamp technique (Bischoff, U. (406) 341)

HERG (human ether-a-go-go-related gene)

K⁺ channel; Pimozide; Arrhythmia; Antipsychotic agent (Kang, J. (392) 137)

Heroin

Opiate; Addiction; Genetic; Pharmacogenomics; Candidate gene (Lichtermann, D. (410) 269)

Hexarelin

Penile erection; EP 60761; EP 50885; Oxytocin; Nitric oxide (NO); Paraventricular nucleus; (Rat) (Melis, M.R. (404) 137)

HgCl₂

LL-Z1640-2; Radicol; Mitogen-activated protein kinases; c-Jun N-terminal kinase (Matsuoka, M. (409) 155)

HGF (hepatocyte growth factor)

Gastric mucin biosynthesis; HGF receptor; (Rat) (Ichikawa, T. (392) 87)

HGF receptor

HGF (hepatocyte growth factor); Gastric mucin biosynthesis; (Rat) (Ichikawa, T. (392) 87)

5-HIAA (5-hydroxyindole-3-acetic acid)

5-HT (5-hydroxytryptamine, serotonin); 5-Hydroxytryptophol; Dopamine; Noradrenaline; Ataxia, cerebellar (Reader, T.A. (398) 41)

High-density lipoprotein

Endothelium-dependent relaxation; Very low-density lipoprotein; Low-density lipoprotein; Oxysterol (Perségo, L. (406) 429)

High-energy phosphate

γ -Butyrobetaine hydroxylase inhibitor; Heart failure; Survival rate; Ventricular remodeling; Cardiac functional adaptability (Hayashi, Y. (395) 217)

High-performance liquid chromatography

Cannabinoid; Anandamide; Fatty acid ethanolamides; Mass spectrometry; Anandamide transport (Giuffrida, A. (408) 161)

Hindered phenol

BHA (3-*t*-butyl-4-hydroxyanisole); Ca²⁺ homeostasis (Fusi, F. (394) 109)

Hippocampal brain membrane, porcine

NMDA receptor; σ site; [³H]Ifenprodil; [³H]MK-801 (Höfner, G. (394) 211)

Hippocampal neuron

Veratridine; Swelling; Death; Na⁺ channel; Ca²⁺ channel (Okuyama, K. (398) 209)

Neuropathy; Colorectal cancer; Dorsal root ganglia; Sural nerve (Adelsberger, H. (406) 25)

Hippocampal slice

ATP; Electrical signal; Optical recording; Adenosine receptor (Sato, K. (399) 123)

Hippocampus

Antidepressant; DHPG ((*RS*)-3,5-dihydroxyphenylglycine); Glutamate receptor, metabotropic, group I; Imipramine (Zahorodna, A. (386) 173)

Electrophysiology; Epileptiform activity; Na⁺ current; *Aconitum* alkaloid (Ameri, A. (386) 187)

Stress; Nicotine; Dopamine; Striatum; (Rat) (Pawlak, R. (387) 171)

5-HT_{1A} receptor; EEDQ; [³⁵S]GTPγS binding assay; Cortex; Receptor reserve; Spare receptor (Alper, R.H. (390) 67)

Kainate; Excitotoxicity; Cyclooxygenase-2; Nimesulide; Oxidative stress (Candelario-Jalil, E. (390) 295)

GYKI 52466; 2,3-Benzodiazepine; Anticonvulsant; Epilepsy; Brain slice; Epileptiform bursting (Marinelli, S. (391) 75)

GABA (γ-aminobutyrate); Caged compound; Synaptic inhibition; Granule cell; GABA_A receptor (Molnár, P. (391) 255)

Anandamide; Food intake; Diet restriction; Cognitive function; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

Choline; Interneuron; Nicotinic receptor; Excitation; Methyllycaconitine; GABA (γ-aminobutyric acid) (Alkondon, M. (393) 59)

AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazole propionic acid); AMPA receptor modulator; Cortex (Black, M.D. (394) 85)

γ-Hydroxybutyrate; Cerebral ischemia; Immunohistochemistry; Sensory-motor test; Spatial learning (Vergoni, A.V. (397) 75)

5-HT (5-hydroxytryptamine, serotonin); Kindling; Seizure (Watanabe, K.-i. (398) 239)

NMDA (*N*-methyl-D-aspartate); Quinolinic acid; Kynurenine; Long-term potentiation; NMDA receptor subunit (Youssef, F. (398) 349)

Clomethiazole; Chlormethiazole; Spreading depression; Hypoxia; Neuroprotection (Stone, T.W. (399) 29)

GABA_A/benzodiazepine receptor; Olfactory bulb; Ligand affinity; Receptor heterogeneity; α subunit (Lameh, J. (400) 167)

AMPA receptor; S18986-1; Noradrenaline release; Allosteric modulator (Lockhart, B. (401) 145)

Acetylcholine; HU 210; Microdialysis; Cortex, prefrontal; SR 141716A; WIN 55, 212-2 (Acquas, E. (401) 179)

5-HT_{1A} receptor agonist; Flesinoxan; Glucocorticoid receptor; Mineralocorticoid receptor; Dorsal raphe nucleus (Sibug, R.M. (404) 111)

BIIE0246; Neuropeptide Y; Neuropeptide Y Y₂ receptor (Weiser, T. (404) 133)

Vasopressin; Memory process (Alescio-Lautier, B. (405) 63)

Vasopressin; Norepinephrine; Neuromodulation; Associative memory mechanism (Brinton, R.D. (405) 73)

Adenosine; Chloroadenosine; Interneuron; Afterhyperpolarization (Li, H. (407) 237)

Purine; Adenosine; ATP; Nucleotide; Suramin; Long-term potentiation (O'Kane, E.M. (409) 159)

Hippocampus, dorsal

Nicotine; 5-HT_{1A} receptor; Anxiety; Phobia; Septum, lateral (File, S.E. (393) 231)

Hippocampus, rat

Estrogen; Non-genomic effect; ERK (extracellular signal-regulated kinase) (Kuroki, Y. (400) 205)

Hippocampus, ventral

Microdialysis; 5-Hydroxytryptamine, serotonin (5-HT); Citalopram; 5-Hydroxytryptamine, serotonin (5-HT) reuptake inhibitor, selective (Cremers, T.I.F.H. (397) 63)

Histamine

Blood-brain barrier; Brain edema; Cerebral ischemia-reperfusion; Intracellular histamine binding site; DPPE (*N,N*-diethyl-2-[4-(phenylmethyl)phenoxy]ethanamine) (Deli, M.A. (387) 63)

Histamine H₁ receptor; Pain perception; Somatic pain; Visceral pain; Gene targeting (Mobarakeh, J.I. (391) 81)

Enterochromaffin-like cell; Mast cell; Rabeprazole; Mast cell-deficient, rat (Nakamura, S. (394) 9)

Food intake; Hypothalamus; Leptin; *Tele*-methylhistamine; (Intracerebroventricular infusion) (Lecklin, A. (395) 113)

Phospholipase C; Chromaffin cell; Ca²⁺; Inositol phospholipid; Adrenal medulla (Roberts-Thomson, E.L. (398) 199)

Substance P; TNF-α (tumor necrosis factor-α); Dexamethasone; MAP (mitogen-activated protein) kinase; Skin (Okabe, T. (398) 309)

α-Fluoromethylhistidine; Gastrin; Histidine decarboxylase; Microdialysis in vivo; ECL cell; Secretory vesicle; Stomach (Norlén, P. (400) 1)

Scratching behavior; Immunoglobulin E; Anaphylaxis, passive cutaneous; Substance P; Histamine H₁ receptor; Oxatomide; Epinastine; Cetirizine; Terfenadine; (Mouse) (Inagaki, N. (400) 73)

Apomorphine; Licking behavior; (Rat) (Farzin, D. (404) 169)

Emedastine difumarate; Itch-associated response; Substance P; Leukotriene B₄; 5-HT (5-hydroxytryptamine, Serotonin) (Andoh, T. (406) 149)

Histamine release; Microdialysis; Veratrine; Ouabain (Washington, B. (407) 117)

Nociceptin; Inflammatory response; Mast cell; G protein; ORL₁ receptor; (Rat) (Kimura, T. (407) 327)

Allergic conjunctivitis; Vascular permeability; Histamine H₁ receptors; 5-HT (5-hydroxytryptamine, serotonin) (Nakahara, H. (409) 313)

Pre-eclampsia; Nitric oxide (NO); Endothelium; ANP (atrial natriuretic peptide); (Human) (Suzuki, Y. (410) 7)

Compound 48/80; Connective tissue mast cell; Mast cell-deficient (Ws/Ws) rat; Tracheal contraction; 5-HT (5-hydroxytryptamine, serotonin) (Ikawati, Z. (420) 297)

Histamine H₁ receptor

Constitutive activity; Inverse agonism (Bakker, R.A. (387) R5)

Pain perception; Histamine; Somatic pain; Visceral pain; Gene targeting (Mobarakeh, J.I. (391) 81)

Scratching behavior; Immunoglobulin E; Anaphylaxis, passive cutaneous; Substance P; Histamine; Oxatomide; Epinastine; Cetirizine; Terfenadine; (Mouse) (Inagaki, N. (400) 73)

Histamine H₃ receptor

Acetylcholine release; Stomach; Pertussis toxin (Yokotani, K. (392) 23)

Histamine H₁ receptors

Allergic conjunctivitis; Vascular permeability; 5-HT (5-hydroxytryptamine, serotonin); Histamine (Nakahara, H. (409) 313)

Histamine release

Fluoroquinolone; Mast cell; G protein (Mori, K. (394) 51)

Histamine; Microdialysis; Veratrine; Ouabain (Washington, B. (407) 117)

Histidine decarboxylase

Bafilomycin A₁; α -Fluoromethylhistidine; Reserpine; Vacuolar-type ATPase; Vesicular monoamine transporter (Lindström, E. (387) 19)

α -Fluoromethylhistidine; Gastrin; Histamine; Microdialysis in vivo; ECL cell; Secretory vesicle; Stomach (Norlén, P. (400) 1)

Histochemistry

Neurotoxicity; Cytochrome oxidase; Amphetamine; Energy metabolism (Burrows, K.B. (398) 11)

HIV (human immunodeficiency virus)

Chemokine; G-protein coupled receptor; Receptor coupling (Di Salvo, J. (409) 143)

HMR1883

I_{K,ATP}; Glibenclamide; Sulfonylurea; Cardiac ischemia; Dispersion; Arrhythmia; Sulfonylurea (Dhein, S. (398) 273)

hnRNP K

Acetylcholine receptor; Sox protein; Sp1; Transcriptional regulation (Melnikova, I.N. (393) 75)

Hoe 140

Vas deferens, rat; Bradykinin; Bradykinin receptor; Antagonism, insurmountable (Asghar, A.U.R. (398) 131)

Homeobox gene

Neuropeptide; Vasopressin; Corticotropin-releasing hormone; Dopamine; Transcription factors; Development (Burbach, J.P.H. (405) 55)

Homologous desensitization

CGRP receptor, porcine, cloned; G protein-coupled receptor kinase; CGRP (calcitonin gene-related peptide); Ro 32-0432; Antisense oligonucleotide (Aiyar, N. (403) 1)

Hormonal control

Endothelial receptor, luminal; ATP; Purinoceptor; Endothelial mediator; Cardiac function control (Zenteno-Savin, T. (410) 15)

Hormone-sensitive lipase, cAMP

Ethanol withdrawal; Adipose tissue; Phosphodiesterase (Shih, M.-F. (409) 223)

Hotplate

Opioid analgesia; U69,593; Sex differences; Lick latency; (Rat) (Van Haaren, F. (408) 153)

Hot plate test

NT(8–13); NT69L (Tyler-McMahon, B.M. (390) 107)

Hot-plate test

Baclofen; Imipramine; Ligation; (Mouse) (Zarrindast, M.-R. (407) 65)

HTC cell

Pancaeastatin receptor; Signaling; G protein; Phospholipase C; MAPK; Insulin resistance (Sánchez-Margalet, V. (397) 229)

HT29 cell

Adenosine receptor; Colon adenocarcinoma; Adenosine deaminase; Epithelial differentiation (Lelièvre, V. (391) 21)

5-HT (5-hydroxytryptamine, serotonin)

Methamphetamine; 3-Nitropropionic acid; Neurotoxicity; Dopamine; Aromatic L-amino acid decarboxylase; Motor behaviour (Eradiri, O.L. (386) 217)

Antipsychotic; Neuroleptic; 5-HT_{2C} receptor; mCPP-(3-chlorophenyl)-piperazine; Behavior; Hypolocomotion; Hypophagia; Locomotor activity; Food intake (Prinssen, E.P.M. (388) 57)

Nicotinic acetylcholine receptor; Photoaffinity labeling; Antagonist, non-competitive; Antagonist, competitive (Blanton, M.P. (389) 155)

Ketamine; Ondansetron; Heart rate; Electrocardiography; Fractal (DePetrillo, P.B. (391) 113)

5-HT₃ receptor; glycine receptor; GABA_A; Nicotinic acetylcholine receptor; Bicuculline (Sun, H. (391) 243)

Momordin Ic; Gastrointestinal transit; 5-HT₂ receptor; Prostaglandin (Li, Y. (392) 71)

Chronic treatment; Microdialysis; (Rat) (Cremers, T.I.F.H. (397) 351)

5-HIAA (5-hydroxyindole-3-acetic acid); 5-Hydroxytryptophol; Dopamine; Noradrenaline; Ataxia, cerebellar (Reader, T.A. (398) 41)

Kindling; Hippocampus; Seizure (Watanabe, K.-i. (398) 239)

α -Methyl-5-hydroxytryptamine; Vasoconstrictor effect; Mesenteric blood flow; 5-HT_{2B/2C} receptor (Fernández, M.M. (401) 221)

Nitric oxide (NO); 8-OH-DPAT (8-hydroxy-2-di-*n*-(propylamino)tetralin); Food intake; N^G-nitro-L-arginine methyl ester (L-NAME); Hypothalamus (Yamada, J. (402) 247)

Paroxetine; Tianeptine; Frontal cortex; Raphe nuclei; Microdialysis, in vivo (Malagié, I. (403) 55)

Umbilical artery, human; Nicorandil; ATP-sensitive, K⁺ channels; SIN-1 (3-Morpholinomethylsydnimine); Guanylate cyclase; Glibenclamide; ODQ ([1-*H*-(1,2,4) Oxadiazole (4,3-*a*) quinoxalin-1-one]); Temperature (Tiritilli, A. (406) 79)

Emedastine difumarate; Itch-associated response; Substance P; Histamine; Leukotriene B₄ (Andoh, T. (406) 149)

mCPP (*m*-chlorophenylpiperazine); Glucagon; 5-HT_{2C/2B} receptor; Adrenaline (Yamada, J. (406) 153)

Leptin; 5-HTP (5-Hydroxytryptophan); Benserazide; (Mouse) (Yamada, J. (406) 159)

Phosphatidylinositol-3-kinase; Wortmannin; Adenosine; Methacholine; Bronchoconstriction; Active sensitisation; Ovalbumin; Brown Norway, rat (Tigani, B. (406) 469)

Paroxetine; Desipramine; Microdialysis; Noradrenaline (Hajós-Korcsok, É. (407) 101)

Endothelin-1; Basilar artery; Hypocapnia; Isocapnia; Alkaline (Zucarello, M. (407) 191)

Pulmonary supernumerary artery; 5-HT_{ID}-like receptor (Shaw, A.M. (408) 69)

Chronic pain; Spinal cord; Paw pressure test; (Rat) (Bardin, L. (409) 37)

Allergic conjunctivitis; Vascular permeability; Histamine H₁ receptors; Histamine (Nakahara, H. (409) 313)

Pharmacogenetics; Tryptophan hydroxylase; 5-HT receptor; 5-HT (5-hydroxytryptamine, serotonin) transporter; Monoamine oxidase; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective; Clozapine (Veenstra-VanderWeele, J. (410) 165)

Compound 48/80; Connective tissue mast cell; Mast cell-deficient (Ws/Ws) rat; Tracheal contraction; Histamine (Ikawati, Z. (420) 297)

5-HT (5-hydroxytryptamine, serotonin) depletion

Neuroleptic; Antipsychotic; Catalepsy; Extrapyramidal side-effect; Dopamine D₂-like receptor; 5-HT_{1A} receptor; *p*-Chlorophenylalanine; Nemonapride; Raclopride; WAY 100635 (Prinssen, E.P.M. (395) 143)

5-HT (5-Hydroxytryptamine serotonin)

Desensitization; Serum; T₈₄ cell (Burleigh, D. (390) 103)

5-HT receptor; FLIPR (fluorescent imaging plate reader); Fluorescence; Meta-chlorophenylpiperazine; 8-OH-DPAT (8-hydroxy-*N,N*-dipropylaminotetralin) (Wood, M. (396) 1)

Microdialysis; Citalopram; Hippocampus, ventral; 5-Hydroxytryptamine, serotonin (5-HT) reuptake inhibitor, selective (Cremers, T.I.F.H. (397) 63)

Endothelium; Diabetes; Nitric oxide (NO); Carotid artery (Miranda, F.J. (401) 397)

Endothelial cell, rat; Protein kinase C; [³H]Phorbol 12,13-dibutyrate binding; Trypsin-treated protein kinase C activity; cAMP; cGMP (Lee, H.-Z. (403) 195)

5-HT (5-hydroxytryptamine, serotonin) uptake

Chronic hypoxia; Pulmonary hypertension; Lung, rat (Jeffery, T.K. (396) 137)

5-HT (5-hydroxytryptamine, serotonin) transporter

MDMA (3,4-methylenedioxymethamphetamine); Egr-1 (zif-268); Immediate-early gene (Shirayama, Y. (402) 215)

5-HT_{2A} receptor; Nefazodone (Pullar, I.A. (407) 39)

Pharmacogenetics; 5-HT (5-hydroxytryptamine, serotonin); Tryptophan hydroxylase; 5-HT receptor; Monoamine oxidase; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective; Clozapine (Veenstra-VanderWeele, J. (410) 165)

5-HT (5-hydroxytryptamine, serotonin) transport

5-HT receptor; Brush border membrane; Jejunum, rabbit (Alcalde, A.I. (403) 9)

5-HT (5-hydroxytryptamine, serotonin) release

5-HT_{1B/D} receptor; Psychiatric disorder; 5-HT (5-hydroxytryptamine, serotonin) synthesis; Depression; Anxiety; Obsessive compulsive disorder; Desensitisation; Supersensitive; Target (Moret, C. (404) 1)

Microdialysis, in vivo; 5-HT_{1A} receptor; WAY 100635 (Assié, M.-B. (409) 173)

5-HT (5-hydroxytryptamine, serotonin) syndrome

Venlafaxine; WAY 100635; 5-HT(5-hydroxytryptamine, serotonin); 5-HT_{1A} autoreceptor; Dorsal raphe nucleus; (Cat) (Bjorvatn, B. (404) 121)

5-HT (5-hydroxytryptamine, serotonin) synthesis

5-HT_{1B/D} receptor; Psychiatric disorder; 5-HT (5-hydroxytryptamine, serotonin) release; Depression; Anxiety; Obsessive compulsive disorder; Desensitisation; Supersensitive; Target (Moret, C. (404) 1)

5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective

Microdialysis; 5-Hydroxytryptamine, serotonin (5-HT); Citalopram; Hippocampus, ventral (Cremers, T.I.F.H. (397) 63)

Pharmacogenetics; 5-HT (5-hydroxytryptamine, serotonin); Tryptophan hydroxylase; 5-HT receptor; 5-HT (5-hydroxytryptamine, serotonin) transporter; Monoamine oxidase; Clozapine (Veenstra-VanderWeele, J. (410) 165)

Conditioned place preference; Amitriptyline; Antidepressant (Subhan, F. (408) 257)

5-HT_{ID}-like receptor

Pulmonary supernumerary artery; 5-HT (5-hydroxytryptamine, serotonin) (Shaw, A.M. (408) 69)

5-HTP (5-hydroxy-L-tryptophan)

Naltrexone; Ethanol; L-DOPA (L-3,4-dihydroxyphenylalanine); Firing rate (Inoue, H. (406) 375)

5-HTP (5-Hydroxytryptophan)

Leptin; 5-HT (5-hydroxytryptamine, serotonin); Benserazide; (Mouse) (Yamada, J. (406) 159)

5-HT receptor

Cerebral ischemia; 8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)-tetralin); Stereology; (Rat) (Torup, L. (395) 137)

5-HT (5-Hydroxytryptamine serotonin); FLIPR (fluorescent imaging plate reader); Fluorescence; Meta-chlorophenylpiperazine; 8-OH-DPAT (8-hydroxy-*N,N*-dipropylaminotetralin) (Wood, M. (396) 1)

Signal transduction; G protein; α_2 -Adrenoceptor; G protein coupled receptor; Second messenger; 5-HT_{1A} receptor (Happe, H.K. (399) 17)

5-HT (5-hydroxytryptamine, serotonin) transport; Brush border membrane; Jejunum, rabbit (Alcalde, A.I. (403) 9)

Saphenous vein; In vivo; Adrenoceptor; (Rabbit) (Vayssettes-Courchay, C. (408) 277)

cAMP accumulation; Vasoconstriction (Bou, J. (410) 33)

Pharmacogenetics; 5-HT (5-hydroxytryptamine, serotonin); Tryptophan hydroxylase; 5-HT (5-hydroxytryptamine, serotonin) transporter; Monoamine oxidase; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective; Clozapine (Veenstra-VanderWeele, J. (410) 165)

5-HT_{1A} receptor

Electrophysiology; Antidepressant; α_2 -Adrenoceptor; Tyramine; Norepinephrine transporter; Pyridobenzoazepine (Liégeois, J.-F. (386) 211)

GTP γ [³⁵S]; Brain, human; Antipsychotic drug; Clozapine; Quetiapine (Elliott, J. (386) 313)

G-protein; [³⁵S]GTP γ S autoradiography; GABA_B receptor; Anxiolytic; Antidepressant (Sim-Selley, L.J. (389) 147)

[³⁵S]GTP γ S binding; Brain, human; α_2 -Adrenoceptor; μ -Opioid receptor; G-protein (González-Maeso, J. (390) 25)

EEDQ; [³⁵S]GTP γ S binding assay; Hippocampus; Cortex; Receptor reserve; Spare receptor (Alper, R.H. (390) 67)

D-Fenfluramine; Hypothermia; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Nicotine; Anxiety; Phobia; Septum, lateral; Hippocampus, dorsal (File, S.E. (393) 231)

Neuroleptic; Antipsychotic; Catalepsy; Extrapyramidal side-effect; 5-HT (5-hydroxytryptamine, Serotonin) depletion; Dopamine D₂-like receptor; *p*-Chlorophenylalanine; Nemonapride; Raclopride; WAY 100635 (Prins-sen, E.P.M. (395) 143)

Signal transduction; G protein; α_2 -Adrenoceptor; G protein coupled receptor; Second messenger; 5-HT receptor (Happe, H.K. (399) 17)

Anxiety; Stress; Tachycardia; Hyperthermia; Radiotelemetry (Bouwknicht, J.A. (400) 59)

[³⁵S]GTP γ S binding; Inverse agonist; WAY 100635 (Cosi, C. (401) 9)

8-OH-DPAT; Na⁺ channel; Ca²⁺ channel; Neuroprotection; Ischemia (Melena, J. (406) 319)

Positron Emission Tomography (PET); P-glycoprotein (Passchier, J. (407) 273)

Nicotine; Tail tremor; (Rat) (Suemaru, K. (408) 19)

Microdialysis, in vivo; 5-HT (5-hydroxytryptamine, serotonin) release; WAY 100635 (Assié, M.-B. (409) 173)

Basolateral amygdala; Synaptic γ -aminobutyric acid (GABA) transmission; Presynaptic modulation; Dissociated neuron and tandospirone (Kishimoto, K. (407) 257)

5-HT_{1A} autoreceptor

Venlafaxine; WAY 100635; 5-HT(5-hydroxytryptamine, serotonin); Dorsal raphe nucleus; 5-HT syndrome; (Cat) (Bjorvatn, B. (404) 121)

5-HT_{1B} receptor

Knockout mouse; Ethanol intake; Water intake; Food intake (Bouwknicht, J.A. (403) 95)

SL 65.0472; Vasoconstriction; 5-HT_{2A} receptor (Galzin, A.-M. (404) 361)

5-HT_{1B/D} receptor

Locomotor activity; SKF99101H; GR127935; WAY100635; (Guinea pig) (O'Neill, M.F. (399) 49)

Psychiatric disorder; 5-HT (5-hydroxytryptamine, serotonin) release; 5-HT (5-hydroxytryptamine, serotonin) synthesis; Depression; Anxiety; Obsessive compulsive disorder; Desensitisation; Supersensitive; Target (Moret, C. (404) 1)

5-HT₂ receptor

Momordin Ic; Gastrointestinal transit; 5-HT (5-hydroxytryptamine, serotonin); Prostaglandin (Li, Y. (392) 71)

5-HT_{2A} receptor

p-Chloroamphetamine; Hyperthermia; 5-HT_{2B/2C} receptor; (Mouse) (Sugimoto, Y. (403) 225)

SL 65.0472; Vasoconstriction; 5-HT_{1B} receptor (Galzin, A.-M. (404) 361)

5-HT_{2C} receptor; Frontal cortex; (Rabbit); (Human) (Aloyo, V.J. (406) 163)

5-HT transporter; Nefazodone (Pullar, I.A. (407) 39)

FR140423; Antinociception; Serotonergic system; 5-HT₃ receptor; Spinal cord; (Mice) (Ochi, T. (409) 167)

Transmission disequilibrium; Association; Genome screening; Dopamine; Estrogen β receptor; Leptin (Hinney, A. (410) 147)

5-HT_{2B/2C} receptor

5-HT (5-hydroxytryptamine, serotonin); α -Methyl-5-hydroxytryptamine; Vasoconstrictor effect; Mesenteric blood flow (Fernández, M.M. (401) 221)

p-Chloroamphetamine; Hyperthermia; 5-HT_{2A} receptor; (Mouse) (Sugimoto, Y. (403) 225)

5-HT_{2C} receptor

Anxiety; Depression; (Rat) (Kennett, G. (387) 197)

Antipsychotic; Neuroleptic; 5-HT (5-hydroxytryptamine), serotonin; mCPP-(3-chlorophenyl)piperazine; Behavior; Hypolocomotion; Hypophagia; Locomotor activity; Food intake (Prinssen, E.P.M. (388) 57)

Parkinson's disease; 6-Hydroxydopamine-lesioned rat; SKF 82958 (Fox, S.H. (398) 59)

5-HT_{2A} receptor; Frontal cortex; (Rabbit); (Human) (Aloyo, V.J. (406) 163)

5-HT_{2C/2B} receptor

mCPP (*m*-chlorophenylpiperazine); Glucagon; 5-HT (5-hydroxytryptamine, serotonin); Adrenaline (Yamada, J. (406) 153)

5-HT₃ receptor

5-HT(5-hydroxytryptamine, serotonin); glycine receptor; GABA_A; Nicotinic acetylcholine receptor; Bicuculline (Sun, H. (391) 243)

Cocaine; Ondansetron; Sensitization; (Rat) (King, G.R. (394) 97)

Zn²⁺; Cation, Divalent; Voltage-clamp, Whole-cell; Radioligand binding; Neuromodulation (Hubbard, P.C. (394) 189)

5-HT₃ receptor agonist; 5-HT₃ receptor antagonist; Ligand-gated ion channel; HEK 293 cell; (Ferret) (Mochizuki, S. (399) 97)

FR140423; Antinociception; Serotonergic system; 5-HT_{2A} receptor; Spinal cord; (Mice) (Ochi, T. (409) 167)

5-HT₄ receptor

Forced swim test; SB 204070A; Fluoxetine; Antidepressant (Cryan, J.F. (409) 295)

5-HT₇ receptor

Ileum, mouse; [³H]Mesulergine (Hemedah, M. (387) 265)

5-HT_{1A} receptor agonist

Flesinoxan; Glucocorticoid receptor; Mineralocorticoid receptor; Hippocampus; Dorsal raphe nucleus (Sibug, R.M. (404) 111)

Ipsapirone; Food intake; WAY-100635 (Arkle, M. (408) 273)

5-HT_{1B/1D} receptor agonist

Migraine; Almotriptan; Preclinical study (Gras, J. (410) 43)

Cardiovascular safety; Migraine; Almotriptan (Gras, J. (410) 53)

5-HT₃ receptor agonist

5-HT₃ receptor; 5-HT₃ receptor antagonist; Ligand-gated ion channel; HEK 293 cell; (Ferret) (Mochizuki, S. (399) 97)

YM-31636; Colon, distal; Atrium, right; (Guinea pig) (Ito, H. (409) 195)

5-HT_{2A} receptor antagonist

Norepinephrine; Microdialysis; YM992; Venlafaxine; Antidepressant (Hatanaka, K.-i. (395) 31)

Sarpogrelate; Antinociception; Formalin test; (Rat) (Obata, H. (404) 95)

5-HT₃ receptor antagonist

5-HT₃ receptor; 5-HT₃ receptor agonist; Ligand-gated ion channel; HEK 293 cell; (Ferret) (Mochizuki, S. (399) 97)

Glycine receptor; Potentiation; Interaction; Pharmacophore model; Selectivity (Chesnoy-Marchais, D. (402) 205)

5-HT_{1B} receptor, human

Zolmitriptan; K⁺ channel, Ca²⁺-dependent; C6 glioma cell (Le Grand, B. (397) 297)

5-HT_{1A} receptor ligand

Affinity; Intrinsic activity; Efficacy; Gpp(NH)p shift; S-14506; Dihydroergotamine (Assié, M.-B. (386) 97)

HU 210

Cannabinoid; Ingestive behaviour; Body weight, rat (Giuliani, D. (391) 275)

Acetylcholine; Hippocampus; Microdialysis; Cortex, prefrontal; SR 141716A; WIN 55, 212-2 (Acquas, E. (401) 179)

(–)-Huperzine A

Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Learning; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

HVA (homovalinic acid)

Dopamine; Tyrosine hydroxylase; Sulfonylurea; Glipizide; DOPAC (3,4-dihydroxyphenylacetic acid) (Lamensdorf, I. (388) 147)

Hybridization, in situ

Nicotinic receptor; Parkinson's disease; MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropteridine); Neuroprotection; (Monkey) (Quik, M. (393) 223)

Hydrogen peroxide

Nitric oxide (NO); Carbon monoxide (CO); Corpus cavernosa; Urethra relaxation (Naseem, K.M. (387) 329)

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Monoamine oxidase; Adipocyte, white; Cell metabolism (Raimondi, L. (395) 177)

Nitric oxide (NO); Apoptosis; Neuroblastoma; PC12; NO donor; Annexin V (Terwel, D. (400) 19)

4'-Hydroxy aceclofenac

Osteoarthritis; Rheumatoid arthritis; Aceclofenac; Pro-matrix metalloproteinase 1; Pro-matrix metalloproteinase 3; Articular chondrocyte, rabbit (Akimoto, H. (401) 429)

3-Hydroxyanthranilic acid

Kynurenine; Inhibitor; Plasma; Brain; (Rat) (Fornstedt-Wallin, B. (386) 15)

γ-Hydroxybutyrate

Cerebral ischemia; Hippocampus; Immunochemistry; Sensory–motor test; Spatial learning (Vergoni, A.V. (397) 75)

6-Hydroxydopamine

Ligand binding autoradiography; Neostriatum; Substantia nigra (Vasiladis, H.-M. (386) 155)

(–)-OSU6162; Parkinson's disease; Dopamine receptor agonist; Dyskinesia (Ekesbo, A. (389) 193)

Dopamine D₁ receptor; Turning behavior; Behavioral tolerance (Casas, M. (396) 93)

c-fos; *zif268*; *N*-methyl-D-aspartate (NMDA); L-3,4-dihydroxyphenylalanine (L-DOPA); Striatum (Adams, A.C. (404) 303)

Dizocilpine (MK801); Levodopa; Microdialysis (Jonkers, N. (407) 281)

KF17837 ((*E*)-1,3-dipropyl-8-(3,4-dimethoxystyryl)-7-methyl-3,7-dihydro-1*H*-purine-2,6-dione); KW-6002 ((*E*)-1,3-diethyl-8-(3,4-dimethoxystyryl)-7-methyl-3,7-dihydro-1*H*-purine-2,6-dione); Parkinson's disease; Adenosine A_{2A} receptor antagonist (Koga, K. (408) 249)

6-Hydroxydopamine-lesioned rat

Parkinson's disease; 5-HT_{2C} receptor; SKF 82958 (Fox, S.H. (398) 59)

4-Hydroxyisoleucine

Insulin release; Structural analogue; Fenugreek seed; Pancreas; (Rat) (Broca, C. (390) 339)

5-Hydroxytryptophol

5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole-3-acetic acid); Dopamine; Noradrenaline; Ataxia, cerebellar (Reader, T.A. (398) 41)

Hyperalgesia

Protein kinase, cGMP-dependent; *N*-methyl-D-aspartate (NMDA); Nitric oxide (NO); Nociception; Spinal cord; Pain (Tao, Y.-X. (392) 141)

Cannabinoid CB₁ receptor; Cannabinoid CB₂ receptor; Cannabinoid receptor antagonist; Anandamide; Palmitoylethanolamide; 2-Arachidon-ylglycerol; Nociception; Inflammation (Beaulieu, P. (396) 85)

Cocaine; Amphetamine; Dorsal horn (Ohsawa, M. (399) 165)

Arthritis; Phosphodiesterase 4; Oedema; TNF- α (tumor necrosis factor- α); Rolipram (Francischi, J.N. (399) 243)

Complete Freund adjuvant; NF- κ B (nuclear factor kappa B); AP-1 (activator protein-1); Octamer factor; NO (nitric oxide) synthase, neuronal (Chan, C.-F. (402) 61)

Ventral posterolateral nucleus; Excitatory amino acid; Morphine; Riluzole; Dizocilpine (Abarca, C. (403) 67)

Nerve ligation; Inflammation; Protein kinase C; Spinal cord; (Mouse) (Ohsawa, M. (403) 81)

Hyperalgesia, central/peripheral

Lipopolysaccharide; Melatonin; Dexamethasone; Naltrexone; TNF- α (tumor necrosis factor- α); Nitric oxide (NO) (Raghavendra, V. (395) 15)

Hyperalgesia, inflammatory

Thalidomide; TNF- α (tumor necrosis factor- α); Pain (Ribeiro, R.A. (391) 97)

Hyperglycaemia

Cardiac hypertrophy; Diabetes; Peroxisome proliferator-activated receptor γ (Bell, D. (390) 237)

Hyperhidrosis

P2Y receptor; Sweat gland; Anionic secretion; Ca²⁺, intracellular; Ussing chamber (Bovell, D.L. (403) 45)

Hyperosmolarity

Prostaglandin; Nitric oxide (NO); Vasoactive intestinal peptide (VIP); Tracheal perfusion; (Guinea-pig) (Hjoberg, J. (398) 303)

Hyperoxia

Lecithinized superoxide dismutase; Neutrophil elastase; ONO-5046; Lung injury (Yamamoto, H. (409) 179)

Hyperpolarisation

Mesenteric artery, rat; Endothelium; Levromakalim; 18 α -Glycyrrhetic acid; Carbachol (White, R. (397) 279)

Hyperpolarization

Nitric oxide (NO); Prostanoid; *N*^ω-nitro-L-arginine; ODQ (1*H*-[1,2,4]oxadiazolo[4,3-*a*]quinoxalin-1-one); Carotid artery; Femoral artery (Crauwels, H.M. (404) 341)

Hypersensitivity

Ovalbumin; Endothelial reactivity; Nitric oxide (NO); Pulmonary artery (Akar, F. (395) 225)

Hypersensitivity, delayed-type

Porignon tinctorium Lour.; Indirubin; Interferon- γ (Kunikata, T. (410) 93)

Hypertension

K_{ATP} channel; Arrhythmias; Myocardial ischemia; Reperfusion (Lee, Y.-M. (397) 151)

Guanylyl cyclase, soluble; Superoxide anion; Aorta; Renin-angiotensin system (Jacke, K. (403) 27)

Thiazide; Methyclothiazide; Endothelium; Ca²⁺; Spontaneously hypertensive, rat (SHR) (Colas, B. (408) 63)

Hypertension genetic

Tachykinin NK₁ receptor; Substance P; Inflammation; GH (genetically hypertensive) rat; Nitric oxide (NO) (Campbell, V.A. (401) 109)

Hypothermia

Anxiety; Stress; 5-HT_{1A} receptor; Tachycardia; Radiotelemetry (Bouwnecht, J.A. (400) 59)

p-Chloroamphetamine; 5-HT_{2A} receptor; 5-HT_{2B/2C} receptor; (Mouse) (Sugimoto, Y. (403) 225)

Hypertrophy

Vasopressin; Vasopressin V_{1A} receptor; Vasopressin V₂ receptor; Myocyte; Cell culture (Nakamura, Y. (391) 39)

Collagen; Heart failure; Moxonidine; Sympathetic activation; (Rat) (Van Kerckhoven, R. (397) 113)

Carnitine palmitoyltransferase; Etomoxir; SDZ CPI 975 (Yotsumoto, T. (398) 297)

Heart, Rat; Contractile function; Carnitine palmitoyltransferase I inhibition; Etomoxir; Infarct size (Günther, J. (406) 123)

Hypertrophy, cell

Diabetes; Smooth muscle, vascular; Oxyhaemoglobin, glycosylated; Oxidative stress (Peiró, C. (386) 317)

Hypoalgesia

Dopaminergic agent; Carrageenan; Dopamine D₁ receptor; Dopamine D₂ receptor; Anti-hyperalgesia (Gao, X. (406) 53)

Hypocapnia

Endothelin-1; Basilar artery; 5-HT (5-hydroxytryptamine, serotonin); Iso-capnia; Alkaline (Zuccarello, M. (407) 191)

Hypocapnic constriction

Endothelin-1; Basilar artery; Nitric oxide (NO) (Zuccarello, M. (401) 213)

Hypoglycemic agent

Drug interaction; Nateglinide; Noncompetitive inhibition; Peptide transporter (Terada, T. (392) 11)

Hypoglycemic effect

(*R*)-ACX; Sulfonylurea compound; Insulin releasing effect (Seri, K. (389) 253)

Hypolocomotion

Antipsychotic; Neuroleptic; 5-HT (5-hydroxytryptamine), serotonin; 5-HT_{2C} receptor; mCPP-(3-chlorophenyl)piperazine; Behavior; Hypophagia; Locomotor activity; Food intake (Prinssen, E.P.M. (388) 57)

Hypophagia

Antipsychotic; Neuroleptic; 5-HT (5-hydroxytryptamine), serotonin; 5-HT_{2C} receptor; mCPP-(3-chlorophenyl)piperazine; Behavior; Hypolocomotion; Locomotor activity; Food intake (Prinssen, E.P.M. (388) 57)

Hypothalamic–pituitary–adrenal system

Schizophrenia; Stress; Cognition; Coping; Immune system (Gispender Wied, C.C. (405) 375)

Hypothalamic–pituitary–adrenocortical axis

Mineralocorticoid receptor; Glucocorticoid receptor; Stress; Antidepressants; Major depression (Reul, J.M.H.M. (405) 235)

Hypothalamo pituitary–adrenal axis

Cocaine; Corticosterone; Neuroendocrine; Self-administration; Stress (Galici, R. (387) 59)

Hypothalamo-pituitary-adrenal axis

Aggressive behavior; Monoamine; Pertussis toxin; (Mouse) (Kim, D.-H. (409) 67)

Hypothalamus

Glutathione; Antioxidant; Sleep deprivation; Melatonin (D'Almeida, V. (390) 299)

Anandamide; Food intake; Diet restriction; Cognitive function; Hippocampus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

Food intake; Histamine; Leptin; *Tele*-methylhistamine; (Intracerebroventricular infusion) (Lecklin, A. (395) 113)

Neuropeptide Y-(13-36); (Rat) (King, P.J. (396) R1)

Nitric oxide (NO); 8-OH-DPAT (8-hydroxy-2-di-*n*-(propylamino)tetralin); Food intake; 5-HT (5-hydroxytryptamine, serotonin); *N*^G-nitro-L-arginine methyl ester (L-NAME) (Yamada, J. (402) 247)

Anxiety; Stress; Noradrenaline; Amygdala; Locus coeruleus; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

CART (cocaine- and amphetamine-regulated transcript); TRH (thyrotropin releasing hormone); Dopamine; Norepinephrine; Synaptosome (Brunetti, L. (409) 103)

Hypothalamus–pituitary–adrenal activity

Stress; Corticosteroid (De Kloet, E.R. (405) 187)

Hypothalamus–pituitary–adrenocortical axis

Noradrenaline; Dopamine; Tolerance; Morphine; Paraventricular nucleus (Fuentes, G. (388) 49)

Hypothalamus, rat

Opioid peptide; AP-1 (activator protein-1); Electrophoretic mobility shift assay; Transcriptional regulation; Uterus, rat (Oszter, A. (395) 103)

Hypothermia

D-Fenfluramine; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Hypotonic stress

c-fos; *c-jun*; Cholecystokinin; MAP (mitogen-activated protein), kinase (Murai, A. (394) 27)

Hypoxia

Clomethiazole; Chlormethiazole; Spreading depression; Hippocampus; Neuroprotection (Stone, T.W. (399) 29)

Hypoxic pulmonary vasoconstriction

Nitric oxide (NO); Pulmonary arterial tone; L-NAME; *N*-γ-nitro-L-arginine methyl ester; Prostaglandin F_{2α} (Jones, R.D. (402) 111)

I_{K,ATP}

Glibenclamide; HMR1883; Sulfonylurea; Cardiac ischemia; Dispersion; Arrhythmia; Sulfonylurea (Dhein, S. (398) 273)

I_{Kr}

Cibenzoline; Disopyramide; Ionic current; I_{Ks}; Rat sino-atrial nodal cell (Sato, H. (407) 123)

I_{Ks}

Cibenzoline; Disopyramide; Ionic current; I_{Kr}; Rat sino-atrial nodal cell (Sato, H. (407) 123)

Iberiotoxin

Maxi-K⁺ channel; Radioligand binding; Urinary bladder (Molinari, E.J. (388) 155)

Nitric oxide (NO); β₂-Adrenoceptor agonist; Smooth muscle; cGMP; cAMP (Vaali, K. (399) 75)

Ibogaine

Substance P; Neurotensin; Dopamine; Cocaine; Methamphetamine; Drug abuse (Albargues, M.E. (390) 119)

Cocaine; Sensitization; Dopamine; Stereotypy; Drug addiction (Szumlin-ski, K.K. (398) 259)

Ibuprofen

Cyclooxygenase; Smooth muscle cell; Proliferation (Weber, A.-A. (389) 67)

ICAM-1

Nitric oxide (NO); Nitric oxide-releasing compound; Adhesion; E-Selectin; Lipopolysaccharide (Kosonen, O. (394) 149)

ICI 204,219

Pulmonary artery, porcine; Leukotriene; Contraction; CysLT receptor; BAY u9773 (Bäck, M. (401) 381)

Idazoxan

Imidazoline I₂ receptor ligand; RX821002; Metrazoline; Benazoline; Tracizoline; Food intake; Water intake (Polidori, C. (392) 41)

$I_{Cl(Ca)}$

Niflumic acid; Trachea; Cl^- channel (Teixeira, M.C.L. (394) 117)

 $[^3H]$ ifenprodil

NMDA receptor; σ site; $[^3H]$ MK-801; Hippocampal brain membrane, porcine (Höfner, G. (394) 211)

Ifenprodil

Ethanol withdrawal; NMDA receptor subunit; Liquid diet method (Narita, M. (401) 191)

Ileum

Cannabinoid receptor agonist; WIN 55212-2; Cannabinoid receptor antagonist; SR14716A; Electrical field stimulation; Short-circuit current, (Rat) (Tyler, K. (409) 207)

Ileum, avian

Muscarinic receptor subtype; Binding affinity; Functional affinity (Darroch, S. (402) 161)

Ileum, mouse

5-HT₇ receptor; $[^3H]$ Mesulergine (Hemedah, M. (387) 265)

Ileum, rabbit

Nociceptin; $[Nphe^1]$ nociceptin-(1–13)NH₂; OP₄ receptor (Pheng, L.-H. (397) 383)

Imidazoline binding site

Clonidine-displacing substance; NG108-15 cell; Reverse phase HPLC (Parker, C.A. (387) 27)

Imidazoline I₂ receptor ligand

Idazoxan; RX821002; Metrazoline; Benazoline; Tracizoline; Food intake; Water intake (Polidori, C. (392) 41)

Imipramine

Antidepressant; DHPG ((*RS*)-3,5-dihydroxyphenylglycine); Glutamate receptor, metabotropic, group I; Hippocampus (Zahorodna, A. (386) 173)

Antidepressant drug; Lithium chloride; Locomotor activity; Mania (D'Aquila, P.S. (395) 157)

Baclofen; Ligation; Hot-plate test; (Mouse) (Zarrindast, M.-R. (407) 65)

Immediate early gene

Dizocilpine ((+)-MK-801); NMDA receptor antagonist; Neurotoxicity; Retrosplenial cortex; Clozapine; Olanzapine (Fujimura, M. (398) 1)

Immediate-early gene

MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxytryptamine, serotonin) transporter; Egr-1 (zif-268) (Shirayama, Y. (402) 215)

Immune function

Androgen; Th1/Th2; Prenatal; Estrogen; Autoimmunity (Martin, J.T. (405) 251)

Immune system

Schizophrenia; Stress; Cognition; Coping; Hypothalamic–pituitary–adrenal system (Gispén-de Wied, C.C. (405) 375)

Immunity

Conditioned response; Stress; Psychoneuroimmunology (Ader, R. (405) 167)

Immunochemistry

γ -Hydroxybutyrate; Cerebral ischemia; Hippocampus; Sensory–motor test; Spatial learning (Vergoni, A.V. (397) 75)

Immunoglobulin E

Scratching behavior; Anaphylaxis, passive cutaneous; Substance P; Histamine; Histamine H₁ receptor; Oxatomide; Epinastine; Cetirizine; Terfenadine; (Mouse) (Inagaki, N. (400) 73)

Asthma; TEI-9874 (Nonaka, T. (402) 287)

Immunogold electron microscopy

Nicotinic receptor, presynaptic; Glutamate receptor antagonist; Nicotine; Anatoxin-a; Synaptosome (Wonnacott, S. (393) 51)

Immunohistochemistry

Nicotine; Neurofilament; NF-68; NF-160; NF-200; Ventral tegmental area (Bunnemann, B. (393) 249)

Angiotensin-converting enzyme inhibitor; Diabetes; Nephropathy; Urinary albumin excretion (Katoh, M. (398) 381)

Tyrosine hydroxylase; Haloperidol; Substantia nigra; Antioxidant; (Rat) (Besret, L. (408) 35)

Immunosuppressant

Cyclosporine; Nitric oxide (NO); α_1 -Adrenoceptor; C6 glioma cell (Ikesue, H. (407) 221)

Immunosuppressive effect

Cynaropicrin; Anti-inflammatory effect; TNF- α (tumor necrosis factor- α); Nitric oxide (NO) release; Lymphocyte proliferation (Cho, J.Y. (398) 399)

Impedance planimetry

Circumferential stretch; Axial stretch; Coronary artery, large; Tone; Ca²⁺-channel, voltage-gated; (Pig) (Tankó, L.B. (387) 303)

Indirubin

Porigonum tinctorium Lour.; Interferon- γ ; Delayed-type, hypersensitivity (Kunikata, T. (410) 93)

Indolocarbazole

Cell membrane; Cellular uptake; Carbohydrate; Rebeccamycin (Goossens, J.-F. (389) 141)

Indomethacin

Choroidal blood flow; Laser-Doppler flowmetry; Sympathetic vasodilation; β -Adrenoceptor activation; β -Adrenoceptor antagonist; L-NAME (*N*^G-nitro-L-arginine methyl ester); (Rat) (Kawarai, M. (386) 227)

Pulmonary arteries; Dexfenfluramine; Phentolamine; Prazosin; Ketanserin (Patnaude, L.A. (401) 229)

Acetylcholine; Airway epithelium; Smooth muscle, airway; Nitric oxide (NO); Airway segment (McParland, B.E. (402) 151)

Inducible

Transplantation; Nitric oxide (NO) synthase; Macrophage; Peroxynitrite (Vos, I.H.C. (391) 31)

Phenylethanoid; Macrophage; Nitric oxide (NO); Nitric oxide (NO) synthase; 1-propanamine-3-hydroxy-2-nitroso-1-propylhydrazino (PAPA NONOate) (Xiong, Q. (400) 137)

Inducible NO synthase

Inflammation; Nitric oxide (NO); NF- κ B (nuclear factor- κ B); β -Carboline alkaloid (Lee, B.G. (406) 301)

Tryptanthrin; Nitric oxide; Prostaglandin; Cyclooxygenase; Inflammation (Ishihara, T. (407) 197)

Infarct

Apoptosis; Cardiac ischemia; Caspase inhibitor; Reperfusion injury (Huang, J.-Q. (402) 139)

Infarct size

Heart, Rat; Contractile function; Carnitine palmitoyltransferase I inhibition; Etomoxir; Hypertrophy (Günther, J. (406) 123)

Inflammation

μ -Opioid receptor; Knockout mice (Qiu, C. (387) 163)

Phospholipase A₂; Nuclear-factor- κ B; Mitogen-activated protein kinase; Interleukin-1 (Burgermeister, E. (388) 195)

Endothelin; TNF (tumor necrosis factor) receptor; Endothelial cell; Epithelial cell; Atherosclerosis (Lees, D.M. (390) 89)

Carrageenan; Nitric oxide (NO); Peroxynitrite; Superoxide dismutase; Tempol (Cuzzocrea, S. (390) 209)

Steroid-like anti-inflammatory action; Cyclic peptide; *Streptomyces* product (Kuriyama, K. (390) 223)

Leukocyte; Ropivacaine (Zhang, X.W. (392) R1)

Cannabinoid CB₁ receptor; Cannabinoid CB₂ receptor; Cannabinoid receptor antagonist; Hyperalgesia; Anandamide; Palmitoylethanolamide; 2-Arachidonylglycerol; Nociception (Beaulieu, P. (396) 85)

Adrenomedullin; Eye; CGRP (calcitonin gene-related peptide); Nitric oxide (NO) (Clementi, G. (400) 321)

Tachykinin NK₁ receptor; Substance P; Hypertension genetic; GH (genetically hypertensive) rat; Nitric oxide (NO) (Campbell, V.A. (401) 109)

Peroxisome proliferator-activated receptor (PPAR); Retinoid X receptor (RXR); Monocyte; Migration; Matrix metalloproteinase (Kintscher, U. (401) 259)

Hyperalgesia; Nerve ligation; Protein kinase C; Spinal cord; (Mouse) (Ohsawa, M. (403) 81)

Ischemia–reperfusion; Neutrophil; Oedema; Mesenteric artery (Souza, D.G. (403) 121)

Dinitrobenzene sulfonic acid; Nitric oxide (NO); Peroxynitrite; Poly (ADP-ribose) synthetase; Colon damage; Free radical (Cuzzocrea, S. (406) 127)

Nitric oxide (NO); Inducible NO synthase; NF- κ B (nuclear factor- κ B); β -Carboline alkaloid (Lee, B.G. (406) 301)

Tryptanthrin; Nitric oxide; Inducible NO synthase; Prostaglandin; Cyclooxygenase (Ishihara, T. (407) 197)

Adenosine; Adenosine kinase; Adenosine deaminase; Formalin; Microdialysis; Pain (Liu, X.J. (408) 143)

Bradykinin; Neurogenic; Phorbol ester; Protein kinase C; Triterpenoid (Huguet, A.-I. (410) 69)

Pravastatin; Monocyte; Lipid metabolism; Pro-inflammatory molecule (Grip, O. (410) 83)

Inflammation, intestinal

Nitric oxide (NO); Non-steroid anti-inflammatory drug (Evans, S.M. (388) 281)

Inflammation, peripheral

Enteropooling; Intestine; Opioid; Opioid receptor; Permeability (Valle, L. (389) 235)

Inflammatory preconditioning

Diabetic rat; Somatostatin; Neurogenic inflammation (Németh, J. (386) 83)

Inflammatory response

Nociceptin; Histamine; Mast cell; G protein; ORL₁ receptor; (Rat) (Kimura, T. (407) 327)

Information processing

Nicotine; Pre-pulse inhibition; Schizophrenia; (Rat) (Mirza, N.R. (407) 73)

Infusion constant rate

L-DOPA methylester; Parkinson's disease; Daily rhythm; Chronopharmacology; Radiotelemetry (Simon, N. (401) 79)

Ingestive behaviour

Cannabinoid; HU 210; Body weight, rat (Giuliani, D. (391) 275)

Inhibin

Dexamethasone; FSH (follicle-stimulating hormone); Ovarian function; (Rat, female, immature) (Tohei, A. (386) 69)

Inhibitor

Kynurenine; 3-Hydroxyanthranilic acid; Plasma; Brain; (Rat) (Fornstedt-Wallin, B. (386) 15)

Multidrug resistance; *P*-glycoprotein; MRP₁ (multidrug resistance-associated protein); Daunorubicin; Calcein-AM; PAK-104P (Marbeuf-Gueye, C. (391) 207)

Inhibitory feedback mechanism

C-fibre; Flexor reflex; Rostral ventromedial medulla; Wind-up; Spino-bulbo-spinal; Morphine (Gozariu, M. (394) 75)

Inositol phosphate

Ca²⁺; Tyrosine kinase; Adrenoceptor; Fura-2 (Berts, A. (389) 35)

Inositol phospholipid

Phospholipase C; Histamine; Chromaffin cell; Ca²⁺; Adrenal medulla (Roberts-Thomson, E.L. (398) 199)

Inotropic agent

Ca²⁺-sensitizer; Hemodynamics; Heart failure; Excitation–contraction coupling; Diastolic dysfunction (Janssen, P.M.L. (404) 191)

In situ hybridization

Acetylcholine receptor; Ligand-gated ion channel; RNA blot; Peripheral nervous system; Neural development (Erkman, L. (393) 97)

Adenosine receptor; Locomotion; Dopamine receptor; Caffeine; Autoradiography (Halldner, L. (406) 345)

Ins(1,4,5)P₃

Muscarinic receptor; Sphingosine 1-phosphate; Dimethylsphingosine; Ca²⁺ mobilisation; SH-SY5Y neuroblastoma cell (Young, K.W. (402) 55)

InsP₃ receptor

Ca²⁺ signalling; Paxilline; Mycotoxin (Longland, C.L. (408) 219)

Insulin

Sodium tungstate; Glucagon; Pancreas, rat (Rodríguez-Gallardo, J. (402) 199)

Cytoskeleton; Exocytosis; Scinderin (Bruun, T.Z. (403) 221)

Neuropeptide; Intranasal administration; Vasopressin; Melanocortin; Cognition (Fehm, H.L. (405) 43)

Troglitazone; Fructose 2,6-bisphosphate; Hepatocyte; Thiazolidinedione (Raman, P. (409) 19)

Primary culture of hepatocyte; Tyrosine phosphorylation; cAMP phosphodiesterase; Microtubule; Wortmannin; Herbimycin A (Ishibashi, K. (409) 109)

Insulin action

Aging; Vanadyl sulfate; Insulin release; Islet, isolated (De Tata, V. (398) 169)

Insulin release

4-Hydroxyisoleucine; Structural analogue; Fenugreek seed; Pancreas; (Rat) (Broca, C. (390) 339)

Aging; Vanadyl sulfate; Insulin action; Islet, isolated (De Tata, V. (398) 169)

Glibenclamide; Tolbutamide; Desensitization; Clonal pancreatic β -cell; K_{ATP} channel (Ball, A.J. (408) 327)

Insulin releasing effect

(R)-ACX; Sulfonyleurea compound; Hypoglycemic effect (Seri, K. (389) 253)

Insulin resistance

Superoxide; Nitric oxide (NO); Isometric tension study (Shinozaki, K. (394) 295)

Pancreastatin receptor; Signaling; G protein; Phospholipase C; MAPK; HTC cell (Sánchez-Margalet, V. (397) 229)

Oxidant stress; Endothelium; Nitric oxide (NO); Obese Zucker rat (Laight, D.W. (402) 95)

C2C12 cell; Glucose transporter isotype 4; YM-126414 (Shimokawa, T. (410) 1)

Insulin secretion

Streptozotocin; T-1095; Phlorizin; Na⁺-glucose cotransporter; Glucose clamp; Glucose tolerance test; Glucose transporter; Insulin sensitivity (Oku, A. (391) 183)

Glucose elimination; 1,5-Anhydro-D-fructose; Glucagon-like peptide-1; (Mouse) (Ahrén, B. (397) 219)

Dipeptidyl peptidase IV; Glucagon-like peptide-1 (GLP-1); Glucose tolerance; Diabetes, type 2; Glucose tolerance, impaired (Ahrén, B. (404) 239)

Insulin sensitivity

Streptozotocin; T-1095; Phlorizin; Na⁺-glucose cotransporter; Glucose clamp; Glucose tolerance test; Glucose transporter; Insulin secretion (Oku, A. (391) 183)

Insulinitis

Encephalomyocarditis virus; Glucose intolerance; Branched chain amino acid (Utsugi, T. (398) 409)

Integrin

Smooth muscle cell, Vascular; Endothelial cell; Vitronectin; Glycoprotein IIb/IIIa-inhibitor; (Human) (Kintscher, U. (390) 75)

Interaction

Acetylcholine; Cholinergic; Glutamate; Motivation; Behaviour (Aura, J. (390) 313)

Glycine receptor; 5-HT₃ receptor antagonist; Potentiation; Pharmacophore model; Selectivity (Chesnoy-Marchais, D. (402) 205)

Interdigestive migrating contraction

Gastrointestinal transit; Gastrointestinal motility; Post-operative ileus; SK-896; Prostaglandin F_{2 α} ; (Dog) (Tsukamoto, K. (401) 97)

Interferon γ

Δ^9 -Tetrahydrocannabinol; SR 141716; SR 144528; Natural killer cell cytolytic activity (Massi, P. (387) 343)

Interferon- γ

Alanine aminotransferase; Concanavalin A; Apoptosis; Soyasapogenol A; Tumor necrosis factor- α (TNF- α) (Kuzuhara, H. (391) 175)

Cytokine; Endothelin ET_B receptor; Interleukin-1 β ; Interleukin-6; TNF- α (tumour necrosis factor- α); Sarafotoxin S6c; Vasoactivity (White, L.R. (406) 117)

Alzheimer's disease; Microglia; NSAIDs; Aspirin (Ogawa, O. (408) 137)

Porigonum tinctorium Lour.; Indirubin; Delayed-type, hypersensitivity (Kunikata, T. (410) 93)

Interleukin-1

Phospholipase A₂; Nuclear-factor- κ B; Mitogen-activated protein kinase; Inflammation (Burgermeister, E. (388) 195)

Leukotriene B₄; Air pouch; Leukocyte infiltration; Collagen-induced arthritis; LY293111Na (Kuwabara, K. (402) 275)

Interleukin-4

Phosphodiesterase 4 inhibitor; RPR 73401; Allergic dermatitis; Ear swelling test, mouse (Ehinger, A.M. (392) 93)

Interleukin-6

Cytokine; Endothelin ET_B receptor; Interleukin-1 β ; Interferon- γ ; TNF- α (tumour necrosis factor- α); Sarafotoxin S6c; Vasoactivity (White, L.R. (406) 117)

Interleukin-8

Nociception; Interleukin 1 β ; TNF- α ; Macrophage; Mast cell; (Tumour necrosis factor- α) (Ribeiro, R.A. (387) 111)

FK506 (Tacrolimus); Neutrophil chemotaxis; Mononuclear cell peripheral blood (Sasakawa, Y. (403) 281)

Interleukin-10

TNF- α , tumor necrosis factor- α ; Lipopolysaccharide (Fukuda, T. (391) 317)

Y-39041; Arthritis; TNF- α (Tumor necrosis factor- α); Lipopolysaccharide (Hisadome, M. (409) 331)

Interleukin-1 β

Nociception; Interleukin 8; TNF- α ; Macrophage; Mast cell; (Tumour necrosis factor- α) (Ribeiro, R.A. (387) 111)

Bradykinin; Prostaglandin E₂; Ca²⁺ mobilization; Gingival fibroblast, human (Nakao, S. (395) 247)

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ranitidine; Ulcer healing; Gastric blood flow; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Pancreatitis; EGF (epidermal growth factor); Pancreatic regeneration (Dembinski, A. (398) 159)

Cytokine; Endothelin ET_B receptor; Interleukin-6; Interferon- γ ; TNF- α (tumour necrosis factor- α); Sarafotoxin S6c; Vasoactivity (White, L.R. (406) 117)

Interneuron

Hippocampus; Choline; Nicotinic receptor; Excitation; Methyllycaconitine; GABA (γ -aminobutyric acid) (Alkondon, M. (393) 59)

Adenosine; Chloroadenosine; Hippocampus; Afterhyperpolarization (Li, H. (407) 237)

Intestinal motility

Salivary protein; Lipopolysaccharide (Tan, D. (409) 203)

Intestine

Ca²⁺ channel, N-type; ω -Conotoxin GVIA; ω -Conotoxin MVIIA; ω -Conotoxin MVIIIC; Vas deferens; Superior cervical ganglion; (Human); (Rat); (Guinea-pig) (Sanger, G.J. (388) 89)

Enteropooling; Inflammation, peripheral; Opioid; Opioid receptor; Permeability (Valle, L. (389) 235)

Multidrug resistance protein; MRP2 (multidrug resistance protein 2) (Van Aubel, R.A.M.H. (400) 195)

Intestine, human

Nepadutant; Tachykinin receptor; Tachykinin receptor antagonist; Urinary bladder, human (Patacchini, R. (398) 389)

Intestine, large

δ -Opioid receptor; Short-circuit current; Endothelin-1 (Gauthier, C. (390) 335)

Intracellular, free

Sphingomyelinase; Smooth muscle, Aortic, rat; Ca²⁺ concentration (Zheng, T. (391) 127)

Intracellular histamine binding site

Blood–brain barrier; Brain edema; Cerebral ischemia–reperfusion; Histamine; DPPE (*N,N*-diethyl-2-[4-(phenylmethyl)phenoxy]ethanamine) (Deli, M.A. (387) 63)

Intracellular signaling

Antidepressant; Mechanism of action; Monoamine; Neuropeptide; Transcription factor (Vetulani, J. (405) 351)

Intragastric administration

Heparin; Gastric ulcer healing; Nitric oxide (NO) synthase, Constitutive; Proliferation; Regeneration; Angiogenesis (Li, Y. (399) 205)

Intrahecal

Antinociception; Cannabinoid; Intraventricular; Structure–activity relationship; Tetrahydrocannabinol (Wiley, J.L. (397) 319)

Intranasal administration

Neuropeptide; Vasopressin; Insulin; Melanocortin; Cognition (Fehm, H.L. (405) 43)

Intrathecal

Nicotine; Antinociception; CaM kinase II; Ca²⁺ channels; (Mice) (Damaj, M.I. (404) 103)

Morphine; Zn²⁺; Antinociception; Tolerance; Dependence (Larson, A.A. (407) 267)

Intrathecal domperidone

Quinpirole; Blood pressure; Spinal cord transection; Dopamine D₂ receptor, spinal; Conscious, rat (Lahlou, S. (408) 51)

Intraventricular

Antinociception; Cannabinoid; Intrahecal; Structure–activity relationship; Tetrahydrocannabinol (Wiley, J.L. (397) 319)

Intrinsic activity

Affinity; Efficacy; Gpp(NH)p shift; 5-HT_{1A} receptor ligand; S-14506; Dihydroergotamine (Assié, M.-B. (386) 97)

Inverse agonism

Histamine H₁ receptor; Constitutive activity (Bakker, R.A. (387) R5)

Dmt–Tic; Antagonism (Labarre, M. (406) R1)

Inverse agonist

[³⁵S]GTP γ S binding; 5-HT_{1A} receptor; WAY 100635 (Cosi, C. (401) 9)

In vivo

Saphenous vein; Adrenoceptor; 5-HT receptor; (Rabbit) (Vayssettes-Courchay, C. (408) 277)

Iodonium

NADPH oxidase; Xanthine oxidase; Nitric oxidase (NO) synthase; NADH-ubiquinone reductase (Moulton, P. (401) 115)

Ion channel

Corticosterone; Vasopressin; Firing pattern; Neurotransmitter (Joëls, M. (405) 207)

Ionic current

Cibenzoline; Disopyramide; I_{Kr} ; I_{Ks} ; Rat sino-atrial nodal cell (Satoh, H. (407) 123)

Ionic secretion

Adrenoceptor; β_3 -Adrenoceptor; Cl^- channel; K^+ channel; Colon, rat (Schultheiss, G. (403) 251)

Ion secretion

Zaldaride maleate; Calmodulin; Adenylate cyclase; Guanylate cyclase (Aikawa, N. (394) 233)

IP receptor

Constitutively-active receptor; Chimeric receptor; Partial agonist; Prostacyclin (Wise, H. (386) 89)

Ipsapirone

5-HT_{1A} receptor agonist; Food intake; WAY-100635 (Arkle, M. (408) 273)

IPSP (inhibitory postsynaptic potential)

Retigabine; Anticonvulsant; Entorhinal cortex; Spike frequency habituation; EPSP (excitatory postsynaptic potential); K^+ channel opener (Hetka, R. (386) 165)

IRL 3630A

Endothelin; Endothelin ET_A/ET_B receptor antagonist bifunctional; Respiratory mechanics (Makatani, M. (406) 139)

Ischaemia

Amrinone; Reperfusion injury; (Rat) (Rechtman, M.P. (402) 255)

Preconditioning; Angiotensin; Prazosin; Colchicine (Sharma, A. (406) 85)

Ischemia

Angiotensin-converting enzyme inhibitor; Bradykinin; Reperfusion; Ventricular function, dog (Hosoya, K. (390) 157)

Diltiazem; Coronary flow; Heart, isolated, rat; Microsphere; Reperfusion (Katsumata, N. (398) 83)

TY-12533; Na^+/H^+ exchanger; Reperfusion; Arrhythmia; Myocardial infarction (Aihara, K. (404) 221)

8-OH-DPAT; 5-HT_{1A} receptor; Na^+ channel; Ca^{2+} channel; Neuroprotection (Melena, J. (406) 319)

NAAG (*N*-acetylaspartylglutamate); mGlu receptor; MCPG ((*R,S*)- α -methyl-4-carboxyphenylglycine); NAALADase (*N*-acetylated α -linked acidic dipeptidase) (Lu, X.-C.M. (408) 233)

Ischemia-induced arrhythmia

Zatebradine; Reperfusion arrhythmia; Propranolol; (Dog) (Naito, H. (388) 171)

Ischemia-reperfusion

Cyclopiazonic acid; Oxidative stress; Free radical; Reactive oxygen species (Grover, A.K. (387) 87)

Gastric secretion; Omeprazole; Ranitidine; Ulcer healing; Gastric blood flow; Interleukin-1 β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Neutrophil; Oedema; Mesenteric artery; Inflammation (Souza, D.G. (403) 121)

Liver, rat; Protective effect; ATP; Bile flow; Glutathione; Antioxidant (Settaf, A. (406) 281)

Dysmotility; Colon; Adenosine A₁ receptor antagonist; RT-PCR (reverse transcription-polymerase chain reaction); (Rat) (Kadowaki, M. (409) 319)

Ischemia-reperfusion

Flow; Nitric oxide (NO); Oxidative stress; Vascular (Walia, M. (400) 249)

Ischemia-reperfusion injury

Picroliv; Liver; Antioxidant (Singh, A.K. (395) 229)

Ischemic tolerance

Brain; Cerebral ischemia; Preconditioning; Lipopolysaccharide; Nitric oxide (NO); Nitric oxide synthase (NOS); Heat shock protein; Nitro-L-arginine methyl ester; (Rat) (Puisieux, F. (389) 71)

Islet, isolated

Aging; Vanadyl sulfate; Insulin action; Insulin release (De Tata, V. (398) 169)

Isocapnia

Endothelin-1; Basilar artery; 5-HT (5-hydroxytryptamine, serotonin); Hypocapnia; Alkaline (Zuccarello, M. (407) 191)

Isolated lung, guinea pig

ORL1 receptors; Nociceptin/orphanin FQ; ORL1 receptor antagonist (Corboz, M.R. (402) 171)

Isometric tension study

Insulin resistance; Superoxide; Nitric oxide (NO) (Shinozaki, K. (394) 295)

Isoprenaline

Spectral analysis; Valsartan; Catecholamine; Arterial pressure (Blanc, J. (394) 311)

β -Adrenoceptor; Age; Endothelium; Relaxation; K^+ channel (Van der Zyp, A. (397) 129)

Isoprostane

Oxidative stress; Mammary artery; Vasoconstriction (Cracowski, J.-L. (397) 161)

Itch-associated response

Emedastine difumarate; Substance P; Histamine; Leukotriene B₄; 5-HT (5-hydroxytryptamine, Serotonin) (Andoh, T. (406) 149)

Ivermectin

GABA_A receptors; Subunit composition; Patch clamp (Adelsberger, H. (394) 163)

Jejunum, rabbit

5-HT (5-hydroxytryptamine, serotonin) transport; 5-HT receptor; Brush border membrane (Alcalde, A.I. (403) 9)

JL-18

Dopamine D₄ receptor; L-Dopa-induced dyskinesia; Parkinson's disease; MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine) (Tahar, A.H. (399) 183)

JNK (jun amino-terminal kinase)

Okadaic acid; Adrenomedullin; ERK (extracellular signal-related kinase); P38 MAPK (P38 mitogen-activated protein kinase) (Parameswaran, N. (388) 133)

JTE-522

Cyclooxygenase-2; Prostaglandin E₂; Thromboxane A₂; U-46619; Airway hyperresponsiveness; Ozone; (Guinea pig) (Nakano, H. (403) 267)

JTH-601

α_1 -Adrenoceptor; α_{1L} -Adrenoceptor; Prostate; (Dog) (Suzuki, Y. (394) 123)

Jurkat cell

NPPB (5-nitro-2-(3-phenylpropylamino)-benzoic acid); Patch clamp; Ca^{2+} current; Ca^{2+} current, Capacitative; Ca^{2+} release-activated current; pH Modulation (Li, J.H. (394) 171)

K⁺

Kallikrein secretion; Diuresis; Natriuresis; Bradykinin B_2 receptor antagonist; FR173657 (Suzuki, T. (399) 223)

Endothelium-derived hyperpolarizing factor (EDHF); Ouabain; 18α -Glycyrrhetic acid; Gap junctions; Endothelium (Harris, D. (402) 119)

Kainate

Excitotoxicity; Cyclooxygenase-2; Nimesulide; Oxidative stress; Hippocampus (Candelario-Jalil, E. (390) 295)

Kainate receptor

Cocaine; Convulsion; Toxicity; AMPA receptor; NMDA receptor (Pouw, B. (386) 181)

Kallikrein secretion

K^+ ; Diuresis; Natriuresis; Bradykinin B_2 receptor antagonist; FR173657 (Suzuki, T. (399) 223)

K_{ATP} channel

Exocytosis; Glucagon; Nateglinide; Repaglinide (Bokvist, K. (386) 105)

Anaesthetic volatile; Action potential; Arrhythmia; Myocyte; Patch clamp (Terrenoire, C. (390) 95)

Hypertension; Arrhythmias; Myocardial ischemia; Reperfusion (Lee, Y.-M. (397) 151)

Glibenclamide; Tolbutamide; Desensitization; Clonal pancreatic β -cell; Insulin release (Ball, A.J. (408) 327)

K⁺ channel

Thiazolidinedione; Troglitazone; Rosiglitazone; BRL 49653; K_{ATP} current; Glibenclamide (Mishra, S.K. (386) 121)

Thapsigargin; Nitric oxide (NO); Endothelium; Relaxation; Aorta; (Rat) (Huang, Y. (392) 51)

Pimozide; HERG (human ether-a-go-go-related gene); Arrhythmia; Antipsychotic agent (Kang, J. (392) 137)

Anesthetic; volatile; Ca^{2+} -activated; *Xenopus* oocyte (Namba, T. (395) 95)

β -Adrenoceptor; Age; Endothelium; Isoprenaline; Relaxation (Van der Zyp, A. (397) 129)

Berberine; Nitric oxide (NO); Ca^{2+} channel; Vasorelaxation; Proliferation; Mesenteric artery; (Rat) (Ko, W.-H. (399) 187)

cGMP; Sodium nitroprusside; Antinociception (Soares, A.C. (400) 67)

Calcium; Calmodulin; Patch clamp; Antipsychotic; Dequalinium (Dreixler, J.C. (401) 1)

Diazepam; Progesterone; γ -Aminobutyric acid (GABA); Coronary (Jacob, M.K. (403) 209)

Adrenoceptor; β_3 -Adrenoceptor; Cl^- channel; Ionic secretion; Colon, rat (Schultheiss, G. (403) 251)

Long QT syndrome; Pharmacogenetics; Heart (Escande, D. (410) 281)

K⁺ channel, ATP-sensitive

Smooth muscle, Tracheal; Cromakalim; Tyrosine kinase inhibitor (Matsushita, Y. (389) 51)

3-morpholinolinosydnonimine (SIN-1); Endothelium-derived hyperpolarizing factor (EDHF); K^+ channel, Ca^{2+} -activated; Membrane potential (Quignard, J.-F. (399) 9)

K⁺ channel, Ca²⁺-activated

3-morpholinolinosydnonimine (SIN-1); Endothelium-derived hyperpolarizing factor (EDHF); K^+ channel, ATP-sensitive; Membrane potential (Quignard, J.-F. (399) 9)

Large conductance; Detrusor muscle; β -Adrenoceptor; Protein kinase A (Kobayashi, H. (404) 231)

K⁺ channel, Ca²⁺-dependent

Smooth muscle, vascular; Adenosine (Li, G. (394) 35)

Zolmitriptan; 5-HT_{1B} receptor, human; C6 glioma cell (Le Grand, B. (397) 297)

K⁺ channel, Inward rectifier

Antiarrhythmic drug; Maxi- K^+ channel; Smooth muscle; (Bovine) (Nakahara, T. (402) 143)

K⁺ channel opener

Retigabine; Anticonvulsant; Entorhinal cortex; Spike frequency habituation; EPSP (excitatory postsynaptic potential); IPSP (inhibitory postsynaptic potential) (Hetka, R. (386) 165)

K⁺ channel opener

Nerve conduction; Blood flow; Na^+ , K^+ ATPase; Oxidative stress; Glutathione; Neuropathy; Diabetic rat (Hohman, T.C. (397) 335)

Detrusor smooth muscle; Smooth muscle relaxation; K^+ channels, ATP-sensitive; Sulfonyleurea receptor (Buckner, S.A. (400) 287)

K_{ATP} channels

Mesenteric artery, rat; cAMP; Levromakalim; Forskolin; Protein kinase A (Omar, R. (401) 85)

K⁺ channels, ATP-sensitive

K^+ channel opener; Detrusor smooth muscle; Smooth muscle relaxation; Sulfonyleurea receptor (Buckner, S.A. (400) 287)

KCl

Nitric oxide (NO); Mesenteric bed; *N*^ω-nitro-L-arginine methyl ester; Depolarization; Nitric oxide (NO) synthase (Mendizabal, V.E. (409) 85)

K_{ATP} current

Thiazolidinedione; Troglitazone; Rosiglitazone; BRL 49653; Glibenclamide; K^+ channel (Mishra, S.K. (386) 121)

K⁺ current, delayed-rectifier

Nifedipine; Ventricular myocyte, guinea-pig; K^+ current, inward-rectifier (Zhabiyev, P. (401) 137)

K⁺ current, Delayed rectifier

Sinoatrial node; Atrioventricular node; Antiarrhythmic agent, Class III (Sato, N. (404) 281)

K⁺ current, inward-rectifier

Nifedipine; Ventricular myocyte, guinea-pig; K⁺ current, delayed-rectifier (Zhabyeyev, P. (401) 137)

Ketamine

Synaptic plasticity; Long-term potentiation; Primed-burst stimulation; Visual cortex (Salami, M. (390) 287)

Ondansetron; 5-HT (5-hydroxytryptamine, serotonin); Heart rate; Electrocardiography; Fractal (DePetrillo, P.B. (391) 113)

Ketanserin

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Pulmonary arteries; Dexfenfluramine; Phentolamine; Prazosin; Indomethacin (Patnaude, L.A. (401) 229)

KF17837 ((E)-1,3-dipropyl-8-(3,4-dimethoxystyryl)-7-methyl-3,7-dihydro-1H-purine-2,6-dione)

KW-6002 ((E)-1,3-diethyl-8-(3,4-dimethoxystyryl)-7-methyl-3,7-dihydro-1H-purine-2,6-dione); Parkinson's disease; Adenosine A_{2A} receptor antagonist; 6-Hydroxydopamine (Koga, K. (408) 249)

Kidney

OAT1 (organic anion transporter 1); *p*-Aminohippurate; Methotrexate; Probenecid; NSAID (nonsteroidal anti-inflammatory drug); (Rat) (Uwai, Y. (409) 31)

Kindling

Anxiety; Blood pressure; Glutamate; Heart rate; Long-term potentiation; Panic; Social interaction; Sodium lactate (Sajdyk, T.J. (394) 265)

5-HT (5-hydroxytryptamine, serotonin); Hippocampus; Seizure (Watanabe, K.-i. (398) 239)

Kinetics

Muscarinic receptor; Gallbladder; Receptor heterogeneity; Radioligand binding; Ca²⁺, Intracellular; Ca²⁺, Extracellular; Sr²⁺; (Guinea pig) (Akici, A. (388) 115)

Kinin

Angiotensin AT₂ receptor; Losartan; PD 123319; Nitric oxide (NO) synthase; Cyclo-oxygenase; Footshock (Israel, A. (394) 103)

Staphylococcal enterotoxin B; Mast cell; Neurogenic inflammation; Tachykinin NK₁ receptor; Vanilloid receptor (Linardi, A. (399) 235)

Knee joint, rabbit

Substance P; Vasodilatation; Plasma extravasation (Lam, F.F.Y. (400) 327)

Knockout mice

Inflammation; μ -Opioid receptor (Qiu, C. (387) 163)

Knock-out mice

Catalepsy; Dopamine D₂ receptor; Dopamine D₃ receptor; Haloperidol; SCH 23390 (Boulay, D. (391) 63)

Knockout mice

Nicotinic receptor; Nicotinic receptor subunit; Bladder; Autonomic dysfunction (De Biasi, M. (393) 137)

Dopamine D₁ receptor; Dopamine D₃ receptor; Locomotor activity; Exploratory behaviour; Elevated plus maze; Rotarod; Spatial learning (Karasinska, J.M. (399) 171)

Knockout mouse

Cannabinoid receptor; Δ^9 Tetrahydrocannabinol; Macrophage (Buckley, N.E. (396) 141)

Neutral endopeptidase; Enkephalinase; Enkephalin; Alcohol consumption; Angiotensin-converting enzyme; Enkephalin-degrading peptidases; Opioid (Siems, W.-E. (397) 327)

5-HT_{1B} receptor; Ethanol intake; Water intake; Food intake (Bouwnecht, J.A. (403) 95)

Adenosine A_{2A} receptor; SCH 58261; ZM 241385; CGS 21680; Motor activity (El Yacoubi, M. (401) 63)

Kupffer cell

Lead; Hepatocyte, rat; Lipopolysaccharide; Coculture; TNF-alpha (tumor necrosis factor- α); Nitric oxide (NO); Nitric oxide (NO) synthase, inducible (Milosevic, N. (401) 317)

KW-6002 ((E)-1,3-diethyl-8-(3,4-dimethoxystyryl)-7-methyl-3,7-dihydro-1H-purine-2,6-dione)

KF17837 ((E)-1,3-dipropyl-8-(3,4-dimethoxystyryl)-7-methyl-3,7-dihydro-1H-purine-2,6-dione); Parkinson's disease; Adenosine A_{2A} receptor antagonist; 6-Hydroxydopamine (Koga, K. (408) 249)

Kynurenine

3-Hydroxyanthranilic acid; Inhibitor; Plasma; Brain; (Rat) (Fornstedt-Wallin, B. (386) 15)

NMDA (*N*-methyl-D-aspartate); Quinolinic acid; Long-term potentiation; Hippocampus; NMDA receptor subunit (Youssef, F. (398) 349)

L-365,260

SR 27897B; Cholecystokinin; Dopamine; CCK_A receptor; CCK_B receptor (Tieppo, C.A. (387) 189)

***L-cis*-Diltiazem**

d-cis-Diltiazem; Patch-clamp; Whole-cell; Ca²⁺ overload; Na⁺ current; Lysophosphatidylcholine (Hashimoto, Y. (391) 217)

Lamotrigine

Nitric oxide (NO); Epilepsy; 7-Nitroindazole; Carbamazepine; Diazepam; Phenobarbital; Phenytoin; Valproate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (394) 275)

Large conductance

K⁺ channel, Ca²⁺-activated; Detrusor muscle; β -Adrenoceptor; Protein kinase A (Kobayashi, H. (404) 231)

Laser-Doppler flowmetry

Choroidal blood flow; Sympathetic vasodilation; β -Adrenoceptor activation; β -Adrenoceptor antagonist; L-NAME (*N*^G-nitro-L-arginine methyl ester); Indomethacin; (Rat) (Kawarai, M. (386) 227)

Morphine tolerance; Morphine dependence; Naloxone; Opiate withdrawal; Cerebral blood flow (Zamani, R. (408) 299)

LDH (lactate dehydrogenase)

Astrocyte; Ca²⁺; Mitochondrion; MTT; Na⁺, K⁺-ATPase; Ouabain (Takahashi, S. (408) 127)

Lead

Hepatocyte, rat; Lipopolysaccharide; Kupffer cell; Coculture; TNF- α (tumor necrosis factor- α); Nitric oxide (NO); Nitric oxide (NO) synthase, inducible (Milosevic, N. (401) 317)

Learning

CO-induced amnesia; Neuroactive steroid; Pregnenolone; Dehydroepiandrosterone; Memory; (Mouse) (Maurice, T. (390) 145)

Nicotine; Attention; Memory (Levin, E.D. (393) 141)

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

Acetylcholine; Cannabinoid; Glutamate; Short-term memory (Han, C.J. (403) 87)

Corticotropin-releasing factor (CRF); Vasopressin; Autonomic nervous system; Memory (Croiset, G. (405) 225)

Lecithinized superoxide dismutase

Hyperoxia; Neutrophil elastase; ONO-5046; Lung injury (Yamamoto, H. (409) 179)

Left atrium, rat

Calcitonin gene-related peptide (CGRP); BIBN4096BS; CGRP (8-38); CGRP receptor subtypes; Vas deferens, rat (Wu, D. (400) 313)

Lenticulostriate artery, human

RT-PCR; CGRP (calcitonin gene-related peptide); Adrenomedullin; CRLR (calcitonin receptor-like receptor); RAMP (receptor activity-modifying protein) (Sams, A. (408) 183)

Leptin

Food intake; Histamine; Hypothalamus; *Tele*-methylhistamine; (Intracereboventricular infusion) (Lecklin, A. (395) 113)

5-HTP (5-Hydroxytryptophan); 5-HT (5-hydroxytryptamine, serotonin); Benserazide; (Mouse) (Yamada, J. (406) 159)

5-HT_{2A} receptor; Transmission disequilibrium; Association; Genome screening; Dopamine; Estrogen β receptor (Hinney, A. (410) 147)

Lethality

Seizure; Sensitization (Gasior, M. (387) R15)

Leukocyte

Inflammation; Ropivacaine (Zhang, X.W. (392) R1)

Leukocyte adhesion molecule

Diarylheptanoid; Vascular endothelial cell; Anti-inflammation; 5-Lipoxygenase (Yamazaki, R. (404) 375)

Leukocyte infiltration

Leukotriene B₄; Air pouch; Collagen-induced arthritis; Interleukin-1; LY293111Na (Kuwabara, K. (402) 275)

Leukotriene

Opioid; Nociception; LTD₄ receptor antagonist; Naloxone (Gök, Ş. (386) 195)

Airway; Prostaglandin; Neuromediator; Endothelin; (Mouse) (Richter, M. (389) 225)

Pulmonary artery, porcine; Contraction; CysLT receptor; ICI 204,219; BAY u9773 (Bäck, M. (401) 381)

Thromboxane; YM158; Asthma (Arakida, Y. (403) 169)

Leukotriene B₄

Air pouch; Leukocyte infiltration; Collagen-induced arthritis; Interleukin-1; LY293111Na (Kuwabara, K. (402) 275)

Emedastine difumarate; Itch-associated response; Substance P; Histamine; 5-HT (5-hydroxytryptamine, Serotonin) (Andoh, T. (406) 149)

Leukotrienes

Nitric oxide (NO); Vascular permeability; Vascular endothelium; Neutrophil granulocytes; Platelet-activating factor (PAF); Thromboxanes; Vasopressin; Surgery (Pávó, I. (402) 193)

Levcromakalim

Mesenteric artery, rat; Endothelium; Hyperpolarisation; 18 α -Glycyrrhetic acid; Carbachol (White, R. (397) 279)

Mesenteric artery, rat; cAMP; Forskolin; Protein kinase A; K_{ATP} channels (Omar, R. (401) 85)

Levodopa

Dizocilpine (MK801); 6-Hydroxydopamine; Microdialysis (Jonkers, N. (407) 281)

Levosimendan

Positive inotropic effect; Ventricular muscle, dog; Ca²⁺ transient; Myofibrillar Ca²⁺ sensitivity; cAMP (Takahashi, R. (400) 103)

Licking behavior

Histamine; Apomorphine; (Rat) (Farzin, D. (404) 169)

Licking behaviour

Benzodiazepine; Dopamine; Bout structure; Palatability (Higgs, S. (409) 73)

Lick latency

Opioid analgesia; U69,593; Hotplate; Sex differences; (Rat) (Van Haaren, F. (408) 153)

Ligand affinity

GABA_A/benzodiazepine receptor; Hippocampus; Olfactory bulb; Receptor heterogeneity; α subunit (Lameh, J. (400) 167)

Ligand binding

Receptor expression; cAMP; mRNA detection (Dautzenberg, F.M. (390) 51)

Ligand binding autoradiography

6-Hydroxydopamine; Neostriatum; Substantia nigra (Vasiliadis, H.-M. (386) 155)

Ligand binding domain

Acetylcholine receptor; Neuron; Property; Pharmacological; Physiological (Curtis, L. (393) 155)

Ligand docking

Cannabinoid receptor; SR 144528; WIN 55212-2; Mutagenesis; Molecular model (Gouldson, P. (401) 17)

Ligand-gated channel

Enteric neuron; Submucosal neuron; ATP receptor; Ca²⁺; Receptor; P2X receptor; P2Y receptor (Barajas-López, C. (409) 243)

Ligand-gated ion channel

Acetylcholine receptor; RNA blot; In situ hybridization; Peripheral nervous system; Neural development (Erkman, L. (393) 97)

5-HT₃ receptor; 5-HT₃ receptor agonist; 5-HT₃ receptor antagonist; HEK 293 cell; (Feret) (Mochizuki, S. (399) 97)

Ligand selectivity

Opioid receptor; Mutagenesis; [³⁵S]GTPγS (Bonner, G. (403) 37)

Ligation

Baclofen; Imipramine; Hot-plate test; (Mouse) (Zarrindast, M.-R. (407) 65)

Limbic system

Dopamine D₃ receptor (Cussac, D. (394) 47)

Clonidine; BAY K 8644; GABA (γ-aminobutyric acid); Ca²⁺ channel, L-type; Septum, Epilepsy (Baran, H. (401) 31)

Linkage

Smoking; Genetic polymorphism; Neurotransmitter; Association (Arinami, T. (410) 215)

Lipid metabolism

Pravastatin; Monocyte; Inflammation; Pro-inflammatory molecule (Grip, O. (410) 83)

Lipid peroxidation

Antioxidant; Diabetic retinopathy; Glutathione; Superoxide dismutase (Obrosova, I.G. (398) 139)

ATP–MgCl₂; Mitochondrial energy metabolism; Mitochondrial enzyme; Hepatic ischemia/reperfusion (Jeong, C. (403) 243)

Lipid peroxide

Endothelin-converting enzyme; Endothelin; Atherosclerosis; Cholesterol; (Rabbit) (Mitani, H. (387) 313)

Lipolysis

Tachycardia; Rhesus (Forrest, M.J. (407) 175)

Lipopolysaccharide

Angiotensin II type 2 receptor; Cytokine; Nitric oxide (NO); Cyclic GMP; Cardiac fibroblast (Tamura, M. (386) 289)

Endothelin-1; Cyclooxygenase 2; Prostaglandin E₂; Macrophage (Shimada, K. (388) 187)

Brain; Cerebral ischemia; Ischemic tolerance; Preconditioning; Nitric oxide (NO); Nitric oxide synthase (NOS); Heat shock protein; Nitro-L-arginine methyl ester; (Rat) (Puisieux, F. (389) 71)

Interleukin-10; TNF-α, tumor necrosis factor-α (Fukuda, T. (391) 317)

Selectin; Sialyl Lewis X; Acute lung injury (Hayashi, H. (392) 109)

Nitric oxide (NO); Nitric oxide-releasing compound; Adhesion; E-Selectin; ICAM-1 (Kosonen, O. (394) 149)

Fever; μ-Opioid receptor antagonist; Preoptic anterior hypothalamus (Benamar, K. (401) 161)

Lead; Hepatocyte, rat; Kupffer cell; Coculture; TNF-α (tumor necrosis factor-α); Nitric oxide (NO); Nitric oxide (NO) synthase, inducible (Milosevic, N. (401) 317)

Vascular hyporeactivity; Ventricular myocyte; Ca²⁺ transient; β-adrenergic stimulation; Nitric oxide (NO) (Shan, Q. (406) 257)

Salivary protein; Intestinal motility (Tan, D. (409) 203)

Y-39041; Arthritis; TNF-α (Tumor necrosis factor-α); Interleukin-10 (Hisadome, M. (409) 331)

Lipopolysaccharide, bacterial

Bradykinin receptor; Microphysiometer; Aortic endothelial cell, bovine; FR173657 (Bentley, K.R. (402) 11)

Lipopolysaccharide

Melatonin; Dexamethasone; Naltrexone; TNF-α (tumor necrosis factor-α); Nitric oxide (NO); Hyperalgesia, central/peripheral (Raghavendra, V. (395) 15)

5-Lipoxygenase

Diarylheptanoid; Leukocyte adhesion molecule; Vascular endothelial cell; Anti-inflammation (Yamazaki, R. (404) 375)

Liquid diet method

Ethanol withdrawal; Ifenprodil; NMDA receptor subunit (Narita, M. (401) 191)

Lithium chloride

β-Amyloid; Bcl-2; Alzheimer's disease (Wei, H. (392) 117)

Antidepressant drug; Imipramine; Locomotor activity; Mania (D'Aquila, P.S. (395) 157)

Lithogenic index

Acetophenone analogue; Choleretic; Cholesterol; Phloacetophenone; (*Curcuma comosa*) (Piyachaturawat, P. (387) 221)

Liver

Ischemia–reperfusion injury; Picroliv; Antioxidant (Singh, A.K. (395) 229)

Stellate cell; Cirrhosis; Endothelin; Fibrosis, rat (Gandhi, C.R. (406) 311)

Liver, rat

Ischemia–reperfusion; Protective effect; ATP; Bile flow; Glutathione; Antioxidant (Settaf, A. (406) 281)

LL-Z1640-2

Radical; Mitogen-activated protein kinases; c-Jun N-terminal kinase; HgCl₂ (Matsuoka, M. (409) 155)

L-NAME (N^G-nitro-L-arginine methyl ester)

Choroidal blood flow; Laser-Doppler flowmetry; Sympathetic vasodilation; β-Adrenoceptor activation; β-Adrenoceptor antagonist; Indomethacin; (Rat) (Kawarai, M. (386) 227)

Locomotion

Adenosine receptor; Dopamine receptor; Caffeine; In situ hybridization; Autoradiography (Halldner, L. (406) 345)

Locomotor activity

Antipsychotic; Neuroleptic; 5-HT (5-hydroxytryptamine), serotonin; 5-HT_{2C} receptor; mCPP-(3-chlorophenyl)piperazine; Behavior; Hypolocomotion; Hypophagia; Food intake (Prinssen, E.P.M. (388) 57)

Dopamine D₂ receptor; Partial agonist; Dopamine synthesis; (Rat) (Ahlenius, S. (394) 247)

Antinociception; Straub tail; Morphine; SC17599; (Mouse) (Houshyar, H. (395) 121)

Antidepressant drug; Imipramine; Lithium chloride; Mania (D'Aquila, P.S. (395) 157)

Sibutramine; Desmethylsibutramine; Didemethylsibutramine; Food intake; Obesity; Antidepressant (Glick, S.D. (397) 93)

Nicotinic acetylcholine receptor; Sensitization; Disinhibition; Plus-maze; (Rat) (Ericson, M. (397) 103)

Antidepressant drug; Desipramine; Grooming; Mesolimbic dopamine system; Open field; Restraint stress; Chronic mild stress (D'Aquila, P.S. (399) 43)

5-HT_{1B/D} receptor; SKF99101H; GR127935; WAY100635; (Guinea pig) (O'Neill, M.F. (399) 49)

Dopamine D₁ receptor; Dopamine D₃ receptor; Knockout mice; Exploratory behaviour; Elevated plus maze; Rotarod; Spatial learning (Karasinska, J.M. (399) 171)

Locomotor sensitization

Nociceptin; Orphanin FQ; ORL1 receptor; Morphine; Conditioned place preference; Spatial learning (Ciccocioppo, R. (404) 153)

Locus coeruleus

GABA_A receptor; Anesthetic; Propofol (Chen, C.-L. (386) 201)

Noradrenaline; Cortex, prefrontal; Stress; NMDA receptor; GABA receptor; CRF receptor; Microdialysis (Kawahara, H. (387) 279)

Morphine withdrawal; Prostaglandin; Prostanoid EP₃ receptor; μ -Opioid receptor; *c-fos* (Nakagawa, T. (390) 257)

Anxiety; Stress; Noradrenaline; Hypothalamus; Amygdala; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Long QT syndrome

K⁺ channel; Pharmacogenetics; Heart (Escande, D. (410) 281)

Long-term culture

2,3-Butanedione monoxime; Ca_i²⁺ + transient; Fura 2-acetoxymethyl (AM) ester; Contractility; Ultrastructure; (Guinea pig) (Horackova, M. (404) 247)

Long-term potentiation

Synaptic plasticity; Primed-burst stimulation; Visual cortex; Ketamine (Salami, M. (390) 287)

Anxiety; Blood pressure; Glutamate; Heart rate; Kindling; Panic; Social interaction; Sodium lactate (Sajdyk, T.J. (394) 265)

Clozapine-induced potentiation; NMDA receptor; MK-801; Haloperidol; Perforant path–dentate gyrus pathway (Kubota, T. (395) 37)

NMDA (*N*-methyl-D-aspartate); Quinolinic acid; Kynurenine; Hippocampus; NMDA receptor subunit (Youssef, F. (398) 349)

Purine; Adenosine; ATP; Nucleotide; Hippocampus; Suramin (O'Kane, E.M. (409) 159)

Loop-diuretic

Bumetanide; Frusemide; Cardiomyocyte; Contraction (Kelso, E. (400) 43)

Loop of Henle

cAMP-dependent protein kinase; Adrenoceptor; Dopamine; (Mouse) (Higuchi, E. (408) 107)

Loreclezole

GABA (γ -aminobutyric acid); GABA_C receptor; ρ 1 subunit (Thomet, U. (408) R1)

Losartan

Angiotensin II; MAP (mitogen activated protein) kinase; Mechanical stress; Aorta (Kubo, T. (391) 281)

Angiotensin AT₂ receptor; PD 123319; Kinin; Nitric oxide (NO) synthase; Cyclo-oxygenase; Footshock (Israel, A. (394) 103)

Blood pressure; Endothelin-1; Bradykinin; Enalapril; (Rat) (Tanus-Santos, J.E. (397) 367)

Low-density lipoprotein

Endothelium-dependent relaxation; Very low-density lipoprotein; High-density lipoprotein; Oxysterol (Perségol, L. (406) 429)

Low dose

Prolactin; Grooming, Novelty-induced; Sexual behavior, Male; Sexual behavior, Female (Drago, F. (405) 131)

LT_{D4} receptor antagonist

Leukotriene; Opioid; Nociception; Naloxone (Gök, Ş. (386) 195)

Luciferase

Melatonin receptor; cAMP response element; Reporter gene assay; HEK293 cell (Conway, S. (390) 15)

Lung

Nicotine; Nicotinic receptor, Non-neuronal; Blood vessel; Skin (Conti-Fine, B.M. (393) 279)

Chronic hypoxia; Endothelin-1; Big-endothelin-1; Sarafotoxin-6C; Pulmonary vasoconstriction; Pulmonary vasodilation; Bronchoconstriction; Endothelin ET_B receptor; (Rat) (Lal, H. (402) 101)

Lung injury

Hyperoxia; Lecithinized superoxide dismutase; Neutrophil elastase; ONO-5046 (Yamamoto, H. (409) 179)

Lung, rat

Chronic hypoxia; 5-HT (5-hydroxytryptamine, serotonin) uptake; Pulmonary hypertension (Jeffery, T.K. (396) 137)

Luteal cell

Droloxifene; Apoptosis; *c-myc*; *bax*; *bcl-2*; mRNA (Leng, Y. (409) 123)

Luteolin

Apigenin; Anti-implantation activity; Estrogenic activity (Hiremath, S.P. (391) 193)

LY341122

Cerebral ischemia, focal; Neuroprotection; Stroke; Oxygen radical; (Rat) (Huh, P.W. (389) 79)

LY379268

Glutamate receptor, metabotropic; Amphetamine; Motor activity; Stereotypy (Cartmell, J. (400) 221)

Lymphocyte proliferation

Cynaropicrin; Anti-inflammatory effect; TNF- α (tumor necrosis factor- α); Nitric oxide (NO) release; Immunosuppressive effect (Cho, J.Y. (398) 399)

LY293111Na

Leukotriene B₄; Air pouch; Leukocyte infiltration; Collagen-induced arthritis; Interleukin-1 (Kuwabara, K. (402) 275)

[³H]Lysergic acid diethylamide (LSD)

Dopamine receptor; Mushroom body; (Locust); (Insect) (Degen, J. (396) 59)

Lysophosphatidylcholine

l-cis-Diltiazem; *d-cis*-Diltiazem; Patch-clamp; Whole-cell; Ca²⁺ overload; Na⁺ current (Hashimoto, Y. (391) 217)

Macrophage

Nociception; Interleukin 1 β ; Interleukin 8; TNF- α ; Mast cell; (Tumour necrosis factor- α) (Ribeiro, R.A. (387) 111)

Endothelin-1; Cyclooxygenase 2; Prostaglandin E₂; Lipopolysaccharide (Shimada, K. (388) 187)

Transplantation; Nitric oxide (NO) synthase; Inducible; Peroxynitrite (Vos, I.H.C. (391) 31)

Knockout mouse; Cannabinoid receptor; Δ^9 Tetrahydrocannabinol (Buckley, N.E. (396) 141)

Ditriazines; Nitric oxide (NO); Eicosanoid; Neutrophil; Air pouch, mouse; Carrageenan paw oedema (Rioja, I. (397) 207)

Phenylethanoid; Nitric oxide (NO); Nitric oxide (NO) synthase; Inducible; 1-propanamine-3-hydroxy-2-nitroso-1-propylhydrazino (PAPA NONOate) (Xiong, Q. (400) 137)

Cannabinoid CB₂ receptor; WIN55212; Palmitoylethanolamide; Nitric oxide (NO); RAW264.7; cAMP (Ross, R.A. (401) 121)

Wogonin; Flavonoid; Cyclooxygenase; Prostaglandin (Wakabayashi, I. (406) 477)

Magnocellular basal nucleus

Neonatal; ACTH (adrenocorticotropin); Neuroprotection; Cholinergic neuron; Glia (Horvath, K.M. (405) 33)

Major depression

Mineralocorticoid receptor; Glucocorticoid receptor; Hypothalamic–pituitary–adrenocortical axis; Stress; Antidepressants (Reul, J.M.H.M. (405) 235)

Malignant hyperthermia

Shortening velocity; Skeletal muscle (Etchivri, T.S. (388) 107)

Mammary artery

Isoprostane; Oxidative stress; Vasoconstriction (Cracowski, J.-L. (397) 161)

Mammary artery, internal

Thromboxane A₂; TP receptor; Forskolin; cAMP; Saphenous vein (Cracowski, J.-L. (387) 295)

Mania

Antidepressant drug; Imipramine; Lithium chloride; Locomotor activity (D'Aquila, P.S. (395) 157)

Antidepressant drug; Dopamine; Depression; Mesolimbic dopamine system (D'Aquila, P.S. (405) 365)

MAPA (magnesium ammonium phospholinate-palmitoleate anhydride)

Ehrlich ascites tumour; Antitumour; Myelopoiesis; CFU-GM (colony-forming unit-granulocyte-macrophage) (Justo, G.Z. (388) 219)

MAPK

Pancreastatin receptor; Signaling; G protein; Phospholipase C; HTC cell; Insulin resistance (Sánchez-Margalet, V. (397) 229)

MAPK (mitogen-activated protein kinase)

Ethanol; Acetaldehyde; Hepatocyte; Angiotensin II (Weng, Y.-I. (398) 323)

MAP (mitogen-activated protein) kinase

Angiotensin II; Mechanical stress; Aorta; Losartan (Kubo, T. (391) 281)

c-fos; *c-jun*; Cholecystokinin; Hypotonic stress (Murai, A. (394) 27)

Substance P; TNF- α (tumor necrosis factor- α); Histamine; Dexamethasone; Skin (Okabe, T. (398) 309)

Ca²⁺ reperfusion; T-588; NGF (nerve growth factor); PD98059; Astrocyte (Takuma, K. (399) 1)

Angiotensin; Endothelin; Aorta; Spontaneously hypertensive rat (SHR); DOCA-salt hypertensive rat (Kubo, T. (400) 231)

MAP (mitogen-activated protein) kinase cascade

Regulation; Protein kinase, cAMP-dependent; Signal transduction (Mizuno, K. (404) 63)

Marijuana, medical

Cannabinoid; Δ^9 -THC (Δ^9 -tetrahydrocannabinol); SR 141716A; Antinociception; Aerosol; Nebulizer (Lichtman, A.H. (399) 141)

Mass spectrometry

Cannabinoid; Anandamide; Fatty acid ethanolamides; High-performance liquid chromatography; Anandamide transport (Giuffrida, A. (408) 161)

Mast cell

Nociception; Interleukin 1 β ; Interleukin 8; TNF- α ; Macrophage; (Tumour necrosis factor- α) (Ribeiro, R.A. (387) 111)

Histamine; Enterochromaffin-like cell; Rabeprazole; Mast cell-deficient, rat (Nakamura, S. (394) 9)

Fluoroquinolone; Histamine release; G protein (Mori, K. (394) 51)

Oedema; Adenosine A₁ receptor; Adenosine A_{2B} receptor (Sawynok, J. (395) 47)

Salmeterol; Benzalkonium chloride; G-protein; β_2 -Adrenoceptor; Asthma (Seebeck, J. (397) 19)

Staphylococcal enterotoxin B; Kinin; Neurogenic inflammation; Tachykinin NK₁ receptor; Vanilloid receptor (Linardi, A. (399) 235)

Chymase; Angiogenesis; Compound 48/80; Granuloma (Muramatsu, M. (402) 181)

Nociceptin; Inflammatory response; Histamine; G protein; ORL₁ receptor; (Rat) (Kimura, T. (407) 327)

Mast cell-deficient rat

Histamine; Enterochromaffin-like cell; Mast cell; Rabeprazole (Nakamura, S. (394) 9)

Mast cell-deficient (Ws/Ws) rat

Compound 48/80; Connective tissue mast cell; Tracheal contraction; 5-HT (5-hydroxytryptamine, serotonin); Histamine (Ikawati, Z. (420) 297)

Maternal behavior

Corticosterone; ACTH (adrenocorticotropin); CRH (corticotropin-releasing hormone); Coping; Social (Levine, S. (405) 149)

Matrix metalloproteinase

Peroxisome proliferator-activated receptor (PPAR); Retinoid X receptor (RXR); Inflammation; Monocyte; Migration (Kintscher, U. (401) 259)

Phosphodiesterase inhibitor; Tissue remodelling; Bronchoalveolar lavage; (Mouse) (Belleguic, C. (404) 369)

Maxi-K⁺ channel

Radioligand binding; Iberiotoxin; Urinary bladder (Molinari, E.J. (388) 155)

Antiarrhythmic drug; Inward rectifier K⁺ channel; Smooth muscle; (Bovine) (Nakahara, T. (402) 143)

Maze learning

Ca²⁺ channel antagonist; Amlodipine; Memory enhancement; Active avoidance, mice; Chronic drug administration (Quartermain, D. (399) 57)

MCPG ((R,S)- α -methyl-4-carboxyphenylglycine)

NAAG (*N*-acetylaspartylglutamate); mGlu receptor; Ischemia; NAAL-ADase (*N*-acetylated α -linked acidic dipeptidase) (Lu, X.-C.M. (408) 233)

mCPP-(3-chlorophenyl)piperazine

Antipsychotic; Neuroleptic; 5-HT (5-hydroxytryptamine), serotonin; 5-HT_{2C} receptor; Behavior; Hypolocomotion; Hypophagia; Locomotor activity; Food intake (Prinssen, E.P.M. (388) 57)

mCPP (*m*-chlorophenylpiperazine)

Glucagon; 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{2C/2B} receptor; Adrenaline (Yamada, J. (406) 153)

MDCK cell

Betulinic acid; Ca²⁺; Ca²⁺ store; Fura-2; Thapsigargin (Chou, K.-J. (408) 99)

MDMA (3,4-methylenedioxymethamphetamine)

5-HT (5-hydroxytryptamine, serotonin) transporter; Egr-1 (zif-268); Immediate-early gene (Shirayama, Y. (402) 215)

MDMA (($\pm$)-3,4-Methylenedioxymethamphetamine)

Ecstasy; Anxiety; Odor, cat; Social interaction; Ultrasonic vocalization (Morley, K.C. (408) 41)

Mecamylamine

Nicotine; Cognition; Attention (Stolerman, I.P. (393) 147)

Mechanical stress

Angiotensin II; MAP (mitogen activated protein) kinase; Aorta; Losartan (Kubo, T. (391) 281)

Mechanism of action

Antidepressant; Monoamine; Neuropeptide; Intracellular signaling; Transcription factor (Vetulani, J. (405) 351)

Mechanosensitive channel

Calmodulin antagonist; Stretch receptor; Voltage clamp (Lin, J.-H. (397) 11)

Medullary collecting duct, inner

Vasopressin; Vasopressin receptor; Vasopressin V_{1B} receptor; Vasopressin V₂ receptor, CHO (Chinese hamster ovary) cell (Saito, M. (401) 289)

Melanocortin

Regeneration; Development (Strand, F.L. (405) 3)

Feeding; Central nervous system; Behavior; Body weight homeostasis; Anorexia; Obesity (Vergoni, A.V. (405) 25)

Neuropeptide; Intranasal administration; Vasopressin; Insulin; Cognition (Fehm, H.L. (405) 43)

Melanocortin receptor

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Brain melanocortin system; Peptide–receptor interaction; Avoidance; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

Melatonin

Glutathione; Antioxidant; Sleep deprivation; Hypothalamus (D'Almeida, V. (390) 299)

Lipopolysaccharide; Dexamethasone; Naltrexone; TNF- α (tumor necrosis factor- α); Nitric oxide (NO); Hyperalgesia, central/peripheral (Raghavendra, V. (395) 15)

Pineal gland; *N'*-acetyl-5-hydroxytryptamine (*N'*-acetyl-5-HT); Suramin; P2-receptor (Mortani Barbosa Jr., E.J. (401) 59)

Forced-swim test; Antidepressant; Sex difference; Depression (Brotto, L.A. (402) 87)

Central nervous system; Analgesia; Naloxone (Yu, C.-X. (403) 49)

Melatonin MT₁ receptor

Morphine tolerance; Morphine dependence; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Melatonin MT₂ receptor

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Melatonin MT₃ receptor

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Melatonin receptor

cAMP response element; Luciferase; Reporter gene assay; HEK293 cell (Conway, S. (390) 15)

Melittin

Brain phospholipase A₂; Catecholamines, plasma; Sympatho-adrenomedullary outflow, central; Mepacrine (Yokotani, K. (398) 341)

Phospholipase A₂; Gap junction; Connexin; Endothelium-derived hyperpolarizing factor (EDHF); Endothelium; Smooth muscle, vascular (Hutcheson, I.R. (406) 239)

Meloxicam

Nitric oxide (NO); cGMP; *N*^G-L-nitro-arginine methyl ester (L-NAME); ODQ (1*H*-(1,2,4)-oxadiazolo(4,2-*a*)quinoxalin-1-one) (Aguirre-Bañuelos, P. (395) 9)

Rheumatoid arthritis; Synoviocyte; Cyclooxygenase-1; Cyclooxygenase-2 (Tsubouchi, Y. (395) 255)

Memantine

Cocaine; Motor activity; Conditioning; Dizocilpine (MK-801); D-CPPene (SDZ EAA 494); ACEA-1021; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

Morphine; Antinociception; NMDA receptor antagonist; D-CPPene (SDZ EAA 494); MRZ 2/579; MRZ 2/576; ACEA-1021 (Belozertseva, I.V. (396) 77)

Membrane potential

3-morpholinysynonimine (SIN-1); Endothelium-derived hyperpolarizing factor (EDHF); K⁺ channel, Ca²⁺-activated; K⁺ channel, ATP-sensitive (Quignard, J.-F. (399) 9)

Memory

α_2 -Adrenoceptor; Atipamezole; Ageing; Cholinergic system; Noradrenergic system (Haapalinna, A. (387) 141)

CO-induced amnesia; Neuroactive steroid; Pregnenolone; Dehydroepiandrosterone; Learning; (Mouse) (Maurice, T. (390) 145)

Nicotine; Attention; Learning (Levin, E.D. (393) 141)

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Learning; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

AMPA receptor; Object recognition; S 18986-1; (Rat) (Lebrun, C. (401) 205)

Phosphatidylserine; Reserpine; Passive avoidance (Alves, C.S.D. (404) 161)

Anabolic steroid; Pregnenolone sulfate; Ethylestrenol; Passive avoidance behavior; Non-linear dynamics; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Corticotropin-releasing factor (CRF); Vasopressin; Autonomic nervous system; Learning (Croiset, G. (405) 225)

Schizophrenia; Bipolar disorder; Depression; Synaptic plasticity; Ventricle enlargement; Neurocognitive impairment (Vawter, M.P. (405) 385)

Memory enhancement

Ca^{2+} channel antagonist; Amlodipine; Maze learning; Active avoidance, mice; Chronic drug administration (Quartermain, D. (399) 57)

Memory process

Vasopressin; Hippocampus (Alescio-Lautier, B. (405) 63)

MEN 11270

Bradykinin B_2 receptor; Bradykinin receptor antagonist; Cystitis; Urinary bladder, human; Urinary bladder, rat (Meini, S. (388) 177)

Antagonism; Bradykinin B_2 receptor; FR173657; FR190997; Non-peptide (Meini, S. (409) 185)

Mepacrine

Brain phospholipase A_2 ; Catecholamines, plasma; Sympatho-adrenomedullary outflow, central; Melittin (Yokotani, K. (398) 341)

Cardiomyocyte; Ca^{2+} channel; Phospholipase A_2 ; Arachidonic acid (Xiao, Y.-F. (399) 107)

Mesangial cell, rat

Biscoclaurine alkaloid; (PDGF) Platelet-derived growth factor; (TGF- β) Transforming growth factor- β (Hayama, M. (390) 37)

Mesencephalon

σ Receptor; Organotypic slice culture; *N*-methyl-D-aspartate (NMDA); Dopaminergic neuron (Shimazu, S. (388) 139)

Mesenteric arterial bed

Acidosis; ATP; P_2X receptor; pH; Purine; Vasoconstriction (Ralevic, V. (406) 99)

Mesenteric arteriole

Vasopressin; Microvascular constriction; Cremasteric arteriole; OPC-21268; OPC-31260 (Ishiguro, S. (400) 121)

Mesenteric artery

Somatostatin; Aorta; Ca^{2+} (Ruiz, E. (388) 255)

Berberine; Nitric oxide (NO); K^+ channel; Ca^{2+} channel; Vasorelaxation; Proliferation; (Rat) (Ko, W.-H. (399) 187)

Ischemia–reperfusion; Neutrophil; Oedema; Inflammation (Souza, D.G. (403) 121)

Mesenteric artery, rat

α_1 -Adrenoceptor subtype; Methoxamine; Cirazoline; P7480; BMY 7378 (Hussain, M.B. (395) 69)

Endothelium; Levromakalim; Hyperpolarisation; 18α -Glycyrrhetic acid; Carbachol (White, R. (397) 279)

cAMP; Levromakalim; Forskolin; Protein kinase A; K_{ATP} channels (Omar, R. (401) 85)

Mesenteric bed

Nitric oxide (NO); N^{ω} -nitro-L-arginine methyl ester; Depolarization; KCl; Nitric oxide (NO) synthase (Mendizabal, V.E. (409) 85)

Mesenteric blood flow

5-HT (5-hydroxytryptamine, serotonin); α -Methyl-5-hydroxytryptamine; Vasoconstrictor effect; 5-HT $_{2B/2C}$ receptor (Fernández, M.M. (401) 221)

Mesenteric, 5th branch

Trandolapril; Angiotensin-converting enzyme inhibitor; Cholesterol-fed, rabbit; Aorta; Coronary artery (Sanz, M. (397) 359)

Mesentery, hamster

Adenosine; ATP; Prejunctional neuromodulation; Purine receptor; Sympathetic neurotransmission (Ralevic, V. (387) 287)

Mesolimbic dopamine system

Antidepressant drug; Desipramine; Grooming; Locomotor activity; Open field; Restraint stress; Chronic mild stress (D'Aquila, P.S. (399) 43)

Antidepressant drug; Dopamine; Depression; Mania (D'Aquila, P.S. (405) 365)

Mesothelial cell

Angiotensin II; Angiotensin II type 1 receptor; Ca^{2+} , cytosolic; Pleura (Kuwahara, M. (388) 21)

[^3H]Mesulergine

5-HT $_7$ receptor; Ileum, mouse (Hemedah, M. (387) 265)

Metabotropic

Glutamate; Receptor; Antagonist; 2-Methyl-6-(phenylethynyl)-pyridine (MPEP) (Spooren, W.P.J.M. (406) 403)

Metabotropic glutamate receptor

Antinociception; Opioid; Dizocilpine (MK-801); NMDA receptor; (*S*)-4CPG ((*S*)-4-carboxyphenylglycine) (Suzuki, T. (396) 23)

Metabotropic receptor

Glutamate; Mouse (Spooren, W.P.J.M. (397) R1)

Meta-chlorophenylpiperazine

5-HT (5-Hydroxytryptamine serotonin); 5-HT receptor; FLIPR (fluorescent imaging plate reader); Fluorescence; 8-OH-DPAT (8-hydroxy-*N*,*N*-dipropylaminotetralin) (Wood, M. (396) 1)

Meta-hydroxyephedrine

Noradrenaline reuptake site; PET (positron emission tomography); Tricyclic antidepressant; (Human) (Malizia, A.L. (391) 263)

[Met 5]enkephalin

Gender; T-lymphocyte; B-lymphocyte; Proliferation; Opioid receptor (Gabrilovac, J. (392) 101)

Methacholine

Phosphatidylinositol-3-kinase; Wortmannin; Adenosine; 5-HT; Bronchoconstriction; Active sensitisation; Ovalbumin; Brown Norway, rat (Tigani, B. (406) 469)

Methamphetamine

3-Nitropropionic acid; Neurotoxicity; Dopamine; 5-HT, 5-Hydroxytryptamine; Aromatic L-amino acid decarboxylase; Motor behaviour (Eradiri, O.L. (386) 217)

Conopeptide; Conantokin G; Neurotensin; Dynorphin; NMDA receptor (Bush, L. (387) 55)

Sensitization; Adenosine; Adenosine A₁ receptor; Adenosine A_{2A} receptor (Shimazoe, T. (388) 249)

Substance P; Neurotensin; Dopamine; Ibogaine; Cocaine; Drug abuse (Albargues, M.E. (390) 119)

Glutathione; Oxidative stress (Harold, C. (400) 99)

DADLE ([D-Ala², D-Leu⁵]enkephalin); Dopamine transporter (Tsao, L.-I. (404) 89)

Baclofen; Cocaine; Drug-discrimination; (Rat) (Munzar, P. (408) 169)

(R)-Methanandamide

Δ9-Tetrahydrocannabinol; Anandamide; SR 141716; Amphetamine; Operant behavior; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Methocloinnamox

Respiration; Buprenorphine; Opioid receptor agonist; Opioid receptor antagonist; (Rhesus monkey) (Kishioka, S. (391) 289)

Methotrexate

OAT1 (organic anion transporter 1); *p*-Aminohippurate; Probenecid; NSAID (nonsteroidal anti-inflammatory drug); Kidney; (Rat) (Uwai, Y. (409) 31)

Methoxamine

α₁-Adrenoceptor subtype; Cirazoline; P7480; Mesenteric artery, rat; BMY 7378 (Hussain, M.B. (395) 69)

Methyclothiazide

Thiazide; Endothelium; Ca²⁺; Spontaneously hypertensive, rat (SHR); Hypertension (Colas, B. (408) 63)

Methylene methylimino linkage

Antisense; Platelet-derived growth factor A-chain; Spontaneously hypertensive rat (SHR); Smooth muscle cell, vascular (Kishioka, H. (392) 129)

α-Methyl-5-hydroxytryptamine

5-HT (5-hydroxytryptamine, serotonin); Vasoconstrictor effect; Mesenteric blood flow; 5-HT_{2B/2C} receptor (Fernández, M.M. (401) 221)

Methyllycaconitine

Hippocampus; Choline; Interneuron; Nicotinic receptor; Excitation; GABA (γ-aminobutyric acid) (Alkondon, M. (393) 59)

α-Methyl-para-tyrosine

Dopamine; Dopamine D₂ receptor, extrastriatal; [¹²³I]Epidepride; SPECT (Single photon emission computed tomography); Schizophrenia; Binding, in vivo (Fujita, M. (387) 179)

2-Methyl-6-(phenylethynyl)-pyridine (MPEP)

Glutamate; Receptor; Metabotropic; Antagonist (Spooren, W.P.J.M. (406) 403)

Metoprolol

Ramipril; Myocardial infarction; Action potential; Papillary muscle (Wagner, K.-D. (388) 263)

Metrazoline

Imidazoline I₂ receptor ligand; Idazoxan; RX821002; Benazoline; Tracizoline; Food intake; Water intake (Polidori, C. (392) 41)

MF 10058

Muscarinic M₂ receptor antagonist; Cardiosensitive muscarinic receptor antagonist; Antibradycardic agent; Sick sinus syndrome; Bradycardia (Lamperti, G. (406) 93)

mGlu receptor

NAAG (*N*-acetylaspartylglutamate); MCPG ((*R,S*)-α-methyl-4-carboxyphenylglycine); Ischemia; NAALADase (*N*-acetylated α-linked acidic dipeptidase) (Lu, X.-C.M. (408) 233)

mGlu4 receptor

mGlu8 receptor; Pharmacophore model; (Rat) (De Colle, C. (394) 17)

mGlu8 receptor

mGlu4 receptor; Pharmacophore model; (Rat) (De Colle, C. (394) 17)

mGlu₁ receptor, Arg⁷⁸

Agonist binding; Glutamic acid; Quisqualic acid; Mutagenesis (Jensen, A.A. (397) 247)

Mg²⁺ absorption

Escin Ib; Escin IIb; Nitric oxide (NO) (Li, Y. (387) 337)

Mibefradil

Sinus node cell; Ca²⁺ current (Protas, L. (401) 27)

Mice

Naloxone; Morphine; Sensitization; Place conditioning; NMDA receptor antagonist (Blokina, E.A. (406) 227)

Microbiota

Desipramine; Gingivitis; Salivary protein; Salivary flow rate; Tricyclic antidepressant (Koller, M.M. (408) 91)

Microcirculation

FITC-dextran; Arteriole; Permeability; Nitric oxide (NO); Platelet-activating factor (PAF); Nitric oxide synthase (NOS) inhibitor (Klabunde, R.E. (404) 387)

Microdialysis

Apomorphine; Dopamine; *N*-propyl analog; Bioavailability; Striatum (Rodenhuis, N. (387) 39)

Locus coeruleus; Noradrenaline; Cortex, prefrontal; Stress; NMDA receptor; GABA receptor; CRF receptor (Kawahara, H. (387) 279)

ω-Agatoxin IVA-sensitive Ca²⁺ channel; α-Eudesmol; Glutamate release; Synaptosome; Focal ischemia (Asakura, K. (394) 57)

Risperidone; Schizophrenia; Antipsychotic drug; Electrophysiology; Noradrenergic system (Nasif, F.J. (394) 67)

Dopamine receptor agonist; Bioavailability; Striatum; Bioisosteric replacement; Thiophene analog (Rodenhuis, N. (394) 255)

Serotonin (5-hydroxytryptamine, 5-HT); Selective serotonin (5-hydroxytryptamine, 5-HT) reuptake inhibitor; Venlafaxine; YM992; Antidepressant (Hatanaka, K.-i. (395) 23)

Norepinephrine; 5-HT_{2A} receptor antagonist; YM992; Venlafaxine; Antidepressant (Hatanaka, K.-i. (395) 31)

Somatostatin; Subiculum; Somatostatin sst2 receptor; Dopamine (Mitchell, S.N. (395) 43)

γ -Aminobutyric acid (GABA); Dopamine; Cocaine; γ -Vinyl GABA (vigabatrin); γ -Aminobutyric acid (GABA) reuptake inhibitor (Gerashimov, M.R. (395) 129)

5-Hydroxytryptamine, serotonin (5-HT); Citalopram; Hippocampus, ventral; 5-Hydroxytryptamine, serotonin (5-HT) reuptake inhibitor, selective (Cremers, T.I.F.H. (397) 63)

Chronic treatment; 5-HT (5-hydroxytryptamine, serotonin); (Rat) (Cremers, T.I.F.H. (397) 351)

Gabapentin; Substantia nigra reticulata; γ -Aminobutyric acid (Timmerman, W. (398) 53)

Ensaculin; Dopamine; DOPAC (3,4-dihydroxyphenylacetic acid); Glutamate; Rat (Teismann, P. (398) 247)

Clozapine; Haloperidol; Ritanerlin; Ascorbic acid; Ethanol; (Rat) (Liu, W. (398) 333)

Domoic acid; DNQX; MK-801; Dopamine; Striatum, rat (Quintela, B.A. (401) 173)

Acetylcholine; Hippocampus; HU 210; Cortex, prefrontal; SR 141716A; WIN 55, 212-2 (Acquas, E. (401) 179)

Nucleus tractus solitarius; Nitric oxide; Glutamate (Lin, H.-C. (407) 83)

Paroxetine; Desipramine; 5-HT; Noradrenaline (Hajós-Korcsok, É. (407) 101)

Histamine; Histamine release; Veratrine; Ouabain (Washington, B. (407) 117)

Dopamine; Subiculum; Nucleus accumbens; Fimbria-fornix; (Rat) (Mitchell, S.N. (407) 131)

Dizocilpine (MK801); Levodopa; 6-Hydroxydopamine (Jonkers, N. (407) 281)

Dopamine; Nicotine; Ethanol; Nucleus accumbens; Selected line (Kianmaa, K. (407) 293)

Adenosine; Adenosine kinase; Adenosine deaminase; Formalin; Pain; Inflammation (Liu, X.J. (408) 143)

Amino acid; Dopamine; Guanidinoethyl sulfonate; (Rat) (Olive, M.F. (409) 291)

Microdialysis, in vivo

α -Fluoromethylhistidine; Gastrin; Histamine; Histidine decarboxylase; ECL cell; Secretory vesicle; Stomach (Norlén, P. (400) 1)

5-HT (5-hydroxytryptamine, serotonin); Paroxetine; Tianeptine; Frontal cortex; Raphe nuclei (Malagü, I. (403) 55)

Dopamine; Prefrontal cortex; Shuttle-box; Working memory; (Gerbil) (Stark, H. (405) 263)

5-HT_{1A} receptor; 5-HT (5-hydroxytryptamine, serotonin) release; WAY 100635 (Assié, M.-B. (409) 173)

Microglia

Alzheimer's disease; NSAIDs; Aspirin; Interferon- γ (Ogawa, O. (408) 137)

Microinjection

Paraventricular nucleus; Excitatory amino acid; Cardiovascular regulation; Central; (Rat) (Gören, M.Z. (388) 77)

Microiontophoresis

Cocaine; Cerebellum; Norepinephrine; Purkinje cell; Glutamate; (Rat) (Jiménez-Rivera, C.A. (407) 91)

Microphysiometer

Lipopolysaccharide, bacterial; Bradykinin receptor; Aortic endothelial cell, bovine; FR173657 (Bentley, K.R. (402) 11)

Microphysiometry

Dopamine; D3 receptor; BP 897; Radioligand binding (Wood, M.D. (407) 47)

Microsphere

Diltiazem; Coronary flow; Heart, isolated, rat; Ischemia; Reperfusion (Katsumata, N. (398) 83)

Microtubule

Insulin; Primary culture of hepatocyte; Tyrosine phosphorylation; cAMP phosphodiesterase; Wortmannin; Herbimycin A (Ishibashi, K. (409) 109)

Microvascular constriction

Vasopressin; Mesenteric arteriole; Cremasteric arteriole; OPC-21268; OPC-31260 (Ishiguro, S. (400) 121)

Micturition reflex

Tachykinin NK₁ receptor; Tachykinin NK₂ receptor; Orphanin FQ; Tachykinin (Lecci, A. (389) 99)

TAK-637; Tachykinin NK₁ receptor antagonist, non-peptide; Urinary tract, lower (Doi, T. (395) 241)

TAK-637; Tachykinin NK₁ receptor antagonist, non-peptide; Spinal cord; Electrical stimulation (Kamo, I. (401) 235)

Middle cerebral artery occlusion

Cerebral ischemia; Cerebral blood flow, local (Takamatsu, H. (398) 375)

Middle meningeal artery

Coronary artery; Eletriptan; GR125743; Migraine; Saphenous vein; Serotonin; Sumatriptan; (Human) (Van den Broek, R.W.M. (407) 165)

Migraine

Vasodilation; Sensory nerve fibre; CGRP (calcitonin-gene-related peptide) (Olivar, T. (395) 61)

Coronary artery; Eletriptan; GR125743; Middle meningeal artery; Saphenous vein; Serotonin; Sumatriptan; (Human) (Van den Broek, R.W.M. (407) 165)

5-HT_{1B/1D} receptor agonist; Almotriptan; Preclinical study (Gras, J. (410) 43)

Cardiovascular safety; 5-HT_{1B/1D} receptor agonist; Almotriptan (Gras, J. (410) 53)

Migration

Peroxisome proliferator-activated receptor (PPAR); Retinoid X receptor (RXR); Inflammation; Monocyte; Matrix metalloproteinase (Kintscher, U. (401) 259)

Mineralization

Nitric oxide (NO); Stromal cell; Osteoblast-like cell; Differentiation (Koyama, A. (391) 225)

Mineralocorticoid receptor

5-HT_{1A} receptor agonist; Flesinoxan; Glucocorticoid receptor; Hippocampus; Dorsal raphe nucleus (Sibug, R.M. (404) 111)

Glucocorticoid receptor; Hypothalamic–pituitary–adrenocortical axis; Stress; Antidepressants; Major depression (Reul, J.M.H.M. (405) 235)

Mitochondrial energy metabolism

ATP–MgCl₂; Mitochondrial enzyme; Lipid peroxidation; Hepatic ischemia/reperfusion (Jeong, C. (403) 243)

Mitochondrial enzyme

ATP–MgCl₂; Mitochondrial energy metabolism; Lipid peroxidation; Hepatic ischemia/reperfusion (Jeong, C. (403) 243)

Mitochondrial toxin

3-Nitropropionic acid; Seizure; GABA (γ -aminobutyric acid); 4-Aminopyridine; Electroconvulsion (Haberek, G. (403) 229)

Mitochondrion

[³H]Adenosine; Adenosine uptake; Testis, rat; Benzodiazepine receptor ligand, mitochondrial (Jiménez, A. (398) 31)

Cerebrocortical neuronal culture; Glutamate excitotoxicity; Permeability transition pore; Reactive oxygen species; Cyclophilin; Cyclosporin A; Calcineurin; Nitric oxide (NO) synthase; Adenine nucleotide; Poly (ADP-ribose) polymerase (Ruiz, F. (404) 29)

Astrocyte; Ca²⁺; LDH (lactate dehydrogenase); MTT; Na⁺,K⁺-ATPase; Ouabain (Takahashi, S. (408) 127)

Mitogen-activated protein kinase

Phospholipase A₂; Nuclear-factor- κ B; Interleukin-1; Inflammation (Burgermeister, E. (388) 195)

Nonvascular smooth muscle; Contraction; Prostaglandin F_{2 α} ; Carbachol (Yousufzai, S.Y.K. (407) 17)

Mitogen-activated protein kinases

LL-Z1640-2; Radicol; c-Jun N-terminal kinase; HgCl₂ (Matsuoka, M. (409) 155)

Mitogen-activated protein (MAP) kinase

Picroside I; Picroside II; Neurite outgrowth activity; Nerve growth factor (NGF); PC12D cell (Li, P. (406) 203)

Mitogenesis

Protein kinase A; Rp-cAMPS; H-89 (Osinski, M.T. (395) 173)

Mitogenic signal transduction

α_7 Nicotinic receptor; Nicotine; Nicotine-derived nitrosamine; Small cell lung carcinoma; Pulmonary neuroendocrine cell (Schuller, H.M. (393) 265)

Mitoxantrone

Heart; Anti-muscarinic action; (Guinea pig) (Chugun, A. (407) 183)

[³H]MK-801

NMDA receptor; σ site; [³H]Ifenprodil; Hippocampal brain membrane, porcine (Höfner, G. (394) 211)

MK-801

Clozapine-induced potentiation; NMDA receptor; Haloperidol; Long-term potentiation; Perforant path–dentate gyrus pathway (Kubota, T. (395) 37)

NMDA receptor; Receptor occupancy, in vivo; NR2B subunit; Radioligand binding (Murray, F. (397) 263)

Domoic acid; DNQX; Dopamine; Microdialysis; Striatum, rat (Quintela, B.A. (401) 173)

MK-912

α_2 -Adrenoceptor; Agonist, Inverse; G protein-coupled receptor; RX821002; GTP; Rauwolscine (Murrin, L.C. (398) 185)

MK 571

Pulmonary artery, human; Contraction; Cysteinyl–leukotriene receptor; Prostacyclin; BAY u9773 (Bäck, M. (401) 389)

Modelling

CCK₁ receptor; Binding site; SR 27897; SR 146131 (Gouldson, P. (400) 185)

Moguisteine

Cough reflex; ATP-sensitive K⁺ channel; Anti-tussive drug (Morita, K. (395) 161)

Molecular biology

Psychoneuroendocrinology; Psychoneuroimmunoendocrinology; Genetic (Brambilla, F. (405) 341)

Molecular cloning

α_{1a} -Adrenoceptor; α_{1b} -Adrenoceptor; α_{1d} -Adrenoceptor; Rabbit; Pharmacology; Tissue distribution (Piao, H. (396) 9)

Molecular epidemiology

Pharmacogenetic; Pharmacogenomic; Genotype; Phenotype; DNA sequence variants; Population genetic; Patient-pair studies (Nebert, D.W. (410) 107)

Molecular model

Nicotinic acetylcholine receptor; Epibatidine; ABT-594; A-85380; Analgesia; Antinociception (Meyer, M.D. (393) 171)

Cannabinoid receptor; SR 144528; WIN 55212-2; Mutagenesis; Ligand docking (Gouldson, P. (401) 17)

Molecule antagonist

Species selectivity; CCR1 (Liang, M. (389) 41)

Momordin Ic

Gastrointestinal transit; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₂ receptor; Prostaglandin (Li, Y. (392) 71)

Monoamine

Antidepressant; Mechanism of action; Neuropeptide; Intracellular signaling; Transcription factor (Vetulani, J. (405) 351)

Hypothalamo-pituitary-adrenal axis; Aggressive behavior; Pertussis toxin; (Mouse) (Kim, D.-H. (409) 67)

SCH23390; Eticlopride; Species-specificity (Sandoval, V. (409) 265)

Monoamine oxidase

Hydrogen peroxide; Adipocyte, white; Cell metabolism (Raimondi, L. (395) 177)

Pharmacogenetics; 5-HT (5-hydroxytryptamine, serotonin); Tryptophan hydroxylase; 5-HT receptor; 5-HT (5-hydroxytryptamine, serotonin) transporter; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective; Clozapine (Veenstra-VanderWeele, J. (410) 165)

Monoamine oxidase inhibitor

[³⁵S]GTP γ S binding, agonist-stimulated; Dopamine D₂-like receptor; Quinpirole; Striatum; (Rat) (Gilliland, S.L. (392) 125)

Anxiety; Conditioned fear stress; Freezing behavior (Maki, Y. (406) 411)

Monocyte

Peroxisome proliferator-activated receptor (PPAR); Retinoid X receptor (RXR); Inflammation; Migration; Matrix metalloproteinase (Kintscher, U. (401) 259)

Pravastatin; Inflammation; Lipid metabolism; Pro-inflammatory molecule (Grip, O. (410) 83)

Mononuclear cell peripheral blood

FK506 (Tacrolimus); Neutrophil chemotaxis; Interleukin-8 (Sasakawa, Y. (403) 281)

Monosodium glutamate

Smooth muscle; Adenosine-5'-triphosphate; Acetylcholine; Bradykinin; Angiotensin II (Sukhanov, S.N. (386) 247)

Morphine

Dihydroetorphine; Physical dependence; Stereotypy; Continuous infusion; (Rat) (Aceto, M.D. (387) 31)

Dopamine; Electrophysiology (Melis, M. (387) R1)

Noradrenaline; Dopamine; Hypothalamus–pituitary–adrenocortical axis; Tolerance; Paraventricular nucleus (Fuertes, G. (388) 49)

μ -Opioid receptor; Tolerance; Desensitization; cAMP-dependent protein kinase; *N*-(2-aminoethyl)-5-isoquinolinesulfonamide (H8) (Wang, Z. (389) 165)

Fluoxetine; Conditioned place preference; RB 120; CI 988; CCK₂ receptor antagonist (Subhan, F. (390) 137)

C-fibre; Flexor reflex; Rostral ventromedial medulla; Wind-up; Spino-bulbo-spinal; Inhibitory feedback mechanism (Gozariu, M. (394) 75)

TRK-820; U-50,488H; Antinociceptive tolerance; (Mouse) (Tsuji, M. (394) 91)

Antinociception; Locomotor activity; Straub tail; SC17599; (Mouse) (Houshyar, H. (395) 121)

Analgesia; NMDA receptor; AMPA receptor; Spinal cord; (Rat) (Nishiyama, T. (395) 203)

Antinociception; NMDA receptor antagonist; D-CPPene (SDZ EAA 494); Memantine; MRZ 2/579; MRZ 2/576; ACEA-1021 (Belozertseva, I.V. (396) 77)

Diabetes; Nitric oxide (NO); Aminoguanidine; Antinociception (Grover, V.S. (399) 161)

Sildenafil; cGMP; *N*^G-L-nitro-arginine methyl ester (L-NAME); ODQ (1*H*-[1,2,4]-oxadiazolo[4,3-*a*]quinoxalin-1-one); Naloxone (Mixcoatl-Zecuatl, T. (400) 81)

Enkephalin catabolism, mixed inhibitors; Enkephalin, endogenous; Drug discrimination; CI 988; CCK₁ receptor antagonist; RB 120 (Hutcheson, D.M. (401) 197)

Hyperalgesia; Ventral posterolateral nucleus; Excitatory amino acid; Riluzole; Dizocilpine (Abarca, C. (403) 67)

Nociceptin; Orphanin FQ; ORL1 receptor; Conditioned place preference; Spatial learning; Locomotor sensitization (Ciccocioppo, R. (404) 153)

Naloxone; Sensitization; Place conditioning; NMDA receptor antagonist; Mice (Blokhina, E.A. (406) 227)

Neuropeptide FF; Adenosine; Spinal cord; Antinociception (Gouardères, C. (406) 391)

Zn²⁺; Intrathecal; Antinociception; Tolerance; Dependence (Larson, A.A. (407) 267)

Morphine dependence

Morphine tolerance; Naloxone; Opiate withdrawal; Cerebral blood flow; Laser–Doppler flowmetry, (Rat) (Zamani, R. (408) 299)

Morphine tolerance; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Morphine tolerance

Morphine dependence; Naloxone; Opiate withdrawal; Cerebral blood flow; Laser–Doppler flowmetry, (Rat) (Zamani, R. (408) 299)

Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Morphine withdrawal

Prostaglandin; Prostanoid EP₃ receptor; μ -Opioid receptor; *c-fos*; Locus coeruleus (Nakagawa, T. (390) 257)

Ventricle, right; Catecholaminergic activity; Yohimbine; Prazosin (Milanés, M.V. (397) 311)

Morris water maze

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Learning; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

Motilin

EM574; Cisapride; Gastric emptying; (Dog) (Sako, F. (395) 165)

Motivation

Acetylcholine; Cholinergic; Glutamate; Interaction; Behaviour (Aura, J. (390) 313)

Motor activity

Cocaine; Conditioning; Dizocilpine (MK-801); D-CPPene (SDZ EAA 494); Memantine; ACEA-1021; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

Dopamine; Dopamine D₃ receptor; (+)-PD128,907; Postnatal development (Heijtz, R.D. (392) 35)

Glutamate receptor, metabotropic; Amphetamine; LY379268; Stereotypy (Cartmell, J. (400) 221)

Adenosine A_{2A} receptor; SCH 58261; ZM 241385; CGS 21680; Knock-out, mouse (El Yacoubi, M. (401) 63)

Motor behavior

Nitric oxide (NO); NMDA (*N*-methyl-D-aspartate); Anxiety; Ultrasonic vocalization; (Rat) (Podhorna, J. (408) 265)

Motor behaviour

Methamphetamine; 3-Nitropropionic acid; Neurotoxicity; Dopamine; 5-HT, 5-Hydroxytryptamine; Aromatic L-amino acid decarboxylase (Eradiri, O.L. (386) 217)

Motor neuron

Amyotrophic lateral sclerosis (ALS); Apoptosis; Cell culture; Tissue culture; Neurodegenerative disease (Bär, P.R. (405) 285)

Mouse

Glutamate; Metabotropic receptor (Spooren, W.P.J.M. (397) R1)

Movement

Δ^9 -Tetrahydrocannabinol; Activity; Cannabinoid; Biphasic effect (Sañudo-Peña, M.C. (391) 269)

Movement disorder

Nootropic drug; Epilepsy; Anticonvulsant drug (Löscher, W. (391) 251)

Dystonia; Paroxysmal choreoathetosis; Barbiturate; GABA (γ -aminobutyric acid) (Richter, A. (397) 343)

Movement disorders

Adenosine receptor agonist; Basal ganglia disorder; Dystonia (Richter, A. (404) 299)

Moxifloxacin

Fluoroquinolones; Sparfloxacin; Grepafloxacin; Ciprofloxacin; Purkinje fibre; Cardiac action potential; (Canine) (Patmore, L. (406) 449)

Moxonidine

Collagen; Heart failure; Hypertrophy; Sympathetic activation; (Rat) (Van Kerckhoven, R. (397) 113)

MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropteridine)

Nicotinic receptor; Parkinson's disease; Hybridization, in situ; Neuroprotection; (Monkey) (Quik, M. (393) 223)

MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine)

Dopamine D_4 receptor; L-Dopa-induced dyskinesia; JL-18; Parkinson's disease (Tahar, A.H. (399) 183)

mRNA

Droloxifene; Luteal cell; Apoptosis; *c-myc*; *bax*; *bcl-2* (Leng, Y. (409) 123)

mRNA detection

Receptor expression; Ligand binding; cAMP (Dautzenberg, F.M. (390) 51)

MRP₁ (multidrug resistance-associated protein)

Multidrug resistance; *P*-glycoprotein; Daunorubicin; Calcein-AM; Inhibitor; PAK-104P (Marbeuf-Gueye, C. (391) 207)

MRP2 (multidrug resistance protein 2)

Multidrug resistance protein; Intestine (Van Aubel, R.A.M.H. (400) 195)

MRZ 2/576

Morphine; Antinociception; NMDA receptor antagonist; D-CPPene (SDZ EAA 494); Memantine; MRZ 2/579; ACEA-1021 (Belozertseva, I.V. (396) 77)

MRZ 2/579

Morphine; Antinociception; NMDA receptor antagonist; D-CPPene (SDZ EAA 494); Memantine; MRZ 2/576; ACEA-1021 (Belozertseva, I.V. (396) 77)

MS-377

σ Binding site; Radiolabeled ligand binding; Brain membrane, rat (Karasawa, J.-i. (400) 51)

Prepulse inhibition; Apomorphine; Phencyclidine; $\sigma 1$ Receptor ligand (Yamada, S. (402) 251)

 α -MSH (α -melanocyte stimulating hormone)

Feeding; Neuropeptide Y; (Chick) (Kawakami, S.-i. (398) 361)

MSH (melanocyte-stimulating hormone)

ACTH (adrenocorticotrophic hormone); Melanocortin receptor; Brain melanocortin system; Peptide-receptor interaction; Avoidance; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

MTT

Astrocyte; Ca^{2+} ; LDH (lactate dehydrogenase); Mitochondrion; Na^+ , K^+ -ATPase; Ouabain (Takahashi, S. (408) 127)

Mucus score

Neutrophil elastase inhibitor; Ozone-exposure; Goblet cell hypersecretion (Nogami, H. (390) 197)

Multidrug resistance

P-glycoprotein; MRP₁ (multidrug resistance-associated protein); Daunorubicin; Calcein-AM; Inhibitor; PAK-104P (Marbeuf-Gueye, C. (391) 207)

Multidrug resistance protein

Calcium ion; cAMP; Fluid secretion; Calcein (Sugita, M. (388) 227)

MRP2 (multidrug resistance protein 2); Intestine (Van Aubel, R.A.M.H. (400) 195)

Muscarinic acetylcholine receptor

β -Adrenoceptor; Radioligand binding (Manukhin, B.N. (386) 279)

Scopolamine; Prepulse inhibition; Startle; Apomorphine; Phencyclidine; Dopamine receptor; Glutamate receptor; (Rat) (Jones, C.K. (391) 105)

Muscarinic M₂ receptor antagonist

MF 10058; Cardiosselective muscarinic receptor antagonist; Antibradycardic agent; Sick sinus syndrome; Bradycardia (Lamperti, G. (406) 93)

Muscarinic receptor

Gallbladder; Receptor heterogeneity; Radioligand binding; Kinetics; Ca^{2+} , Intracellular; Ca^{2+} , Extracellular; Sr^{2+} ; (Guinea pig) (Akici, A. (388) 115)

Olanzapine; Clozapine; Binding; Antipsychotic (Bymaster, F.P. (390) 245)

Alzheimer's disease; Amyloid precursor protein; Amyloid- β peptide; Plaque; Tau; Tangle; Nicotine; Nicotinic receptor; Cholinesterase inhibitor (Hellström-Lindahl, E. (393) 255)

Sphingosine 1-phosphate; Dimethylsphingosine; Ins(1,4,5) P_3 ; Ca^{2+} mobilisation; SH-SY5Y neuroblastoma cell (Young, K.W. (402) 55)

Rabies virus; NG108-15 cell; Ca^{2+} current; α -Adrenoceptor; Patch clamp, Whole-cell (Iwata, M. (404) 79)

Muscarinic receptor agonist

Cocaine; Self-administration; Drug-naïve; (Mouse) (Rasmussen, T. (402) 241)

Muscarinic receptor subtype

Ileum, avian; Binding affinity; Functional affinity (Darroch, S. (402) 161)

Muscimol

GABA_A receptor subtype; Brain regional heterogeneity; [35 S]TBPS binding; Agonist coupling; Taurine; β -Alanine; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Mushroom body

Dopamine receptor; [^3H]Lysergic acid diethylamide (LSD); (Locust); (Insect) (Degen, J. (396) 59)

Mustard oil

Vagal afferent; Somatostatin; Capsaicin; Antidromic stimulation; Anti-inflammatory effect (Thán, M. (399) 251)

Mutagenesis

Allosteric modulator; Catecholamine (Schetz, J.A. (388) R5)

Cholecystokinin CCK₁ receptor; Charged residue; SR 27897; SR 146131 (Gouldson, P. (389) 115)

mGlu₁ receptor, Arg⁷⁸; Agonist binding; Glutamic acid; Quisqualic acid (Jensen, A.A. (397) 247)

Cannabinoid receptor; SR 144528; WIN 55212-2; Ligand docking; Molecular model (Gouldson, P. (401) 17)

Opioid receptor; Ligand selectivity; [^{35}S]GTP γ S (Bonner, G. (403) 37)

Mutation

Acetylcholine receptor; Epilepsy (Steinlein, O.K. (393) 243)

Dopamine receptor; Pharmacogenetics; Polymorphism; Antipsychotic; Schizophrenia (Wong, A.H.C. (410) 183)

Mycotoxin

InsP₃ receptor; Ca²⁺ signalling; Paxilline (Longland, C.L. (408) 219)

Myelopoiesis

Ehrlich ascites tumour; Antitumour; MAPA (magnesium ammonium phospholipoleate-palmitoleate anhydride); CFU-GM (colony-forming unit-granulocyte-macrophage) (Justo, G.Z. (388) 219)

Myenteric neuron

Capsaicin; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); VIP (Vasoactive intestinal polypeptide); PACAP (Pituitary adenylate cyclase activating peptide); NO (Nitric oxide); Small intestine (Barthó, L. (392) 183)

Myocardial contractility

Ca²⁺-responsiveness; Ca²⁺-sensitizer; End-systolic elastance; Stunning (De Zeeuw, S. (403) 99)

Myocardial contraction

Amylin; Adrenomedullin; Calcitonin gene-related peptide (CGRP); Calcitonin receptor-like receptor; Receptor associated modifying protein (RAMP) (Saetrum Opgaard, O. (397) 373)

Myocardial infarct

Nitric oxide synthase inhibition; Angiotensin II cardiac; Angiotensin AT₁ receptor antagonist (Verhagen, A.M.G. (400) 239)

Myocardial infarction

Adenosine receptor agonist; Protection, delayed; (Minipig) (Meng, H. (387) 101)

Metoprolol; Ramipril; Action potential; Papillary muscle (Wagner, K.-D. (388) 263)

TY-12533; Na⁺/H⁺ exchanger; Ischemia; Reperfusion; Arrhythmia (Aihara, K. (404) 221)

Myocardial infarct size

Sodium–hydrogen exchanger; Arrhythmias (Gumina, R.J. (396) 119)

Myocardial ischaemia

Antiarrhythmic; Class I; Arrhythmia; Proarrhythmia (Barrett, T.D. (398) 365)

Myocardial ischemia

K_{ATP} channel; Hypertension; Arrhythmias; Reperfusion (Lee, Y.-M. (397) 151)

Na⁺/H⁺ exchange; Reperfusion injury (Yamada, K. (404) 201)

β -Adrenoceptor antagonist; Antioxidant (Gao, F. (406) 109)

Myocardial oxygen consumption

Ca²⁺ sensitizer; Diastolic function, regional; Systolic shortening, regional; Systemic haemodynamics (Soei, L.K. (386) 55)

Myocyte

Anaesthetic volatile; Action potential; Arrhythmia; K_{ATP} channel; Patch clamp (Terrenoire, C. (390) 95)

Vasopressin; Vasopressin V_{1A} receptor; Vasopressin V₂ receptor; Hypertrophy; Cell culture (Nakamura, Y. (391) 39)

Adrenomedullin; Papillary muscle; Heart, isolated; Ca²⁺ transient; (Rat) (Stangl, V. (408) 83)

Myofibrillar Ca²⁺ sensitivity

Positive inotropic effect; Ventricular muscle, dog; Ca²⁺ transient; cAMP; Levosimendan (Takahashi, R. (400) 103)

Myoglobin

Ventricular cardiomyocyte, rat; Contractile function; Ca²⁺ channel, L-type; Nitric oxide (NO) (Vulcu, S.D. (406) 247)

Myometrium (porcine)

α_2 -Adrenoceptor; Clonidine; Ca²⁺, intracellular; cAMP; Ca²⁺ sensitivity (Kitazawa, T. (390) 185)

Na⁺

Cyclosporine A; Enalapril; Valsartan; Angiotensin II; Vascular response (Lassila, M. (398) 99)

Ouabain; Ca²⁺; Aldosterone; Na(+)–K(+)–exchanging ATPase (Yingst, D.R. (406) 49)

Na⁺/Ca²⁺ exchange

Antisense oligodeoxynucleotide; Ca²⁺ pump; Ca²⁺ concentration, Intracellular; Thapsigargin (Nakao, M. (387) 273)

Na⁺ channel

Hippocampal neuron; Veratridine; Swelling; Death; Ca²⁺ channel (Okuyama, K. (398) 209)

Amitriptyline; Antidepressant; Tetrodotoxin-sensitive; Tetrodotoxin-resistant; Dorsal root ganglion (Song, J.-H. (401) 297)

8-OH-DPAT; 5-HT_{1A} receptor; Ca²⁺ channel; Neuroprotection; Ischemia (Melena, J. (406) 319)

Na⁺ channel antagonist

Cerebral ischaemia model; Ca²⁺ channel antagonist; Electrophysiology (Campbell, C.A. (401) 419)

Na⁺ current

Hippocampus; Electrophysiology; Epileptiform activity; *Aconitum* alkaloid (Ameri, A. (386) 187)

Neuroprotection; Glutamate transporter; Glutamate uptake (Shimada, F. (386) 263)

l-cis-Diltiazem; *d-cis*-Diltiazem; Patch-clamp; Whole-cell; Ca^{2+} overload; Lysophosphatidylcholine (Hashimoto, Y. (391) 217)

Na^+ -glucose cotransporter

Streptozotocin; T-1095; Phlorizin; Glucose clamp; Glucose tolerance test; Glucose transporter; Insulin sensitivity; Insulin secretion (Oku, A. (391) 183)

Na^+/H^+ exchange

Myocardial ischemia; Reperfusion injury (Yamada, K. (404) 201)

Na^+/H^+ exchanger

Arrhythmias; Myocardial infarct size (Gumina, R.J. (396) 119)

TY-12533; Ischemia; Reperfusion; Arrhythmia; Myocardial infarction (Aihara, K. (404) 221)

Na^+ , K^+ -ATPase

Nitric oxide (NO); cGMP-dependent protein kinase; Aging; Trachea, rat (Scavone, C. (388) 1)

Oligomycin; Ca^{2+} -ATPase; Na^+ occlusion; Chimeric ATPase (Homareda, H. (400) 177)

Na^+ , K^+ ATPase

Nerve conduction; Blood flow; K^+ channel opener; Oxidative stress; Glutathione; Neuropathy; Diabetic rat (Hohman, T.C. (397) 335)

Diabetes; Ouabain; Phenylephrine; Vascular reactivity; Streptozotocin; Nitric oxide; (Rat) (Davel, A.P.C. (406) 419)

Astrocyte; Ca^{2+} ; LDH (lactate dehydrogenase); Mitochondrion; MTT; Ouabain (Takahashi, S. (408) 127)

Na^+ occlusion

Oligomycin; Na^+ , K^+ -ATPase; Ca^{2+} -ATPase; Chimeric ATPase (Homareda, H. (400) 177)

NAAG (*N*-acetylasparylglutamate)

mGlu receptor; MCPG ((*R,S*)- α -methyl-4-carboxyphenylglycine); Ischemia; NAALADase (*N*-acetylated α -linked acidic dipeptidase) (Lu, X.-C.M. (408) 233)

NAALADase inhibition (*N*-acetylated- α -linked-acidic dipeptidase)

Stroke; Neuroprotection; (Rat) (Tortella, F.C. (402) 31)

NAALADase (*N*-acetylated α -linked acidic dipeptidase)

NAAG (*N*-acetylasparylglutamate); mGlu receptor; MCPG ((*R,S*)- α -methyl-4-carboxyphenylglycine); Ischemia (Lu, X.-C.M. (408) 233)

***N'*-acetyl-5-hydroxytryptamine (*N'*-acetyl-5-HT)**

Pineal gland; Melatonin; Suramin; P2-receptor (Mortani Barbosa Jr., E.J. (401) 59)

NADH-ubiquinone reductase

Iodonium; NADPH oxidase; Xanthine oxidase; Nitric oxidase (NO) synthase (Moulton, P. (401) 115)

NADPH oxidase

Iodonium; Xanthine oxidase; Nitric oxidase (NO) synthase; NADH-ubiquinone reductase (Moulton, P. (401) 115)

Na^+ (+)- K^+ (+)-exchanging ATPase

Ouabain; Na^+ ; Ca^{2+} ; Aldosterone (Yingst, D.R. (406) 49)

Naloxonazine

Dermorphin N-terminal tetrapeptide; Tail-flick test; β -Funaltrexamine; μ_1 -Opioid receptor (Sakurada, S. (395) 107)

[^3H]Naloxone

Amphibian; Antinociception; Opioid receptor (Newman, L.C. (397) 255)

Naloxone

Leukotriene; Opioid; Nociception; LTD₄ receptor antagonist (Gök, Ş. (386) 195)

Anxiety; Plus-maze; Opiate; Benzodiazepine (Belzung, C. (394) 289)

Morphine; Sildenafil; cGMP; *N*^G-L-nitro-arginine methyl ester (L-NAME); ODQ (1 *H*-[1,2,4]-oxadiazolo[4,3-*a*]quinoxalin-1-one) (Mixcoat-Zecuatl, T. (400) 81)

Melatonin; Central nervous system; Analgesia (Yu, C.-X. (403) 49)

Morphine; Sensitization; Place conditioning; NMDA receptor antagonist; Mice (Blokhina, E.A. (406) 227)

Morphine tolerance; Morphine dependence; Opiate withdrawal; Cerebral blood flow; Laser-Doppler flowmetry, (Rat) (Zamani, R. (408) 299)

Naloxone benzoylhydrazone

Nocistatin; κ -Opioid receptor; Spontaneous alternation; Passive avoidance (Hiramatsu, M. (395) 149)

Naltrexone

Lipopolysaccharide; Melatonin; Dexamethasone; TNF- α (tumor necrosis factor- α); Nitric oxide (NO); Hyperalgesia, central/peripheral (Raghavendra, V. (395) 15)

Ethanol; L-DOPA (L-3,4-dihydroxyphenylalanine); 5-HTP (5-hydroxy-L-tryptophan); Firing rate (Inoue, H. (406) 375)

L-NAME

Nitric oxide (NO); Hypoxic pulmonary vasoconstriction; Pulmonary arterial tone; *N*- γ -nitro-L-arginine methyl ester; Prostaglandin F_{2 α} (Jones, R.D. (402) 111)

***N*-(2-aminoethyl)-5-isoquinolinesulfonamide (H8)**

μ -Opioid receptor; Tolerance; Desensitization; cAMP-dependent protein kinase; Morphine (Wang, Z. (389) 165)

***N*^G-L-nitro-arginine methyl ester (L-NAME)**

Meloxicam; Nitric oxide (NO); cGMP; ODQ (1 *H*-[1,2,4]-oxadiazolo[4,2-*a*]quinoxalin-1-one) (Aguirre-Bañuelos, P. (395) 9)

Morphine; Sildenafil; cGMP; ODQ (1 *H*-[1,2,4]-oxadiazolo[4,3-*a*]quinoxalin-1-one); Naloxone (Mixcoat-Zecuatl, T. (400) 81)

***N*^G-nitro-L-arginine methyl ester (L-NAME)**

Nitric oxide (NO); 8-OH-DPAT (8-hydroxy-2-di-*n*-(propylamino)tetralin); Food intake; 5-HT (5-hydroxytryptamine, serotonin); Hypothalamus (Yamada, J. (402) 247)

L-NAME (*N*^ω-nitro-L-arginine methyl ester)

Renal failure; Gentamicin; Nitric oxide (NO); L-arginine; (Rat) (Can, C. (390) 327)

NANC (nonadrenergic, noncholinergic) relaxation

Strain difference; Colon, distal; Nitric oxide (NO); VIP (vasoactive intestinal peptide) (Okishio, Y. (388) 97)

NANC (non-adrenergic-non-cholinergic) nerve, excitatory

Asthma; Neuropeptide; Animal model; (Human) (Kraneveld, A.D. (405) 113)

Nandrolone decanoate

Deca durabolin; Cocaine; Radiotelemetry; Cardiac hypertrophy; ECG (electrocardiogram); Noradrenaline (Phillis, B.D. (398) 263)

Nasal mucosa vasculature

Noradrenaline; NS-49; α_1 -Adrenoceptor subtype; Vasoconstrictor response (Tanimitsu, N. (387) 73)

Nateglinide

Exocytosis; Glucagon; K_{ATP} channel; Repaglinide (Bokvist, K. (386) 105)

Drug interaction; Hypoglycemic agent; Noncompetitive inhibition; Peptide transporter (Terada, T. (392) 11)

OAT1 (organic anion transporter 1); Renal tubular secretion; *Xenopus* oocytes; Sulfonylurea; *p*-Aminohippurate (Uwai, Y. (398) 193)

Natriuresis

Kallikrein secretion; K^+ ; Diuresis; Bradykinin B_2 receptor antagonist; FR173657 (Suzuki, T. (399) 223)

Natural killer cell cytolytic activity

Δ^9 -Tetrahydrocannabinol; SR 141716; SR 144528; Interferon γ (Massi, P. (387) 343)

N-dealkylation pathway

Deprenyl metabolism; Cytochrome P450; Parkinson's disease; C57BL mouse liver microsomal preparation (Valoti, M. (391) 199)

Nebulizer

Cannabinoid; Δ^9 -THC (Δ^9 -tetrahydrocannabinol); SR 141716A; Antinociception; Marijuana, medical; Aerosol (Lichtman, A.H. (399) 141)

Nefazodone

5-HT transporter; 5-HT $_{2A}$ receptor (Pullar, I.A. (407) 39)

Nemonapride

Neuroleptic; Antipsychotic; Catalepsy; Extrapyramidal side-effect; 5-HT (5-hydroxytryptamine, Serotonin) depletion; Dopamine D_2 -like receptor; 5-HT $_{1A}$ receptor; *p*-Chlorophenylalanine; Raclopride; WAY 100635 (Prinssen, E.P.M. (395) 143)

Neocryptolepine

Cryptolepine; Plant alkaloid; Topoisomerase II; Cytotoxicity; Apoptosis (Dassonneville, L. (409) 9)

Neocuproine

Bathocuproine; Corpus cavernosum; *S*-Nitrosoglutathione; Non-adrenergic non-cholinergic (NANC) nerve; Nitroergic relaxation (Göçmen, C. (406) 293)

Neonatal

ACTH (adrenocorticotropin); Neuroprotection; Magnocellular basal nucleus; Cholinergic neuron; Glia (Horvath, K.M. (405) 33)

Neonate

Cardiac myocyte; Ca^{2+} current, L-type; Adenosine; ATP; Purinoceptor (Suto, F. (409) 213)

Neostriatum

6-Hydroxydopamine; Ligand binding autoradiography; Substantia nigra (Vasiliadis, H.-M. (386) 155)

Nepadutant

Tachykinin receptor; Tachykinin receptor antagonist; Intestine, human; Urinary bladder, human (Patacchini, R. (398) 389)

Nephropathy

Angiotensin-converting enzyme inhibitor; Diabetes; Urinary albumin excretion; Immunohistochemistry (Katoh, M. (398) 381)

Nerve conduction

Blood flow; K^+ channel opener; Na^+ , K^+ ATPase; Oxidative stress; Glutathione; Neuropathy; Diabetic rat (Hohman, T.C. (397) 335)

Nerve ligation

Chronic pain; Protein kinase C; TrkB receptor; Spinal cord; (Mouse) (Narita, M. (401) 187)

Hyperalgesia; Inflammation; Protein kinase C; Spinal cord; (Mouse) (Ohsawa, M. (403) 81)

Neural development

Acetylcholine receptor; Ligand-gated ion channel; RNA blot; In situ hybridization; Peripheral nervous system (Erkman, L. (393) 97)

Neurite outgrowth activity

Picoside I; Picoside II; Nerve growth factor (NGF); Mitogen-activated protein (MAP) kinase; PC12D cell (Li, P. (406) 203)

Neuroactive steroid

CO-induced amnesia; Pregnenolone; Dehydroepiandrosterone; Learning; Memory; (Mouse) (Maurice, T. (390) 145)

Neuroblastoma

Nitric oxide (NO); Hydrogen peroxide; Apoptosis; PC12; NO donor; Annexin V (Terwel, D. (400) 19)

Neurocognitive impairment

Schizophrenia; Bipolar disorder; Depression; Memory; Synaptic plasticity; Ventricle enlargement (Vawter, M.P. (405) 385)

Neurodegenerative disease

Amyotrophic lateral sclerosis (ALS); Motor neuron; Apoptosis; Cell culture; Tissue culture (Bär, P.R. (405) 285)

Neuroendocrine

Cocaine; Corticosterone; Hypothalamo pituitary–adrenal axis; Self-administration; Stress (Galici, R. (387) 59)

Neurofilament

Nicotine; NF-68; NF-160; NF-200; Ventral tegmental area; Immunohistochemistry (Bunemann, B. (393) 249)

Neurogenic

Bradykinin; Inflammation; Phorbol ester; Protein kinase C; Triterpenoid (Huguet, A.-I. (410) 69)

Neurogenic inflammation

Diabetic rat; Somatostatin; Inflammatory preconditioning (Németh, J. (386) 83)

Eletriptan; Sumatriptan; Carotid artery blood flow; Femoral artery blood flow; Coronary artery diameter (Gupta, P. (398) 73)

Staphylococcal enterotoxin B; Kinin; Mast cell; Tachykinin NK_1 receptor; Vanilloid receptor (Linardi, A. (399) 235)

Neurogenic plasma extravasation

Phoneutria nigriventer venom; Sensory nerve; Tachykinin NK_1 receptor agonist; Vanilloid receptor; Purinoceptor (Costa, S.K.P. (391) 305)

Neuroinflammation

Forebrain basal; Acetylcholine; Caspase; Non-steroidal anti-inflammatory drug; (Rat) (Wenk, G.L. (402) 77)

Neurokinin-A

Vagus nerve; C-fiber; Cholinergic nerve; Acetylcholine (Matsumoto, K. (403) 157)

Neuroleptic

Antipsychotic; 5-HT (5-hydroxytryptamine), serotonin; 5-HT_{2C} receptor; mCPP-(3-chlorophenyl)piperazine; Behavior; Hypolocomotion; Hypophagia; Locomotor activity; Food intake (Prinssen, E.P.M. (388) 57)

Antipsychotic; Catalepsy; Extrapyramidal side-effect; 5-HT (5-hydroxytryptamine, Serotonin) depletion; Dopamine D₂-like receptor; 5-HT_{1A} receptor; *p*-Chlorophenylalanine; Nemonapride; Raclopride; WAY 100635 (Prinssen, E.P.M. (395) 143)

σ Receptor; Haloperidol; Dystonia; Extrapyramidal (Matsumoto, R.R. (401) 155)

Neuromediator

Airway; Prostaglandin; Leukotriene; Endothelin; (Mouse) (Richter, M. (389) 225)

Neuromedin B receptor antagonist, nonpeptide

Ca²⁺, cytosolic; *c-fos* mRNA; Focal adhesion kinase; Proliferation (Moody, T.W. (409) 133)

Neuromodulation

5-HT₃ receptor; Zn²⁺; Cation, Divalent; Voltage-clamp, Whole-cell; Radioligand binding (Hubbard, P.C. (394) 189)

Vasopressin; Norepinephrine; Associative memory mechanism; Hippocampus (Brinton, R.D. (405) 73)

Neuromuscular junction

Alzheimer's disease; Cholinergic; Exocytosis; Oocyte; Synaptic vesicle; Tacrine; (*Torpedo marmorata*); (*Xenopus laevis*) (Ros, E. (390) 7)

Ca²⁺ channel blocker; Thapsigargin; Stimulus pattern; Acetylcholine release (Correia-de-Sá, P. (406) 355)

Neuromuscular transmission

Endothelin; Prostate; Endothelin ET_A receptor; (Rat) (Salamoussa, A. (403) 139)

Neuron

Nicotinic receptor; Transcription; Enhancer; Promoter (Deneris, E.S. (393) 69)

Acetylcholine receptor; Property; Ligand binding domain; Pharmacological; Physiological (Curtis, L. (393) 155)

Cannabinoid; Capsaicin; Afferent; Pain; Receptor; Sensory; Vasodilation (Zygmunt, P.M. (396) 39)

Neuronal

Nicotinic receptor; Acetylcholine receptor; α -Bungarotoxin; Ciliary ganglion; Sciatic nerve (Roth, A.L. (393) 105)

Neuronal death delayed

Erythropoietin; Cerebral ischemia; Brain injury; Nitric oxide (NO) (Calapai, G. (401) 349)

Neuronal nicotinic receptor

Conotoxin; Acetylcholine receptor; Chromaffin cell; Nicotinic receptor antagonist; Catecholamine release (Broxton, N. (390) 229)

Nicotinic receptor distribution; Nicotine; Nicotinic agent; Schizophrenia; Dementia; Ageing; Epilepsy; Tobacco addiction (Clementi, F. (393) 3)

Neuron, human

Nicotinic receptor; Gene; Transcriptional regulation; Promoter (Flora, A. (393) 85)

Neuropathic pain

Amitriptyline; Caffeine; Thermal hyperalgesia (Esser, M.J. (399) 131)

Neuropathy

Nerve conduction; Blood flow; K⁺ channel opener; Na⁺, K⁺ ATPase; Oxidative stress; Glutathione; Diabetic rat (Hohman, T.C. (397) 335)

Colorectal cancer; Dorsal root ganglia; Hippocampal neuron; Sural nerve (Adelsberger, H. (406) 25)

Neuropeptide

Galanin; Galanin-(1–15); Galanin receptor; Galanin receptor antagonist; Cardiovascular; Brain (Narváez, J.A. (399) 197)

Intranasal administration; Vasopressin; Insulin; Melanocortin; Cognition (Fehm, H.L. (405) 43)

Vasopressin; Corticotropin-releasing hormone; Dopamine; Homeobox gene; Transcription factors; Development (Burbach, J.P.H. (405) 55)

Asthma; NANC (non-adrenergic–non-cholinergic) nerve, excitatory; Animal model; (Human) (Kraneveld, A.D. (405) 113)

Stressful stimuli; *c-fos*; Paraventricular nucleus; Supraoptic nucleus; Amygdaloid nucleus, central (Palkovits, M. (405) 161)

Antidepressant; Mechanism of action; Monoamine; Intracellular signaling; Transcription factor (Vetulani, J. (405) 351)

Neuropeptide FF

Morphine; Adenosine; Spinal cord; Antinociception (Gouardères, C. (406) 391)

Analgesia; Antinociception; Pain; Spinal cord; Supraspinal (Altier, N. (407) 245)

Neuropeptide-Y

Stress; Depression (Stogner, K.A. (387) R9)

Neuropeptide Y

Neuropeptide Y receptor; Neuropeptide Y y₆ receptor; Orexigenesis; 1229U91 (Mullins, D.E. (395) 87)

α -MSH (α -melanocyte stimulating hormone); Feeding; (Chick) (Kawakami, S.-i. (398) 361)

BIIE0246; Neuropeptide Y Y₂ receptor; Hippocampus (Weiser, T. (404) 133)

Neuropeptide Y-(13-36)

Hypothalamus; (Rat) (King, P.J. (396) R1)

Neuropeptide Y receptor

Neuropeptide Y y₆ receptor; Neuropeptide Y; Orexigenesis; 1229U91 (Mullins, D.E. (395) 87)

Neuropeptide Y y₆ receptor

Neuropeptide Y receptor; Neuropeptide Y; Orexigenesis; 1229U91 (Mullins, D.E. (395) 87)

Neuropeptide Y Y₂ receptor

BIIE0246; Neuropeptide Y; Hippocampus (Weiser, T. (404) 133)

Neuroprotection

Glutamate transporter; Glutamate uptake; Na^+ current (Shimada, F. (386) 263)

NMDA receptor; Phencyclidine receptor; Gacyclidine; Gacyclidine enantiomer (Hirbec, H. (388) 235)

LY341122; Cerebral ischemia, focal; Stroke; Oxygen radical; (Rat) (Huh, P.W. (389) 79)

7-Chlorokynurenate; Excitotoxicity; Glycine_B receptor (Wu, H.-Q. (390) 267)

Nicotinic receptor; Parkinson's disease; MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropteridine); Hybridization, in situ; (Monkey) (Quik, M. (393) 223)

Clomethiazole; Chlormethiazole; Spreading depression; Hippocampus; Hypoxia (Stone, T.W. (399) 29)

Chemokine; *N*-methyl-D-aspartate (NMDA); β -amyloid; Cortical culture (Bruno, V. (399) 117)

NAALADase inhibition (*N*-acetylated- α -linked-acidic dipeptidase); Stroke; (Rat) (Tortella, F.C. (402) 31)

Neonatal; ACTH (adrenocorticotropin); Magnocellular basal nucleus; Cholinergic neuron; Glia (Horvath, K.M. (405) 33)

Antiepileptic drug; Neurotoxicity; Apoptosis (Ambrósio, A.F. (406) 191)

8-OH-DPAT; 5-HT_{1A} receptor; Na^+ channel; Ca^{2+} channel; Ischemia (Melena, J. (406) 319)

Cerebral ischaemia; Ca^{2+} channel, neuronal (Hicks, C.A. (408) 241)

Neurosteroid

Development; P19 cell (Grobin, A.C. (409) R1)

Neurotensin

Conopeptide; Conantokin G; Dynorphin; Methamphetamine; NMDA receptor (Bush, L. (387) 55)

Substance P; Dopamine; Ibogaine; Cocaine; Methamphetamine; Drug abuse (Alburges, M.E. (390) 119)

SR 48692; Neurotensin receptor; Cl^- current; Dorsal root ganglion (Kawarada, S. (404) 69)

Neurotensin receptor

Neurotensin; SR 48692; Cl^- current; Dorsal root ganglion (Kawarada, S. (404) 69)

Neurotoxicity

Methamphetamine; 3-Nitropropionic acid; Dopamine; 5-HT, 5-Hydroxytryptamine; Aromatic L-amino acid decarboxylase; Motor behaviour (Eradiri, O.L. (386) 217)

Dizocilpine ((+)-MK-801); NMDA receptor antagonist; Retrosplenial cortex; Clozapine; Olanzapine; Immediate early gene (Fujimura, M. (398) 1)

Cytochrome oxidase; Amphetamine; Histochemistry; Energy metabolism (Burrows, K.B. (398) 11)

Glutamate; σ Receptor; Phencyclidine site; Cortical culture (Nishikawa, H. (404) 41)

Antiepileptic drug; Neuroprotection; Apoptosis (Ambrósio, A.F. (406) 191)

Neurotoxin

Nicotinic acetylcholine receptor; α -Cobratoxin (Servent, D. (393) 197)

Neurotransmission

Personality; Genes; Polymorphism; Temperament; Abnormal behavior (Ebstein, R.P. (410) 205)

Neurotransmitter

Corticosterone; Vasopressin; Firing pattern; Ion channel (Joëls, M. (405) 207)

Smoking; Genetic polymorphism; Association; Linkage (Arinami, T. (410) 215)

Neutral endopeptidase

Enkephalinase; Enkephalin; Knockout mouse; Alcohol consumption; Angiotensin-converting enzyme; Enkephalin-degrading peptidases; Opioid (Siems, W.-E. (397) 327)

Bradykinin; Bradykinin B₂ receptor; Carboxypeptidase; Angiotensin I converting enzyme; Aminopeptidase P; Renal vasculature, rat (Bagaté, K. (407) 317)

Neutrophil

β_2 -Adrenoceptor; G_s protein, coupling; Depression, major; Anxiety; Antidepressant, tricyclic (Gurguis, G.N.M. (386) 135)

Nicotinic receptor; Schizophrenia; Nicotine; Smoking; Gene duplication (Leonard, S. (393) 237)

Ditriazines; Nitric oxide (NO); Eicosanoid; Macrophage; Air pouch, mouse; Carrageenan paw oedema (Rioja, I. (397) 207)

Ozone; Haemoxygenase; Carbon monoxide (CO); Bronchial hyperresponsiveness (Hisada, T. (399) 229)

Ischemia–reperfusion; Oedema; Mesenteric artery; Inflammation (Souza, D.G. (403) 121)

Caspase; Apoptosis inhibitory protein; Transcription factor; NF- κ B (nuclear factor- κ B); TNF- α (tumor necrosis factor- α) (Niwa, M. (407) 211)

Neutrophil adherence

AMP579; Coronary artery endothelium; Neutrophil degranulation; Superoxide anion (Nakamura, M. (397) 197)

Neutrophil chemotaxis

FK506 (Tacrolimus); Interleukin-8; Mononuclear cell peripheral blood (Sasakawa, Y. (403) 281)

Neutrophil degranulation

AMP579; Coronary artery endothelium; Neutrophil adherence; Superoxide anion (Nakamura, M. (397) 197)

Neutrophil elastase

Hyperoxia; Lecithinized superoxide dismutase; ONO-5046; Lung injury (Yamamoto, H. (409) 179)

Neutrophil elastase inhibitor

Ozone-exposure; Mucus score; Goblet cell hypersecretion (Nogami, H. (390) 197)

Neutrophil granulocytes

Nitric oxide (NO); Vascular permeability; Vascular endothelium; Platelet-activating factor (PAF); Thromboxanes; Leukotrienes; Vaso-pressin; Surgery (Pávó, I. (402) 193)

Neutrophils, rat

p38 Mitogen-activated protein kinase; Tyrosine kinase; Protein kinase C; Phospholipase C; Ca^{2+} , cytosolic-free (Chang, L.-C. (390) 61)

NF-68

Nicotine; Neurofilament; NF-160; NF-200; Ventral tegmental area; Immunohistochemistry (Bunnemann, B. (393) 249)

NF-160

Nicotine; Neurofilament; NF-68; NF-200; Ventral tegmental area; Immunohistochemistry (Bunnemann, B. (393) 249)

NF-200

Nicotine; Neurofilament; NF-68; NF-160; Ventral tegmental area; Immunohistochemistry (Bunnemann, B. (393) 249)

NF279 (8,8'-(carbonylbis(imino-4,1-phenylenecarbonylimino-4,1-phenylenecarbonylimino))bis(1,3,5-naphthalenetrisulfonic acid))

ATP receptor; Oocyte; Antagonist; Voltage clamp; Whole cell (Klap-perstück, M. (387) 245)

NF-κB (nuclear factor kappa B)

Hyperalgesia; Complete Freund adjuvant; AP-1 (activator protein-1); Octamer factor; NO (nitric oxide) synthase, neuronal (Chan, C.-F. (402) 61)

NF-κB (nuclear factor-κB)

Cerebral endothelial cell; Dithiocarbamate; Zn^{2+} ; (Bovine) (Kim, C.H. (392) 133)

Inflammation; Nitric oxide (NO); Inducible NO synthase; β-Carboline alkaloid (Lee, B.G. (406) 301)

Neutrophil; Caspase; Apoptosis inhibitory protein; Transcription factor; TNF-α (tumor necrosis factor-α) (Niwa, M. (407) 211)

NF-κB (nuclear factor-κB) gene transcription factor

SP1 (stimulatory protein-1) gene transcription factor; Brain; Ethanol tolerance; Ethanol dependence (Mittal, N. (386) 113)

NG108-15 cell

Clonidine-displacing substance; Reverse phase HPLC; Imidazoline binding site (Parker, C.A. (387) 27)

Rabies virus; Ca^{2+} current; α-Adrenoceptor; Muscarinic receptor; Patch clamp, Whole-cell (Iwata, M. (404) 79)

NGF (nerve growth factor)

Ca^{2+} reperfusion; T-588; PD98059; MAP (mitogen-activated protein) kinase; Astrocyte (Takuma, K. (399) 1)

Dopamine receptor; Acetylcholine; Cognition; Extrapyramidal symptom (Ozaki, T. (402) 39)

Picroside I; Picroside II; Neurite outgrowth activity; Mitogen-activated protein (MAP) kinase; PC 12D cell (Li, P. (406) 203)

CV-2619; Astrocyte; Apoptosis (Takuma, K. (406) 333)

NG108-15 neuroblastoma

CREB (cAMP responsive element binding protein); δ-Opioid receptor; DPDPE ([D-Pen^{2,5}]enkephalin), Morphine; Protein kinase (Bilecki, W. (390) 1)

N-γ-nitro-L-arginine methyl ester

Nitric oxide (NO); Hypoxic pulmonary vasoconstriction; Pulmonary arterial tone; L-NAME; Prostaglandin $\text{F}_{2\alpha}$ (Jones, R.D. (402) 111)

N^ω-nitro-L-arginine

Hyperpolarization; Nitric oxide (NO); Prostanoid; ODQ (1*H*-[1,2,4]oxadiazolo[4,3-*a*]quinoxalin-1-one); Carotid artery; Femoral artery (Crauwels, H.M. (404) 341)

N^ω-nitro-L-arginine methyl ester

Heart lesion; Ventricular hypertrophy; Stereology (De Oliveira, C.F. (391) 121)

Nitric oxide (NO); Mesenteric bed; Depolarization; KCl; Nitric oxide (NO) synthase (Mendizabal, V.E. (409) 85)

Nicorandil

Umbilical artery, human; 5-HT (5-hydroxytryptamine, serotonin); ATP-sensitive, K^{+} channels; SIN-1 (3-Morpholinomethyl-5-isoquinolinesulfonamide); Guanylate cyclase; Glibenclamide; ODQ ([1-*H*-(1,2,4) Oxadiazole (4,3-*a*) quinoxalin-1-one]); Temperature (Tiritilli, A. (406) 79)

Nicotine

Stress; Dopamine; Striatum; Hippocampus; (Rat) (Pawlak, R. (387) 171)

Neuronal nicotinic receptor; Nicotinic receptor distribution; Nicotinic agent; Schizophrenia; Dementia; Ageing; Epilepsy; Tobacco addiction (Clementi, F. (393) 3)

Nicotinic acetylcholine receptor (Kuryatov, A. (393) 11)

Activation; Cholinergic; Tobacco; Addiction; Ventral tegmental area (Dani, J.A. (393) 31)

Nicotinic receptor, presynaptic; Glutamate receptor antagonist; Anatoxin-a; Immunogold electron microscopy; Synaptosome (Wonnacott, S. (393) 51)

Attention; Learning; Memory (Levin, E.D. (393) 141)

Mecamylamine; Cognition; Attention (Stolerman, I.P. (393) 147)

5-HT_{1A} receptor; Anxiety; Phobia; Septum, lateral; Hippocampus, dorsal (File, S.E. (393) 231)

Nicotinic receptor; Schizophrenia; Smoking; Gene duplication; Neutrophil (Leonard, S. (393) 237)

Neurofilament; NF-68; NF-160; NF-200; Ventral tegmental area; Immunohistochemistry (Bunnemann, B. (393) 249)

Alzheimer's disease; Amyloid precursor protein; Amyloid-β peptide; Plaque; Tau; Tangle; Muscarinic receptor; Nicotinic receptor; Cholinesterase inhibitor (Hellström-Lindahl, E. (393) 255)

α₇ Nicotinic receptor; Nicotine-derived nitrosamine; Small cell lung carcinoma; Pulmonary neuroendocrine cell; Mitogenic signal transduction (Schuller, H.M. (393) 265)

Nicotinic receptor, Non-neuronal; Lung; Blood vessel; Skin (Conti-Fine, B.M. (393) 279)

Addiction; Dependence; Dopamine; Nucleus accumbens; Prefrontal cortex (Di Chiara, G. (393) 295)

Blood pressure; Endothelin receptor antagonist; Thromboxane; (Rat) (Tanus-Santos, J.E. (396) 33)

Coeliac ganglion; Noradrenaline release; Stomach, rat; Nicotinic receptor (Yokotani, K. (402) 223)

Self-administration; Catecholamine; Epinephrine; Norepinephrine; Corticosterone; Yoking (Donny, E.C. (402) 231)

Antinociception; CaM kinase II; Ca^{2+} channels; Intrathecal; (Mice) (Damaj, M.I. (404) 103)

Pre-pulse inhibition; Schizophrenia; Information processing; (Rat) (Mirza, N.R. (407) 73)

Anxiety; Elevated plus-maze; α -Adrenoceptor; (Mouse) (Zarrindast, M.-R. (407) 145)

Dopamine; Ethanol; Microdialysis; Nucleus accumbens; Selected line (Kiianmaa, K. (407) 293)

Tail tremor; 5-HT_{1A} receptor; (Rat) (Suemaru, K. (408) 19)

Nicotine-derived nitrosamine

α_7 Nicotinic receptor; Nicotine; Small cell lung carcinoma; Pulmonary neuroendocrine cell; Mitogenic signal transduction (Schuller, H.M. (393) 265)

Nicotine sensitization

Nucleus accumbens, Shell; Nucleus accumbens, Core (Cadoni, C. (387) R23)

Nicotinic agent

Neuronal nicotinic receptor; Nicotinic receptor distribution; Nicotine; Schizophrenia; Dementia; Ageing; Epilepsy; Tobacco addiction (Clementi, F. (393) 3)

Nicotinic receptor

Photoaffinity labeling; Antagonist, noncompetitive; Antagonist, competitive; 5-HT (5-hydroxytryptamine, serotonin) (Blanton, M.P. (389) 155)

5-HT(5-hydroxytryptamine, serotonin); 5-HT₃ receptor; glycine receptor; GABA_A; Bicuculline (Sun, H. (391) 243)

Nicotine (Kuryatov, A. (393) 11)

Epibatidine; Somatodendritic; Substantia nigra; Ventral tegmental area; Dendrosome (Reuben, M. (393) 39)

Hippocampus; Choline; Interneuron; Excitation; Methyllycaconitine; GABA (γ -aminobutyric acid) (Alkondon, M. (393) 59)

Transcription; Enhancer; Promoter; Neuron (Deneris, E.S. (393) 69)

Neuron, human; Gene; Transcriptional regulation; Promoter (Flora, A. (393) 85)

Acetylcholine receptor; α -Bungarotoxin; Ciliary ganglion; Sciatic nerve; Neuronal (Roth, A.L. (393) 105)

(Marubio, L.M. (393) 113)

Pharmacological comparison; Subunit null mutation; Binding; Activation (Whiteaker, P. (393) 123)

Nicotinic receptor subunit; Bladder; Autonomic dysfunction; Knockout mice (De Biasi, M. (393) 137)

Allosteric modulation; Alzheimer's disease; Galanthamine; Cholinergic deficit (Maelicke, A. (393) 165)

Molecular model; Epibatidine; ABT-594; A-85380; Analgesia; Antinociception (Meyer, M.D. (393) 171)

Neurotoxin; α -Cobratoxin (Servent, D. (393) 197)

Acetylcholine; Choline; Agonist; Partial; Co-agonist; *Xenopus laevis* oocyte (Zwart, R. (393) 209)

Parkinson's disease; MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropteridine); Hybridization, in situ; Neuroprotection; (Monkey) (Quik, M. (393) 223)

Schizophrenia; Nicotine; Smoking; Gene duplication; Neutrophil (Leonard, S. (393) 237)

Alzheimer's disease; Amyloid precursor protein; Amyloid- β peptide; Plaque; Tau; Tangle; Nicotine; Muscarinic receptor; Cholinesterase inhibitor (Hellström-Lindahl, E. (393) 255)

Patch-clamp; Anthelmintic resistance; Parasitic nematode (Robertson, A.P. (394) 1)

Sensitization; Disinhibition; Locomotor activity; Plus-maze; (Rat) (Ericson, M. (397) 103)

Coeliac ganglion; Nicotine; Noradrenaline release; Stomach, rat (Yokotani, K. (402) 223)

TC-2559; Cognition; Central nervous system (Bencherif, M. (409) 45)

α_7 Nicotinic receptor

Nicotine; Nicotine-derived nitrosamine; Small cell lung carcinoma; Pulmonary neuroendocrine cell; Mitogenic signal transduction (Schuller, H.M. (393) 265)

Nicotinic receptor antagonist

Conotoxin; Neuronal nicotinic receptor; Acetylcholine receptor; Chromaffin cell; Catecholamine release (Broxton, N. (390) 229)

Nicotinic receptor distribution

Neuronal nicotinic receptor; Nicotine; Nicotinic agent; Schizophrenia; Dementia; Ageing; Epilepsy; Tobacco addiction (Clementi, F. (393) 3)

Nicotinic receptor, human

α -Conotoxin MII; *Conus*; $\beta 3$ subunit (McIntosh, J.M. (393) 205)

Nicotinic receptor, Non-neuronal

Nicotine; Lung; Blood vessel; Skin (Conti-Fine, B.M. (393) 279)

Nicotinic receptor, presynaptic

Glutamate receptor antagonist; Nicotine; Anatoxin-a; Immunogold electron microscopy; Synaptosome (Wonnacott, S. (393) 51)

Nicotinic receptor subtype

Epibatidine; α -Bungarotoxin (Vailati, S. (393) 23)

Nicotinic receptor subunit

Nicotinic receptor; Bladder; Autonomic dysfunction; Knockout mice (De Biasi, M. (393) 137)

Nifedipine

Apoptosis; Ca^{2+} ; Cardiomyocyte (Rabkin, S.W. (388) 209)

Ventricular myocyte, guinea-pig; K^{+} current, inward-rectifier; K^{+} current, delayed-rectifier (Zhabyeyev, P. (401) 137)

Niflumic acid

Trachea; Cl^{-} channel; $I_{\text{Cl(Ca)}}$ (Teixeira, M.C.L. (394) 117)

***Nigella sativa* oil**

Thymoquinone; Antinociception; Opioid system; Formalin test (Abdel-Fattah, A.-F.M. (400) 89)

NIK-247

Donepezil hydrochloride (E2020); Tacrine; Physostigmine; ENA-713; TAK-147; Cholinesterase inhibitor; Cholinesterase (Kosasa, T. (389) 173)

L-NIL (*N*-iminoethyl-L-lysine)

Nitrate; Atherosclerosis; Nitric oxide (NO) synthase; Nitric oxide (NO); (Rabbit) (Behr-Roussel, D. (388) 275)

Nimesulide

Kainate; Excitotoxicity; Cyclooxygenase-2; Oxidative stress; Hippocampus (Candelario-Jalil, E. (390) 295)

Cyclo-oxygenase inhibitor; Conditioned place preference; Abuse liability (Fattore, L. (406) 75)

Nimodipine

Generalized absence epilepsy; Ca^{2+} channel; WAG/Rij rat; Spike-wave discharge; BAY K8644; Ethosuximide; Genetic model (Van Luijtelaar, G. (406) 381)

Nitrate

Atherosclerosis; Nitric oxide (NO) synthase; Nitric oxide (NO); L-NIL (*N*-iminoethyl-L-lysine); (Rabbit) (Behr-Roussel, D. (388) 275)

Nitroergic

Anococcygeus, mouse; Forskolin; Nitric oxide (NO); Papaverine; Sildenafil; Sodium nitroprusside (Frith, D. (400) 305)

Nitroergic nerve

Urethra; Nitric oxide (NO); Adrenoceptor; (Rabbit) (Seshita, H. (400) 271)

Nitroergic relaxation

Neocuproine; Bathocuproine; Corpus cavernosum; *S*-Nitrosoglutathione; Non-adrenergic non-cholinergic (NANC) nerve (Göçmen, C. (406) 293)

Nitric oxidase (NO) synthase

Iodonium; NADPH oxidase; Xanthine oxidase; NADH-ubiquinone reductase (Moulton, P. (401) 115)

Nitric oxide (NO)

Flavonoid; Dioclein; Endothelium; Vasorelaxation; Aorta (Lemos, V.S. (386) 41)

Polygodial; Relaxation; Aorta, rabbit; Pulmonary artery, rabbit; Pulmonary artery, guinea-pig (André, E. (386) 47)

Lipopolysaccharide; Angiotensin II type 2 receptor; Cytokine; Cyclic GMP; Cardiac fibroblast (Tamura, M. (386) 289)

Experimental diabetes; Cholinergic neurotransmission (Özdem, S.S. (387) 321)

Carbon monoxide (CO); Hydrogen peroxide; Corpus cavernosa; Urethra relaxation (Naseem, K.M. (387) 329)

Escin Ib; Escin IIb; Mg^{2+} absorption (Li, Y. (387) 337)

cGMP-dependent protein kinase; Na^{+} , K^{+} -ATPase; Aging; Trachea, rat (Scavone, C. (388) 1)

NANC (nonadrenergic, noncholinergic) relaxation; Strain difference; Colon, distal; VIP (vasoactive intestinal peptide) (Okishio, Y. (388) 97)

Nociceptin; ORL1 receptor; Colon, mouse, isolated (Menzies, J.R.W. (388) 183)

Nitrate; Atherosclerosis; Nitric oxide (NO) synthase; L-NIL (*N*-iminoethyl-L-lysine); (Rabbit) (Behr-Roussel, D. (388) 275)

Inflammation, intestinal; Non-steroid anti-inflammatory drug (Evans, S.M. (388) 281)

Brain; Cerebral ischemia; Ischemic tolerance; Preconditioning; Lipopolysaccharide; Nitric oxide synthase (NOS); Heat shock protein; Nitro-L-arginine methyl ester; (Rat) (Puisieux, F. (389) 71)

Carrageenan; Inflammation; Peroxynitrite; Superoxide dismutase; Tempol (Cuzzocrea, S. (390) 209)

Chloromethyl ketone; Stroke; Focal ischemia; Apoptosis; Serine protease inhibitor (LeBlanc, M.H. (390) 249)

Harman; Vasorelaxant; Endothelium (Shi, C.-C. (390) 319)

Renal failure; Gentamicin; L-arginine; L-NAME (*N*^ω-nitro-L-arginine methyl ester); (Rat) (Can, C. (390) 327)

Crotalus durissus terrificus venom; Analgesia; Opioid receptor (Picolo, G. (391) 55)

Angiogenesis; *S*-nitrosocaptopril; Captopril; Capillary endothelium; Chorioallantoic membrane; Chick embryo; Hemoglobin (Jia, L. (391) 137)

Stromal cell; Osteoblast-like cell; Mineralization; Differentiation (Koyama, A. (391) 225)

Thapsigargin; Endothelium; K^{+} channel; Relaxation; Aorta; (Rat) (Huang, Y. (392) 51)

Stroke-prone spontaneously hypertensive rats (SHRSP); Pulmonary artery; α -Adrenoceptors; Endothelium (Matsuda, K. (392) 61)

Protein kinase, cGMP-dependent; *N*-methyl-D-aspartate (NMDA); Nociception; Spinal cord; Hyperalgesia; Pain (Tao, Y.-X. (392) 141)

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Superoxide; Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Gastric mucus; Estrogen (Morschl, É. (392) R5)

Nitric oxide-releasing compound; Adhesion; E-Selectin; ICAM-1; Lipopolysaccharide (Kosonen, O. (394) 149)

Epilepsy; 7-Nitroindazole; Carbamazepine; Diazepam; Lamotrigine; Phenobarbital; Phenytoin; Valproate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (394) 275)

- Insulin resistance; Superoxide; Isometric tension study (Shinozaki, K. (394) 295)
- Meloxicam; cGMP; *N*^G-L-nitro-arginine methyl ester (L-NAME); ODQ (1*H*-(1,2,4)-oxadiazolo[4,2-*a*]quinoxalin-1-one) (Aguirre-Bañuelos, P. (395) 9)
- Lipopolysaccharide; Melatonin; Dexamethasone; Naltrexone; TNF- α (tumor necrosis factor- α); Hyperalgesia, central/peripheral (Raghavendra, V. (395) 15)
- PACAP (pituitary adenylate cyclase activating peptide); VIP (vasoactive intestinal peptide); Nonadrenergic noncholinergic (NANC) relaxation, inhibitory; Smooth muscle, tracheal; (Cat) (Yoshida, M. (395) 77)
- Hypersensitivity; Ovalbumin; Endothelial reactivity; Pulmonary artery (Akar, F. (395) 225)
- Apoptosis; NOR3; Nitric oxide (NO) donor; DAF-2 (4,5-diaminofluorescein); Ascorbic acid (Yamamoto, T. (397) 25)
- Aspirin; Dipyridamole; Platelet; Polymorphonuclear leukocyte (De La Cruz, J.P. (397) 35)
- Endothelial factor; Hemostasis; Platelet; Thrombosis (Momi, S. (397) 177)
- Ditriazines; Eicosanoid; Macrophage; Neutrophil; Air pouch, mouse; Carrageenan paw oedema (Rioja, I. (397) 207)
- VIP (vasoactive intestinal polypeptide); Gastric fundus, Pig (Dick, J.M.C. (397) 389)
- Streptozotocin-induced diabetic mouse; Corpus cavernosum; Antioxidant; Vitamin E; Sodium selenate; Oxidative stress (Göçmen, C. (398) 93)
- β -Adrenoceptor; β -Adrenoceptor, atypical; Endothelium; Guanylyl cyclase; Smooth muscle, vascular (Brawley, L. (398) 285)
- Hyperosmolarity; Prostaglandin; Vasoactive intestinal peptide (VIP); Tracheal perfusion; (Guinea-pig) (Hjoberg, J. (398) 303)
- β_2 -Adrenoceptor agonist; Smooth muscle; cGMP; cAMP; Iberiotoxin (Vaali, K. (399) 75)
- Diabetes; Aminoguanidine; Morphine; Antinociception (Grover, V.S. (399) 161)
- Berberine; K⁺ channel; Ca²⁺ channel; Vasorelaxation; Proliferation; Mesenteric artery; (Rat) (Ko, W.-H. (399) 187)
- Hydrogen peroxide; Apoptosis; Neuroblastoma; PC12; NO donor; Annexin V (Terwel, D. (400) 19)
- Phenylethanoid; Macrophage; Nitric oxide (NO) synthase; Inducible; 1-propanamine-3-hydroxy-2-nitroso-1-propylhydrazino (PAPA NONOate) (Xiong, Q. (400) 137)
- Flow; Oxidative stress; Ischemia-reperfusion; Vascular (Walia, M. (400) 249)
- Urethra; Adrenoceptor; Nitrergic nerve; (Rabbit) (Seshita, H. (400) 271)
- Nitric oxide (NO) synthases; Vanadium; Growth; Osteoblast differentiation; Bone; Cytotoxicity (Cortizo, A.M. (400) 279)
- Anococcygeus, mouse; Forskolin; Nitrergic; Papaverine; Sildenafil; Sodium nitroprusside (Frith, D. (400) 305)
- Adrenomedullin; Inflammation; Eye; CGRP (calcitonin gene-related peptide) (Clementi, G. (400) 321)
- Tachykinin NK₁ receptor; Substance P; Inflammation; Hypertension genetic; GH (genetically hypertensive) rat (Campbell, V.A. (401) 109)
- Cannabinoid CB₂ receptor; WIN55212; Palmitoylethanolamide; RAW264.7; Macrophage; cAMP (Ross, R.A. (401) 121)
- Hypocapnic constriction; Endothelin-1; Basilar artery (Zuccarello, M. (401) 213)
- Urinary bladder; Urethra; cGMP; Smooth muscle (Fujiwara, M. (401) 241)
- Lead; Hepatocyte, rat; Lipopolysaccharide; Kupffer cell; Coculture; TNF- α (tumor necrosis factor- α); Nitric oxide (NO) synthase, inducible (Milosevic, N. (401) 317)
- Erythropoietin; Cerebral ischemia; Brain injury; Neuronal death delayed (Calapai, G. (401) 349)
- Endothelium; Diabetes; 5-HT (5-Hydroxytryptamine, serotonin); Carotid artery (Miranda, F.J. (401) 397)
- Oxidant stress; Endothelium; Insulin resistance; Obese Zucker rat (Laight, D.W. (402) 95)
- Hypoxic pulmonary vasoconstriction; Pulmonary arterial tone; L-NAME; *N*- γ -nitro-L-arginine methyl ester; Prostaglandin F_{2 α} (Jones, R.D. (402) 111)
- Acetylcholine; Airway epithelium; Smooth muscle, airway; Indomethacin; Airway segment (McParland, B.E. (402) 151)
- Vascular permeability; Vascular endothelium; Neutrophil granulocytes; Platelet-activating factor (PAF); Thromboxanes; Leukotrienes; Vaso-pressin; Surgery (Pávó, I. (402) 193)
- 8-OH-DPAT (8-hydroxy-2-di-*n*-(propylamino)tetralin); Food intake; 5-HT (5-hydroxytryptamine, serotonin); *N*^G-nitro-L-arginine methyl ester (L-NAME); Hypothalamus (Yamada, J. (402) 247)
- S-Nitrosothiol; Organic nitrate; Tolerance; Blood vessel (Miller, M.R. (403) 111)
- Endothelium; Diabetes mellitus; Angiotensin (Pieper, G.M. (403) 129)
- Penile erection; Hexarelin; EP 60761; EP 50885; Oxytocin; Paraventricular nucleus; (Rat) (Melis, M.R. (404) 137)
- Hyperpolarization; Prostanoid; *N*^w-nitro-L-arginine; ODQ (1*H*-[1,2,4]oxadiazolo[4,3-*a*]quinoxalin-1-one); Carotid artery; Femoral artery (Crauwels, H.M. (404) 341)
- FITC-dextran; Arteriole; Permeability; Platelet-activating factor (PAF); Nitric oxide synthase (NOS) inhibitor; Microcirculation (Klabunde, R.E. (404) 387)
- Angiotensin-converting enzyme; Angiotensin-converting enzyme inhibitor; Endothelial cells, cultured; Umbilical veins, human; Platelet aggregation (Persson, K. (406) 15)
- Dinitrobenzene sulfonic acid; Inflammation; Peroxynitrite; Poly (ADP-ribose) synthetase; Colon damage; Free radical (Cuzzocrea, S. (406) 127)
- Ventricular cardiomyocyte, rat; Contractile function; Ca²⁺ channel, L-type; Myoglobin (Vulcu, S.D. (406) 247)

Lipopolysaccharide; Vascular hyporeactivity; Ventricular myocyte; Ca^{2+} transient; β -adrenergic stimulation (Shan, Q. (406) 257)

Inflammation; Inducible NO synthase; NF- κ B (nuclear factor- κ B); β -Carboline alkaloid (Lee, B.G. (406) 301)

Diabetes; Ouabain; Na^+ , K^+ -ATPase; Phenylephrine; Vascular reactivity; Streptozotocin; (Rat) (Davel, A.P.C. (406) 419)

Guanylate cyclase; Ambroxol (Severina, I.S. (407) 61)

Nucleus tractus solitarii; Glutamate; Microdialysis (Lin, H.-C. (407) 83)

Tryptanthrin; Inducible NO synthase; Prostaglandin; Cyclooxygenase; Inflammation (Ishihara, T. (407) 197)

Immunosuppressant; Cyclosporine; α_1 -Adrenoceptor; C6 glioma cell (Ikesue, H. (407) 221)

S-Nitrosothiol; *N*-Methyl-D-aspartate receptor (Travis, M.D. (407) 309)

Endotoxic shock; Aminoguanidine; (Rat) (Erol, A. (408) 175)

L-S-Nitrosocysteine; Redox; Vasodilation; (Rat) (Hoque, A. (408) 195)

NMDA (*N*-methyl-D-aspartate); Anxiety; Motor behavior; Ultrasonic vocalization; (Rat) (Podhorna, J. (408) 265)

S-Nitrosothiol; EDRF (endothelium-derived relaxing factor); Ca^{2+} -channel, voltage-sensitive; Vasodilation (Travis, M.D. (408) 289)

S-Nitrosothiol; Organic nitrate; Tolerance; Blood vessel (Miller, M.R. (408) 335)

Phencyclidine; N^G -nitro-L-arginine methyl ester; Behaviour; *c-fos*; (Rat) (Bujas-Bobanovic, M. (409) 57)

Mesenteric bed; N^w -nitro-L-arginine methyl ester; Depolarization; KCl; Nitric oxide (NO) synthase (Mendizabal, V.E. (409) 85)

Morphine tolerance; Morphine dependence; Melatonin MT_1 receptor; Melatonin MT_2 receptor; Melatonin MT_3 receptor; Benzodiazepine receptor; Central/peripheral; Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Histamine; Pre-eclampsia; Endothelium; ANP (atrial natriuretic peptide); (Human) (Suzuki, Y. (410) 7)

Endothelin; Noradrenaline; Smooth muscle, vascular (Lui, A.H. (410) 25)

Oestrogen receptor modulator; Oestrogen; Blood pressure; Vasopressin; Enzyme regulation (Pávó, I. (410) 101)

Nitric oxide (NO) donor

Apoptosis; NOR3; Nitric oxide (NO); DAF-2 (4,5-diaminofluorescein); Ascorbic acid (Yamamoto, T. (397) 25)

Nitric oxide (NO) release

Cynaropicrin; Anti-inflammatory effect; TNF- α (tumor necrosis factor- α); Lymphocyte proliferation; Immunosuppressive effect (Cho, J.Y. (398) 399)

Nitric oxide (NO) synthase

Nitrate; Atherosclerosis; Nitric oxide (NO); L-NIL (*N*-iminoethyl-L-lysine); (Rabbit) (Behr-Roussel, D. (388) 275)

Brain; Cerebral ischemia; Ischemic tolerance; Preconditioning; Lipopolysaccharide; Nitric oxide (NO); Heat shock protein; Nitro-L-arginine methyl ester; (Rat) (Puisieux, F. (389) 71)

Transplantation; Inducible; Macrophage; Peroxynitrite (Vos, I.H.C. (391) 31)

Angiotensin AT_2 receptor; Losartan; PD 123319; Kinin; Cyclo-oxygenase; Footshock (Israel, A. (394) 103)

Phenylethanoid; Macrophage; Nitric oxide (NO); Inducible; 1-propanamine-3-hydroxy-2-nitroso-1-propylhydrazino (PAPA NONOate) (Xiong, Q. (400) 137)

Cerebrocortical neuronal culture; Glutamate excitotoxicity; Mitochondrion; Permeability transition pore; Reactive oxygen species; Cyclophilin; Cyclosporin A; Calcineurin; Adenine nucleotide; Poly (ADP-ribose) polymerase (Ruiz, F. (404) 29)

Nitric oxide (NO); Mesenteric bed; N^w -nitro-L-arginine methyl ester; Depolarization; KCl (Mendizabal, V.E. (409) 85)

Nitric oxide (NO) synthase, Constitutive

Heparin; Intragastric administration; Gastric ulcer healing; Proliferation; Regeneration; Angiogenesis (Li, Y. (399) 205)

Nitric oxide (NO) synthase, inducible

Lead; Hepatocyte, rat; Lipopolysaccharide; Kupffer cell; Coculture; TNF- α (tumor necrosis factor- α); Nitric oxide (NO) (Milosevic, N. (401) 317)

Nitric oxide (NO) synthases

Nitric oxide (NO); Vanadium; Growth; Osteoblast differentiation; Bone; Cytotoxicity (Cortizo, A.M. (400) 279)

Nitric oxide (NO)-releasing compound

Nitric oxide (NO); Adhesion; E-Selectin; ICAM-1; Lipopolysaccharide (Kosonen, O. (394) 149)

Nitric oxide (NO) synthase inhibition

Myocardial infarct; Angiotensin II cardiac; Angiotensin AT_1 receptor antagonist (Verhagen, A.M.G. (400) 239)

Nitric oxide (NO) synthase inhibitor

FITC-dextran; Arteriole; Permeability; Nitric oxide (NO); Platelet-activating factor (PAF); Microcirculation (Klabunde, R.E. (404) 387)

Nitro-arginine

Arginine; Glutamine; Endothelin; Endotoxin (Mitchell, J.A. (389) 209)

7-Nitroindazole

Nitric oxide (NO); Epilepsy; Carbamazepine; Diazepam; Lamotrigine; Phenobarbital; Phenytoin; Valproate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (394) 275)

Nitro-L-arginine methyl ester

Brain; Cerebral ischemia; Ischemic tolerance; Preconditioning; Lipopolysaccharide; Nitric oxide (NO); Nitric oxide synthase (NOS); Heat shock protein; (Rat) (Puisieux, F. (389) 71)

3-Nitropropionic acid

Methamphetamine; Neurotoxicity; Dopamine; 5-HT, 5-Hydroxytryptamine; Aromatic L-amino acid decarboxylase; Motor behaviour (Eradiri, O.L. (386) 217)

Mitochondrial toxin; Seizure; GABA (γ -aminobutyric acid); 4-Aminopyridine; Electroconvulsion (Haberek, G. (403) 229)

Nitrosoureas

Glioma; Poly(ADP-ribose) polymerase; 3-Aminobenzamide (Winter, S. (398) 177)

N-Methyl-D-aspartate receptor

S-Nitrosothiol; Nitric oxide (Travis, M.D. (407) 309)

NMDA (N-methyl-D-aspartate)

σ Receptor; Organotypic slice culture; Mesencephalon; Dopaminergic neuron (Shimazu, S. (388) 139)

Protein kinase, cGMP-dependent; Nitric oxide (NO); Nociception; Spinal cord; Hyperalgesia; Pain (Tao, Y.-X. (392) 141)

Quinolinic acid; Kynurenine; Long-term potentiation; Hippocampus; NMDA receptor subunit (Youssef, F. (398) 349)

Chemokine; β -amyloid; Cortical culture; Neuroprotection (Bruno, V. (399) 117)

Ethanol tolerance; Ethanol dependence; Withdrawal; ANP (atrial natriuretic peptide); Antiserum against atrial natriuretic peptide (Kovács, G.L. (401) 343)

c-fos; *zif268*; 6-Hydroxydopamine; L-3,4-dihydroxyphenylalanine (L-DOPA); Striatum (Adams, A.C. (404) 303)

Nitric oxide (NO); Anxiety; Motor behavior; Ultrasonic vocalization; (Rat) (Podhorna, J. (408) 265)

NMDA (N-methyl-D-aspartate) seizure

Alcohol withdrawal, human; Delirium tremens; Volume and fluid regulation; ANP (atrial natriuretic peptide) secretion; Withdrawal hyperexcitability, mouse; Glutamate (Kovács, G.L. (405) 103)

NMDA receptor

Cocaine; Convulsion; Toxicity; AMPA receptor; Kainate receptor (Pouw, B. (386) 181)

Aminoglycoside; Ototoxicity; Dizocilpine (Harvey, S.C. (387) 1)

Conopeptide; Conantokin G; Neurotensin; Dynorphin; Methamphetamine (Bush, L. (387) 55)

Locus coeruleus; Noradrenaline; Cortex, prefrontal; Stress; GABA receptor; CRF receptor; Microdialysis (Kawahara, H. (387) 279)

Phencyclidine receptor; Gacyclidine; Gacyclidine enantiomer; Neuroprotection (Hirbec, H. (388) 235)

Antidepressant; Glycine; DSP-4; Norepinephrine; Desipramine (Harkin, A. (389) 187)

Glycine site; Receptor binding; GV150526A (Mugnaini, M. (391) 233)

σ site; [3 H]Ifenprodil; [3 H]MK-801; Hippocampal brain membrane, porcine (Höfner, G. (394) 211)

Acamprosate; Ethanol; Spermine; Primary cultured neuron; Patch-clamp, whole-cell (Popp, R.L. (394) 221)

Clozapine-induced potentiation; MK-801; Haloperidol; Long-term potentiation; Perforant path-dentate gyrus pathway (Kubota, T. (395) 37)

Analgesia; AMPA receptor; Morphine; Spinal cord; (Rat) (Nishiyama, T. (395) 203)

Antinociception; Opioid; Dizocilpine (MK-801); Metabotropic glutamate receptor; (*S*)-4CPG ((*S*)-4-carboxyphenylglycine) (Suzuki, T. (396) 23)

Receptor occupancy, in vivo; NR2B subunit; MK-801; Radioligand binding (Murray, F. (397) 263)

Glutamate; Dopamine uptake; Parkinson's disease (Page, G. (403) 75)

NMDA receptor antagonist

Morphine; Antinociception; D-CPPene (SDZ EAA 494); Memantine; MRZ 2/579; MRZ 2/576; ACEA-1021 (Belozertseva, I.V. (396) 77)

Dizocilpine ((+)-MK-801); Neurotoxicity; Retrosplenial cortex; Clozapine; Olanzapine; Immediate early gene (Fujimura, M. (398) 1)

Naloxone; Morphine; Sensitization; Place conditioning; Mice (Blokhina, E.A. (406) 227)

NMDA receptor-channel complex

RPR 118723; Glycine antagonist; Glutamate; TCP binding; Dopamine release (Boireau, A. (401) 131)

NMDA receptors

Glutamate; Dizocilpine; Nucleus accumbens; Tail-flick (Millan, M.J. (388) 37)

NMDA receptor subunit

NMDA (*N*-methyl-D-aspartate); Quinolinic acid; Kynurenine; Long-term potentiation; Hippocampus (Youssef, F. (398) 349)

Ethanol withdrawal; Ifenprodil; Liquid diet method (Narita, M. (401) 191)

N^G-nitro-L-arginine methyl ester

Phencyclidine; Nitric oxide (NO); Behaviour; *c-fos*; (Rat) (Bujas-Bobanovic, M. (409) 57)

Nociceptin

ORL1 receptor; Colon, mouse, isolated; Nitric oxide (NO) (Menzies, J.R.W. (388) 183)

Orphanin FQ; ORL1; Opioid; Opioid receptor; GTP γ S (Hawkinson, J.E. (389) 107)

[Nphe¹]nociceptin-(1–13)NH₂; OP₄ receptor; Ileum, rabbit (Pheng, L.-H. (397) 383)

Orphanin FQ; ORL1 receptor; Morphine; Conditioned place preference; Spatial learning; Locomotor sensitization (Ciccocioppo, R. (404) 153)

Inflammatory response; Histamine; Mast cell; G protein; ORL₁ receptor; (Rat) (Kimura, T. (407) 327)

Nociceptin/orphanin FQ

ORL1 receptor; Opioid (Ozaki, S. (387) R17)

ORL1 receptor; Opioid (Ozaki, S. (402) 45)

Isolated lung, guinea pig; ORL1 receptors; ORL1 receptor antagonist (Corboz, M.R. (402) 171)

Nociception

Leukotriene; Opioid; LTD₄ receptor antagonist; Naloxone (Gök, Ş. (386) 195)

Interleukin 1 β ; Interleukin 8; TNF- α ; Macrophage; Mast cell; (Tumour necrosis factor- α) (Ribeiro, R.A. (387) 111)

Protein kinase, cGMP-dependent; *N*-methyl-D-aspartate (NMDA); Nitric oxide (NO); Spinal cord; Hyperalgesia; Pain (Tao, Y.-X. (392) 141)

Cannabinoid CB₁ receptor; Cannabinoid CB₂ receptor; Cannabinoid receptor antagonist; Hyperalgesia; Anandamide; Palmitoylethanolamide; 2-Arachidonylglycerol; Inflammation (Beaulieu, P. (396) 85)

Capsaicin; Pain; Ricinoleic acid; Substance P; Tachykinin; (Guinea pig); (Mouse) (Vieira, C. (407) 109)

Nocistatin

Naloxone benzoylhydrazone; κ -Opioid receptor; Spontaneous alternation; Passive avoidance (Hiramatsu, M. (395) 149)

NO donor

Nitric oxide (NO); Hydrogen peroxide; Apoptosis; Neuroblastoma; PC12; Annexin V (Terwel, D. (400) 19)

Nonadrenergic noncholinergic (NANC) relaxation, inhibitory

PACAP (pituitary adenylate cyclase activating peptide); VIP (vasoactive intestinal peptide); Nitric oxide (NO); Smooth muscle, tracheal; (Cat) (Yoshida, M. (395) 77)

Non-adrenergic non-cholinergic

Aldose reductase; Autonomic neuropathy; Diabetes; Gastric fundus, rat; Streptozotocin (Jenkinson, K.M. (401) 251)

Non-adrenergic non-cholinergic (NANC) nerve

Neocuproine; Bathocuproine; Corpus cavernosum; *S*-Nitrosoglutathione; Nitergic relaxation (Göçmen, C. (406) 293)

Non-competitive antagonism

Des-Arg¹⁰-kallidin; FLIPR (fluorometric imaging plate reader); Bradykinin; Ca²⁺; CHO cells (Simpson, P.B. (392) 1)

Noncompetitive inhibition

Drug interaction; Hypoglycemic agent; Nateglinide; Peptide transporter (Terada, T. (392) 11)

Non-genomic effect

Estrogen; ERK (extracellular signal-regulated kinase); Hippocampus, rat (Kuroki, Y. (400) 205)

NO (Nitric oxide)

Capsaicin; Myenteric neuron; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); VIP (Vasoactive intestinal polypeptide); PACAP (Pituitary adenylate cyclase activating peptide); Small intestine (Barthó, L. (392) 183)

NO (nitric oxide) synthase, neuronal

Hyperalgesia; Complete Freund adjuvant; NF- κ B (nuclear factor kappa B); AP-1 (activator protein-1); Octamer factor (Chan, C.-F. (402) 61)

Non-linear dynamics

Anabolic steroid; Pregnenolone sulfate; Ethylestrenol; Passive avoidance behavior; Memory; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Non-peptide

Antagonism; Bradykinin B₂ receptor; FR173657; FR190997; MEN 11270 (Meini, S. (409) 185)

Nonpeptide angiotensin receptor agonist

Angiotensin; DuP 532; PD123,319; (Feline) (De Witt, B.J. (404) 213)

Non-steroidal anti-inflammatory drug (NSAID)

Apoptosis; Ulcer; Colon cancer; Pentose phosphate pathway (Porter, S.N. (397) 1)

Non-steroidal anti-inflammatory drug

Neuroinflammation; Forebrain basal; Acetylcholine; Caspase; (Rat) (Wenk, G.L. (402) 77)

Non-steroid anti-inflammatory drug

Nitric oxide (NO); Inflammation, intestinal (Evans, S.M. (388) 281)

Nonvascular smooth muscle

Mitogen-activated protein kinase; Contraction; Prostaglandin F_{2 α} ; Carbachol (Yousufzai, S.Y.K. (407) 17)

Nootropic drug

Movement disorder; Epilepsy; Anticonvulsant drug (Löscher, W. (391) 251)

NOR3

Apoptosis; Nitric oxide (NO); Nitric oxide (NO) donor; DAF-2 (4,5-diaminofluorescein); Ascorbic acid (Yamamoto, T. (397) 25)

Noradrenaline

Nasal mucosa vasculature; NS-49; α_1 -Adrenoceptor subtype; Vasoconstrictor response (Tanimitsu, N. (387) 73)

Locus coeruleus; Cortex, prefrontal; Stress; NMDA receptor; GABA receptor; CRF receptor; Microdialysis (Kawahara, H. (387) 279)

Dopamine; Hypothalamus–pituitary–adrenocortical axis; Tolerance; Morphine; Paraventricular nucleus (Fuertes, G. (388) 49)

Cocaine; Potentiation; Blood pressure; Contractility; Chlorisondamine (Sabra, R. (397) 139)

5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole-3-acetic acid); 5-Hydroxytryptophol; Dopamine; Ataxia, cerebellar (Reader, T.A. (398) 41)

Nandrolone decanoate; Deca durabolin; Cocaine; Radiotelemetry; Cardiac hypertrophy; ECG (electrocardiogram) (Phillis, B.D. (398) 263)

Anxiety; Stress; Hypothalamus; Amygdala; Locus coeruleus; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Paroxetine; Desipramine; Microdialysis; 5-HT (Hajós-Korcsok, É. (407) 101)

Endothelin; Nitric oxide (NO); Smooth muscle, vascular (Lui, A.H. (410) 25)

Noradrenaline release

AMPA receptor; S18986-1; Hippocampus; Allosteric modulator (Lockhart, B. (401) 145)

Coeliac ganglion; Nicotine; Stomach, rat; Nicotinic receptor (Yokotani, K. (402) 223)

Noradrenaline reuptake site

Meta-hydroxyephedrine; PET (positron emission tomography); Tricyclic antidepressant; (Human) (Malizia, A.L. (391) 263)

Noradrenergic system

α_2 -Adrenoceptor; Atipamezole; Ageing; Memory; Cholinergic system (Haapalinna, A. (387) 141)

Risperidone; Microdialysis; Schizophrenia; Antipsychotic drug; Electrophysiology (Nasif, F.J. (394) 67)

FR140423; Antinociception; α_2 -Adrenoceptor; Spinal cord; (Mouse) (Ochi, T. (400) 199)

Norbinaltorphimine

Binding; κ -Opioid receptor (Jones, R.M. (396) 49)

Nor-binaltorphimine

Dorsal periaqueductal gray; μ -Opioid receptor; κ -Opioid receptor; CTOP; Aversion; Elevated plus-maze (Nobre, M.J. (404) 145)

Norepinephrine

Antidepressant; NMDA receptor; Glycine; DSP-4; Desipramine (Harkin, A. (389) 187)

Acetylcholine; Choline; Cortex, medial prefrontal; Serotonin (Hedou, G. (390) 127)

5-HT_{2A} receptor antagonist; Microdialysis; YM992; Venlafaxine; Antidepressant (Hatanaka, K.-i. (395) 31)

Enteric nervous system; Submucous plexus; Small intestine; Synaptic transmission, inhibitory; Somatostatin (Liu, S. (397) 49)

Self-administration; Catecholamine; Epinephrine; Corticosterone; Yoking; Nicotine (Donny, E.C. (402) 231)

Organophosphate; Diisopropyl-fluorophosphate; Aorta; Phentolamine; (Rat) (Lim, S.L. (404) 353)

Vasopressin; Neuromodulation; Associative memory mechanism; Hippocampus (Brinton, R.D. (405) 73)

Cocaine; Cerebellum; Purkinje cell; Microiontophoresis; Glutamate; (Rat) (Jiménez-Rivera, C.A. (407) 91)

CART (cocaine- and amphetamine-regulated transcript); TRH (thyrotropin releasing hormone); Dopamine; Synaptosome; Hypothalamus (Brunetti, L. (409) 103)

Norepinephrine transporter

Placenta, rat; Cocaine, chronic (Shearman, L.P. (386) 1)

Electrophysiology; Antidepressant; 5-HT_{1A} receptor; α_2 -Adrenoceptor; Tyramine; Pyridobenzoazepine (Liégeois, J.-F. (386) 211)

Noxious heat

c-Fos; Racemic-flurbiprofen; *S*(+)-flurbiprofen; *R*(-)-flurbiprofen; Spinal dorsal horn (Buritova, J. (406) 59)

[Nphe¹]nociceptin-(1–13)NH₂

Nociceptin; OP₄ receptor; Ileum, rabbit (Pheng, L.-H. (397) 383)

NPPB (5-nitro-2-(3-phenylpropylamino)-benzoic acid)

Patch clamp; Ca²⁺ current; Ca²⁺ current, Capacitative; Ca²⁺ release-activated current; Jurkat cell; pH Modulation (Li, J.H. (394) 171)

npr-1

G-protein coupled receptor; RNA-mediated interference (Gomes, A.V. (397) R3)

N-propyl analog

Apomorphine; Dopamine; Microdialysis; Bioavailability; Striatum (Rodenhuis, N. (387) 39)

NR2B subunit

NMDA receptor; Receptor occupancy, in vivo; MK-801; Radioligand binding (Murray, F. (397) 263)

NS-49

Nasal mucosa vasculature; Noradrenaline; α_1 -Adrenoceptor subtype; Vasoconstrictor response (Tanimitsu, N. (387) 73)

NS-105

Glutamate receptor, metabotropic; Adenylyl cyclase; Antisense oligodeoxynucleotide, knockdown; Primary neuronal culture (Hirouchi, M. (387) 9)

NSAID (nonsteroidal anti-inflammatory drug)

Helicobacter pylori; Prostaglandin; Cyclooxygenase; Gastric ulceration (Takahashi, S. (406) 461)

Alzheimer's disease; Microglia; Aspirin; Interferon- γ (Ogawa, O. (408) 137)

OAT1 (organic anion transporter 1); *p*-Aminohippurate; Methotrexate; Probenecid; Kidney; (Rat) (Uwai, Y. (409) 31)

NT(8–13)

NT69L; Hot plate test (Tyler-McMahon, B.M. (390) 107)

NT69L

NT(8–13); Hot plate test (Tyler-McMahon, B.M. (390) 107)

Nuclear-factor- κ B

Phospholipase A₂; Mitogen-activated protein kinase; Interleukin-1; Inflammation (Burgermeister, E. (388) 195)

Nucleotide

Purine; Adenosine; ATP; Hippocampus; Suramin; Long-term potentiation (O'Kane, E.M. (409) 159)

Nucleus accumbens

Dopamine; Nicotine; Ethanol; Microdialysis; Selected line (Kiianmaa, K. (407) 293)

Nucleus accumbens, Core

Nicotine sensitization; Nucleus accumbens, Shell (Cadoni, C. (387) R23)

Nucleus accumbens

NMDA receptors; Glutamate; Dizocilpine; Tail-flick (Millan, M.J. (388) 37)

Addiction; Dependence; Dopamine; Nicotine; Prefrontal cortex (Di Chiara, G. (393) 295)

Ethanol; Dopamine release; Stress of social defeat; Voltammetry in vivo; (Mouse) (Yavich, L. (401) 365)

Glutamate receptor, metabotropic; Excitatory amino acid; Caudoputamen; Basal ganglia; Drug of abuse (Mao, L. (404) 289)

Dopamine; Subiculum; Fimbria-fornix; Microdialysis; (Rat) (Mitchell, S.N. (407) 131)

Nucleus accumbens core

Psychostimulants sensitization; Cocaine; Amphetamine; Nucleus accumbens shell (Cadoni, C. (388) 69)

Nucleus accumbens, Shell

Nicotine sensitization; Nucleus accumbens, Core (Cadoni, C. (387) R23)

Nucleus accumbens shell

Psychostimulants sensitization; Cocaine; Amphetamine; Nucleus accumbens core (Cadoni, C. (388) 69)

Nucleus basalis, rat

Cholinergic system; Cholinesterase inhibitor; Cerebral metabolism; Alzheimer's disease (Bassant, M.-H. (387) 151)

Nucleus tractus solitarius

Nitric oxide; Glutamate; Microdialysis (Lin, H.-C. (407) 83)

OAT1 (organic anion transporter 1)

Renal tubular secretion; *Xenopus* oocytes; Sulfonylurea; Nateglinide; *p*-Aminohippurate (Uwai, Y. (398) 193)

p-Aminohippurate; Methotrexate; Probenecid; NSAID (nonsteroidal anti-inflammatory drug); Kidney; (Rat) (Uwai, Y. (409) 31)

Obese Zucker rat

Oxidant stress; Endothelium; Nitric oxide (NO); Insulin resistance (Laight, D.W. (402) 95)

Obesity

Sibutramine; Desmethyisibutramine; Didemethyisibutramine; Food intake; Locomotor activity; Antidepressant (Glick, S.D. (397) 93)

Melanocortin; Feeding; Central nervous system; Behavior; Body weight homeostasis; Anorexia (Vergoni, A.V. (405) 25)

β3-adrenoceptor agonist (Forrest, M.J. (407) 175)

Object recognition

AMPA receptor; Memory; S 18986-1; (Rat) (Lebrun, C. (401) 205)

Obsessive compulsive disorder

5-HT_{1B/D} receptor; Psychiatric disorder; 5-HT (5-hydroxytryptamine, serotonin) release; 5-HT (5-hydroxytryptamine, serotonin) synthesis; Depression; Anxiety; Desensitisation; Supersensitive; Target (Moret, C. (404) 1)

Octamer factor

Hyperalgesia; Complete Freund adjuvant; NF-κB (nuclear factor kappa B); AP-1 (activator protein-1); NO (nitric oxide) synthase, neuronal (Chan, C.-F. (402) 61)

Odor, cat

MDMA ((±)-3,4-Methylenedioxymethamphetamine); Ecstasy; Anxiety; Social interaction; Ultrasonic vocalization (Morley, K.C. (408) 41)

ODQ ([1-*H*-(1,2,4) Oxadiazole (4,3-*a*) quinoxalin-1-one])

Umbilical artery, human; 5-HT (5-hydroxytryptamine, serotonin); Nicotinic; ATP-sensitive, K⁺ channels; SIN-1 (3-Morpholinylsydnonylamine); Guanylate cyclase; Glibenclamide; Temperature (Tiritilli, A. (406) 79)

ODQ (1-*H*-(1,2,4)-oxadiazolo[4,2-*a*]quinoxalin-1-one)

Meloxicam; Nitric oxide (NO); cGMP; *N*^G-L-nitro-arginine methyl ester (L-NAME) (Aguirre-Bañuelos, P. (395) 9)

ODQ (1-*H*-[1,2,4]oxadiazolo[4,3-*a*]quinoxalin-1-one)

Morphine; Sildenafil; cGMP; *N*^G-L-nitro-arginine methyl ester (L-NAME); Naloxone (Mixcoatl-Zecuatl, T. (400) 81)

Hyperpolarization; Nitric oxide (NO); Prostanoid; *N*^ω-nitro-L-arginine; Carotid artery; Femoral artery (Crauwels, H.M. (404) 341)

Oedema

Adenosine A₁ receptor; Adenosine A_{2B} receptor; Mast cell (Sawynok, J. (395) 47)

Arthritis; Phosphodiesterase 4; Hyperalgesia; TNF-α (tumor necrosis factor-α); Rolipram (Francischi, J.N. (399) 243)

Ischemia-reperfusion; Neutrophil; Mesenteric artery; Inflammation (Souza, D.G. (403) 121)

Oestrogen

Phenytoin; Ovulation; Uterus (Tamura, K. (398) 317)

Aromatase inhibitor; Breast carcinoma; Androgen (Palma, C. (409) 93)

Oestrogen receptor modulator; Nitric oxide (NO); Blood pressure; Vasopressin; Enzyme regulation (Pávó, I. (410) 101)

Oestrogen receptor modulator

Oestrogen; Nitric oxide (NO); Blood pressure; Vasopressin; Enzyme regulation (Pávó, I. (410) 101)

8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin)

5-HT_{1A} receptor; Na⁺ channel; Ca²⁺ channel; Neuroprotection; Ischemia (Melena, J. (406) 319)

Cerebral ischemia; 5-HT receptor; Stereology; (Rat) (Torup, L. (395) 137)

Clozapine; Fos-protein; Tolerance; DOI (Sebens, J.B. (408) 11)

8-OH-DPAT (8-hydroxy-2-di-*n*-(propylamino)tetralin)

Nitric oxide (NO); Food intake; 5-HT (5-hydroxytryptamine, serotonin); *N*^G-nitro-L-arginine methyl ester (L-NAME); Hypothalamus (Yamada, J. (402) 247)

8-OH-DPAT (8-hydroxy-*N,N*-dipropylaminotetralin)

5-HT (5-Hydroxytryptamine serotonin); 5-HT receptor; FLIPR (fluorescent imaging plate reader); Fluorescence; Meta-chlorophenylpiperazine (Wood, M. (396) 1)

4OH-GTS-21

GTS-21; α7 Receptor-selective agonist (Papke, R.L. (393) 179)

Okadaic acid

Adrenomedullin; ERK (extracellular signal-related kinase); JNK (jun amino-terminal kinase); P38 MAPK (P38 mitogen-activated protein kinase) (Parameswaran, N. (388) 133)

Olanzapine

Muscarinic receptor; Clozapine; Binding; Antipsychotic (Bymaster, F.P. (390) 245)

Dizocilpine ((+)-MK-801); NMDA receptor antagonist; Neurotoxicity; Retrosplenial cortex; Clozapine; Immediate early gene (Fujimura, M. (398) 1)

Olfactory bulb

GABA_A/benzodiazepine receptor; Hippocampus; Ligand affinity; Receptor heterogeneity; α subunit (Lameh, J. (400) 167)

Oligomycin

Na⁺, K⁺-ATPase; Ca²⁺-ATPase; Na⁺ occlusion; Chimeric ATPase (Homareda, H. (400) 177)

Olprinone

Radial artery; Phosphodiesterase 3; Phenylephrine (Adachi, H. (396) 43)

Omeprazole

Ischemia–reperfusion; Gastric secretion; Ranitidine; Ulcer healing; Gastric blood flow; Interleukin-1 β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Ondansetron

Ketamine; 5-HT (5-hydroxytryptamine, serotonin); Heart rate; Electrocardiography; Fractal (DePetrillo, P.B. (391) 113)

5-HT₃ receptor; Cocaine; Sensitization; (Rat) (King, G.R. (394) 97)

ONO-5046

Hyperoxia; Lecithinized superoxide dismutase; Neutrophil elastase; Lung injury (Yamamoto, H. (409) 179)

Oocyte

ATP receptor; Antagonist; Voltage clamp; Whole cell; NF279 (8,8'-(carbonylbis(imino-4,1-phenylenecarbonyl-imino-4,1-phenylenecarbonylimino))bis(1,3,5-naphthalenetrisulfonic acid)) (Klapperstück, M. (387) 245)

Alzheimer's disease; Cholinergic; Exocytosis; Neuromuscular junction; Synaptic vesicle; Tacrine; (*Torpedo marmorata*); (*Xenopus laevis*) (Ros, E. (390) 7)

OPC-21268

Vasopressin; Microvascular constriction; Mesenteric arteriole; Cremasteric arteriole; OPC-31260 (Ishiguro, S. (400) 121)

OPC-31260

Vasopressin; Microvascular constriction; Mesenteric arteriole; Cremasteric arteriole; OPC-21268 (Ishiguro, S. (400) 121)

Open field

Antidepressant drug; Desipramine; Grooming; Locomotor activity; Mesolimbic dopamine system; Restraint stress; Chronic mild stress (D'Aquila, P.S. (399) 43)

Operant behavior

THC (tetrahydrocannabinol); Dependence; Withdrawal; Behavioral dependence; SR141716A; (Rat) (Beardsley, P.M. (387) 47)

Δ 9-Tetrahydrocannabinol; (*R*)-Methanandamide; Anandamide; SR 141716; Amphetamine; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Opiate

Anxiety; Plus-maze; Benzodiazepine; Naloxone (Belzung, C. (394) 289)

Dependence, acute; Gender difference; Cardiovascular system; Blood pressure; Heart rate; Rat, spinal (Cruz, S.L. (397) 121)

Heroin; Addiction; Genetic; Pharmacogenomics; Candidate gene (Lichtermann, D. (410) 269)

Opiate withdrawal

Morphine tolerance; Morphine dependence; Naloxone; Cerebral blood flow; Laser–Doppler flowmetry, (Rat) (Zamani, R. (408) 299)

Opioid

Leukotriene; Nociception; LTD₄ receptor antagonist; Naloxone (Gök, Ş. (386) 195)

Nociceptin/orphanin FQ; ORL1 receptor (Ozaki, S. (387) R17)

Nociceptin; Orphanin FQ; ORL1; Opioid receptor; GTP γ S (Hawkinson, J.E. (389) 107)

Enteropooling; Inflammation, peripheral; Intestine; Opioid receptor; Permeability (Valle, L. (389) 235)

Antinociception; Dizocilpine (MK-801); NMDA receptor; Metabotropic glutamate receptor; (*S*)-4CPG ((*S*)-4-carboxyphenylglycine) (Suzuki, T. (396) 23)

Respiration; Ca²⁺ channel blocker; Rhesus monkey (Kishioka, S. (397) 85)

Neutral endopeptidase; Enkephalinase; Enkephalin; Knockout mouse; Alcohol consumption; Angiotensin-converting enzyme; Enkephalin-degrading peptidases (Siems, W.-E. (397) 327)

Respiration; Tolerance; Dependence; (Rhesus monkey) (Kishioka, S. (398) 121)

Adenosine; Striatum (Halimi, G. (398) 217)

Diabetes mellitus; Antinociception; G-protein; μ -Opioid receptor; δ -Opioid receptor (Pieper, G.M. (401) 375)

Nociceptin/orphanin FQ; ORL1 receptor (Ozaki, S. (402) 45)

Opioid agent

Anxiety; Stress; Noradrenaline; Hypothalamus; Amygdala; Locus coeruleus; Benzodiazepines; Anxiolytic drug (Tanaka, M. (405) 397)

Opioid analgesia

U69,593; Hotplate; Sex differences; Lick latency; (Rat) (Van Haaren, F. (408) 153)

Opioid drug

δ -Opioid receptor; μ -Opioid receptor; μ -Opioid receptor-knockout mice; Antinociception; G protein (Hosohata, Y. (388) 241)

Opioid peptide

AP-1 (activator protein-1); Electrophoretic mobility shift assay; Transcriptional regulation; Uterus, rat; Hypothalamus, rat (Oszter, A. (395) 103)

Opioid receptor

Nociceptin; Orphanin FQ; ORL1; Opioid; GTP γ S (Hawkinson, J.E. (389) 107)

Enteropooling; Inflammation, peripheral; Intestine; Opioid; Permeability (Valle, L. (389) 235)

Crotalus durissus terrificus venom; Analgesia; Nitric oxide (NO) (Picolo, G. (391) 55)

[Met⁵]enkephalin; Gender; T-lymphocyte; B-lymphocyte; Proliferation (Gabrilovac, J. (392) 101)

Gastroprotection; Clonidine; α_{2B} -Adrenoceptor (Gyires, K. (396) 131)

Amphibian; [³H]Naloxone; Antinociception (Newman, L.C. (397) 255)

Ligand selectivity; Mutagenesis; [³⁵S]GTP γ S (Bonner, G. (403) 37)

Alcohol; Genetics; Alcoholism; Quantitative trait locus (Town, T. (410) 243)

 δ -Opioid receptor

Down-regulation; Carboxyl terminal tail (Okura, T. (387) R11)

μ -Opioid receptor; μ -Opioid receptor-knockout mice; Antinociception; G protein; Opioid drug (Hosohata, Y. (388) 241)

CREB (cAMP responsive element binding protein); DPDPE ([D-Pen^{2,5}]enkephalin); Morphine; NG108-15 neuroblastoma; Protein kinase (Bilecki, W. (390) 1)

Short-circuit current; Endothelin-1; Intestine, large (Gauthier, C. (390) 335)

Endomorphin-1; Endomorphin-2; Diabetes; Antinociception; μ -Opioid receptor (Kamei, J. (391) 91)

μ -Opioid receptor; G-protein; [³⁵S]GTP γ S binding; Collision-coupling model; Compartmentalization (Remmers, A.E. (396) 67)

Opioid; Diabetes mellitus; Antinociception; G-protein; μ -Opioid receptor (Pieper, G.M. (401) 375)

κ -Opioid receptor

Nocistatin; Naloxone benzoylhydrazone; Spontaneous alternation; Passive avoidance (Hiramatsu, M. (395) 149)

Norbinaltorphimine; Binding (Jones, R.M. (396) 49)

Dorsal periaqueductal gray; μ -Opioid receptor; CTOP; Nor-binaltorphimine; Aversion; Elevated plus-maze (Nobre, M.J. (404) 145)

μ -Opioid receptor

Inflammation; Knockout mice (Qiu, C. (387) 163)

δ -Opioid receptor; μ -Opioid receptor-knockout mice; Antinociception; G protein; Opioid drug (Hosohata, Y. (388) 241)

Tolerance; Desensitization; cAMP-dependent protein kinase; Morphine; *N*-(2-aminoethyl)-5-isoquinolinesulfonamide (H8) (Wang, Z. (389) 165)

[³⁵S]GTP γ S binding; Brain, human; α_2 -Adrenoceptor; 5-HT_{1A} receptor; G-protein (González-Maeso, J. (390) 25)

Morphine withdrawal; Prostaglandin; Prostanoid EP₃ receptor; *c-fos*; Locus coeruleus (Nakagawa, T. (390) 257)

Endomorphin-1; Endomorphin-2; Diabetes; Antinociception; δ -Opioid receptor (Kamei, J. (391) 91)

Endomorphin-1; Endomorphin-2; Spontaneous alternation performance; (Mouse) (Ukai, M. (395) 211)

δ -Opioid receptor; G-protein; [³⁵S]GTP γ S binding; Collision-coupling model; Compartmentalization (Remmers, A.E. (396) 67)

G-protein; Antinociception; Pons/medulla; Diabetes (Ohsawa, M. (401) 55)

Opioid; Diabetes mellitus; Antinociception; G-protein; δ -Opioid receptor (Pieper, G.M. (401) 375)

cAMP accumulation; Orphanin FQ/nociceptin (Mandyam, C.D. (402) 205)

Dorsal periaqueductal gray; κ -Opioid receptor; CTOP; Nor-binaltorphimine; Aversion; Elevated plus-maze (Nobre, M.J. (404) 145)

μ_1 -Opioid receptor

Dermorphin N-terminal tetrapeptide; Tail-flick test; Naloxonazine; β -Funaltrexamine (Sakurada, S. (395) 107)

Opioid receptor agonist

Respiration; Buprenorphine; Methocloinnamox; Opioid receptor antagonist; (Rhesus monkey) (Kishioka, S. (391) 289)

δ -Opioid receptor agonist

Tonazocine; SNC-80; Rotation; Parkinson's disease (Hudzik, T.J. (396) 101)

κ -Opioid receptor agonist

Antinociceptive action; TRK-820; κ -Opioid receptor subtype (Endoh, T. (387) 133)

Opioid receptor antagonist

Respiration; Buprenorphine; Methocloinnamox; Opioid receptor agonist; (Rhesus monkey) (Kishioka, S. (391) 289)

μ -Opioid receptor antagonist

Lipopolysaccharide; Fever; Preoptic anterior hypothalamus (Benamar, K. (401) 161)

μ -Opioid receptor-knockout mice

δ -Opioid receptor; μ -Opioid receptor; Antinociception; G protein; Opioid drug (Hosohata, Y. (388) 241)

κ -Opioid receptors

Allodynia; Antinociception; Diuresis; Dynorphin; Sedation (Ko, M.C.H. (402) 69)

Opioid receptor subtype

Xylazine; DAMGO; DPDPE; Tyr-W-MIF-1; U50,488; α_2 adrenoceptor (Ware, T.D. (389) 181)

κ -Opioid receptor subtype

κ -Opioid receptor agonist; Antinociceptive action; TRK-820 (Endoh, T. (387) 133)

Opioid system

Restraint stress; Adaptation; D-Amphetamine; Conditioned place preference; Dopamine D₁ receptor; Dopamine D₂ receptor; Sensitization (Capriles, N. (386) 127)

Nigella sativa oil; Thymoquinone; Antinociception; Formalin test (Abdel-Fattah, A.-F.M. (400) 89)

Opioid system, endogenous

Gene polymorphism; Single nucleotide polymorphism; Addiction; Pharmacogenetics; Physiogenetics (LaForge, K.S. (410) 249)

OP₄ receptor

Nociceptin; [Nphe¹]nociceptin-(1–13)NH₂; Ileum, rabbit (Pheng, L.-H. (397) 383)

Optical recording

ATP; Hippocampal slice; Electrical signal; Adenosine receptor (Sato, K. (399) 123)

Optic nerve

GABA (γ -aminobutyric acid); Anaesthetic; Benzodiazepine; Propofol (Empson, R.M. (401) 339)

Orexigenesis

Neuropeptide Y receptor; Neuropeptide Y y₆ receptor; Neuropeptide Y; 1229U91 (Mullins, D.E. (395) 87)

Organic nitrate

Nitric oxide (NO); S-Nitrosothiol; Tolerance; Blood vessel (Miller, M.R. (403) 111)

Nitric oxide (NO); S-Nitrosothiol; Tolerance; Blood vessel (Miller, M.R. (408) 335)

Organophosphate

Diisopropyl-fluorophosphate; Aorta; Phentolamine; Norepinephrine; (Rat) (Lim, S.L. (404) 353)

Organotypic slice culture

σ Receptor; Mesencephalon; *N*-methyl-D-aspartate (NMDA); Dopaminergic neuron (Shimazu, S. (388) 139)

ORL1 receptor

Nociceptin/orphanin FQ; Opioid (Ozaki, S. (387) R17)

Nociceptin; Colon, mouse, isolated; Nitric oxide (NO) (Menzies, J.R.W. (388) 183)

Nociceptin; Orphanin FQ; Opioid; Opioid receptor; GTP γ S (Hawkinson, J.E. (389) 107)

Nociceptin/orphanin FQ; Opioid (Ozaki, S. (402) 45)

Isolated lung, guinea pig; Nociceptin/orphanin FQ; ORL1 receptor antagonist (Corboz, M.R. (402) 171)

Nociceptin; Orphanin FQ; Morphine; Conditioned place preference; Spatial learning; Locomotor sensitization (Ciccocioppo, R. (404) 153)

ORL1 receptor antagonist

Isolated lung, guinea pig; ORL1 receptors; Nociceptin/orphanin FQ (Corboz, M.R. (402) 171)

ORL₁ receptor

Nociceptin; Inflammatory response; Histamine; Mast cell; G protein; (Rat) (Kimura, T. (407) 327)

Orphanin FQ

Micturition reflex; Tachykinin NK₁ receptor; Tachykinin NK₂ receptor; Tachykinin (Lecci, A. (389) 99)

Nociceptin; ORL1; Opioid; Opioid receptor; GTP γ S (Hawkinson, J.E. (389) 107)

Nociceptin; ORL1 receptor; Morphine; Conditioned place preference; Spatial learning; Locomotor sensitization (Ciccocioppo, R. (404) 153)

Orphanin FQ/nociceptin

μ -Opioid receptor; cAMP accumulation (Mandyam, C.D. (402) 205)

Osteoarthritis

Rheumatoid arthritis; Aceclofenac; 4'-Hydroxy aceclofenac; Pro-matrix metalloproteinase 1; Pro-matrix metalloproteinase 3; Articular chondrocyte, rabbit (Akimoto, H. (401) 429)

Osteoblast differentiation

Nitric oxide (NO); Nitric oxide (NO) synthases; Vanadium; Growth; Bone; Cytotoxicity (Cortizo, A.M. (400) 279)

Osteoblast, Human

CGRP (calcitonin gene-related peptide); CGRP-(8-37); Amylin, Amylin-(8-37); Proliferation; cAMP (Villa, I. (409) 273)

Osteoblast-like cell

Nitric oxide (NO); Stromal cell; Mineralization; Differentiation (Koyama, A. (391) 225)

Osteopenia

Cyclosporin A; Arginine; Pyridinoline; (Rat) (Fiore, C.E. (408) 323)

(-)-OSU6162

6-Hydroxydopamine; Parkinson's disease; Dopamine receptor agonist; Dyskinesia (Ekesbo, A. (389) 193)

Ototoxicity

Aminoglycoside; NMDA receptor; Dizocilpine (Harvey, S.C. (387) 1)

Ouabain

Endothelium-derived hyperpolarizing factor (EDHF); 18 α -Glycyrrhetic acid; Gap junctions; K⁺; Endothelium (Harris, D. (402) 119)

Na⁺; Ca²⁺; Aldosterone; Na(+)-K(+)-exchanging ATPase (Yingst, D.R. (406) 49)

Diabetes; Na⁺,K⁺-ATPase; Phenylephrine; Vascular reactivity; Streptozotocin; Nitric oxide; (Rat) (Davel, A.P.C. (406) 419)

Histamine; Histamine release; Microdialysis; Veratrine (Washington, B. (407) 117)

Astrocyte; Ca²⁺; LDH (lactate dehydrogenase); Mitochondrion; MTT; Na⁺,K⁺-ATPase (Takahashi, S. (408) 127)

Ovalbumin

Hypersensitivity; Endothelial reactivity; Nitric oxide (NO); Pulmonary artery (Akar, F. (395) 225)

Phosphatidylinositol-3-kinase; Wortmannin; Adenosine; Methacholine; 5-HT; Bronchoconstriction; Active sensitisation; Brown Norway, rat (Tigani, B. (406) 469)

Ovarian function

Dexamethasone; FSH (follicle-stimulating hormone); Inhibin; (Rat, female, immature) (Tohei, A. (386) 69)

Ovulation

Phenytoin; Oestrogen; Uterus (Tamura, K. (398) 317)

Oxatomide

Scratching behavior; Immunoglobulin E; Anaphylaxis, passive cutaneous; Substance P; Histamine; Histamine H₁ receptor; Epinastine; Cetirizine; Terfenadine; (Mouse) (Inagaki, N. (400) 73)

Oxidant

Protein kinase C; Phorbol ester; Cellular injury (Tepperman, B.L. (389) 131)

Oxidant stress

Endothelium; Nitric oxide (NO); Insulin resistance; Obese Zucker rat (Laight, D.W. (402) 95)

Oxidative stress

Diabetes; Smooth muscle, vascular; Hypertrophy, cell; Oxyhaemoglobin, glycosylated (Peiró, C. (386) 317)

Ischemia-reperfusion; Cyclopirozonic acid; Free radical; Reactive oxygen species (Grover, A.K. (387) 87)

Kainate; Excitotoxicity; Cyclooxygenase-2; Nimesulide; Hippocampus (Candelario-Jalil, E. (390) 295)

Isoprostane; Mammary artery; Vasoconstriction (Cracowski, J.-L. (397) 161)

Nerve conduction; Blood flow; K⁺ channel opener; Na⁺, K⁺ ATPase; Glutathione; Neuropathy; Diabetic rat (Hohman, T.C. (397) 335)

Streptozotocin-induced diabetic mouse; Corpus cavernosum; Nitric oxide (NO); Antioxidant; Vitamin E; Sodium selenate (Göçmen, C. (398) 93)

Methamphetamine; Glutathione (Harold, C. (400) 99)

Flow; Nitric oxide (NO); Ischemia-reperfusion; Vascular (Walia, M. (400) 249)

Free radical; Antioxidant; Cortical culture; Propofol; Vitamin E (Boland, A. (404) 21)

Oxygen radical

LY341122; Cerebral ischemia, focal; Neuroprotection; Stroke; (Rat) (Huh, P.W. (389) 79)

Oxyhaemoglobin, glycosylated

Diabetes; Smooth muscle, vascular; Hypertrophy, cell; Oxidative stress (Peiró, C. (386) 317)

Oxyhemoglobin

Cerebrovascular constriction; Tamoxifen; Protein kinase C (Wickman, G. (390) 181)

Oxysterol

Endothelium-dependent relaxation; Very low-density lipoprotein; Low-density lipoprotein; High-density lipoprotein (Perségol, L. (406) 429)

Oxytocin

Penile erection; Hexarelin; EP 60761; EP 50885; Nitric oxide (NO); Paraventricular nucleus; (Rat) (Melis, M.R. (404) 137)

Ozone

Haemoxigenase; Carbon monoxide (CO); Neutrophil; Bronchial hyperresponsiveness (Hisada, T. (399) 229)

JTE-522; Cyclooxygenase-2; Prostaglandin E₂; Thromboxane A₂; U-46619; Airway hyperresponsiveness; (Guinea pig) (Nakano, H. (403) 267)

Ozone-exposure

Neutrophil elastase inhibitor; Mucus score; Goblet cell hypersecretion (Nogami, H. (390) 197)

P38

CGRP (calcitonin gene-related peptide); ERK (extracellular signal-regulated kinase); Forskolin; HEK 293 cell (Parameswaran, N. (389) 125)

p38 Mitogen-activated protein kinase

Neutrophils, rat; Tyrosine kinase; Protein kinase C; Phospholipase C; Ca²⁺, cytosolic-free (Chang, L.-C. (390) 61)

p53

Glioma; Telomerase; Chemosensitivity; Penclomedine (Vietor, M. (407) 27)

Apoptosis; Smooth muscle cell, vascular; Gadd45; Troglitazone; Pioglitazone (Okura, T. (407) 227)

P7480

α₁-Adrenoceptor subtype; Methoxamine; Cirazoline; Mesenteric artery, rat; BMY 7378 (Hussain, M.B. (395) 69)

p160ROCK

Polymorphonuclear leukocyte; Rho kinase; Superoxide production; Aggregation (Kawaguchi, A. (403) 203)

PACAP-(6–38)

PACAP (pituitary adenylate cyclase-activating peptide); VIP (vasoactive intestinal peptide); Apamin; Suramin; VIP-(10–28); Colon; (Rat) (Plujà, L. (389) 217)

PACAP (pituitary adenylate cyclase-activating peptide)

VIP (vasoactive intestinal peptide); Apamin; Suramin; PACAP-(6–38); VIP-(10–28); Colon; (Rat) (Plujà, L. (389) 217)

PACAP (Pituitary adenylate cyclase activating peptide)

Capsaicin; Myenteric neuron; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); VIP (Vasoactive intestinal polypeptide); NO (Nitric oxide); Small intestine (Barthó, L. (392) 183)

PACAP (pituitary adenylate cyclase activating peptide)

VIP (vasoactive intestinal peptide); Nitric oxide (NO); Nonadrenergic noncholinergic (NANC) relaxation, inhibitory; Smooth muscle, tracheal; (Cat) (Yoshida, M. (395) 77)

PAF acetylhydrolase

PAF (platelet-activating factor); Anaphylactic shock (Fukuda, Y. (390) 203)

PAF (platelet-activating factor)

PAF acetylhydrolase; Anaphylactic shock (Fukuda, Y. (390) 203)

Colon, rat; Thromboxane A₂; Cl[−] secretion (Suzuki, T. (400) 297)

Nitric oxide (NO); Vascular permeability; Vascular endothelium; Neutrophil granulocytes; Thromboxanes; Leukotrienes; Vasopressin; Surgery (Pávó, I. (402) 193)

FITC-dextran; Arteriole; Permeability; Nitric oxide (NO); Nitric oxide synthase (NOS) inhibitor; Microcirculation (Klabunde, R.E. (404) 387)

Pain

Thalidomide; TNF-α (tumor necrosis factor-α); Hyperalgesia, inflammatory (Ribeiro, R.A. (391) 97)

Protein kinase, cGMP-dependent; *N*-methyl-D-aspartate (NMDA); Nitric oxide (NO); Nociception; Spinal cord; Hyperalgesia (Tao, Y.-X. (392) 141)

Antinociception; Sex difference; Gonadectomy, adult; β-Endorphin (Krzanowska, E.K. (392) 157)

Cannabinoid; Capsaicin; Neuron; Afferent; Receptor; Sensory; Vasodilation (Zygmunt, P.M. (396) 39)

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Peptide-receptor interaction; Avoidance; Grooming; Food intake (Adan, R.A.H. (405) 13)

Capsaicin; Nociception; Ricinoleic acid; Substance P; Tachykinin; (Guinea pig); (Mouse) (Vieira, C. (407) 109)

Analgesia; Antinociception; Neuropeptide FF; Spinal cord; Supraspinal (Altier, N. (407) 245)

Adenosine; Adenosine kinase; Adenosine deaminase; Formalin; Microdialysis; Inflammation (Liu, X.J. (408) 143)

Pain perception

Histamine H₁ receptor; Histamine; Somatic pain; Visceral pain; Gene targeting (Mobarakeh, J.I. (391) 81)

PAK-104P

Multidrug resistance; *P*-glycoprotein; MRP₁ (multidrug resistance-associated protein); Daunorubicin; Calcein-AM; Inhibitor (Marbeuf-Gueye, C. (391) 207)

Palatability

Benzodiazepine; Dopamine; Licking behaviour; Bout structure (Higgs, S. (409) 73)

Palmitoylation

G protein-coupled receptor; Dopamine; Phosphorylation; Desensitization; Adenylyl cyclase (Jin, H. (386) 305)

Palmitoylethanolamide

Cannabinoid CB₁ receptor; Cannabinoid CB₂ receptor; Cannabinoid receptor antagonist; Hyperalgesia; Anandamide; 2-Arachidonylglycerol; Nociception; Inflammation (Beaulieu, P. (396) 85)

Cannabinoid CB₂ receptor; WIN55212; Nitric oxide (NO); RAW264.7; Macrophage; cAMP (Ross, R.A. (401) 121)

p-Aminohippurate

OAT1 (organic anion transporter 1); Renal tubular secretion; *Xenopus* oocytes; Sulfonylurea; Nateglinide (Uwai, Y. (398) 193)

Pancreas

4-Hydroxyisoleucine; Insulin release; Structural analogue; Fenugreek seed; (Rat) (Broca, C. (390) 339)

Pancreas, rat

Sodium tungstate; Insulin; Glucagon (Rodríguez-Gallardo, J. (402) 199)

Pancreastatin receptor

Signaling; G protein; Phospholipase C; MAPK; HTC cell; Insulin resistance (Sánchez-Margalet, V. (397) 229)

Pancreatic acinar cell

Rebamipide; CCK₁ receptor; [Ca²⁺]_i oscillation (Moon, S.J. (388) 17)

Pancreatic regeneration

Pancreatitis; EGF (epidermal growth factor); Interleukin 1β (Dembinski, A. (398) 159)

Pancreatitis

EGF (epidermal growth factor); Pancreatic regeneration; Interleukin 1β (Dembinski, A. (398) 159)

Panic

Anxiety; Blood pressure; Glutamate; Heart rate; Kindling; Long-term potentiation; Social interaction; Sodium lactate (Sajdyk, T.J. (394) 265)

1-propanamine-3-hydroxy-2-nitroso-1-propylhydrazino (PAPA NONOate)

Phenylethanoid; Macrophage; Nitric oxide (NO); Nitric oxide (NO) synthase; Inducible (Xiong, Q. (400) 137)

Papaverine

Anococcygeus, mouse; Forskolin; Nitrenergic; Nitric oxide (NO); Sildenafil; Sodium nitroprusside (Frith, D. (400) 305)

Papillary muscle

Metoprolol; Ramipril; Myocardial infarction; Action potential (Wagner, K.-D. (388) 263)

Adrenomedullin; Contractility; cAMP (Ihara, T. (390) 167)

Adrenomedullin; Myocyte; Heart, isolated; Ca²⁺ transient; (Rat) (Stangl, V. (408) 83)

Parachlorophenylalanine

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Parasitic nematode

Patch-clamp; Anthelmintic resistance; Nicotinic receptor (Robertson, A.P. (394) 1)

Paraventricular nucleus

Noradrenaline; Dopamine; Hypothalamus–pituitary–adrenocortical axis; Tolerance; Morphine (Fuentes, G. (388) 49)

Excitatory amino acid; Cardiovascular regulation; Central; Microinjection; (Rat) (Gören, M.Z. (388) 77)

Penile erection; Hexarelin; EP 60761; EP 50885; Oxytocin; Nitric oxide (NO); (Rat) (Melis, M.R. (404) 137)

Stressful stimuli; Neuropeptide; *c-fos*; Supraoptic nucleus; Amygdaloid nucleus, central (Palkovits, M. (405) 161)

Parkinson's disease

(–)-OSU6162; 6-Hydroxydopamine; Dopamine receptor agonist; Dyskinesia (Ekesbo, A. (389) 193)

Deprenyl metabolism; Cytochrome P450; N-dealkylation pathway; C57BL mouse liver microsomal preparation (Valoti, M. (391) 199)

Alzheimer's disease; α3 subunit; α4 subunit; α7 subunit; β-Amyloidosis; Acetylcholinesterase; Tobacco exposure (Perry, E. (393) 215)

Nicotinic receptor; MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropteridine); Hybridization, in situ; Neuroprotection; (Monkey) (Quik, M. (393) 223)

δ-Opioid receptor agonist; Tonazocine; SNC-80; Rotation (Hudzik, T.J. (396) 101)

6-Hydroxydopamine-lesioned rat; 5-HT_{2C} receptor; SKF 82958 (Fox, S.H. (398) 59)

Dopamine D₄ receptor; L-Dopa-induced dyskinesia; JL-18; MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine) (Tahar, A.H. (399) 183)

L-DOPA methylester; Daily rhythm; Chronopharmacology; Radiotelemetry; Infusion constant rate (Simon, N. (401) 79)

Glutamate; Dopamine uptake; NMDA receptor (Page, G. (403) 75)

KF17837 ((*E*)-1,3-dipropyl-8-(3,4-dimethoxystyryl)-7-methyl-3,7-dihydro-1*H*-purine-2,6-dione); KW-6002 ((*E*)-1,3-diethyl-8-(3,4-dimethoxystyryl)-7-methyl-3,7-dihydro-1*H*-purine-2,6-dione); Adenosine A_{2A} receptor antagonist; 6-Hydroxydopamine (Koga, K. (408) 249)

Paroxetine

5-HT (5-hydroxytryptamine, serotonin); Tianeptine; Frontal cortex; Raphe nuclei; Microdialysis, in vivo (Malagié, I. (403) 55)

Desipramine; Microdialysis; 5-HT; Noradrenaline (Hajós-Korcsok, É. (407) 101)

Paroxysmal choreoathetosis

Movement disorder; Dystonia; Barbiturate; GABA (γ-aminobutyric acid) (Richter, A. (397) 343)

Partial

Nicotinic acetylcholine receptor; Acetylcholine; Choline; Agonist; Co-agonist; *Xenopus laevis* oocyte (Zwart, R. (393) 209)

Partial agonist

Constitutively-active receptor; Chimeric receptor; IP receptor; Prostacyclin (Wise, H. (386) 89)

Dopamine D₂ receptor; Dopamine synthesis; Locomotor activity; (Rat) (Ahlenius, S. (394) 247)

β -Adrenoceptor, atypical; β_3 -Adrenoceptor; Duodenum, guinea pig; Car-teolol; Bupranolol (Horinouchi, T. (403) 133)

Passive avoidance

Nocistatin; Naloxone benzoylhydrazone; κ -Opioid receptor; Spontaneous alternation (Hiramatsu, M. (395) 149)

Phosphatidylserine; Reserpine; Memory (Alves, C.S.D. (404) 161)

4-Aminopyridine; 3,4-Diaminopyridine; Apamin; (Mouse) (Inan, S.Y. (407) 159)

Passive avoidance behavior

Anabolic steroid; Pregnenolone sulfate; Ethylestrenol; Memory; Non-linear dynamics; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Patch clamp

Anaesthetic volatile; Action potential; Arrhythmia; K_{ATP} channel; Myocyte (Terrenoire, C. (390) 95)

Ivermectin; GABA_A receptors; Subunit composition (Adelsberger, H. (394) 163)

NPPB (5-nitro-2-(3-phenylpropylamino)-benzoic acid); Ca^{2+} current; Ca^{2+} current, Capacitative; Ca^{2+} release-activated current; Jurkat cell; pH Modulation (Li, J.H. (394) 171)

K^+ channel; Calcium; Calmodulin; Antipsychotic; Dequalinium (Dreixler, J.C. (401) 1)

Patch-clamp

l-cis-Diltiazem; *d-cis*-Diltiazem; Whole-cell; Ca^{2+} overload; Na^+ current; Lysophosphatidylcholine (Hashimoto, Y. (391) 217)

Anthelmintic resistance; Parasitic nematode; Nicotinic receptor (Robertson, A.P. (394) 1)

Patch-clamp technique

HERG; QT-prolongation; Fluoroquinolones (Bischoff, U. (406) 341)

Patch-clamp, whole-cell

Acamprosate; Ethanol; Spermine; NMDA receptor; Primary cultured neuron (Popp, R.L. (394) 221)

Patch clamp, Whole-cell

Rabies virus; NG108-15 cell; Ca^{2+} current; α -Adrenoceptor; Muscarinic receptor (Iwata, M. (404) 79)

Patient-pair studies

Pharmacogenetic; Pharmacogenomic; Molecular epidemiology; Genotype; Phenotype; DNA sequence variants; Population genetic (Nebert, D.W. (410) 107)

Paw oedema

Adenosine A₁ receptor; Adenosine A₂ receptor; Adenosine A₃ receptor; Plethysmometry; (Rat) (Sawynok, J. (386) 253)

Benzodiazepine receptor, peripheral; Pleurisy (Torres, S.R. (408) 199)

Paw pressure test

5-HT (5-hydroxytryptamine, serotonin); Chronic pain; Spinal cord; (Rat) (Bardin, L. (409) 37)

Paxilline

InsP₃ receptor; Ca^{2+} signalling; Mycotoxin (Longland, C.L. (408) 219)

PC12

Nitric oxide (NO); Hydrogen peroxide; Apoptosis; Neuroblastoma; NO donor; Annexin V (Terwel, D. (400) 19)

PC12 cell

Arachidonic acid; Cytosolic phospholipase A₂; S-Nitroso-cysteine; cGMP (Thang, S.H. (395) 183)

Flupirtine; Retigabine; Glutamate toxicity; Reactive oxygen intermediates; Glutathione (Seyfried, J. (400) 155)

PC12D cell

Picroside I; Picroside II; Neurite outgrowth activity; Nerve growth factor (NGF); Mitogen-activated protein (MAP) kinase (Li, P. (406) 203)

P19 cell

Neurosteroid; Development (Grobin, A.C. (409) R1)

p-Chloroamphetamine

Hyperthermia; 5-HT_{2A} receptor; 5-HT_{2B/2C} receptor; (Mouse) (Sugimoto, Y. (403) 225)

p-Chlorophenylalanine

Neuroleptic; Antipsychotic; Catalepsy; Extrapyramidal side-effect; 5-HT (5-hydroxytryptamine, Serotonin) depletion; Dopamine D₂-like receptor; 5-HT_{1A} receptor; Nemonapride; Raclopride; WAY 100635 (Prinssen, E.P.M. (395) 143)

PD 155080

Endothelin-1; Endothelin ET_A-receptor; Endothelin ET_B-receptor; A-192621; Endotoxaemia; Septic shock (Wanecek, M. (386) 235)

(+)-PD128,907

Dopamine; Dopamine D₃ receptor; Motor activity; Postnatal development (Heijtz, R.D. (392) 35)

PD 123319

Angiotensin AT₂ receptor; Losartan; Kinin; Nitric oxide (NO) synthase; Cyclo-oxygenase; Footshock (Israel, A. (394) 103)

PD98059

Ca^{2+} reperfusion; T-588; NGF (nerve growth factor); MAP (mitogen-activated protein) kinase; Astrocyte (Takuma, K. (399) 1)

PD123,319

Angiotensin; Nonpeptide angiotensin receptor agonist; DuP 532; (Feline) (De Witt, B.J. (404) 213)

Penclomedine

Glioma; Telomerase; Chemosensitivity; p53 (Vietor, M. (407) 27)

Penile erection

Hexarelin; EP 60761; EP 50885; Oxytocin; Nitric oxide (NO); Paraventricular nucleus; (Rat) (Melis, M.R. (404) 137)

[³H](+)-Pentazocine

σ Receptor; Haloperidol; σ_1 Receptor mRNA; [³H]DTG ([³H]1,3-di(2-tolyl) guanidine); Species difference (Inoue, A. (401) 307)

(+)-Pentazocine

σ Receptor; Haloperidol; Cerebellum; GTPase; [³⁵S]GTP γ S autoradiography (Hong, W. (408) 117)

Pentose phosphate pathway

Non-steroidal anti-inflammatory drug (NSAID); Apoptosis; Ulcer; Colon cancer (Porter, S.N. (397) 1)

Peptide

Rabbit; Artery; Phosphoinositide; Phospholipase C; Urotensin II (Opgaard, O.S. (406) 265)

Peptide–receptor interaction

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Avoidance; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

Peptide transporter

Drug interaction; Hypoglycemic agent; Nateglinide; Noncompetitive inhibition (Terada, T. (392) 11)

Perforant path–dentate gyrus pathway

Clozapine-induced potentiation; NMDA receptor; MK-801; Haloperidol; Long-term potentiation (Kubota, T. (395) 37)

Perfusion cannula

Dual coronary perfusion method; Coronary bed (Coetzee, W.A. (402) 263)

Peripheral nervous system

Acetylcholine receptor; Ligand-gated ion channel; RNA blot; In situ hybridization; Neural development (Erkman, L. (393) 97)

Peripheral tissue

Donepezil hydrochloride; E2020; Tacrine; Cholinesterase inhibitor; Brain; (Rat, young); (Rat, Aged) (Kosasa, T. (386) 7)

Permeability

Enteropooling; Inflammation, peripheral; Intestine; Opioid; Opioid receptor (Valle, L. (389) 235)

FITC-dextran; Arteriole; Nitric oxide (NO); Platelet-activating factor (PAF); Nitric oxide synthase (NOS) inhibitor; Microcirculation (Klabunde, R.E. (404) 387)

Permeability transition pore

Cerebrocortical neuronal culture; Glutamate excitotoxicity; Mitochondrion; Reactive oxygen species; Cyclophilin; Cyclosporin A; Calcineurin; Nitric oxide (NO) synthase; Adenine nucleotide; Poly (ADP-ribose) polymerase (Ruiz, F. (404) 29)

Peroxynitrite

Cisplatin; Sensory neuropathy; Superoxide production (Szilvásky, J. (403) 259)

Peroxisome proliferator-activated receptor γ

Cardiac hypertrophy; Diabetes; Hyperglycaemia (Bell, D. (390) 237)

Peroxisome proliferator-activated receptor (PPAR)

Retinoid X receptor (RXR); Inflammation; Monocyte; Migration; Matrix metalloproteinase (Kintscher, U. (401) 259)

Peroxyxynitrite

Carrageenan; Inflammation; Nitric oxide (NO); Superoxide dismutase; Tempol (Cuzzocrea, S. (390) 209)

Transplantation; Nitric oxide (NO) synthase; Inducible; Macrophage (Vos, I.H.C. (391) 31)

Dinitrobenzene sulfonic acid; Inflammation; Nitric oxide (NO); Poly (ADP-ribose) synthetase; Colon damage; Free radical (Cuzzocrea, S. (406) 127)

Personality

Genes; Neurotransmission; Polymorphism; Temperament; Abnormal behavior (Ebstein, R.P. (410) 205)

Pertussis toxin

Acetylcholine release; Stomach; Histamine H₃ receptor (Yokotani, K. (392) 23)

Hypothalamo-pituitary-adrenal axis; Aggressive behavior; Monoamine; (Mouse) (Kim, D.-H. (409) 67)

PET (positron emission tomography)

Noradrenaline reuptake site; *Meta*-hydroxyephedrine; Tricyclic antidepressant; (Human) (Malizia, A.L. (391) 263)

P-Glycoprotein

Bioflavonoid; Blood–brain barrier; Vincristine; Protein kinase C (Mitsunaga, Y. (395) 193)

P-Glycoprotein

Placenta; BeWo cells; Blood–placental barrier; Drug disposition (Ushigome, F. (408) 1)

P-glycoprotein

Multidrug resistance; MRP₁ (multidrug resistance-associated protein); Daunorubicin; Calcein-AM; Inhibitor; PAK-104P (Marbeuf-Gueye, C. (391) 207)

P-glycoprotein

5-HT_{1A} receptor; Positron Emission Tomography (PET) (Passchier, J. (407) 273)

P-glycoprotein function, in vivo

Renal failure, acute; P-glycoprotein level; P-glycoprotein-related compound endogenous; Rhodamine 123; Pharmacokinetics (Huang, Z.-H. (406) 453)

P-glycoprotein level

Renal failure, acute; P-glycoprotein function, in vivo; P-glycoprotein-related compound endogenous; Rhodamine 123; Pharmacokinetics (Huang, Z.-H. (406) 453)

P-glycoprotein-related compound endogenous

Renal failure, acute; P-glycoprotein level; P-glycoprotein function, in vivo; Rhodamine 123; Pharmacokinetics (Huang, Z.-H. (406) 453)

pH

Acidosis; ATP; P2X receptor; Purine; Mesenteric arterial bed; Vasoconstriction (Ralevic, V. (406) 99)

pH Modulation

NPPB (5-nitro-2-(3-phenylpropylamino)-benzoic acid); Patch clamp; Ca²⁺ current; Ca²⁺ current, Capacitative; Ca²⁺ release-activated current; Jurkat cell (Li, J.H. (394) 171)

Pharmacodynamics

Acute tolerance; Clozapine, intravenous; Clozapine, oral; Pharmacokinetics; Pharmacokinetic–pharmacodynamic modeling; Potency, relative (Sun, L. (398) 225)

Pharmacoepidemiology

Pharmacogenetics; Polymorphism; Pharmacotherapy (Maitland-van der Zee, A.H. (410) 121)

Pharmacogenetic

Pharmacogenomic; Molecular epidemiology; Genotype; Phenotype; DNA sequence variants; Population genetic; Patient-pair studies (Nebert, D.W. (410) 107)

Pharmacogenetics

Polymorphism; Pharmacotherapy; Pharmacoepidemiology (Maitland-van der Zee, A.H. (410) 121)

5-HT (5-hydroxytryptamine, serotonin); Tryptophan hydroxylase; 5-HT receptor; 5-HT (5-hydroxytryptamine, serotonin) transporter; Monoamine oxidase; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective; Clozapine (Veenstra-VanderWeele, J. (410) 165)

Dopamine receptor; Polymorphism; Mutation; Antipsychotic; Schizophrenia (Wong, A.H.C. (410) 183)

Schizophrenia; Single nucleotide polymorphism; Pharmacogenomics; Genome-wide scanning; DNA microarray (Kawanishi, Y. (410) 227)

Opioid system, endogenous; Gene polymorphism; Single nucleotide polymorphism; Addiction; Physiogenetics (LaForge, K.S. (410) 249)

Long QT syndrome; K⁺ channel; Heart (Escande, D. (410) 281)

Pharmacogenomics

Pharmacogenetic; Molecular epidemiology; Genotype; Phenotype; DNA sequence variants; Population genetic; Patient-pair studies (Nebert, D.W. (410) 107)

Schizophrenia; Pharmacogenetics; Single nucleotide polymorphism; Genome-wide scanning; DNA microarray (Kawanishi, Y. (410) 227)

Opiate; Heroin; Addiction; Genetic; Candidate gene (Lichtermann, D. (410) 269)

Pharmacokinetic–pharmacodynamic modeling

Acute tolerance; Clozapine, intravenous; Clozapine, oral; Pharmacodynamics; Pharmacokinetics; Potency, relative (Sun, L. (398) 225)

Pharmacokinetics

Acute tolerance; Clozapine, intravenous; Clozapine, oral; Pharmacodynamics; Pharmacokinetic–pharmacodynamic modeling; Potency, relative (Sun, L. (398) 225)

Renal failure, acute; P-glycoprotein level; P-glycoprotein function, in vivo; P-glycoprotein-related compound endogenous; Rhodamine 123 (Huang, Z.-H. (406) 453)

Pharmacological

Acetylcholine receptor; Neuron; Property; Ligand binding domain; Physiological (Curtis, L. (393) 155)

Pharmacological comparison

Nicotinic acetylcholine receptor; Subunit null mutation; Binding; Activation (Whiteaker, P. (393) 123)

Pharmacology

α_{1a} -Adrenoceptor; α_{1b} -Adrenoceptor; α_{1d} -Adrenoceptor; Rabbit; Molecular cloning; Tissue distribution (Piao, H. (396) 9)

Dopamine D₄ receptor; G protein-coupled receptor; Structure; Signaling; Physiology; Genetics (Oak, J.N. (405) 303)

Ca²⁺ channel; Recombinant; HEK293 cell (McNaughton, N.C.L. (407) 53)

Pharmacophore model

mGlu8 receptor; mGlu4 receptor; (Rat) (De Colle, C. (394) 17)

Glycine receptor; 5-HT₃ receptor antagonist; Potentiation; Interaction; Selectivity (Chesnoy-Marchais, D. (402) 205)

Pharmacoresistant

Antiepileptic drug; Vigabatrin; Epileptic activity; Temporal lobe epilepsy; Brain slice (Musschoff, U. (401) 167)

Pharmacotherapy

Pharmacogenetics; Polymorphism; Pharmacoepidemiology (Maitland-van der Zee, A.H. (410) 121)

Phenamil

Ryanodine receptor; Skinned fiber; Dichlorobenzamil; Caffeine (Ponte, C.G. (391) 11)

Phencyclidine

Scopolamine; Muscarinic acetylcholine receptor; Prepulse inhibition; Startle; Apomorphine; Dopamine receptor; Glutamate receptor; (Rat) (Jones, C.K. (391) 105)

Prepulse inhibition; Apomorphine; σ 1 Receptor ligand; MS-377 (Yamada, S. (402) 251)

Nitric oxide (NO); N^G-nitro-L-arginine methyl ester; Behaviour; *c-fos*; (Rat) (Bujas-Bobanovic, M. (409) 57)

Phencyclidine receptor

NMDA receptor; Gacyclidine; Gacyclidine enantiomer; Neuroprotection (Hirbec, H. (388) 235)

Phencyclidine site

Glutamate; Neurotoxicity; σ Receptor; Cortical culture (Nishikawa, H. (404) 41)

Phenobarbital

Nitric oxide (NO); Epilepsy; 7-Nitroindazole; Carbamazepine; Diazepam; Lamotrigine; Phenytoin; Valproate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (394) 275)

Phenotype

Pharmacogenetic; Pharmacogenomic; Molecular epidemiology; Genotype; DNA sequence variants; Population genetic; Patient-pair studies (Nebert, D.W. (410) 107)

Phentolamine

Pulmonary arteries; Dexfenfluramine; Prazosin; Ketanserin; Indomethacin (Patnaude, L.A. (401) 229)

Organophosphate; Diisopropyl-fluorophosphate; Aorta; Norepinephrine; (Rat) (Lim, S.L. (404) 353)

Phenylephrine

Radial artery; Phosphodiesterase 3; Olprinone (Adachi, H. (396) 43)

Diabetes; Ouabain; Na⁺,K⁺-ATPase; Vascular reactivity; Streptozotocin; Nitric oxide; (Rat) (Davel, A.P.C. (406) 419)

Phenylethanoid

Macrophage; Nitric oxide (NO); Nitric oxide (NO) synthase; Inducible; 1-propanamine-3-hydroxy-2-nitroso-1-propylhydrazino (PAPA NONOate)(Xiong, Q. (400) 137)

Phenytoin

Epilepsy; Topiramate; Carbamazepine; Valproate; Felbamate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (388) 163)

Nitric oxide (NO); Epilepsy; 7-Nitroindazole; Carbamazepine; Diazepam; Lamotrigine; Phenobarbital; Valproate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (394) 275)

Ovulation; Oestrogen; Uterus (Tamura, K. (398) 317)

Phloacetophenone

Acetophenone analogue; Choleric; Cholesterol; Lithogenic index; (*Curcuma comosa*) (Piyachaturawat, P. (387) 221)

Phlorizin

Streptozotocin; T-1095; Na⁺-glucose cotransporter; Glucose clamp; Glucose tolerance test; Glucose transporter; Insulin sensitivity; Insulin secretion (Oku, A. (391) 183)

Phobia

Nicotine; 5-HT_{1A} receptor; Anxiety; Septum, lateral; Hippocampus, dorsal (File, S.E. (393) 231)

Phoneutria nigriventer venom

Sensory nerve; Neurogenic plasma extravasation; Tachykinin NK₁ receptor agonist; Vanilloid receptor; Purinoceptor (Costa, S.K.P. (391) 305)

Phorbol 12,13-diacetate

Bronchus, human, isolated; Theophylline; Caffeine (Sarriá, B. (399) 65)

Phorbol-12, 13-dibutyrate

Bradykinin; Thermal hyperalgesia; Protein kinase C; Calphostin C; Diabetes; (Mouse) (Kamei, J. (390) 113)

[³H]Phorbol 12,13-dibutyrate binding

5-HT (5-Hydroxytryptamine, serotonin); Endothelial cell, rat; Protein kinase C; Trypsin-treated protein kinase C activity; cAMP; cGMP (Lee, H.-Z. (403) 195)

Phorbol ester

Dopamine release; Protein kinase C; Amphetamine; Cocaine; Transport, reverse (Cowell, R.M. (389) 59)

Protein kinase C; Oxidant; Cellular injury (Tepperman, B.L. (389) 131)

Bradykinin; Inflammation; Neurogenic; Protein kinase C; Triterpenoid (Huguet, A.-I. (410) 69)

Phorbol 12-myristate 13-acetate (PMA)

Taxol; Polyploidization; Protein kinase C; Polymerization (Zong, Z.-p. (394) 181)

Phosphatidylcholine secretion

Pneumocyte (type II); Adrenomedullin; Surfactant; Protein kinase C (Okumura, M. (403) 189)

Phosphatidylinositol 3-kinase

α₁-Adrenoceptor; Receptor phosphorylation; Protein kinase C; G protein receptor kinases; Desensitization (García-Sáinz, J.A. (389) 1)

Phosphatidylinositol-3-kinase

Wortmannin; Adenosine; Methacholine; 5-HT; Bronchoconstriction; Active sensitization; Ovalbumin; Brown Norway, rat (Tigani, B. (406) 469)

Phosphatidylserine

Reserpine; Memory; Passive avoidance (Alves, C.S.D. (404) 161)

Phosphodiesterase 3

Radial artery; Olprinone; Phenylephrine (Adachi, H. (396) 43)

Phosphodiesterase 4

Arthritis; Hyperalgesia; Oedema; TNF-α (tumor necrosis factor-α); Rolipram (Francischi, J.N. (399) 243)

Phosphodiesterase

Pulmonary circulation; cAMP; cGMP; (Pharmacology); (Cat) (De Witt, B.J. (406) 233)

Ethanol withdrawal; Adipose tissue; Hormone-sensitive lipase, cAMP (Shih, M.-F. (409) 223)

Phosphodiesterase 4 inhibitor

RPR 73401; Allergic dermatitis; Ear swelling test, mouse; Interleukin-4 (Ehinger, A.M. (392) 93)

Glaucoma; Sensitized, guinea pig; Airway hyperreactivity; Airway eosinophil infiltration; Airway microvascular leakage (Pons, R. (397) 187)

Phosphodiesterase inhibitor

Matrix metalloproteinase; Tissue remodelling; Bronchoalveolar lavage; (Mouse) (Belleguic, C. (404) 369)

Streptozotocin-diabetic, rat; Cilostazol; Antiplatelet vasodilating agent (Yamamoto, Y. (409) 1)

Phosphoinositide

Rabbit; Artery; Peptide; Phospholipase C; Urotensin II (Opgaard, O.S. (406) 265)

Phosphoinositide breakdown

HCL-31D, platelet aggregation; cAMP; Thromboxane B₂ (Chou, T.-C. (387) 125)

Phosphoinositide turnover

Cholecystokinin; SR146131; [Ca²⁺]_i; Binding; (Human) (Schaeffer, P. (397) 303)

Phospholipase A₂

Nuclear-factor-κB; Mitogen-activated protein kinase; Interleukin-1; Inflammation (Burgermeister, E. (388) 195)

Cardiomyocyte; Ca²⁺ channel; Arachidonic acid; Mepacrine (Xiao, Y.-F. (399) 107)

Carrageenin-induced pleurisy, rat; Anti-inflammatory steroid; Dexamethasone; Prostaglandin H synthase-2 (cyclooxygenase-2) (Kawamura, M. (400) 127)

Melittin; Gap junction; Connexin; Endothelium-derived hyperpolarizing factor (EDHF); Endothelium; Smooth muscle, vascular (Hutcheson, I.R. (406) 239)

Phospholipase C

Neutrophils, rat; p38 Mitogen-activated protein kinase; Tyrosine kinase; Protein kinase C; Ca²⁺, cytosolic-free (Chang, L.-C. (390) 61)

Pancreastatin receptor; Signaling; G protein; MAPK; HTC cell; Insulin resistance (Sánchez-Margalet, V. (397) 229)

Histamine; Chromaffin cell; Ca²⁺; Inositol phospholipid; Adrenal medulla (Roberts-Thomson, E.L. (398) 199)

Rabbit; Artery; Phosphoinositide; Peptide; Urotensin II (Opgaard, O.S. (406) 265)

Phosphoramidon

Endothelin-1; FR139317; BQ-788; Transmural electrical stimulation (Nagayama, T. (406) 69)

Phosphorylation

G protein-coupled receptor; Dopamine; Palmitoylation; Desensitization; Adenylyl cyclase (Jin, H. (386) 305)

Dopamine transporter; Cocaine; Cocaine analog; Chimera; Site-directed mutagenesis (Chen, N. (405) 329)

Photoaffinity labeling

Nicotinic acetylcholine receptor; Antagonist, noncompetitive; Antagonist, competitive; 5-HT (5-hydroxytryptamine, serotonin) (Blanton, M.P. (389) 155)

Physical dependence

Dihydroetorphine; Morphine; Stereotypy; Continuous infusion; (Rat) (Aceto, M.D. (387) 31)

Physiogenetics

Opioid system, endogenous; Gene polymorphism; Single nucleotide polymorphism; Addiction; Pharmacogenetics (LaForge, K.S. (410) 249)

Physiological

Acetylcholine receptor; Neuron; Property; Ligand binding domain; Pharmacological (Curtis, L. (393) 155)

Physiology

Dopamine D₄ receptor; G protein-coupled receptor; Structure; Pharmacology; Signaling; Genetics (Oak, J.N. (405) 303)

Physostigmine

Donepezil hydrochloride (E2020); Tacrine; ENA-713; TAK-147; NIK-247; Cholinesterase inhibitor; Cholinesterase (Kosasa, T. (389) 173)

Picroliv

Ischemia–reperfusion injury; Liver; Antioxidant (Singh, A.K. (395) 229)

Picroside I

Picroside II; Neurite outgrowth activity; Nerve growth factor (NGF); Mitogen-activated protein (MAP) kinase; PC12D cell (Li, P. (406) 203)

Picroside II

Picroside I; Neurite outgrowth activity; Nerve growth factor (NGF); Mitogen-activated protein (MAP) kinase; PC12D cell (Li, P. (406) 203)

Pilsicainide

Disopyramide; Cibenzoline; QTc; Adrenaline; (Dog) (Miyamoto, S. (400) 263)

Pimozide

K⁺ channel; HERG (human ether-a-go-go-related gene); Arrhythmia; Antipsychotic agent (Kang, J. (392) 137)

Pineal gland

Melatonin; *N'*-acetyl-5-hydroxytryptamine (*N'*-acetyl-5-HT); Suramin; P2-receptor (Mortani Barbosa Jr., E.J. (401) 59)

Pioglitazone

Apoptosis; Smooth muscle cell, vascular; p53; Gadd45; Troglitazone (Okura, T. (407) 227)

4-PIOL

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; Taurine; β-Alanine; Muscimol; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

5-(4-piperidine)isoxazol-3-ol

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; Taurine; β-Alanine; Muscimol; 4-PIOL (Rabe, H. (409) 233)

Pituitary adenylate cyclase activating polypeptide (PACAP)

Atrium; cAMP (Cui, X. (402) 129)

Place conditioning

Naloxone; Morphine; Sensitization; NMDA receptor antagonist; Mice (Blokhina, E.A. (406) 227)

Placenta

P-Glycoprotein; BeWo cells; Blood–placental barrier; Drug disposition (Ushigome, F. (408) 1)

Placenta, rat

Norepinephrine transporter; Cocaine, chronic (Shearman, L.P. (386) 1)

Planaria

D2 receptor; UV light (Raffa, R.B. (406) R11)

Plant alkaloid

Cryptolepine; Neocryptolepine; Topoisomerase II; Cytotoxicity; Apoptosis (Dassonneville, L. (409) 9)

Plaque

Alzheimer's disease; Amyloid precursor protein; Amyloid-β peptide; Tau; Tangle; Nicotine; Muscarinic receptor; Nicotinic receptor; Cholinesterase inhibitor (Hellström-Lindahl, E. (393) 255)

Plasma

Kynurenine; 3-Hydroxyanthranilic acid; Inhibitor; Brain; (Rat) (Forrest-Wallin, B. (386) 15)

Plasma extravasation

Substance P; Vasodilatation; Knee joint, Rabbit (Lam, F.F.Y. (400) 327)

Platelet

Valproate; Arachidonic acid cascade; Brain microvessel, rat (Szupera, Z. (387) 205)

Aspirin; Dipyridamole; Nitric oxide (NO); Polymorphonuclear leukocyte (De La Cruz, J.P. (397) 35)

Endothelial factor; Hemostasis; Nitric oxide (NO); Thrombosis (Momi, S. (397) 177)

TA-993; Glycoprotein IIb/IIIa receptor; ADP; Actin polymerization; Ca²⁺, intracellular (Katoh, M. (399) 91)

Alzheimer disease; Amyloid precursor protein (APP); Diagnosis (Di Luca, M. (405) 277)

Platelet aggregation

Angiotensin-converting enzyme; Angiotensin-converting enzyme inhibitor; Endothelial cells, cultured; Umbilical veins, human; Nitric oxide (NO) (Persson, K. (406) 15)

Thrombin; Coagulation; Shear; Bifunctional inhibitor (Taka, T. (406) 181)

(PDGF) Platelet-derived growth factor

Biscoclaurine alkaloid; (TGF-β) Transforming growth factor-β; Mesangial cell, rat (Hayama, M. (390) 37)

Platelet-derived growth factor A-chain

Methylene methylimino linkage; Antisense; Spontaneously hypertensive rat (SHR); Smooth muscle cell, vascular (Kishioka, H. (392) 129)

Platelet, human

Thrombin; Thromboxane; Protein kinase C; Protein kinase inhibitor (Samokhin, G.P. (386) 297)

Plethysmometry

Paw oedema; Adenosine A₁ receptor; Adenosine A₂ receptor; Adenosine A₃ receptor; (Rat) (Sawynok, J. (386) 253)

Pleura

Angiotensin II; Angiotensin II type 1 receptor; Ca²⁺, cytosolic; Mesothelial cell (Kuwahara, M. (388) 21)

Pleurisy

Benzodiazepine receptor, peripheral; Paw oedema (Torres, S.R. (408) 199)

Plus-maze

Anxiety; Opiate; Benzodiazepine; Naloxone (Belzung, C. (394) 289)

Nicotinic acetylcholine receptor; Sensitization; Disinhibition; Locomotor activity; (Rat) (Ericson, M. (397) 103)

P38 MAPK (P38 mitogen-activated protein kinase)

Okadaic acid; Adrenomedullin; ERK (extracellular signal-related kinase); JNK (jun amino-terminal kinase) (Parameswaran, N. (388) 133)

Pneumocyte (type II)

Phosphatidylcholine secretion; Adrenomedullin; Surfactant; Protein kinase C (Okumura, M. (403) 189)

Poly(ADP-ribose)polymerase

Glioma; Nitrosoureas; 3-Aminobenzamide (Winter, S. (398) 177)

Poly (ADP-ribose) polymerase

Cerebrocortical neuronal culture; Glutamate excitotoxicity; Mitochondrion; Permeability transition pore; Reactive oxygen species; Cyclophilin; Cyclosporin A; Calcineurin; Nitric oxide (NO) synthase; Adenine nucleotide (Ruiz, F. (404) 29)

Poly (ADP-ribose) synthetase

Dinitrobenzene sulfonic acid; Inflammation; Nitric oxide (NO); Peroxynitrite; Colon damage; Free radical (Cuzzocrea, S. (406) 127)

Polygoidal

Relaxation; Aorta, rabbit; Pulmonary artery, rabbit; Pulmonary artery, guinea-pig; Nitric oxide (NO) (André, E. (386) 47)

Polymerization

Taxol; Polyploidization; Phorbol 12-myristate 13-acetate (PMA); Protein kinase C (Zong, Z.-p. (394) 181)

Polymorphism

Pharmacogenetics; Pharmacotherapy; Pharmacoepidemiology (Maitland-van der Zee, A.H. (410) 121)

Dopamine receptor; Pharmacogenetics; Mutation; Antipsychotic; Schizophrenia (Wong, A.H.C. (410) 183)

Personality; Genes; Neurotransmission; Temperament; Abnormal behavior (Ebstein, R.P. (410) 205)

Angiotensin; Angiotensin-converting enzyme; Angiotensinogen; Angiotensin AT₁ receptor; Renin (Danser, A.H.J. (410) 303)

Polymorphonuclear leukocyte

Aspirin; Dipyridamole; Nitric oxide (NO); Platelet (De La Cruz, J.P. (397) 35)

Rho kinase; p160ROCK; Superoxide production; Aggregation (Kawaguchi, A. (403) 203)

Polyploidization

Taxol; Phorbol 12-myristate 13-acetate (PMA); Protein kinase C; Polymerization (Zong, Z.-p. (394) 181)

Pons / medulla

μ-Opioid receptor; G-protein; Antinociception; Diabetes (Ohsawa, M. (401) 55)

Population genetic

Pharmacogenetic; Pharmacogenomic; Molecular epidemiology; Genotype; Phenotype; DNA sequence variants; Patient-pair studies (Nebert, D.W. (410) 107)

***Porigonum tinctorium* Lour.**

Indirubin; Interferon-γ; Delayed-type, hypersensitivity (Kunikata, T. (410) 93)

Positive inotropic effect

Ventricular muscle, dog; Ca²⁺ transient; Myofibrillar Ca²⁺ sensitivity; cAMP; Levosimendan (Takahashi, R. (400) 103)

Positron Emission Tomography (PET)

5-HT_{1A} receptor; P-glycoprotein (Passchier, J. (407) 273)

Postnatal development

Dopamine; Dopamine D₃ receptor; (+)-PD128,907; Motor activity (Heijtz, R.D. (392) 35)

Post-operative ileus

Gastrointestinal transit; Gastrointestinal motility; Interdigestive migrating contraction; SK-896; Prostaglandin F_{2α}; (Dog) (Tsukamoto, K. (401) 97)

Post-traumatic stress disorder (PTSD)

Behaviour; Autonomic response; Endocrine response; Anxiety; Affective disorder; (Rat) (Stam, R. (405) 217)

Potency, relative

Acute tolerance; Clozapine, intravenous; Clozapine, oral; Pharmacodynamics; Pharmacokinetics; Pharmacokinetic-pharmacodynamic modeling (Sun, L. (398) 225)

Potent adenylate cyclase activator

Protein kinase-A; Protein phosphatase-1/protein phosphatase-2A (Parameswaran, N. (407) 205)

Potentiation

Cocaine; Noradrenaline; Blood pressure; Contractility; Chlorisondamine (Sabra, R. (397) 139)

Glycine receptor; 5-HT₃ receptor antagonist; Interaction; Pharmacophore model; Selectivity (Chesnoy-Marchais, D. (402) 205)

PPADS (Pyridoxal-phosphate-6-azophenyl-2,4'-disulphonic acid)

Capsaicin; Myenteric neuron; VIP (Vasoactive intestinal polypeptide); PACAP (Pituitary adenylate cyclase activating peptide); NO (Nitric oxide); Small intestine (Barthó, L. (392) 183)

PPADS (pyridoxal-5'-phosphate-6-phenylazo-2',4'-disulfonate)

P2 receptor antagonist; PPADS (pyridoxal-5'-phosphate-6-(2'-naphthylazo-6'-nitro-4',8'-disulfonate)) (Lambrecht, G. (387) R19)

PPADS (pyridoxal-5'-phosphate-6-(2'-naphthylazo-6'-nitro-4',8'-disulfonate))

P2 receptor antagonist; PPADS (pyridoxal-5'-phosphate-6-phenylazo-2',4'-disulfonate) (Lambrecht, G. (387) R19)

P₂ purinoceptors

ATP; Feeding behaviour (Kittner, H. (406) R13)

Pravastatin

Monocyte; Inflammation; Lipid metabolism; Pro-inflammatory molecule (Grip, O. (410) 83)

Prazosin

Morphine withdrawal; Ventricle, right; Catecholaminergic activity; Yohimbine (Milanés, M.V. (397) 311)

Pulmonary arteries; Dexfenfluramine; Phentolamine; Ketanserin; Indomethacin (Patnaude, L.A. (401) 229)

Preconditioning; Angiotensin; Ischaemia; Colchicine (Sharma, A. (406) 85)

P2 receptor

EDHF (endothelin-derived hyperpolarising factor); Endothelium; Purine; Pyrimidine; Vasodilatation (Malmjö, M. (390) 173)

P2-receptor

Pineal gland; Melatonin; *N'*-acetyl-5-hydroxytryptamine (*N'*-acetyl-5-HT); Suramin (Mortani Barbosa Jr., E.J. (401) 59)

P2 receptor antagonist

PPNDS (pyridoxal-5'-phosphate-6-(2'-naphthylazo-6'-nitro-4',8'-disulfonate)); PPADS (pyridoxal-5'-phosphate-6-phenylazo-2',4'-disulfonate) (Lambrecht, G. (387) R19)

Preclinical study

5-HT_{1B/1D} receptor agonist; Migraine; Almotriptan (Gras, J. (410) 43)

Preconditioning

Brain; Cerebral ischemia; Ischemic tolerance; Lipopolysaccharide; Nitric oxide (NO); Nitric oxide synthase (NOS); Heat shock protein; Nitro-L-arginine methyl ester; (Rat) (Puisieux, F. (389) 71)

Angiotensin; Ischaemia; Prazosin; Colchicine (Sharma, A. (406) 85)

CGRP (calcitonin gene-related peptide); TNF- α (tumor necrosis factor- α); Glibenclamide; Heart, rat (Peng, J. (407) 303)

Pre-eclampsia

Histamine; Nitric oxide (NO); Endothelium; ANP (atrial natriuretic peptide); (Human) (Suzuki, Y. (410) 7)

Prefrontal cortex

Addiction; Dependence; Dopamine; Nicotine; Nucleus accumbens (Di Chiara, G. (393) 295)

Dopamine; Microdialysis, *In vivo*; Shuttle-box; Working memory; (Gerbil) (Stark, H. (405) 263)

Pregnenolone

CO-induced amnesia; Neuroactive steroid; Dehydroepiandrosterone; Learning; Memory; (Mouse) (Maurice, T. (390) 145)

Pregnenolone sulfate

Anabolic steroid; Ethylestrenol; Passive avoidance behavior; Memory; Non-linear dynamics; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Prejunctional neuromodulation

Adenosine; ATP; Mesentery, hamster; Purine receptor; Sympathetic neurotransmission (Ralevic, V. (387) 287)

Prenatal

Androgen; Th1/Th2; Immune function; Estrogen; Autoimmunity (Martin, J.T. (405) 251)

Preoptic anterior hypothalamus

Lipopolysaccharide; Fever; μ -Opioid receptor antagonist (Benamar, K. (401) 161)

Prepulse inhibition

Scopolamine; Muscarinic acetylcholine receptor; Startle; Apomorphine; Phencyclidine; Dopamine receptor; Glutamate receptor; (Rat) (Jones, C.K. (391) 105)

Apomorphine; Phencyclidine; σ 1 Receptor ligand; MS-377 (Yamada, S. (402) 251)

Pre-pulse inhibition

Nicotine; Schizophrenia; Information processing; (Rat) (Mirza, N.R. (407) 73)

Presynaptic modulation

Basolateral amygdala; Synaptic γ -aminobutyric acid (GABA) transmission; 5-HT_{1A} receptors; Dissociated neuron and tandospirone (Kishimoto, K. (407) 257)

Primary culture

DNA synthesis; Proliferation; Prostaglandin; Hepatocyte; (Adult rat) (Kimura, M. (404) 259)

Primary cultured neuron

Acamprosate; Ethanol; Spermine; NMDA receptor; Patch-clamp, whole-cell (Popp, R.L. (394) 221)

Primary culture of hepatocyte

Insulin; Tyrosine phosphorylation; cAMP phosphodiesterase; Microtubule; Wortmannin; Herbimycin A (Ishibashi, K. (409) 109)

Primary neuronal culture

NS-105; Glutamate receptor, metabotropic; Adenylyl cyclase; Antisense oligodeoxynucleotide, knockdown (Hirouchi, M. (387) 9)

Primed-burst stimulation

Synaptic plasticity; Long-term potentiation; Visual cortex; Ketamine (Salami, M. (390) 287)

Proarrhythmia

Antiarrhythmic; Class I; Myocardial ischaemia; Arrhythmia (Barrett, T.D. (398) 365)

Probenecid

OAT1 (organic anion transporter 1); *p*-Aminohippurate; Methotrexate; NSAID (nonsteroidal anti-inflammatory drug); Kidney; (Rat) (Uwai, Y. (409) 31)

Progesterone

Diazepam; γ -Aminobutyric acid (GABA); K⁺ channel; Coronary (Jacob, M.K. (403) 209)

Pro-inflammatory molecule

Pravastatin; Monocyte; Inflammation; Lipid metabolism (Grip, O. (410) 83)

Prolactin

Low dose; Grooming, Novelty-induced; Sexual behavior, Male; Sexual behavior, Female (Drago, F. (405) 131)

Proliferation

Ibuprofen; Cyclooxygenase; Smooth muscle cell (Weber, A.-A. (389) 67)

[Met⁵]enkephalin; Gender; T-lymphocyte; B-lymphocyte; Opioid receptor (Gabrilovac, J. (392) 101)

Endothelial cell; Angiogenesis; Ca^{2+} influx (Kawasaki, J. (398) 19)

Berberine; Nitric oxide (NO); K^+ channel; Ca^{2+} channel; Vasorelaxation; Mesenteric artery; (Rat) (Ko, W.-H. (399) 187)

Heparin; Intragastric administration; Gastric ulcer healing; Nitric oxide (NO) synthase, Constitutive; Regeneration; Angiogenesis (Li, Y. (399) 205)

Dermatan; Chondroitin sulfate; Fibroblast; Chondroitinase (Denholm, E.M. (400) 145)

DNA synthesis; Prostaglandin; Primary culture; Hepatocyte; (Adult rat) (Kimura, M. (404) 259)

Neuromedin B receptor antagonist, nonpeptide; Ca^{2+} , cytosolic; *c-fos* mRNA; Focal adhesion kinase (Moody, T.W. (409) 133)

Osteoblast, Human; CGRP (calcitonin gene-related peptide); CGRP-(8-37); Amylin, Amylin-(8-37); cAMP (Villa, I. (409) 273)

Pro-matrix metalloproteinase 1

Osteoarthritis; Rheumatoid arthritis; Aceclofenac; 4'-Hydroxy aceclofenac; Pro-matrix metalloproteinase 3; Articular chondrocyte, rabbit (Akimoto, H. (401) 429)

Pro-matrix metalloproteinase 3

Osteoarthritis; Rheumatoid arthritis; Aceclofenac; 4'-Hydroxy aceclofenac; Pro-matrix metalloproteinase 1; Articular chondrocyte, rabbit (Akimoto, H. (401) 429)

Promoter

Nicotinic receptor; Transcription; Enhancer; Neuron (Deneris, E.S. (393) 69)

Nicotinic receptor; Neuron, human; Gene; Transcriptional regulation (Flora, A. (393) 85)

Property

Acetylcholine receptor; Neuron; Ligand binding domain; Pharmacological; Physiological (Curtis, L. (393) 155)

Propofol

GABA_A receptor; Anesthetic; Locus coeruleus (Chen, C.-L. (386) 201)

Arterial baroreceptor; Autonomic nervous system (Xu, H. (387) 79)

GABA (γ -aminobutyric acid); Anaesthetic; Benzodiazepine; Optic nerve (Empson, R.M. (401) 339)

Oxidative stress; Free radical; Antioxidant; Cortical culture; Vitamin E (Boland, A. (404) 21)

Propranolol

Zatebradine; Ischemia-induced arrhythmia; Reperfusion arrhythmia; (Dog) (Naito, H. (388) 171)

Prostacyclin

Constitutively-active receptor; Chimeric receptor; IP receptor; Partial agonist (Wise, H. (386) 89)

Pulmonary artery, human; Contraction; Cysteinyl-leukotriene receptor; BAY u9773; MK 571 (Bäck, M. (401) 389)

Prostaglandin

Urinary bladder; Epithelium; Diabetes (Pinna, C. (388) 267)

Airway; Leukotriene; Neuromediator; Endothelin; (Mouse) (Richter, M. (389) 225)

Morphine withdrawal; Prostanoid EP₃ receptor; μ -Opioid receptor; *c-fos*; Locus coeruleus (Nakagawa, T. (390) 257)

Momordin Ic; Gastrointestinal transit; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₂ receptor (Li, Y. (392) 71)

Hyperosmolarity; Nitric oxide (NO); Vasoactive intestinal peptide (VIP); Tracheal perfusion; (Guinea-pig) (Hjoberg, J. (398) 303)

Thiazolidinedione; Hemodynamics; Heart; Coronary vasorelaxant (Uchida, K. (400) 113)

DNA synthesis; Proliferation; Primary culture; Hepatocyte; (Adult rat) (Kimura, M. (404) 259)

Helicobacter pylori; NSAID; Cyclooxygenase; Gastric ulceration (Takahashi, S. (406) 461)

Wogonin; Flavonoid; Cyclooxygenase; Macrophage (Wakabayashi, I. (406) 477)

Tryptanthrin; Nitric oxide; Inducible NO synthase; Cyclooxygenase; Inflammation (Ishihara, T. (407) 197)

Prostaglandin E₂

Endothelin-1; Cyclooxygenase 2; Lipopolysaccharide; Macrophage (Shimada, K. (388) 187)

Bradykinin; Interleukin-1 β ; Ca^{2+} mobilization; Gingival fibroblast, human (Nakao, S. (395) 247)

JTE-522; Cyclooxygenase-2; Thromboxane A₂; U-46619; Airway hyperresponsiveness; Ozone; (Guinea pig) (Nakano, H. (403) 267)

Prostaglandin F_{2 α}

Gastrointestinal transit; Gastrointestinal motility; Interdigestive migrating contraction; Post-operative ileus; SK-896; (Dog) (Tsukamoto, K. (401) 97)

Nitric oxide (NO); Hypoxic pulmonary vasoconstriction; Pulmonary arterial tone; L-NAME; *N*- γ -nitro-L-arginine methyl ester (Jones, R.D. (402) 111)

Nonvascular smooth muscle; Mitogen-activated protein kinase; Contraction; Carbachol (Yousufzai, S.Y.K. (407) 17)

Prostaglandin H synthase-2 (cyclooxygenase-2)

Carrageenin-induced pleurisy, rat; Anti-inflammatory steroid; Dexamethasone; Phospholipase A₂ (Kawamura, M. (400) 127)

Prostanoid

[Arg⁸]vasopressin; Smooth muscle cell; Cell proliferation (Nagano, K. (389) 25)

Hyperpolarization; Nitric oxide (NO); *N*^ω-nitro-L-arginine; ODQ (1*H*-[1,2,4]oxadiazolo[4,3-*a*]quinoxalin-1-one); Carotid artery; Femoral artery (Crauwels, H.M. (404) 341)

Purinergic neuromodulation; Endothelium; Bradykinin (Thapaliya, S. (408) 313)

Prostanoid EP₃ receptor

Morphine withdrawal; Prostaglandin; μ -Opioid receptor; *c-fos*; Locus coeruleus (Nakagawa, T. (390) 257)

Prostate

α_1 -Adrenoceptor; α_{1L} -Adrenoceptor; JTH-601; (Dog) (Suzuki, Y. (394) 123)

Endothelin; Neuromuscular transmission; Endothelin ET_A receptor; (Rat) (Salamoussa, A. (403) 139)

α_{1A} -Adrenoceptor antagonist; Adrenoceptor subtype (Chang, R.S.L. (409) 301)

Protection, delayed

Myocardial infarction; Adenosine receptor agonist; (Minipig) (Meng, H. (387) 101)

Protective effect

Liver, rat; Ischemia–reperfusion; ATP; Bile flow; Glutathione; Antioxidant (Settaf, A. (406) 281)

Protein kinase

CREB (cAMP responsive element binding protein); δ -Opioid receptor; DPDPE ([D-Pen^{2,5}]enkephalin), Morphine; NG108-15 neuroblastoma (Bilecki, W. (390) 1)

Protein kinase A

Rp-cAMPS; H-89; Mitogenesis (Osinski, M.T. (395) 173)

Mesenteric artery, rat; cAMP; Levromakalim; Forskolin; K_{ATP} channels (Omar, R. (401) 85)

K⁺ channel, Ca²⁺-activated; Large conductance; Detrusor muscle; β -Adrenoceptor (Kobayashi, H. (404) 231)

Protein kinase-A

Potent adenylate cyclase activator; Protein phosphatase-1/protein phosphatase-2A (Parameswaran, N. (407) 205)

Protein kinase C

Thrombin; Thromboxane; Protein kinase inhibitor; Platelet, human (Samokhin, G.P. (386) 297)

α_1 -Adrenoceptor; Receptor phosphorylation; Phosphatidylinositol 3-kinase; G protein receptor kinases; Desensitization (García-Sáinz, J.A. (389) 1)

Dopamine release; Amphetamine; Phorbol ester; Cocaine; Transport, reverse (Cowell, R.M. (389) 59)

Phorbol ester; Oxidant; Cellular injury (Tepperman, B.L. (389) 131)

Adenosine A₁ receptor; ATP; FRTL-5 thyroid cell; Signal transduction (Vainio, M. (390) 43)

Neutrophils, rat; p38 Mitogen-activated protein kinase; Tyrosine kinase; Phospholipase C; Ca²⁺, cytosolic-free (Chang, L.-C. (390) 61)

Bradykinin; Thermal hyperalgesia; Phorbol-12, 13-dibutyrate; Calphostin C; Diabetes; (Mouse) (Kamei, J. (390) 113)

Cerebrovascular constriction; Tamoxifen; Oxyhemoglobin (Wickman, G. (390) 181)

UTP contraction; Aorta, rat; Smooth muscle; Vascular; Ca²⁺ (López, C. (391) 299)

Taxol; Polyploidization; Phorbol 12-myristate 13-acetate (PMA); Polymerization (Zong, Z.-p. (394) 181)

P-Glycoprotein; Bioflavonoid; Blood–brain barrier; Vincristine (Mitsunaga, Y. (395) 193)

Endothelin-1; Cardiac muscle; [Ca²⁺]_i transient (Izumi, M. (396) 109)

Nerve ligation; Chronic pain; TrkB receptor; Spinal cord; (Mouse) (Narita, M. (401) 187)

Hyperalgesia; Nerve ligation; Inflammation; Spinal cord; (Mouse) (Ohsawa, M. (403) 81)

Taurine; Angiotensin II; Cell size; Fetal gene expression; Growth factor gene expression (Azuma, M. (403) 181)

Pneumocyte (type II); Phosphatidylcholine secretion; Adrenomedullin; Surfactant (Okumura, M. (403) 189)

5-HT (5-Hydroxytryptamine, serotonin); Endothelial cell, rat; [³H]Phorbol 12,13-dibutyrate binding; Trypsin-treated protein kinase C activity; cAMP; cGMP (Lee, H.-Z. (403) 195)

Differentiation; Atherosclerosis; Gene expression; α -tropomyosin; (Rat) (Hirano, K. (406) 209)

Bradykinin; Inflammation; Neurogenic; Phorbol ester; Triterpenoid (Huguet, A.-I. (410) 69)

Protein kinase, cAMP-dependent

MAP (mitogen-activated protein) kinase cascade; Regulation; Signal transduction (Mizuno, K. (404) 63)

Protein kinase, cGMP-dependent

N-methyl-D-aspartate (NMDA); Nitric oxide (NO); Nociception; Spinal cord; Hyperalgesia; Pain (Tao, Y.-X. (392) 141)

Protein kinase C isoform

Subarachnoid hemorrhage; Cerebral vasospasm (Nishizawa, S. (398) 113)

Protein kinase inhibitor

Thrombin; Thromboxane; Protein kinase C; Platelet, human (Samokhin, G.P. (386) 297)

Protein phosphatase

Endothelial cell; Thrombin receptor (Mizuno, O. (389) 13)

Steroid; Dopamine D₂ receptor agonist; Dopamine D₂ receptor antagonist; Uptake (Thompson, T.L. (401) 357)

Protein phosphatase-1 / protein phosphatase-2A

Potent adenylate cyclase activator; Protein kinase-A (Parameswaran, N. (407) 205)

Protein SV-IV

Hemophilia A; Blood coagulation control; Antithrombin consumption; Thrombin–antithrombin complex; Factor Xa/antithrombin complex (Di Micco, B. (391) 1)

Protoporphyrin IX

Benzodiazepine receptor, mitochondrial; δ -Aminolaevulinic acid; Zinc protoporphyrin IX; Aciflourfen; Protoporphyrinogen oxidase (Mesenhöller, M. (406) 171)

Protoporphyrinogen oxidase

Benzodiazepine receptor, mitochondrial; δ -Aminolaevulinic acid; Protoporphyrin IX; Zinc protoporphyrin IX; Aciflourfen (Mesenhöller, M. (406) 171)

Psychiatric disorder

5-HT_{1B/D} receptor; 5-HT (5-hydroxytryptamine, serotonin) release; 5-HT (5-hydroxytryptamine, serotonin) synthesis; Depression; Anxiety; Obsessive compulsive disorder; Desensitisation; Supersensitive; Target (Moret, C. (404) 1)

Psychoneuroendocrinology

Psychoneuroimmunoenocrinology; Genetic; Molecular biology (Brambilla, F. (405) 341)

Psychoneuroimmunoendocrinology

Psychoneuroendocrinology; Genetic; Molecular biology (Brambilla, F. (405) 341)

Psychoneuroimmunology

Conditioned response; Immunity; Stress (Ader, R. (405) 167)

Psychostimulant

Dopamine transporter; Amphetamine (Fleckenstein, A.E. (406) 1)

Psychostimulants sensitization

Cocaine; Amphetamine; Nucleus accumbens shell; Nucleus accumbens core (Cadoni, C. (388) 69)

Pulmonary arterial tone

Nitric oxide (NO); Hypoxic pulmonary vasoconstriction; L-NAME; *N*- γ -nitro-L-arginine methyl ester; Prostaglandin F_{2 α} (Jones, R.D. (402) 111)

Pulmonary arteries

Dexfenfluramine; Phentolamine; Prazosin; Ketanserin; Indomethacin (Patnaude, L.A. (401) 229)

Pulmonary artery

Stroke-prone spontaneously hypertensive rats (SHRSP); α -Adrenoceptors; Nitric oxide (NO); Endothelium (Matsuda, K. (392) 61)

Hypersensitivity; Ovalbumin; Endothelial reactivity; Nitric oxide (NO) (Akar, F. (395) 225)

Pulmonary artery, guinea-pig

Polygoidal; Relaxation; Aorta, rabbit; Pulmonary artery, rabbit; Nitric oxide (NO) (André, E. (386) 47)

Pulmonary artery, human

Contraction; Cysteinyl-leukotriene receptor; Prostacyclin; BAY u9773; MK 571 (Bäck, M. (401) 389)

Pulmonary artery, porcine

Leukotriene; Contraction; CysLT receptor; ICI 204,219; BAY u9773 (Bäck, M. (401) 381)

Pulmonary artery, rabbit

Polygoidal; Relaxation; Aorta, rabbit; Pulmonary artery, guinea-pig; Nitric oxide (NO) (André, E. (386) 47)

Pulmonary circulation

Phosphodiesterase; cAMP; cGMP; (Pharmacology); (Cat) (De Witt, B.J. (406) 233)

Pulmonary hypertension

Chronic hypoxia; 5-HT (5-hydroxytryptamine, serotonin) uptake; Lung, rat (Jeffery, T.K. (396) 137)

Pulmonary neuroendocrine cell

α_7 Nicotinic receptor; Nicotine; Nicotine-derived nitrosamine; Small cell lung carcinoma; Mitogenic signal transduction (Schuller, H.M. (393) 265)

Pulmonary supernumerary artery

5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1D}-like receptor (Shaw, A.M. (408) 69)

Pulmonary vasoconstriction

Chronic hypoxia; Lung; Endothelin-1; Big-endothelin-1; Sarafotoxin-6C; Pulmonary vasodilation; Bronchoconstriction; Endothelin ET_B receptor; (Rat) (Lal, H. (402) 101)

Pulmonary vasodilation

Chronic hypoxia; Lung; Endothelin-1; Big-endothelin-1; Sarafotoxin-6C; Pulmonary vasoconstriction; Bronchoconstriction; Endothelin ET_B receptor; (Rat) (Lal, H. (402) 101)

Purine

EDHF (endothelin-derived hyperpolarising factor); Endothelium; P2 receptor; Pyrimidine; Vasodilatation (Malmjö, M. (390) 173)

Acidosis; ATP; P2X receptor; pH; Mesenteric arterial bed; Vasoconstriction (Ralevic, V. (406) 99)

Adenosine; ATP; Nucleotide; Hippocampus; Suramin; Long-term potentiation (O'Kane, E.M. (409) 159)

Purine receptor

Adenosine; ATP; Mesentery, hamster; Prejunctional neuromodulation; Sympathetic neurotransmission (Ralevic, V. (387) 287)

Purinergic

Vas deferens; Ectonucleotidase; ATP (Tennant, J.P. (387) 107)

Purinergic neuromodulation

Endothelium; Bradykinin; Prostanoid (Thapaliya, S. (408) 313)

Purinoceptor

Phonetreria nigriventer venom; Sensory nerve; Neurogenic plasma extravasation; Tachykinin NK₁ receptor agonist; Vanilloid receptor (Costa, S.K.P. (391) 305)

Neonate; Cardiac myocyte; Ca²⁺ current, L-type; Adenosine; ATP (Suto, F. (409) 213)

Hormonal control; Endothelial receptor, luminal; ATP; Endothelial mediator; Cardiac function control (Zenteno-Savin, T. (410) 15)

Purkinje cell

AMPA receptor; GYKI 53784; Aniracetam; Cyclothiazide; 1-BCP; BDP-12 (Kapus, G. (397) 43)

Cocaine; Cerebellum; Norepinephrine; Microiontophoresis; Glutamate; (Rat) (Jiménez-Rivera, C.A. (407) 91)

Purkinje fibre

Fluoroquinolones; Sparfloxacin; Moxifloxacin; Grepafloxacin; Ciprofloxacin; Cardiac action potential; (Canine) (Patmore, L. (406) 449)

P2X receptor

Acidosis; ATP; pH; Purine; Mesenteric arterial bed; Vasoconstriction (Ralevic, V. (406) 99)

Enteric neuron; Submucosal neuron; ATP receptor; Ca²⁺; Receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

P2X₃ receptor

Ethanol; Trichloroethanol (Köles, L. (409) R3)

P2Y receptor

Sweat gland; Anionic secretion; Hyperhidrosis; Ca^{2+} , intracellular; Ussing chamber (Bovell, D.L. (403) 45)

Enteric neuron; Submucosal neuron; ATP receptor; Ca^{2+} ; Receptor; P2X receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

Pyridinoline

Cyclosporin A; Osteopenia; Arginine; (Rat) (Fiore, C.E. (408) 323)

Pyridobenzoazepine

Electrophysiology; Antidepressant; 5-HT_{1A} receptor; α_2 -Adrenoceptor; Tyramine; Norepinephrine transporter (Liégeois, J.-F. (386) 211)

Pyrimidine

EDHF (endothelin-derived hyperpolarising factor); Endothelium; P2 receptor; Purine; Vasodilatation (Malmsjö, M. (390) 173)

Pyruvate-oxidation

β_3 -Adrenoceptor agonists; Thermogenesis; Glucose metabolism; Soleus muscle, isolated (Board, M. (406) 33)

QTc

Disopyramide; Cibenzoline; Pilsicainide; Adrenaline; (Dog) (Miyamoto, S. (400) 263)

QT-prolongation

HERG; Fluoroquinolones; Patch-clamp technique (Bischoff, U. (406) 341)

Quantitative trait locus

Alcohol; Opioid receptor; Genetics; Alcoholism (Town, T. (410) 243)

Quetiapine

5-HT_{1A} receptor; GTP γ [³⁵S]; Brain, human; Antipsychotic drug; Clozapine (Elliott, J. (386) 313)

Quinolinic acid

NMDA (*N*-methyl-D-aspartate); Kynurenine; Long-term potentiation; Hippocampus; NMDA receptor subunit (Youssef, F. (398) 349)

Quinpirole

Baroreflex; Renal sympathetic nerve activity; Rabbit, conscious (Van den Buuse, M. (388) 85)

[³⁵S]GTP γ S binding, agonist-stimulated; Dopamine D₂-like receptor; Monoamine oxidase inhibitor; Striatum; (Rat) (Gilliland, S.L. (392) 125)

Blood pressure; Spinal cord transection; Intrathecal domperidone; Dopamine D₂ receptor, spinal; Conscious, rat (Lahlou, S. (408) 51)

Quisqualic acid

mGlu₁ receptor, Arg⁷⁸; Agonist binding; Glutamic acid; Mutagenesis (Jensen, A.A. (397) 247)

Rabbit

α_{1a} -Adrenoceptor; α_{1b} -Adrenoceptor; α_{1d} -Adrenoceptor; Molecular cloning; Pharmacology; Tissue distribution (Piao, H. (396) 9)

Artery; Phosphoinositide; Peptide; Phospholipase C; Urotensin II (Opgaard, O.S. (406) 265)

Rabbit, conscious

Quinpirole; Baroreflex; Renal sympathetic nerve activity (Van den Buuse, M. (388) 85)

Rabeprazole

Histamine; Enterochromaffin-like cell; Mast cell; Mast cell-deficient, rat (Nakamura, S. (394) 9)

Rabies virus

NG108-15 cell; Ca^{2+} current; α -Adrenoceptor; Muscarinic receptor; Patch clamp, Whole-cell (Iwata, M. (404) 79)

Racemic-flurbiprofen

c-Fos; *S*(+)-flurbiprofen; *R*(-)-flurbiprofen; Noxious heat; Spinal dorsal horn (Buritova, J. (406) 59)

Raclopride

Neuroleptic; Antipsychotic; Catalepsy; Extrapyramidal side-effect; 5-HT (5-hydroxytryptamine, Serotonin) depletion; Dopamine D₂-like receptor; 5-HT_{1A} receptor; *p*-Chlorophenylalanine; Nemonapride; WAY 100635 (Prinssen, E.P.M. (395) 143)

Radial-arm maze

SR141716A; Cannabinoid; Working memory (Lichtman, A.H. (404) 175)

Radial artery

Phosphodiesterase 3; Olprinone; Phenylephrine (Adachi, H. (396) 43)

Radical oxygen intermediate

Endocannabinoid; Cytokine (Gallily, R. (406) R5)

Radicol

LL-Z1640-2; Mitogen-activated protein kinases; c-Jun N-terminal kinase; HgCl₂ (Matsuoka, M. (409) 155)

Radiolabeled ligand binding

MS-377; σ Binding site; Brain membrane, rat (Karasawa, J.-i. (400) 51)

Radioligand binding

β -Adrenoceptor; Muscarinic acetylcholine receptor (Manukhin, B.N. (386) 279)

Muscarinic receptor; Gallbladder; Receptor heterogeneity; Kinetics; Ca^{2+} , Intracellular; Ca^{2+} , Extracellular; Sr^{2+} ; (Guinea pig) (Akici, A. (388) 115)

Maxi-K⁺ channel; Iberitoxin; Urinary bladder (Molinari, E.J. (388) 155)

5-HT₃ receptor; Zn^{2+} ; Cation, Divalent; Voltage-clamp, Whole-cell; Neuromodulation (Hubbard, P.C. (394) 189)

NMDA receptor; Receptor occupancy, in vivo; NR2B subunit; MK-801 (Murray, F. (397) 263)

Dopamine; D3 receptor; BP 897; Microphysiometry (Wood, M.D. (407) 47)

Radiotelemetry

Abecarnil; Withdrawal, precipitated (Elliot, E.E. (394) 237)

Nandrolone decanoate; Deca durabolin; Cocaine; Cardiac hypertrophy; ECG (electrocardiogram); Noradrenaline (Phillis, B.D. (398) 263)

Anxiety; Stress; 5-HT_{1A} receptor; Tachycardia; Hyperthermia (Bouwknicht, J.A. (400) 59)

L-DOPA methylester; Parkinson's disease; Daily rhythm; Chronopharmacology; Infusion constant rate (Simon, N. (401) 79)

Raf-1

Ribavirin; Ras; Cell cycle; Heat shock; Extracellular signal-regulated protein kinase; GTP (Vallée, S. (404) 49)

Ramipril

Metoprolol; Myocardial infarction; Action potential; Papillary muscle (Wagner, K.-D. (388) 263)

RAMP (receptor activity-modifying protein)

Lenticulostriate artery, human; RT-PCR; CGRP (calcitonin gene-related peptide); Adrenomedullin; CRLR (calcitonin receptor-like receptor) (Sams, A. (408) 183)

Ranitidine

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ulcer healing; Gastric blood flow; Interleukin-1 β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Raphe nuclei

5-HT (5-hydroxytryptamine, serotonin); Paroxetine; Tianeptine; Frontal cortex; Microdialysis, in vivo (Malagié, I. (403) 55)

Ras

Ribavirin; Raf-1; Cell cycle; Heat shock; Extracellular signal-regulated protein kinase; GTP (Vallée, S. (404) 49)

Rat

Ensaculin; Dopamine; DOPAC (3,4-dihydroxyphenylacetic acid); Glutamate; Microdialysis (Teismann, P. (398) 247)

Rat sino-atrial nodal cell

Cibenzoline; Disopyramide; Ionic current; I_{Kr} ; I_{Ks} (Satoh, H. (407) 123)

Rat, spinal

Opiate; Dependence, acute; Gender difference; Cardiovascular system; Blood pressure; Heart rate (Cruz, S.L. (397) 121)

Rauwolscine

α_2 -Adrenoceptor; Agonist, Inverse; G protein-coupled receptor; RX821002; MK-912; GTP (Murrin, L.C. (398) 185)

RAW264.7

Cannabinoid CB₂ receptor; WIN55212; Palmitoylethanolamide; Nitric oxide (NO); Macrophage; cAMP (Ross, R.A. (401) 121)

RB 120

Fluoxetine; Conditioned place preference; Morphine; CI 988; CCK₂ receptor antagonist (Subhan, F. (390) 137)

Enkephalin catabolism, mixed inhibitors; Enkephalin, endogenous; Drug discrimination; Morphine; CI 988; CCK₁ receptor antagonist (Hutcheson, D.M. (401) 197)

Reactive oxygen intermediates

Flupirtine; Retigabine; Glutamate toxicity; PC12 cells; Glutathione (Seyfried, J. (400) 155)

Reactive oxygen species

Ischemia–reperfusion; Cyclopiazonic acid; Oxidative stress; Free radical (Grover, A.K. (387) 87)

Cerebrocortical neuronal culture; Glutamate excitotoxicity; Mitochondrion; Permeability transition pore; Cyclophilin; Cyclosporin A; Calcineurin; Nitric oxide (NO) synthase; Adenine nucleotide; Poly (ADP-ribose) polymerase (Ruiz, F. (404) 29)

Rebamipide

CCK₁ receptor; $[Ca^{2+}]_i$ oscillation; Pancreatic acinar cell (Moon, S.J. (388) 17)

Rebeccamycin

Indolocarbazole; Cell membrane; Cellular uptake; Carbohydrate (Goossens, J.-F. (389) 141)

Receptor

Cannabinoid; Capsaicin; Neuron; Afferent; Pain; Sensory; Vasodilation (Zygmunt, P.M. (396) 39)

Glutamate; Metabotropic; Antagonist; 2-Methyl-6-(phenylethynyl)-pyridine (MPEP) (Spooren, W.P.J.M. (406) 403)

Enteric neuron; Submucosal neuron; ATP receptor; Ca^{2+} ; P2X receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

 σ Receptor

Organotypic slice culture; Mesencephalon; *N*-methyl-D-aspartate (NMDA); Dopaminergic neuron (Shimazu, S. (388) 139)

Glutamate release; GABA (γ -aminobutyric acid) release; Synaptosome; Cerebellum (Garrone, B. (400) 35)

Neuroleptic; Haloperidol; Dystonia; Extrapyramidal (Matsumoto, R.R. (401) 155)

Haloperidol; σ_1 Receptor mRNA; [³H]DTG ([³H]1,3-di (2-tolyl) guanine); [³H](+)-Pentazocine; Species difference (Inoue, A. (401) 307)

Glutamate; Neurotoxicity; Phencyclidine site; Cortical culture (Nishikawa, H. (404) 41)

(+)-Pentazocine; Haloperidol; Cerebellum; GTPase; [³⁵S]GTP γ S autoradiography (Hong, W. (408) 117)

Receptor associated modifying protein (RAMP)

Amylin; Adrenomedullin; Calcitonin gene-related peptide (CGRP); Calcitonin receptor-like receptor; Myocardial contraction (Saetrum Opgaard, O. (397) 373)

Receptor binding

NMDA receptor; Glycine site; GV150526A (Mugnaini, M. (391) 233)

Receptor coupling

Chemokine; G-protein coupled receptor; HIV (human immunodeficiency virus) (Di Salvo, J. (409) 143)

Receptor expression

Ligand binding; cAMP; mRNA detection (Dautzenberg, F.M. (390) 51)

Receptor fragment

Dopamine receptor; COS-7 cell; Adenylate cyclase (Scarselli, M. (397) 291)

Receptor heterogeneity

Muscarinic receptor; Gallbladder; Radioligand binding; Kinetics; Ca^{2+} , Intracellular; Ca^{2+} , Extracellular; Sr^{2+} ; (Guinea pig) (Akici, A. (388) 115)

GABA_A/benzodiazepine receptor; Hippocampus; Olfactory bulb; Ligand affinity; α subunit (Lameh, J. (400) 167)

 $\sigma 1$ Receptor ligand

Prepulse inhibition; Apomorphine; Phencyclidine; MS-377 (Yamada, S. (402) 251)

σ_1 Receptor mRNA

σ Receptor; Haloperidol; [^3H]DTG ([^3H]1,3-di (2-tolyl) guanidine); [^3H](+)-Pentazocine; Species difference (Inoue, A. (401) 307)

Receptor occupancy, in vivo

NMDA receptor; NR2B subunit; MK-801; Radioligand binding (Murray, F. (397) 263)

Receptor phosphorylation

α_1 -Adrenoceptor; Protein kinase C; Phosphatidylinositol 3-kinase; G protein receptor kinases; Desensitization (García-Sáinz, J.A. (389) 1)

Receptor regulation

GEPR (genetically epilepsy-prone rat); Electroshock; Convulsion; α_1 -Adrenoceptor; β -Adrenoceptor (Seo, D.O. (396) 53)

Receptor reserve

5-HT_{1A} receptor; EEDQ; [^{35}S]GTP γ S binding assay; Hippocampus; Cortex; Spare receptor (Alper, R.H. (390) 67)

 α_7 Receptor-selective agonist

GTS-21; 4OH-GTS-21 (Papke, R.L. (393) 179)

Recombinant

Ca²⁺ channel; HEK293 cell; Pharmacology (McNaughton, N.C.L. (407) 53)

Recovery

α_2 -Adrenoceptor antagonist; Focal cerebral ischemia; Sensorimotor functions; (Rat) (Jolkonen, J. (400) 211)

Redox

L-S-Nitrosocysteine; Nitric oxide (NO); Vasodilation; (Rat) (Hoque, A. (408) 195)

Regeneration

Heparin; Intragastric administration; Gastric ulcer healing; Nitric oxide (NO) synthase, Constitutive; Proliferation; Angiogenesis (Li, Y. (399) 205)

Development; Melanocortin (Strand, F.L. (405) 3)

Regulation

Bradykinin B₁ receptor; Bradykinin B₂ receptor; [^3H]des-Arg¹⁰-kallidin; [^3H]Bradykinin; WI-38 cell; Cytokine (Phagoo, S.B. (397) 237)

MAP (mitogen-activated protein) kinase cascade; Protein kinase, cAMP-dependent; Signal transduction (Mizuno, K. (404) 63)

Relaxation

Polygoidal; Aorta, rabbit; Pulmonary artery, rabbit; Pulmonary artery, guinea-pig; Nitric oxide (NO) (André, E. (386) 47)

Thapsigargin; Nitric oxide (NO); Endothelium; K⁺ channel; Aorta; (Rat) (Huang, Y. (392) 51)

β -Adrenoceptor; Age; Endothelium; Isoprenaline; K⁺ channel (Van der Zyp, A. (397) 129)

Renal failure

Gentamicin; Nitric oxide (NO); L-arginine; L-NAME (*N*^ω-nitro-L-arginine methyl ester); (Rat) (Can, C. (390) 327)

Renal failure, acute

P-glycoprotein level; P-glycoprotein function, in vivo; P-glycoprotein-related compound endogenous; Rhodamine 123; Pharmacokinetics (Huang, Z.-H. (406) 453)

Renal sympathetic nerve activity

Quinpirole; Baroreflex; Rabbit, conscious (Van den Buuse, M. (388) 85)

Renal tubular secretion

OAT1 (organic anion transporter 1); *Xenopus* oocytes; Sulfonyleurea; Nateglinide; *p*-Aminohippurate (Uwai, Y. (398) 193)

Renal vasculature, rat

Bradykinin; Bradykinin B₂ receptor; Carboxypeptidase; Neutral endopeptidase; Angiotensin I converting enzyme; Aminopeptidase P (Bagaté, K. (407) 317)

Renin

Angiotensin; Angiotensin-converting enzyme; Angiotensinogen; Angiotensin AT₁ receptor; Polymorphism (Danser, A.H.J. (410) 303)

Renin-angiotensin system

Guanylyl cyclase, soluble; Superoxide anion; Aorta; Hypertension (Jacke, K. (403) 27)

Repaglinide

Exocytosis; Glucagon; K_{ATP} channel; Nateglinide (Bokvist, K. (386) 105)

Reperfusion

Angiotensin-converting enzyme inhibitor; Bradykinin; Ischemia; Ventricular function, dog (Hosoya, K. (390) 157)

K_{ATP} channel; Hypertension; Arrhythmias; Myocardial ischemia (Lee, Y.-M. (397) 151)

Diltiazem; Coronary flow; Heart, isolated, rat; Ischemia; Microsphere (Katsumata, N. (398) 83)

TY-12533; Na⁺/H⁺ exchanger; Ischemia; Arrhythmia; Myocardial infarction (Aihara, K. (404) 221)

Reperfusion arrhythmia

Zatebradine; Ischemia-induced arrhythmia; Propranolol; (Dog) (Naito, H. (388) 171)

Antiarrhythmic drug; Action potential duration; V_{max} (Baczko, I. (404) 181)

Reperfusion injury

Apoptosis; Cardiac ischemia; Infarct; Caspase inhibitor (Huang, J.-Q. (402) 139)

Amrinone; Ischaemia; (Rat) (Rechtman, M.P. (402) 255)

Na⁺/H⁺ exchange; Myocardial ischemia (Yamada, K. (404) 201)

Reporter gene assay

Melatonin receptor; cAMP response element; Luciferase; HEK293 cell (Conway, S. (390) 15)

Reserpine

Bafilomycin A₁; α -Fluoromethylhistidine; Histidine decarboxylase; Vacuolar-type ATPase; Vesicular monoamine transporter (Lindström, E. (387) 19)

Phosphatidylserine; Memory; Passive avoidance (Alves, C.S.D. (404) 161)

Respiration

Buprenorphine; Methocloinnamox; Opioid receptor agonist; Opioid receptor antagonist; (Rhesus monkey) (Kishioka, S. (391) 289)

Ca²⁺ channel blocker; Opioid; Rhesus monkey (Kishioka, S. (397) 85)

Opioid; Tolerance; Dependence; (Rhesus monkey) (Kishioka, S. (398) 121)

Respiratory mechanics

Endothelin; Endothelin ET_A/ET_B receptor antagonist bifunctional; IRL 3630A (Makatani, M. (406) 139)

Restraint stress

Adaptation; D-Amphetamine; Conditioned place preference; Dopamine D₁ receptor; Dopamine D₂ receptor; Opioid system; Sensitization (Capriles, N. (386) 127)

Antidepressant drug; Desipramine; Grooming; Locomotor activity; Mesolimbic dopamine system; Open field; Chronic mild stress (D'Aquila, P.S. (399) 43)

Retigabine

Anticonvulsant; Entorhinal cortex; Spike frequency habituation; EPSP (excitatory postsynaptic potential); IPSP (inhibitory postsynaptic potential); K⁺ channel opener (Hetka, R. (386) 165)

Flupirtine; Glutamate toxicity; PC12 cells; Reactive oxygen intermediates; Glutathione (Seyfried, J. (400) 155)

Retinoid

Bradykinin B₁ receptor; Umbilical vein, human (Sardi, S.P. (407) 313)

Retinoid X receptor (RXR)

Peroxisome proliferator-activated receptor (PPAR); Inflammation; Monocyte; Migration; Matrix metalloproteinase (Kintscher, U. (401) 259)

Retrosplenial cortex

Dizocilpine ((+)-MK-801); NMDA receptor antagonist; Neurotoxicity; Clozapine; Olanzapine; Immediate early gene (Fujimura, M. (398) 1)

Reverse phase HPLC

Clonidine-displacing substance; NG108-15 cell; Imidazoline binding site (Parker, C.A. (387) 27)

Reward

Endogenous opoid; Addiction; Brain stimulation reward; Self-administration; Sexual behaviour; Social behaviour (Van Ree, J.M. (405) 89)

R(-)-flurbiprofen

c-Fos; Racemic-flurbiprofen; S(+)-flurbiprofen; Noxious heat; Spinal dorsal horn (Buritova, J. (406) 59)

Rhesus

Lipolysis; Tachycardia (Forrest, M.J. (407) 175)

Rhesus monkey

Respiration; Ca²⁺ channel blocker; Opioid (Kishioka, S. (397) 85)

Rheumatoid arthritis

Synovocyte; Cyclooxygenase-1; Cyclooxygenase-2; Meloxicam (Tsubouchi, Y. (395) 255)

Osteoarthritis; Aceclofenac; 4'-Hydroxy aceclofenac; Pro-matrix metalloproteinase 1; Pro-matrix metalloproteinase 3; Articular chondrocyte, rabbit (Akimoto, H. (401) 429)

Rho

Airway; Bronchodilation; Rho-associated coiled coil-forming protein kinase; Smooth muscle (Nakahara, T. (389) 103)

Rho-associated coiled coil-forming protein kinase

Airway; Bronchodilation; Rho; Smooth muscle (Nakahara, T. (389) 103)

Rhodamine 123

Renal failure, acute; P-glycoprotein level; P-glycoprotein function, in vivo; P-glycoprotein-related compound endogenous; Pharmacokinetics (Huang, Z.-H. (406) 453)

Rho kinase

Polymorphonuclear leukocyte; p160ROCK; Superoxide production; Aggregation (Kawaguchi, A. (403) 203)

Rho-kinase

Bronchodilator; Y-27632 (Iizuka, K. (406) 273)

Ribavirin

Ras; Raf-1; Cell cycle; Heat shock; Extracellular signal-regulated protein kinase; GTP (Vallée, S. (404) 49)

Ribozyme

Dopamine D₂ receptor; Stereotypy (Salmi, P. (388) R1)

Ricinoleic acid

Capsaicin; Nociception; Pain; Substance P; Tachykinin; (Guinea pig); (Mouse) (Vieira, C. (407) 109)

Riluzole

Hyperalgesia; Ventral posterolateral nucleus; Excitatory amino acid; Morphine; Dizocilpine (Abarca, C. (403) 67)

Epilepsy; Audiogenic seizure; AMPA (α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid); Glycine/NMDA receptor; DBA/2 mouse (De Sarro, G. (408) 25)

Risperidone

Microdialysis; Schizophrenia; Antipsychotic drug; Electrophysiology; Noradrenergic system (Nasif, F.J. (394) 67)

Ritanserin

Clozapine; Haloperidol; Ascorbic acid; Ethanol; Microdialysis; (Rat) (Liu, W. (398) 333)

RNA blot

Acetylcholine receptor; Ligand-gated ion channel; In situ hybridization; Peripheral nervous system; Neural development (Erkman, L. (393) 97)

RNA-mediated interference

G-protein coupled receptor; *npr-1* (Gomes, A.V. (397) R3)

RO 43-0440

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Ro 32-0432

CGRP receptor, porcine, cloned; G protein-coupled receptor kinase; Homologous desensitization; CGRP (calcitonin gene-related peptide); Antisense oligonucleotide (Aiyar, N. (403) 1)

Rolipram

Arthritis; Phosphodiesterase 4; Hyperalgesia; Oedema; TNF- α (tumor necrosis factor- α) (Francischi, J.N. (399) 243)

Ropivacaine

Inflammation; Leukocyte (Zhang, X.W. (392) R1)

Rosiglitazone

Thiazolidinedione; Troglitazone; BRL 49653; K_{ATP} current; Glibenclamide; K^+ channel (Mishra, S.K. (386) 121)

Rostral ventromedial medulla

C-fibre; Flexor reflex; Wind-up; Spino-bulbo-spinal; Inhibitory feedback mechanism; Morphine (Gozariu, M. (394) 75)

Rotarod

Dopamine D_1 receptor; Dopamine D_3 receptor; Knockout mice; Locomotor activity; Exploratory behaviour; Elevated plus maze; Spatial learning (Karasinska, J.M. (399) 171)

Rotation

δ -Opioid receptor agonist; Tonazocine; SNC-80; Parkinson's disease (Hudzik, T.J. (396) 101)

Rp-cAMPS

Protein kinase A; H-89; Mitogenesis (Osinski, M.T. (395) 173)

RPR 73401

Phosphodiesterase 4 inhibitor; Allergic dermatitis; Ear swelling test, mouse; Interleukin-4 (Ehinger, A.M. (392) 93)

RPR 118723

Glycine antagonist; Glutamate; *N*-methyl-D-aspartate (NMDA) receptor-channel complex; TCP binding; Dopamine release (Boireau, A. (401) 131)

 $\rho 1$ subunit

GABA (γ -aminobutyric acid); GABA $_C$ receptor; Loreclezole (Thomet, U. (408) R1)

RT-PCR

Lenticulostriate artery, human; CGRP (calcitonin gene-related peptide); Adrenomedullin; CRLR (calcitonin receptor-like receptor); RAMP (receptor activity-modifying protein) (Sams, A. (408) 183)

RT-PCR (reverse transcription-polymerase chain reaction)

Dysmotility; Ischemia-reperfusion; Colon; Adenosine A_1 receptor antagonist; (Rat) (Kadowaki, M. (409) 319)

RX821002

Imidazoline I_2 receptor ligand; Idazoxan; Metrazoline; Benazoline; Tracizoline; Food intake; Water intake (Polidori, C. (392) 41)

α_2 -Adrenoceptor; Agonist, Inverse; G protein-coupled receptor; MK-912; GTP; Rauwolscine (Murrin, L.C. (398) 185)

Ryanodine receptor

Skinny fiber; Dichlorobenzamil; Phenamil; Caffeine (Ponte, C.G. (391) 11)

S-0139

Endothelin receptor subtype; Antagonist activity; Blood vessel, rabbit; Blood vessel, canine (Iwasaki, T. (400) 255)

S-14506

Affinity; Intrinsic activity; Efficacy; Gpp(NH)p shift; 5-HT $_{1A}$ receptor ligand; Dihydroergotamine (Assié, M.-B. (386) 97)

S18986-1

AMPA receptor; Hippocampus; Noradrenaline release; Allosteric modulator (Lockhart, B. (401) 145)

S 18986-1

AMPA receptor; Object recognition; Memory; (Rat) (Lebrun, C. (401) 205)

Salivary flow rate

Desipramine; Gingivitis; Microbiota; Salivary protein; Tricyclic antidepressant (Koller, M.M. (408) 91)

Salivary protein

Desipramine; Gingivitis; Microbiota; Salivary flow rate; Tricyclic antidepressant (Koller, M.M. (408) 91)

Intestinal motility; Lipopolysaccharide (Tan, D. (409) 203)

Salmeterol

Benzalkonium chloride; Mast cell; G-protein; β_2 -Adrenoceptor; Asthma (Seebeck, J. (397) 19)

Saphenous vein

Thromboxane A_2 ; TP receptor; Forskolin; cAMP; Mammary artery, internal (Cracowski, J.-L. (387) 295)

Coronary artery; Eletriptan; GR125743; Middle meningeal artery; Migraine; Serotonin; Sumatriptan; (Human) (Van den Broek, R.W.M. (407) 165)

In vivo; Adrenoceptor; 5-HT receptor; (Rabbit) (Vayssettes-Courchay, C. (408) 277)

Sarafotoxin-6C

Chronic hypoxia; Lung; Endothelin-1; Big-endothelin-1; Pulmonary vasoconstriction; Pulmonary vasodilation; Bronchoconstriction; Endothelin ET $_B$ receptor; (Rat) (Lal, H. (402) 101)

Sarafotoxin S6c

Cytokine; Endothelin ET $_B$ receptor; Interleukin-1 β ; Interleukin-6; Interferon- γ ; TNF- α (tumour necrosis factor- α); Vasoactivity (White, L.R. (406) 117)

Sarcoplasmic reticulum

Ca $^{2+}$ -ATPase, Sarcoplasmic reticulum; Ca $^{2+}$ uptake function; Superficial buffer barrier hypothesis; Ca $^{2+}$ influx; Ca $^{2+}$ channel, L-type; Arterial contraction (Nomura, Y. (404) 315)

Superficial buffer barrier hypothesis; Ca $^{2+}$ -induced Ca $^{2+}$ release channels; Ca $^{2+}$ movement; Ca $^{2+}$ influx; Ca $^{2+}$ channel, L-type (Asano, M. (404) 327)

Sarpogrelate

5-HT $_{2A}$ receptor antagonist; Antinociception; Formalin test; (Rat) (Obata, H. (404) 95)

SB 204070A

Forced swim test; 5-HT $_4$ receptor; Fluoxetine; Antidepressant (Cryan, J.F. (409) 295)

SC17599

Antinociception; Locomotor activity; Straub tail; Morphine; (Mouse) (Houshyar, H. (395) 121)

SCH 39166

Dopamine; Dopamine D_1 receptor agonist; Drug discrimination; SKF-82958; Cocaine; (Rat) (Haile, C.N. (388) 125)

SCH 23390

Catalepsy; Dopamine D_2 receptor; Dopamine D_3 receptor; Haloperidol; Knock-out mice (Boulay, D. (391) 63)

Eticlopride; Species-specificity; Monoamine (Sandoval, V. (409) 265)

SCH 58261

Adenosine A_{2A} receptor; ZM 241385; CGS 21680; Motor activity; Knockout, mouse (El Yacoubi, M. (401) 63)

Schizophrenia

Dopamine; Dopamine D₂ receptor, extrastriatal; [¹²³I]Epidepride; SPECT (Single photon emission computed tomography); α -Methyl-*para*-tyrosine; Binding, in vivo (Fujita, M. (387) 179)

Drug discrimination; Glutamate receptor, Metabotropic (Schreiber, R. (388) R3)

Neuronal nicotinic receptor; Nicotinic receptor distribution; Nicotine; Nicotinic agent; Dementia; Ageing; Epilepsy; Tobacco addiction (Clementi, F. (393) 3)

Nicotinic receptor; Nicotine; Smoking; Gene duplication; Neutrophil (Leonard, S. (393) 237)

Risperidone; Microdialysis; Antipsychotic drug; Electrophysiology; Noradrenergic system (Nasif, F.J. (394) 67)

Stress; Cognition; Coping; Hypothalamic–pituitary–adrenal system; Immune system (Gispén-de Wied, C.C. (405) 375)

Bipolar disorder; Depression; Memory; Synaptic plasticity; Ventricle enlargement; Neurocognitive impairment (Vawter, M.P. (405) 385)

Nicotine; Pre-pulse inhibition; Information processing; (Rat) (Mirza, N.R. (407) 73)

Dopamine receptor; Pharmacogenetics; Polymorphism; Mutation; Antipsychotic (Wong, A.H.C. (410) 183)

Pharmacogenetics; Single nucleotide polymorphism; Pharmacogenomics; Genome-wide scanning; DNA microarray (Kawanishi, Y. (410) 227)

Sciatic nerve

Nicotinic receptor; Acetylcholine receptor; α -Bungarotoxin; Ciliary ganglion; Neuronal (Roth, A.L. (393) 105)

Scinderin

Cytoskeleton; Exocytosis; Insulin (Bruun, T.Z. (403) 221)

Scopolamine

Muscarinic acetylcholine receptor; Prepulse inhibition; Startle; Apomorphine; Phencyclidine; Dopamine receptor; Glutamate receptor; (Rat) (Jones, C.K. (391) 105)

Scratching behavior

Immunoglobulin E; Anaphylaxis, passive cutaneous; Substance P; Histamine; Histamine H₁ receptor; Oxatomide; Epinastine; Cetirizine; Terfenadine; (Mouse) (Inagaki, N. (400) 73)

Scroplioside A

Anti-inflammatory activity; Verbascosaponin A; Verbascosaponin; Scrovalentinoside; (*Scrophularia auriculata* ssp. *pseudoauriculata*) (Giner, R.-M. (389) 243)

Scrovalentinoside

Anti-inflammatory activity; Verbascosaponin A; Verbascosaponin; Scroplioside A; (*Scrophularia auriculata* ssp. *pseudoauriculata*) (Giner, R.-M. (389) 243)

SDZ CPI 975

Carnitine palmitoyltransferase; Etomoxir; Hypertrophy (Yotsumoto, T. (398) 297)

Second messenger

Signal transduction; G protein; α_2 -Adrenoceptor; G protein coupled receptor; 5-HT receptor; 5-HT_{1A} receptor (Happe, H.K. (399) 17)

Secretory vesicle

α -Fluoromethylhistidine; Gastrin; Histamine; Histidine decarboxylase; Microdialysis in vivo; ECL cell; Stomach (Norlén, P. (400) 1)

Sedation

GABA_A/benzodiazepine receptor; 3D pharmacophore (Harris, D.L. (401) 271)

Allodynia; Antinociception; Diuresis; Dynorphin; κ -Opioid receptors (Ko, M.C.H. (402) 69)

Seizure

Lethality; Sensitization (Gasior, M. (387) R15)

5-HT (5-hydroxytryptamine, serotonin); Kindling; Hippocampus (Watanabe, K.-i. (398) 239)

Topiramate; Antiepileptic drug; Electroshock, maximal; Drug interaction (Świąder, M. (399) 35)

3-Nitropropionic acid; Mitochondrial toxin; GABA (γ -aminobutyric acid); 4-Aminopyridine; Electroconvulsion (Haberek, G. (403) 229)

SEK-1005

Wound healing accelerator; Healing-impaired, mouse; Cyclic peptide; TGF- β 1 (transforming growth factor- β 1) inducer (Abe, Y. (408) 213)

Selected line

Dopamine; Nicotine; Ethanol; Microdialysis; Nucleus accumbens (Kianmaa, K. (407) 293)

Selectin

Sialyl Lewis X; Acute lung injury; Lipopolysaccharide (Hayashi, H. (392) 109)

Selective serotonin (5-hydroxytryptamine, 5-HT) reuptake inhibitor

Microdialysis; Serotonin (5-hydroxytryptamine, 5-HT); Venlafaxine; YM992; Antidepressant (Hatanaka, K.-i. (395) 23)

Selectivity

Glycine receptor; 5-HT₃ receptor antagonist; Potentiation; Interaction; Pharmacophore model (Chesnoy-Marchais, D. (402) 205)

Self-administration

Cocaine; Corticosterone; Neuroendocrine; Hypothalamo pituitary–adrenal axis; Stress (Galici, R. (387) 59)

Catecholamine; Epinephrine; Norepinephrine; Corticosterone; Yoking; Nicotine (Donny, E.C. (402) 231)

Muscarinic receptor agonist; Cocaine; Drug-naïve; (Mouse) (Rasmussen, T. (402) 241)

Endogenous opioid; Addiction; Reward; Brain stimulation reward; Sexual behaviour; Social behaviour (Van Ree, J.M. (405) 89)

Sensitization

Restraint stress; Adaptation; D-Amphetamine; Conditioned place preference; Dopamine D₁ receptor; Dopamine D₂ receptor; Opioid system (Capriles, N. (386) 127)

Seizure; Lethality (Gasior, M. (387) R15)

Methamphetamine; Adenosine; Adenosine A₁ receptor; Adenosine A_{2A} receptor (Shimazoe, T. (388) 249)

5-HT₃ receptor; Cocaine; Ondansetron; (Rat) (King, G.R. (394) 97)

Nicotinic acetylcholine receptor; Disinhibition; Locomotor activity; Plus-maze; (Rat) (Ericson, M. (397) 103)

Ibogaine; Cocaine; Dopamine; Stereotypy; Drug addiction (Szumlinski, K.K. (398) 259)

Naloxone; Morphine; Place conditioning; NMDA receptor antagonist; Mice (Blokina, E.A. (406) 227)

Sensitized, guinea pig

Glauconine; Phosphodiesterase 4 inhibitor; Airway hyperreactivity; Airway eosinophil infiltration; Airway microvascular leakage (Pons, R. (397) 187)

Sensorimotor functions

α_2 -Adrenoceptor antagonist; Focal cerebral ischemia; Recovery; (Rat) (Jolkonen, J. (400) 211)

Sensory

Cannabinoid; Capsaicin; Neuron; Afferent; Pain; Receptor; Vasodilation (Zygmunt, P.M. (396) 39)

Sensory–motor test

γ -Hydroxybutyrate; Cerebral ischemia; Hippocampus; Immunohistochemistry; Spatial learning (Vergoni, A.V. (397) 75)

Sensory nerve

Phonotria nigriventer venom; Neurogenic plasma extravasation; Tachykinin NK₁ receptor agonist; Vanilloid receptor; Purinoceptor (Costa, S.K.P. (391) 305)

Sensory nerve fibre

Vasodilation; CGRP (calcitonin-gene-related peptide); Migraine (Olivar, T. (395) 61)

Sensory neuropathy

Cisplatin; Superoxide production; Peroxynitrite (Szilvási, J. (403) 259)

Septic shock

Endothelin-1; Endothelin ET_A-receptor; Endothelin ET_B-receptor; A-192621; PD 155080; Endotoxaemia (Wanecek, M. (386) 235)

Endothelin-1; Endothelin receptor antagonism; Endotoxin (Wanecek, M. (407) 1)

Septum, Epilepsy

Clonidine; BAY K 8644; GABA (γ -aminobutyric acid); Ca²⁺ channel, L-type; Limbic system (Baran, H. (401) 31)

Septum, lateral

Nicotine; 5-HT_{1A} receptor; Anxiety; Phobia; Hippocampus, dorsal (File, S.E. (393) 231)

Serine protease inhibitor

Chloromethyl ketone; Stroke; Focal ischemia; Apoptosis; Nitric oxide (NO) (LeBlanc, M.H. (390) 249)

Serotonergic system

FR140423; Antinociception; 5-HT_{2A} receptor; 5-HT₃ receptor; Spinal cord; (Mice) (Ochi, T. (409) 167)

Serotonin

Acetylcholine; Choline; Cortex, medial prefrontal; Norepinephrine (Hedou, G. (390) 127)

Coronary artery; Eletriptan; GR125743; Middle meningeal artery; Migraine; Sphenous vein; Sumatriptan; (Human) (Van den Broek, R.W.M. (407) 165)

Serotonin (5-hydroxytryptamine, 5-HT)

Microdialysis; Selective serotonin (5-hydroxytryptamine, 5-HT) reuptake inhibitor; Venlafaxine; YM992; Antidepressant (Hatanaka, K.-i. (395) 23)

Sertraline

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Serum

5-Hydroxytryptamine (5-HT, serotonin); Desensitization; T₈₄ cell (Burleigh, D. (390) 103)

Sesquiterpene

Herbal drug; Ca²⁺ channel blocker; Smooth muscle (Irie, K. (403) 235)

Sex difference

Pain; Antinociception; Gonadectomy, adult; β -Endorphin (Krzanowska, E.K. (392) 157)

Melatonin; Forced-swim test; Antidepressant; Depression (Brotto, L.A. (402) 87)

Sex differences

Opioid analgesia; U69,593; Hotplate; Lick latency; (Rat) (Van Haaren, F. (408) 153)

Sexual behavior, female

Low dose; Prolactin; Grooming, Novelty-induced; Sexual behavior, Male (Drago, F. (405) 131)

Sexual behavior, male

Low dose; Prolactin; Grooming, Novelty-induced; Sexual behavior, Female (Drago, F. (405) 131)

Sexual behaviour

Endogenous opioid; Addiction; Reward; Brain stimulation reward; Self-administration; Social behaviour (Van Ree, J.M. (405) 89)

S(+)-flurbiprofen

c-Fos; Racemic-flurbiprofen; R(–)-flurbiprofen; Noxious heat; Spinal dorsal horn (Buritova, J. (406) 59)

[³⁵S]GTP γ S

Opioid receptor; Ligand selectivity; Mutagenesis (Bonner, G. (403) 37)

[³⁵S]GTP γ S autoradiography

G-protein; 5-HT_{1A} receptor; GABA_B receptor; Anxiolytic; Antidepressant (Sim-Selley, L.J. (389) 147)

σ Receptor; (+)Pentazocine; Haloperidol; Cerebellum; GTPase (Hong, W. (408) 117)

[³⁵S]GTP γ S binding

Brain, human; α_2 -Adrenoceptor; 5-HT_{1A} receptor; μ -Opioid receptor; G-protein (González-Maeso, J. (390) 25)

μ -Opioid receptor; δ -Opioid receptor; G-protein; Collision-coupling model; Compartmentalization (Remmers, A.E. (396) 67)

5-HT_{1A} receptor; Inverse agonist; WAY 100635 (Cosi, C. (401) 9)

[³⁵S]GTPγS binding, agonist-stimulated

Dopamine D₂-like receptor; Quinpirole; Monoamine oxidase inhibitor; Striatum; (Rat) (Gilliland, S.L. (392) 125)

[³⁵S]GTPγS binding assay

5-HT_{1A} receptor; EEDQ; Hippocampus; Cortex; Receptor reserve; Spare receptor (Alper, R.H. (390) 67)

Shear

Thrombin; Platelet aggregation; Coagulation; Bifunctional inhibitor (Taka, T. (406) 181)

Short-circuit current

δ-Opioid receptor; Endothelin-1; Intestine, large (Gauthier, C. (390) 335)

Short-circuit current, rat

Cannabinoid receptor agonist; WIN 55212-2; Cannabinoid receptor antagonist; SR14716A; Ileum; Electrical field stimulation (Tyler, K. (409) 207)

Shortening velocity

Malignant hyperthermia; Skeletal muscle (Etchri, T.S. (388) 107)

Short-term memory

Acetylcholine; Cannabinoid; Glutamate; Learning (Han, C.J. (403) 87)

SH-SY5Y neuroblastoma cell

Muscarinic receptor; Sphingosine 1-phosphate; Dimethylsphingosine; Ins(1,4,5)P₃; Ca²⁺ mobilisation (Young, K.W. (402) 55)

Shuttle-box

Dopamine; Microdialysis, In vivo; Prefrontal cortex; Working memory; (Gerbil) (Stark, H. (405) 263)

Sialyl Lewis X

Selectin; Acute lung injury; Lipopolysaccharide (Hayashi, H. (392) 109)

Sibutramine

Desmethylsibutramine; Didemethylsibutramine; Food intake; Obesity; Locomotor activity; Antidepressant (Glick, S.D. (397) 93)

Sick sinus syndrome

MF 10058; Muscarinic M₂ receptor antagonist; Cardiospecific muscarinic receptor antagonist; Antibradycardic agent; Bradycardia (Lamperti, G. (406) 93)

Signaling

Pancreastatin receptor; G protein; Phospholipase C; MAPK; HTC cell; Insulin resistance (Sánchez-Margalet, V. (397) 229)

Dopamine D₄ receptor; G protein-coupled receptor; Structure; Pharmacology; Physiology; Genetics (Oak, J.N. (405) 303)

Signal transduction

Adenosine A₁ receptor; ATP; FRTL-5 thyroid cell; Protein kinase C (Vainio, M. (390) 43)

G protein; α₂-Adrenoceptor; G protein coupled receptor; Second messenger; 5-HT receptor; 5-HT_{1A} receptor (Happe, H.K. (399) 17)

MAP (mitogen-activated protein) kinase cascade; Regulation; Protein kinase, cAMP-dependent (Mizuno, K. (404) 63)

Sildenafil

Morphine; cGMP; N^G-L-nitro-arginine methyl ester (L-NAME); ODQ (1*H*-[1,2,4]-oxadiazolo[4,3-*a*]quinoxalin-1-one); Naloxone (Mixcoatl-Zecuatl, T. (400) 81)

Anococcygeus, mouse; Forskolin; Nitroergic; Nitric oxide (NO); Papaverine; Sodium nitroprusside (Frith, D. (400) 305)

Single nephron filtration rate

Cyclosporine; Tacrolimus; Glomerulo-tubular balance; Tubulo-glomerular feed-back; Tubular reabsorption (Romano, G. (399) 215)

Single nucleotide polymorphism

Schizophrenia; Pharmacogenetics; Pharmacogenomics; Genome-wide scanning; DNA microarray (Kawanishi, Y. (410) 227)

Opioid system, endogenous; Gene polymorphism; Addiction; Pharmacogenetics; Physiogenetics (LaForge, K.S. (410) 249)

SIN-1 (3-Morpholinodnnonimine)

Endothelium-derived hyperpolarizing factor (EDHF); K⁺ channel, Ca²⁺-activated; K⁺ channel, ATP-sensitive; Membrane potential (Quignard, J.-F. (399) 9)

Umbilical artery, human; 5-HT (5-hydroxytryptamine, serotonin); Nicotinic; ATP-sensitive, K⁺ channels; Guanylate cyclase; Glibenclamide; ODQ ([1-*H*-(1,2,4)-Oxadiazole (4,3-*a*) quinoxalin-1-one]); Temperature (Tiritilli, A. (406) 79)

Sinoatrial node

K⁺ current, Delayed rectifier; Atrioventricular node; Antiarrhythmic agent, Class III (Sato, N. (404) 281)

Sinus node cell

Mibefradil; Ca²⁺ current (Protas, L. (401) 27)

Site-directed mutagenesis

Dopamine transporter; Cocaine; Cocaine analog; Phosphorylation; Chimera (Chen, N. (405) 329)

SK-896

Gastrointestinal transit; Gastrointestinal motility; Interdigestive migrating contraction; Post-operative ileus; Prostaglandin F_{2α}; (Dog) (Tsukamoto, K. (401) 97)

Skeletal muscle

Malignant hyperthermia; Shortening velocity (Etchri, T.S. (388) 107)

Ca²⁺ channel; Anandamide (Oz, M. (404) 13)

SKF 82958

Dopamine; Dopamine D₁ receptor agonist; Drug discrimination; SCH-39166; Cocaine; (Rat) (Haile, C.N. (388) 125)

Parkinson's disease; 6-Hydroxydopamine-lesioned rat; 5-HT_{2C} receptor (Fox, S.H. (398) 59)

SKF 99101H

5-HT_{1B/D} receptor; Locomotor activity; GR127935; WAY100635; (Guinea pig) (O'Neill, M.F. (399) 49)

Skin

Nicotine; Nicotinic receptor, Non-neuronal; Lung; Blood vessel (Conti-Fine, B.M. (393) 279)

Substance P; TNF-α (tumor necrosis factor-α); Histamine; Dexamethasone; MAP (mitogen-activated protein) kinase (Okabe, T. (398) 309)

Skinned fiber

Ryanodine receptor; Dichlorobenzamil; Phenamil; Caffeine (Ponte, C.G. (391) 11)

SL 65.0472

Vasoconstriction; 5-HT_{1B} receptor; 5-HT_{2A} receptor (Galzin, A.-M. (404) 361)

Sleep deprivation

Glutathione; Antioxidant; Melatonin; Hypothalamus (D'Almeida, V. (390) 299)

Small cell lung carcinoma

α_7 Nicotinic receptor; Nicotine; Nicotine-derived nitrosamine; Pulmonary neuroendocrine cell; Mitogenic signal transduction (Schuller, H.M. (393) 265)

Small intestine

Capsaicin; Myenteric neuron; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); VIP (Vasoactive intestinal polypeptide); PACAP (Pituitary adenylate cyclase activating peptide); NO (Nitric oxide) (Barthó, L. (392) 183)

Enteric nervous system; Submucous plexus; Synaptic transmission, inhibitory; Norepinephrine; Somatostatin (Liu, S. (397) 49)

Smoking

Nicotinic receptor; Schizophrenia; Nicotine; Gene duplication; Neutrophil (Leonard, S. (393) 237)

Genetic polymorphism; Neurotransmitter; Association; Linkage (Arinami, T. (410) 215)

Smooth muscle

Monosodium glutamate; Adenosine-5'-triphosphate; Acetylcholine; Bradykinin; Angiotensin II (Sukhanov, S.N. (386) 247)

Airway; Bronchodilation; Rho-associated coiled coil-forming protein kinase; Rho (Nakahara, T. (389) 103)

UTP contraction; Aorta, rat; Vascular; Protein kinase C; Ca²⁺ (López, C. (391) 299)

Nitric oxide (NO); β_2 -Adrenoceptor agonist; cGMP; cAMP; Iberiotoxin (Vaali, K. (399) 75)

Urinary bladder; Urethra; Nitric oxide (NO); cGMP (Fujiwara, M. (401) 241)

Antiarrhythmic drug; Inward rectifier K⁺ channel; Maxi-K⁺ channel; (Bovine) (Nakahara, T. (402) 143)

Herbal drug; Sesquiterpene; Ca²⁺ channel blocker (Irie, K. (403) 235)

Smooth muscle, airway

Acetylcholine; Airway epithelium; Nitric oxide (NO); Indomethacin; Airway segment (McParland, B.E. (402) 151)

Smooth muscle, aortic, rat

Sphingomyelinase; Ca²⁺ concentration; Intracellular, free (Zheng, T. (391) 127)

Smooth muscle cell

[Arg⁸]vasopressin; Prostanoid; Cell proliferation (Nagano, K. (389) 25)

Ibuprofen; Cyclooxygenase; Proliferation (Weber, A.-A. (389) 67)

Smooth muscle cell, vascular

Endothelial cell; Integrin; Vitronectin; Glycoprotein IIb/IIIa-inhibitor; (Human) (Kintscher, U. (390) 75)

Methylene methylimino linkage; Antisense; Platelet-derived growth factor A-chain; Spontaneously hypertensive rat (SHR) (Kishioka, H. (392) 129)

Apoptosis; p53; Gadd45; Troglitazone; Pioglitazone (Okura, T. (407) 227)

Smooth muscle relaxation

K⁺ channel opener; Detrusor smooth muscle; K⁺ channels, ATP-sensitive; Sulfonylurea receptor (Buckner, S.A. (400) 287)

Smooth muscle, tracheal

Cromakalim; K⁺ channel, ATP-sensitive; Tyrosine kinase inhibitor (Matsushita, Y. (389) 51)

PACAP (pituitary adenylate cyclase activating peptide); VIP (vasoactive intestinal peptide); Nitric oxide (NO); Nonadrenergic noncholinergic (NANC) relaxation, inhibitory; (Cat) (Yoshida, M. (395) 77)

Smooth muscle, vascular

Diabetes; Hypertrophy, cell; Oxyhaemoglobin, glycosylated; Oxidative stress (Peiró, C. (386) 317)

Adenosine; K⁺ channel, Ca²⁺-dependent (Li, G. (394) 35)

β -Adrenoceptor; β -Adrenoceptor, atypical; Endothelium; Nitric oxide (NO); Guanylyl cyclase (Brawley, L. (398) 285)

Cl⁻ channel; Vasoconstriction; Stilbene derivative (Lamb, F.S. (401) 403)

Melittin; Phospholipase A₂; Gap junction; Connexin; Endothelium-derived hyperpolarizing factor (EDHF); Endothelium (Hutcheson, I.R. (406) 239)

Endothelin; Nitric oxide (NO); Noradrenaline (Lui, A.H. (410) 25)

SNC-80

δ -Opioid receptor agonist; Tonazocine; Rotation; Parkinson's disease (Hudzik, T.J. (396) 101)

S-nitrosocaptopril

Angiogenesis; Captopril; Nitric oxide (NO); Capillary endothelium; Chorioallantoic membrane; Chick embryo; Hemoglobin (Jia, L. (391) 137)

S-Nitroso-cysteine

Arachidonic acid; Cytosolic phospholipase A₂; cGMP; PC12 cell (Thang, S.H. (395) 183)

L-S-Nitrosocysteine

Nitric oxide (NO); Redox; Vasodilation; (Rat) (Hoque, A. (408) 195)

S-Nitrosoglutathione

Neocuproine; Bathocuproine; Corpus cavernosum; Non-adrenergic noncholinergic (NANC) nerve; Nitrenergic relaxation (Göçmen, C. (406) 293)

S-Nitrosothiol

Nitric oxide (NO); Organic nitrate; Tolerance; Blood vessel (Miller, M.R. (403) 111)

Nitric oxide (NO); Organic nitrate; Tolerance; Blood vessel (Miller, M.R. (408) 335)

S-Nitrosothiol

N-Methyl-D-aspartate receptor; Nitric oxide (Travis, M.D. (407) 309)

Nitric oxide (NO); EDRF (endothelium-derived relaxing factor); Ca^{2+} -channel, voltage-sensitive; Vasodilation (Travis, M.D. (408) 289)

Social

Corticosterone; ACTH (adrenocorticotropin); CRH (corticotropin-releasing hormone); Coping; Maternal behavior (Levine, S. (405) 149)

Social behaviour

Endogenous opoid; Addiction; Reward; Brain stimulation reward; Self-administration; Sexual behaviour (Van Ree, J.M. (405) 89)

Social interaction

Anxiety; Blood pressure; Glutamate; Heart rate; Kindling; Long-term potentiation; Panic; Sodium lactate (Sajdyk, T.J. (394) 265)

MDMA (($\pm$)-3,4-Methylenedioxymethamphetamine); Ecstasy; Anxiety; Odor, cat; Ultrasonic vocalization (Morley, K.C. (408) 41)

Sodium lactate

Anxiety; Blood pressure; Glutamate; Heart rate; Kindling; Long-term potentiation; Panic; Social interaction (Sajdyk, T.J. (394) 265)

Sodium nitroprusside

cGMP; K^+ channel; Antinociception (Soares, A.C. (400) 67)

Anococcygeus, mouse; Forskolin; Nitroergic; Nitric oxide (NO); Papaverine; Sildenafil (Frith, D. (400) 305)

Sodium selenate

Streptozotocin-induced diabetic mouse; Corpus cavernosum; Nitric oxide (NO); Antioxidant; Vitamin E; Oxidative stress (Göçmen, C. (398) 93)

Sodium tungstate

Insulin; Glucagon; Pancreas, rat (Rodríguez-Gallardo, J. (402) 199)

Soleus muscle, isolated

β_3 -Adrenoceptor agonists; Thermogenesis; Pyruvate-oxidation; Glucose metabolism (Board, M. (406) 33)

Somatic pain

Histamine H_1 receptor; Pain perception; Histamine; Visceral pain; Gene targeting (Mobarakeh, J.I. (391) 81)

Somatodendritic

Nicotinic receptor; Epibatidine; Substantia nigra; Ventral tegmental area; Dendrosome (Reuben, M. (393) 39)

Somatostatin

Diabetic rat; Neurogenic inflammation; Inflammatory preconditioning (Németh, J. (386) 83)

TGF- α (transforming growth factor- α); TGF- β 1 (transforming growth factor- β 1); 2,4-Dideoxyadenosine; H-89; Hepatocyte proliferation (Kimura, M. (386) 271)

Aorta; Mesenteric artery; Ca^{2+} (Ruiz, E. (388) 255)

Subiculum; Somatostatin sst2 receptor; Dopamine; Microdialysis (Mitchell, S.N. (395) 43)

Enteric nervous system; Submucous plexus; Small intestine; Synaptic transmission, inhibitory; Norepinephrine (Liu, S. (397) 49)

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ranitidine; Ulcer healing; Gastric blood flow; Interleukin- β ; Gastrin (Brzozowski, T. (398) 147)

Vagal afferent; Capsaicin; Mustard oil; Antidromic stimulation; Anti-inflammatory effect (Thán, M. (399) 251)

Somatostatin sst2 receptor

Somatostatin; Subiculum; Dopamine; Microdialysis (Mitchell, S.N. (395) 43)

Sox protein

Acetylcholine receptor; Sp1; Transcriptional regulation; hnRNP K (Melnikova, I.N. (393) 75)

Soyasapogenol A

Alanine aminotransferase; Concanavalin A; Apoptosis; Interferon- γ ; Tumor necrosis factor- α (TNF- α) (Kuzuhara, H. (391) 175)

Sp1

Acetylcholine receptor; Sox protein; Transcriptional regulation; hnRNP K (Melnikova, I.N. (393) 75)

Spare receptor

5-HT $_{1A}$ receptor; EEDQ; [35 S]GTP γ S binding assay; Hippocampus; Cortex; Receptor reserve (Alper, R.H. (390) 67)

Sparfloxacin

Fluoroquinolones; Moxifloxacin; Grepafloxacin; Ciprofloxacin; Purkinje fibre; Cardiac action potential; (Canine) (Patmore, L. (406) 449)

Spatial learning

γ -Hydroxybutyrate; Cerebral ischemia; Hippocampus; Immunohistochemistry; Sensory–motor test (Vergoni, A.V. (397) 75)

Dopamine D_1 receptor; Dopamine D_3 receptor; Knockout mice; Locomotor activity; Exploratory behaviour; Elevated plus maze; Rotarod (Karwinska, J.M. (399) 171)

Nociceptin; Orphanin FQ; ORL1 receptor; Morphine; Conditioned place preference; Locomotor sensitization (Ciccocioppo, R. (404) 153)

Species difference

σ Receptor; Haloperidol; σ_1 Receptor mRNA; [^3H]DTG ([^3H]1,3-di(2-tolyl) guanidine); [^3H](+)-Pentazocine (Inoue, A. (401) 307)

Species selectivity

Molecule antagonist; CCR1 (Liang, M. (389) 41)

Species-specificity

SCH23390; Eticlopride; Monoamine (Sandoval, V. (409) 265)

Spectral analysis

Valsartan; Catecholamine; Isoprenaline; Arterial pressure (Blanc, J. (394) 311)

SPECT (Single photon emission computed tomography)

Dopamine; Dopamine D_2 receptor, extrastriatal; [^{125}I]Epidepride; α -Methyl-*para*-tyrosine; Schizophrenia; Binding, in vivo (Fujita, M. (387) 179)

Spermine

Acamprosate; Ethanol; NMDA receptor; Primary cultured neuron; Patch-clamp, whole-cell (Popp, R.L. (394) 221)

Sphingomyelinase

Smooth muscle, Aortic, rat; Ca^{2+} concentration; Intracellular, free (Zheng, T. (391) 127)

Sphingosine 1-phosphate

Muscarinic receptor; Dimethylsphingosine; Ins(1,4,5)P₃; Ca²⁺ mobilisation; SH-SY5Y neuroblastoma cell (Young, K.W. (402) 55)

Spike frequency habituation

Retigabine; Anticonvulsant; Entorhinal cortex; EPSP (excitatory postsynaptic potential); IPSP (inhibitory postsynaptic potential); K⁺ channel opener (Hetka, R. (386) 165)

Spike-wave discharge

Generalized absence epilepsy; Ca²⁺ channel; WAG/Rij rat; Nimodipine; BAY K8644; Ethosuximide; Genetic model (Van Luijtelaar, G. (406) 381)

Spinal cord

Protein kinase, cGMP-dependent; *N*-methyl-D-aspartate (NMDA); Nitric oxide (NO); Nociception; Hyperalgesia; Pain (Tao, Y.-X. (392) 141)

Analgesia; NMDA receptor; AMPA receptor; Morphine; (Rat) (Nishiyama, T. (395) 203)

FR140423; Antinociception; Noradrenergic system; α₂-Adrenoceptor; (Mouse) (Ochi, T. (400) 199)

Nerve ligation; Chronic pain; Protein kinase C; TrkB receptor; (Mouse) (Narita, M. (401) 187)

TAK-637; Tachykinin NK₁ receptor antagonist, non-peptide; Micturition reflex; Electrical stimulation (Kamo, I. (401) 235)

Hyperalgesia; Nerve ligation; Inflammation; Protein kinase C; (Mouse) (Ohsawa, M. (403) 81)

Neuropeptide FF; Morphine; Adenosine; Antinociception (Gouardères, C. (406) 391)

Analgesia; Antinociception; Pain; Neuropeptide FF; Supraspinal (Altier, N. (407) 245)

5-HT (5-hydroxytryptamine, serotonin); Chronic pain; Paw pressure test; (Rat) (Bardin, L. (409) 37)

FR140423; Antinociception; Serotonergic system; 5-HT_{2A} receptor; 5-HT₃ receptor; (Mice) (Ochi, T. (409) 167)

Spinal cord transection

Quinpirole; Blood pressure; Intrathecal domperidone; Dopamine D₂ receptor, spinal; Conscious, rat (Lahlou, S. (408) 51)

Spinal dorsal horn

c-Fos; Racemic-flurbiprofen; *S*(+)-flurbiprofen; *R*(-)-flurbiprofen; Noxious heat (Buritova, J. (406) 59)

Spino-bulbo-spinal

C-fibre; Flexor reflex; Rostral ventromedial medulla; Wind-up; Inhibitory feedback mechanism; Morphine (Gozariu, M. (394) 75)

Splanchnic nerve stimulation

Endothelin ET_A receptor; Endothelin ET_B receptor; FR139317; BQ-788 (Hosokawa, A. (397) 55)

Spontaneous alternation

Nocistatin; Naloxone benzoylhydrazone; κ-Opioid receptor; Passive avoidance (Hiramatsu, M. (395) 149)

Spontaneous alternation performance

Endomorphin-1; Endomorphin-2; μ-Opioid receptor; (Mouse) (Ukai, M. (395) 211)

Spontaneously hypertensive rat (SHR)

Methylene methylimino linkage; Antisense; Platelet-derived growth factor A-chain; Smooth muscle cell, vascular (Kishioka, H. (392) 129)

MAP (mitogen-activated protein) kinase; Angiotensin; Endothelin; Aorta; DOCA-salt hypertensive rat (Kubo, T. (400) 231)

Spontaneously hypertensive, rat (SHR)

Thiazide; Methyclothiazide; Endothelium; Ca²⁺; Hypertension (Colas, B. (408) 63)

Spreading depression

Clomethiazole; Chlormethiazole; Hippocampus; Hypoxia; Neuroprotection (Stone, T.W. (399) 29)

SP1 (stimulatory protein-1) gene transcription factor

NF-κB (nuclear factor-κB) gene transcription factor; Brain; Ethanol tolerance; Ethanol dependence (Mittal, N. (386) 113)

SR 141716

Δ⁹-Tetrahydrocannabinol; SR 144528; Natural killer cell cytolytic activity; Interferon γ (Massi, P. (387) 343)

Δ⁹-Tetrahydrocannabinol; (*R*)-Methanandamide; Anandamide; Amphetamine; Operant behavior; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

SR 144528

Δ⁹-Tetrahydrocannabinol; SR 141716; Natural killer cell cytolytic activity; Interferon γ (Massi, P. (387) 343)

Cannabinoid CB₁ receptor; Δ⁹-Tetrahydrocannabinol; CP 55,940; Anandamide; SR 141716A; Sympathetic neurotransmission (Lay, L. (391) 151)

Cannabinoid receptor; WIN 55212-2; Mutagenesis; Ligand docking; Molecular model (Gouldson, P. (401) 17)

CCK₁ receptor; Binding site; Modelling; SR 27897 (Gouldson, P. (400) 185)

Sr²⁺

Muscarinic receptor; Gallbladder; Receptor heterogeneity; Radioligand binding; Kinetics; Ca²⁺, Intracellular; Ca²⁺, Extracellular; (Guinea pig) (Akici, A. (388) 115)

CCK₁ receptor; Binding site; Modelling; SR 146131 (Gouldson, P. (400) 185)

SR 27897

Cholecystokinin CCK₁ receptor; Mutagenesis; Charged residue; SR 146131 (Gouldson, P. (389) 115)

SR 48692

Neurotensin; Neurotensin receptor; Cl⁻ current; Dorsal root ganglion (Kawarada, S. (404) 69)

SR 48968

Trachea; Acetylcholine release; Tachykinin NK₂ receptor; [βAla⁸]Neurokinin A-(4–10) (D'Agostino, G. (396) 29)

SR121463

Vasopressin V₂ receptor antagonist; Aquaretic effect (Lacour, C. (394) 131)

SR146131

Cholecystokinin; $[Ca^{2+}]_i$; Phosphoinositide turnover; Binding; (Human) (Schaeffer, P. (397) 303)

SR 146131

Cholecystokinin CCK₁ receptor; Mutagenesis; Charged residue; SR 27897 (Gouldson, P. (389) 115)

SR14716A

Cannabinoid receptor agonist; WIN 55212-2; Cannabinoid receptor antagonist; Ileum; Electrical field stimulation; Short-circuit current, (Rat) (Tyler, K. (409) 207)

SR141716A

THC (tetrahydrocannabinol); Dependence; Withdrawal; Operant behavior; Behavioral dependence; (Rat) (Beardsley, P.M. (387) 47)

Radial-arm maze; Cannabinoid; Working memory (Lichtman, A.H. (404) 175)

SR 141716A

Cannabinoid CB₁ receptor; Δ^9 -Tetrahydrocannabinol; CP 55,940; Anandamide; SR 144528; Sympathetic neurotransmission (Lay, L. (391) 151)

Cannabinoid; Δ^9 -THC (Δ^9 -tetrahydrocannabinol); Antinociception; Marijuana, medical; Aerosol; Nebulizer (Lichtman, A.H. (399) 141)

Acetylcholine; Hippocampus; HU 210; Microdialysis; Cortex, prefrontal; WIN 55, 212-2 (Acquas, E. (401) 179)

SR 27897B

L-365,260; Cholecystokinin; Dopamine; CCK_A receptor; CCK_B receptor (Tieppo, C.A. (387) 189)

 σ site

NMDA receptor; $[^3H]$ Ifenprodil; $[^3H]$ MK-801; Hippocampal brain membrane, porcine (Höfner, G. (394) 211)

Staphylococcal enterotoxin B

Kinin; Mast cell; Neurogenic inflammation; Tachykinin NK₁ receptor; Vanilloid receptor (Linardi, A. (399) 235)

Startle

Scopolamine; Muscarinic acetylcholine receptor; Prepulse inhibition; Apomorphine; Phencyclidine; Dopamine receptor; Glutamate receptor; (Rat) (Jones, C.K. (391) 105)

 $[^{35}S]$ TBPS binding

GABA_A receptor subtype; Brain regional heterogeneity; Agonist coupling; Taurine; β -Alanine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Stellate cell

Cirrhosis; Endothelin; Liver; Fibrosis, rat (Gandhi, C.R. (406) 311)

Stem cell

Differentiation; Hematopoietic; Central nervous system (Mezey, É. (405) 297)

Stereology

N^ω-nitro-L-arginine methyl ester; Heart lesion; Ventricular hypertrophy (De Oliveira, C.F. (391) 121)

Cerebral ischemia; 5-HT receptor; 8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin); (Rat) (Torup, L. (395) 137)

Stereotypy

Dihydroetorphine; Morphine; Physical dependence; Continuous infusion; (Rat) (Aceto, M.D. (387) 31)

Ribozyme; Dopamine D₂ receptor (Salmi, P. (388) R1)

Ibogaïne; Cocaine; Sensitization; Dopamine; Drug addiction (Szumlinski, K.K. (398) 259)

Glutamate receptor, metabotropic; Amphetamine; LY379268; Motor activity (Cartmell, J. (400) 221)

Steroid

Protein phosphatase; Dopamine D₂ receptor agonist; Dopamine D₂ receptor antagonist; Uptake (Thompson, T.L. (401) 357)

Steroid-like anti-inflammatory action

Inflammation; Cyclic peptide; *Streptomyces* product (Kuriyama, K. (390) 223)

Steroid, synthetic

Dienogest; Angiogenesis inhibition; Angiostatic therapy; Angiogenic disease (Nakamura, M. (386) 33)

Stilbene derivative

Cl[−] channel; Vasoconstriction; Smooth muscle, vascular (Lamb, F.S. (401) 403)

Stimulus pattern

Ca²⁺ channel blocker; Thapsigargin; Acetylcholine release; Neuromuscular junction (Correia-de-Sá, P. (406) 355)

Stomach

Acetylcholine release; Histamine H₃ receptor; Pertussis toxin (Yokotani, K. (392) 23)

α -Fluoromethylhistidine; Gastrin; Histamine; Histidine decarboxylase; Microdialysis in vivo; ECL cell; Secretory vesicle (Nörlén, P. (400) 1)

Stomach, rat

Coeliac ganglion; Nicotine; Noradrenaline release; Nicotinic receptor (Yokotani, K. (402) 223)

Strain difference

NANC (nonadrenergic, noncholinergic) relaxation; Colon, distal; Nitric oxide (NO); VIP (vasoactive intestinal peptide) (Okishio, Y. (388) 97)

Straub tail

Antinociception; Locomotor activity; Morphine; SC17599; (Mouse) (Houshyar, H. (395) 121)

***Streptomyces* product**

Inflammation; Steroid-like anti-inflammatory action; Cyclic peptide (Kuriyama, K. (390) 223)

Streptozotocin

Allodynia; Endothelin; Diabetic neuropathy (Jarvis, M.F. (388) 29)

T-1095; Phlorizin; Na⁺-glucose cotransporter; Glucose clamp; Glucose tolerance test; Glucose transporter; Insulin sensitivity; Insulin secretion (Oku, A. (391) 183)

Aldose reductase; Autonomic neuropathy; Diabetes; Non-adrenergic non-cholinergic; Gastric fundus, rat (Jenkinson, K.M. (401) 251)

Diabetes; Ouabain; Na⁺,K⁺-ATPase; Phenylephrine; Vascular reactivity;

Nitric oxide; (Rat) (Davel, A.P.C. (406) 419)

Streptozotocin-diabetes

Aorta; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Streptozotocin-diabetic, rat

Cilostazol; Antiplatelet vasodilating agent; Phosphodiesterase inhibitor (Yamamoto, Y. (409) 1)

Streptozotocin-induced diabetic mouse

Corpus cavernosum; Nitric oxide (NO); Antioxidant; Vitamin E; Sodium selenate; Oxidative stress (Göçmen, C. (398) 93)

Stress

Cocaine; Corticosterone; Neuroendocrine; Hypothalamo pituitary–adrenal axis; Self-administration (Galici, R. (387) 59)

Nicotine; Dopamine; Striatum; Hippocampus; (Rat) (Pawlak, R. (387) 171)

Locus coeruleus; Noradrenaline; Cortex, prefrontal; NMDA receptor; GABA receptor; CRF receptor; Microdialysis (Kawahara, H. (387) 279)

Neuropeptide-Y; Depression (Stogner, K.A. (387) R9)

Behaviour; Autonomic nervous system (Nijsen, M.J.M.A. (389) 89)

Anxiety; 5-HT_{1A} receptor; Tachycardia; Hyperthermia; Radiotelemetry (Bouwknicht, J.A. (400) 59)

Glucocorticoid; Cytokine; Ageing; Alzheimer's disease (Angelucci, L. (405) 139)

Conditioned response; Immunity; Psychoneuroimmunology (Ader, R. (405) 167)

Corticosteroid; Hypothalamus–pituitary–adrenal activity (De Kloet, E.R. (405) 187)

CRF (corticotropin-releasing factor); Urocortin; CRF receptor; Antisense; Behaviour; (Antagonist) (Smagin, G.N. (405) 199)

Mineralocorticoid receptor; Glucocorticoid receptor; Hypothalamic–pituitary–adrenocortical axis; Antidepressants; Major depression (Reul, J.M.H.M. (405) 235)

Schizophrenia; Cognition; Coping; Hypothalamic–pituitary–adrenal system; Immune system (Gispén-de Wied, C.C. (405) 375)

Anxiety; Noradrenaline; Hypothalamus; Amygdala; Locus coeruleus; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Stressful stimuli

Neuropeptide; *c-fos*; Paraventricular nucleus; Supraoptic nucleus; Amygdaloid nucleus, central (Palkovits, M. (405) 161)

Stress of social defeat

Ethanol; Dopamine release; Voltammetry in vivo; Nucleus accumbens; (Mouse) (Yavich, L. (401) 365)

Stretch receptor

Calmodulin antagonist; Mechanosensitive channel; Voltage clamp (Lin, J.-H. (397) 11)

Striatum

Apomorphine; Dopamine; *N*-propyl analog; Microdialysis; Bioavailability (Rodenhuis, N. (387) 39)

Stress; Nicotine; Dopamine; Hippocampus; (Rat) (Pawlak, R. (387) 171)

[³⁵S]GTPγS binding, agonist-stimulated; Dopamine D₂-like receptor; Quinpirole; Monoamine oxidase inhibitor; (Rat) (Gilliland, S.L. (392) 125)

Dopamine receptor agonist; Microdialysis; Bioavailability; Bioisosteric replacement; Thiophene analog (Rodenhuis, N. (394) 255)

Adenosine; Opioid (Halimi, G. (398) 217)

Dopamine; Acetylcholine; GABA (γ-aminobutyric acid); Substantia nigra; Antimuscarinic drug; L-Dopa (Izurieta-Sánchez, P. (399) 151)

c-fos; *zif268*; 6-Hydroxydopamine; *N*-methyl-D-aspartate (NMDA); L-3,4-dihydroxyphenylalanine (L-DOPA) (Adams, A.C. (404) 303)

Striatum, rat

Domoic acid; DNQX; MK-801; Dopamine; Microdialysis (Quintela, B.A. (401) 173)

Stroke

LY341122; Cerebral ischemia, focal; Neuroprotection; Oxygen radical; (Rat) (Huh, P.W. (389) 79)

Chloromethyl ketone; Focal ischemia; Apoptosis; Serine protease inhibitor; Nitric oxide (NO) (LeBlanc, M.H. (390) 249)

NAALADase inhibition (*N*-acetylated-α-linked-acidic dipeptidase); Neuroprotection; (Rat) (Tortella, F.C. (402) 31)

Stroke-prone spontaneously hypertensive rats (SHRSP)

Pulmonary artery; α-Adrenoceptors; Nitric oxide (NO); Endothelium (Matsuda, K. (392) 61)

Stromal cell

Nitric oxide (NO); Osteoblast-like cell; Mineralization; Differentiation (Koyama, A. (391) 225)

Structural analogue

4-Hydroxyisoleucine; Insulin release; Fenugreek seed; Pancreas; (Rat) (Broca, C. (390) 339)

Structure

Dopamine D₄ receptor; G protein-coupled receptor; Pharmacology; Signaling; Physiology; Genetics (Oak, J.N. (405) 303)

Structure–activity relationship

Antinociception; Cannabinoid; Intrahecal; Intraventricular; Tetrahydrocannabinol (Wiley, J.L. (397) 319)

Stunning

Ca²⁺-responsiveness; Ca²⁺-sensitizer; Myocardial contractility; End-systolic elastance (De Zeeuw, S. (403) 99)

Subarachnoid hemorrhage

Erythropoietin; Brain (Buemi, M. (392) 31)

Protein kinase C isoform; Cerebral vasospasm (Nishizawa, S. (398) 113)

Brain ischemia; Erythropoietin (Alafaci, C. (406) 219)

Subiculum

Somatostatin; Somatostatin sst2 receptor; Dopamine; Microdialysis (Mitchell, S.N. (395) 43)

Dopamine; Nucleus accumbens; Fimbria-fornix; Microdialysis; (Rat) (Mitchell, S.N. (407) 131)

Submucosal neuron

Enteric neuron; ATP receptor; Ca^{2+} ; Receptor; P2X receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

Submucous plexus

Enteric nervous system; Small intestine; Synaptic transmission, inhibitory; Norepinephrine; Somatostatin (Liu, S. (397) 49)

Substance P

Neurotensin; Dopamine; Ibogaine; Cocaine; Methamphetamine; Drug abuse (Alburges, M.E. (390) 119)

TNF- α (tumor necrosis factor- α); Histamine; Dexamethasone; MAP (mitogen-activated protein) kinase; Skin (Okabe, T. (398) 309)

Scratching behavior; Immunoglobulin E; Anaphylaxis, passive cutaneous; Histamine; Histamine H_1 receptor; Oxatamide; Epinastine; Cetirizine; Terfenadine; (Mouse) (Inagaki, N. (400) 73)

Vasodilatation; Plasma extravasation; Knee joint, Rabbit (Lam, F.F.Y. (400) 327)

Tachykinin NK_1 receptor; Inflammation; Hypertension genetic; GH (genetically hypertensive) rat; Nitric oxide (NO) (Campbell, V.A. (401) 109)

Emedastine difumarate; Itch-associated response; Histamine; Leukotriene B_4 ; 5-HT (5-hydroxytryptamine, Serotonin) (Andoh, T. (406) 149)

Capsaicin; Nociception; Pain; Ricinoleic acid; Tachykinin; (Guinea pig); (Mouse) (Vieira, C. (407) 109)

Cough; C-fibre; Tachykinin; Citric acid (Moreaux, B. (408) 305)

Substantia nigra

6-Hydroxydopamine; Ligand binding autoradiography; Neostriatum (Vasiliadis, H.-M. (386) 155)

Nicotinic receptor; Epibatidine; Somatodendritic; Ventral tegmental area; Dendrosome (Reuben, M. (393) 39)

Dopamine; Acetylcholine; GABA (γ -aminobutyric acid); Striatum; Antimuscarinic drug; L-Dopa (Izurieta-Sánchez, P. (399) 151)

Tyrosine hydroxylase; Haloperidol; Immunohistochemistry; Antioxidant; (Rat) (Besret, L. (408) 35)

Substantia nigra reticulata

Gabapentin; γ -Aminobutyric acid; Microdialysis (Timmerman, W. (398) 53)

Subunit composition

Ivermectin; GABA_A receptors; Patch clamp (Adelsberger, H. (394) 163)

Subunit null mutation

Nicotinic acetylcholine receptor; Pharmacological comparison; Binding; Activation (Whiteaker, P. (393) 123)

Sulfonylurea

Dopamine; Tyrosine hydroxylase; Glipizide; DOPAC (3,4-dihydroxyphenylacetic acid); HVA (homovalinic acid) (Lamensdorf, I. (388) 147)

OAT1 (organic anion transporter 1); Renal tubular secretion; *Xenopus* oocytes; Nateglinide; *p*-Aminohippurate (Uwai, Y. (398) 193)

$\text{I}_{\text{K,ATP}}$; Glibenclamide; HMR1883; Cardiac ischemia; Dispersion; Arrhythmia; Sulfonylurea (Dhein, S. (398) 273)

$\text{I}_{\text{K,ATP}}$; Glibenclamide; HMR1883; Sulfonylurea; Cardiac ischemia; Dispersion; Arrhythmia (Dhein, S. (398) 273)

Sulfonylurea compound

(*R*)-ACX; Insulin releasing effect; Hypoglycemic effect (Seri, K. (389) 253)

Sulfonylurea receptor

K^+ channel opener; Detrusor smooth muscle; Smooth muscle relaxation; K^+ channels, ATP-sensitive (Buckner, S.A. (400) 287)

Sulpiride

D-Fenfluramine; Hypothermia; 5-HT $_{1A}$ receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Yohimbine (Cryan, J.F. (390) 275)

Sumatriptan

Eletriptan; Carotid artery blood flow; Femoral artery blood flow; Neurogenic inflammation; Coronary artery diameter (Gupta, P. (398) 73)

Coronary artery; Eletriptan; GR125743; Middle meningeal artery; Migraine; Saphenous vein; Serotonin; (Human) (Van den Broek, R.W.M. (407) 165)

Superficial buffer barrier hypothesis

Sarcoplasmic reticulum; Ca^{2+} -ATPase, Sarcoplasmic reticulum; Ca^{2+} uptake function; Ca^{2+} influx; Ca^{2+} channel, L-type; Arterial contraction (Nomura, Y. (404) 315)

Sarcoplasmic reticulum; Ca^{2+} -induced Ca^{2+} release channels; Ca^{2+} movement; Ca^{2+} influx; Ca^{2+} channel, L-type (Asano, M. (404) 327)

Superior cervical ganglion

Ca^{2+} channel, N-type; ω -Conotoxin GVIA; ω -Conotoxin MVIIA; ω -Conotoxin MVIIIC; Vas deferens; Intestine; (Human); (Rat); (Guinea-pig) (Sanger, G.J. (388) 89)

Superior cervical ganglion, rat

ATP; Ecto-nucleotidase; Dipyrindamole; Ecto-ATPase; UTP (Connolly, G.P. (397) 271)

Superoxide

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Insulin resistance; Nitric oxide (NO); Isometric tension study (Shinozaki, K. (394) 295)

Superoxide anion

AMP579; Coronary artery endothelium; Neutrophil degranulation; Neutrophil adherence (Nakamura, M. (397) 197)

Guanylyl cyclase, soluble; Aorta; Renin-angiotensin system; Hypertension (Jacke, K. (403) 27)

Superoxide dismutase

Carrageenan; Inflammation; Nitric oxide (NO); Peroxynitrite; Tempol (Cuzzocrea, S. (390) 209)

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Catalase (Karasu, Ç. (392) 163)

Antioxidant; Diabetic retinopathy; Glutathione; Lipid peroxidation (Obrosova, I.G. (398) 139)

Superoxide production

Polymorphonuclear leukocyte; Rho kinase; p160ROCK; Aggregation (Kawaguchi, A. (403) 203)

Cisplatin; Sensory neuropathy; Peroxynitrite (Szilvassy, J. (403) 259)

Supersensitive

5-HT_{1B/D} receptor; Psychiatric disorder; 5-HT (5-hydroxytryptamine, serotonin) release; 5-HT (5-hydroxytryptamine, serotonin) synthesis; Depression; Anxiety; Obsessive compulsive disorder; Desensitisation; Target (Moret, C. (404) 1)

Supraoptic nucleus

Stressful stimuli; Neuropeptide; *c-fos*; Paraventricular nucleus; Amygdaloid nucleus, central (Palkovits, M. (405) 161)

Supraspinal

Analgesia; Antinociception; Pain; Neuropeptide FF; Spinal cord (Altier, N. (407) 245)

Sural nerve

Neuropathy; Colorectal cancer; Dorsal root ganglia; Hippocampal neuron (Adelsberger, H. (406) 25)

Suramin

PACAP (pituitary adenylate cyclase-activating peptide); VIP (vasoactive intestinal peptide); Apamin; PACAP-(6–38); VIP-(10–28); Colon; (Rat) (Plujà, L. (389) 217)

Eriochrome Black T; Endothelial cell; Cyclin; Cell cycle (Langer, I. (399) 85)

Pineal gland; Melatonin; *N'*-acetyl-5-hydroxytryptamine (*N'*-acetyl-5-HT); P2-receptor (Mortani Barbosa Jr., E.J. (401) 59)

Purine; Adenosine; ATP; Nucleotide; Hippocampus; Long-term potentiation (O'Kane, E.M. (409) 159)

Surfactant

Pneumocyte (type II); Phosphatidylcholine secretion; Adrenomedullin; Protein kinase C (Okumura, M. (403) 189)

Surgery

Nitric oxide (NO); Vascular permeability; Vascular endothelium; Neutrophil granulocytes; Platelet-activating factor (PAF); Thromboxanes; Leukotrienes; Vasopressin (Pávó, I. (402) 193)

Survival rate

γ -Butyrobetaine hydroxylase inhibitor; Heart failure; Ventricular remodeling; Cardiac functional adaptability; High-energy phosphate (Hayashi, Y. (395) 217)

Susceptibility

Gene polymorphism; Cardiovascular disease; Angiotensin-converting enzyme; Angiotensinogen; Angiotensin II type 1 receptor (Wang, J.-G. (410) 289)

Sweat gland

P2Y receptor; Anionic secretion; Hyperhidrosis; Ca²⁺, intracellular; Ussing chamber (Bovell, D.L. (403) 45)

Swelling

Hippocampal neuron; Veratridine; Death; Na⁺ channel; Ca²⁺ channel (Okuyama, K. (398) 209)

Sympathetic activation

Collagen; Heart failure; Hypertrophy; Moxonidine; (Rat) (Van Kerckhoven, R. (397) 113)

Sympathetic neurotransmission

Adenosine; ATP; Mesentery, hamster; Prejunctional neuromodulation; Purine receptor (Ralevic, V. (387) 287)

Cannabinoid CB₁ receptor; Δ^9 -Tetrahydrocannabinol; CP 55,940; Anandamide; SR 141716A; SR 144528 (Lay, L. (391) 151)

Sympathetic vasodilation

Choroidal blood flow; Laser-Doppler flowmetry; β -Adrenoceptor activation; β -Adrenoceptor antagonist; L-NAME (*N*^G-nitro-L-arginine methyl ester); Indomethacin; (Rat) (Kawarai, M. (386) 227)

Sympathoadrenomedullary outflow, central

Brain phospholipase A₂; Catecholamines, plasma; Melittin; Mepacrine (Yokotani, K. (398) 341)

Synaptic γ -aminobutyric acid (GABA) transmission

Basolateral amygdala; 5-HT_{1A} receptors; Presynaptic modulation; Dissociated neuron and tandospirone (Kishimoto, K. (407) 257)

Synaptic inhibition

GABA (γ -aminobutyrate); Caged compound; Hippocampus; Granule cell; GABA_A receptor (Molnár, P. (391) 255)

Synaptic plasticity

Long-term potentiation; Primed-burst stimulation; Visual cortex; Ketamine (Salami, M. (390) 287)

Schizophrenia; Bipolar disorder; Depression; Memory; Ventricle enlargement; Neurocognitive impairment (Vawter, M.P. (405) 385)

Synaptic transmission, inhibitory

Enteric nervous system; Submucous plexus; Small intestine; Norepinephrine; Somatostatin (Liu, S. (397) 49)

Synaptic vesicle

Alzheimer's disease; Cholinergic; Exocytosis; Neuromuscular junction; Oocyte; Tacrine; (*Torpedo marmorata*); (*Xenopus laevis*) (Ros, E. (390) 7)

Synaptosome

Nicotinic receptor, presynaptic; Glutamate receptor antagonist; Nicotine; Anatoxin-a; Immunogold electron microscopy (Wonnacott, S. (393) 51)

ω -Agatoxin IVA-sensitive Ca²⁺ channel; α -Eudesmol; Glutamate release; Microdialysis; Focal ischemia (Asakura, K. (394) 57)

σ Receptor; Glutamate release; GABA (γ -aminobutyric acid) release; Cerebellum (Garrone, B. (400) 35)

CART (cocaine- and amphetamine-regulated transcript); TRH (thyrotropin releasing hormone); Dopamine; Norepinephrine; Hypothalamus (Brunetti, L. (409) 103)

Synoviocyte

Rheumatoid arthritis; Cyclooxygenase-1; Cyclooxygenase-2; Meloxicam (Tsubouchi, Y. (395) 255)

Systemic haemodynamics

Ca²⁺ sensitizer; Myocardial oxygen consumption; Diastolic function, regional; Systolic shortening, regional (Soei, L.K. (386) 55)

Systemic toxicity

Convulsion; Central nervous system (Sugimoto, M. (401) 329)

Systolic shortening, regional

Ca²⁺ sensitizer; Myocardial oxygen consumption; Diastolic function, regional; Systemic haemodynamics (Soei, L.K. (386) 55)

T-588

Ca²⁺ reperfusion; NGF (nerve growth factor); PD98059; MAP (mitogen-activated protein) kinase; Astrocyte (Takuma, K. (399) 1)

T-1095

Streptozotocin; Phlorizin; Na⁺-glucose cotransporter; Glucose clamp; Glucose tolerance test; Glucose transporter; Insulin sensitivity; Insulin secretion (Oku, A. (391) 183)

TA-270

Asthmatic response; Bronchoalveolar eosinophilia; Airway hyperresponsiveness (Aoki, Y. (409) 325)

TA-993

Platelet; Glycoprotein IIb/IIIa receptor; ADP; Actin polymerization; Ca²⁺, intracellular (Katoh, M. (399) 91)

Tachycardia

Anxiety; Stress; 5-HT_{1A} receptor; Hyperthermia; Radiotelemetry (Bouwknicht, J.A. (400) 59)

Lipolysis; Rhesus (Forrest, M.J. (407) 175)

Tachykinin

Micturition reflex; Tachykinin NK₁ receptor; Tachykinin NK₂ receptor; Orphanin FQ (Lecci, A. (389) 99)

Capsaicin; Nociception; Pain; Ricinoleic acid; Substance P; (Guinea pig); (Mouse) (Vieira, C. (407) 109)

Cough; Substance P; C-fibre; Citric acid (Moreaux, B. (408) 305)

Tachykinin NK₁ receptor

Micturition reflex; Tachykinin NK₂ receptor; Orphanin FQ; Tachykinin (Lecci, A. (389) 99)

Wood smoke; CP-96,345; Tachykinin NK₂ receptor (Lin, Y.S. (394) 139)

Tachykinin NK₂ receptor

Micturition reflex; Tachykinin NK₁ receptor; Orphanin FQ; Tachykinin (Lecci, A. (389) 99)

Wood smoke; CP-96,345; Tachykinin NK₁ receptor (Lin, Y.S. (394) 139)

Staphylococcal enterotoxin B; Kinin; Mast cell; Neurogenic inflammation; Vanilloid receptor (Linardi, A. (399) 235)

Trachea; Acetylcholine release; [βAla⁸]Neurokinin A-(4–10); SR 48968 (D'Agostino, G. (396) 29)

Substance P; Inflammation; Hypertension genetic; GH (genetically hypertensive) rat; Nitric oxide (NO) (Campbell, V.A. (401) 109)

Tachykinin NK₁ receptor agonist

Phonetrutria nigriventer venom; Sensory nerve; Neurogenic plasma extravasation; Vanilloid receptor; Purinoceptor (Costa, S.K.P. (391) 305)

Tachykinin NK₁ receptor antagonist, non-peptide

TAK-637; Micturition reflex; Urinary tract, lower (Doi, T. (395) 241)

TAK-637; Micturition reflex; Spinal cord; Electrical stimulation (Kamo, I. (401) 235)

Tachykinin receptor

Nepadutant; Tachykinin receptor antagonist; Intestine, human; Urinary bladder, human (Patacchini, R. (398) 389)

Tachykinin receptor antagonist

Nepadutant; Tachykinin receptor; Intestine, human; Urinary bladder, human (Patacchini, R. (398) 389)

Diabetic, rat; Allodynia, tactile; Allodynia, thermal (Coudoré-Civiale, M.-A. (401) 47)

Tacrine

Donepezil hydrochloride; E2020; Cholinesterase inhibitor; Brain; Peripheral tissue; (Rat, young); (Rat, Aged) (Kosasa, T. (386) 7)

Donepezil hydrochloride (E2020); Physostigmine; ENA-713; TAK-147; NIK-247; Cholinesterase inhibitor; Cholinesterase (Kosasa, T. (389) 173)

Alzheimer's disease; Cholinergic; Exocytosis; Neuromuscular junction; Oocyte; Synaptic vesicle; (*Torpedo marmorata*); (*Xenopus laevis*) (Ros, E. (390) 7)

Tacrolimus

Cyclosporine; Glomerulo-tubular balance; Tubulo-glomerular feed-back; Tubular reabsorption; Single nephron filtration rate (Romano, G. (399) 215)

Tail-flick

NMDA receptors; Glutamate; Dizocilpine; Nucleus accumbens (Millan, M.J. (388) 37)

Tail-flick latency

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Withdrawal jump (Raghavendra, V. (409) 279)

Tail-flick test

Dermorphin N-terminal tetrapeptide; Naloxonazine; β-Funaltrexamine; μ₁-Opioid receptor (Sakurada, S. (395) 107)

Tail tremor

Nicotine; 5-HT_{1A} receptor; (Rat) (Suemaru, K. (408) 19)

TAK-147

Donepezil hydrochloride (E2020); Tacrine; Physostigmine; ENA-713; NIK-247; Cholinesterase inhibitor; Cholinesterase (Kosasa, T. (389) 173)

TAK-637

Tachykinin NK₁ receptor antagonist, non-peptide; Micturition reflex; Urinary tract, lower (Doi, T. (395) 241)

Tachykinin NK₁ receptor antagonist, non-peptide; Micturition reflex; Spinal cord; Electrical stimulation (Kamo, I. (401) 235)

Tamoxifen

Cerebrovascular constriction; Oxyhemoglobin; Protein kinase C (Wickman, G. (390) 181)

Tangle

Alzheimer's disease; Amyloid precursor protein; Amyloid-β peptide; Plaque; Tau; Nicotine; Muscarinic receptor; Nicotinic receptor; Cholinesterase inhibitor (Hellström-Lindahl, E. (393) 255)

Target

5-HT_{1B/D} receptor; Psychiatric disorder; 5-HT (5-hydroxytryptamine, serotonin) release; 5-HT (5-hydroxytryptamine, serotonin) synthesis; Depression; Anxiety; Obsessive compulsive disorder; Desensitisation; Supersensitive (Moret, C. (404) 1)

Tau

Alzheimer's disease; Amyloid precursor protein; Amyloid- β peptide; Plaque; Tangle; Nicotine; Muscarinic receptor; Nicotinic receptor; Cholinesterase inhibitor (Hellström-Lindahl, E. (393) 255)

Taurine

Angiotensin II; Cell size; Fetal gene expression; Growth factor gene expression; Protein kinase C (Azuma, M. (403) 181)

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; β -Alanine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Taxol

Polyploidization; Phorbol 12-myristate 13-acetate (PMA); Protein kinase C; Polymerization (Zong, Z.-p. (394) 181)

TC-2559

Nicotinic receptor; Cognition; Central nervous system (Bencherif, M. (409) 45)

T₈₄ cell

5-Hydroxytryptamine (5-HT, serotonin); Desensitization; Serum (Burleigh, D. (390) 103)

TCP binding

RPR 118723; Glycine antagonist; Glutamate; *N*-methyl-D-aspartate (NMDA) receptor-channel complex; Dopamine release (Boireau, A. (401) 131)

TDPA

EAAT; (*RS*)-2-Amino-3-(3-hydroxy-1,2,5-thiadiazol-4-yl)propionic acid; EAAT2 inhibitor, selective (Bräuner-Osborne, H. (406) 41)

TEI-9874

Asthma; Immunoglobulin E (Nonaka, T. (402) 287)

Tele-methylhistamine

Food intake; Histamine; Hypothalamus; Leptin; (Intracereboventricular infusion) (Lecklin, A. (395) 113)

Telomerase

Glioma; Chemosensitivity; Penclomedine; p53 (Vietor, M. (407) 27)

Temperament

Personality; Genes; Neurotransmission; Polymorphism; Abnormal behavior (Ebstein, R.P. (410) 205)

Temperature

Umbilical artery, human; 5-HT (5-hydroxytryptamine, serotonin); Nicotinic; ATP-sensitive, K⁺ channels; SIN-1 (3-Morpholinomethylsulfonamide); Guanylate cyclase; Glibenclamide; ODQ ([1-*H*-(1,2,4) Oxadiazole (4,3-*a*) quinoxalin-1-one]) (Tiritilli, A. (406) 79)

Tempol

Carrageenan; Inflammation; Nitric oxide (NO); Peroxynitrite; Superoxide dismutase (Cuzzocrea, S. (390) 209)

Temporal lobe epilepsy

Antiepileptic drug; Vigabatrin; Epileptic activity; Pharmacoresistant; Brain slice (Muschhoff, U. (401) 167)

Terfenadine

Scratching behavior; Immunoglobulin E; Anaphylaxis, passive cutaneous; Substance P; Histamine H₁ receptor; Oxatomide; Epinastine; Cetirizine; (Mouse) (Inagaki, N. (400) 73)

Testis, rat

[³H]Adenosine; Adenosine uptake; Mitochondrion; Benzodiazepine receptor ligand, mitochondrial (Jiménez, A. (398) 31)

Tetrahydrocannabinol

Dependence; Withdrawal; Operant behavior; Behavioral dependence; SR141716A; (Rat) (Beardsley, P.M. (387) 47)

Antinociception; Cannabinoid; Intrahecal; Intraventricular; Structure-activity relationship (Wiley, J.L. (397) 319)

 Δ^9 -Tetrahydrocannabinol

SR 141716; SR 144528; Natural killer cell cytolytic activity; Interferon γ (Massi, P. (387) 343)

 Δ^9 -Tetrahydrocannabinol

Cannabinoid CB₁ receptor; CP 55,940; Anandamide; SR 141716A; SR 144528; Sympathetic neurotransmission (Lay, L. (391) 151)

Activity; Cannabinoid; Biphasic effect; Movement (Sañudo-Peña, M.C. (391) 269)

(Δ^9 -Tetrahydrocannabinol) Δ^9 -THC

Cannabinoid; SR 141716A; Antinociception; Marijuana, medical; Aerosol; Nebulizer (Lichtman, A.H. (399) 141)

Tetrodotoxin-resistant

Amitriptyline; Antidepressant; Tetrodotoxin-sensitive; Na⁺ channel; Dorsal root ganglion (Song, J.-H. (401) 297)

Tetrodotoxin-sensitive

Amitriptyline; Antidepressant; Tetrodotoxin-resistant; Na⁺ channel; Dorsal root ganglion (Song, J.-H. (401) 297)

TGF- α (transforming growth factor- α)

TGF- β 1 (transforming growth factor- β 1); 2,4-Dideoxyadenosine; Somatostatin; H-89; Hepatocyte proliferation (Kimura, M. (386) 271)

TGF- β 1 (transforming growth factor- β 1)

TGF- α (transforming growth factor- α); 2,4-Dideoxyadenosine; Somatostatin; H-89; Hepatocyte proliferation (Kimura, M. (386) 271)

TGF- β (transforming growth factor β)

CTGF (connective tissue growth factor); Apoptosis; Caspase; Atherosclerosis (Hishikawa, K. (392) 19)

TGF- β 1 (transforming growth factor- β 1) inducer

Wound healing accelerator; Healing-impaired, mouse; Cyclic peptide; SEK-1005 (Abe, Y. (408) 213)

Thalidomide

TNF- α (tumor necrosis factor- α); Hyperalgesia, inflammatory; Pain (Ribeiro, R.A. (391) 97)

Thapsigargin

Antisense oligodeoxynucleotide; Na⁺/Ca²⁺ exchange; Ca²⁺ pump; Ca²⁺ concentration, Intracellular (Nakao, M. (387) 273)

Nitric oxide (NO); Endothelium; K⁺ channel; Relaxation; Aorta; (Rat) (Huang, Y. (392) 51)

Ca^{2+} channel blocker; Stimulus pattern; Acetylcholine release; Neuromuscular junction (Correia-de-Sá, P. (406) 355)

Betulinic acid; Ca^{2+} ; Ca^{2+} store; Fura-2; MDCK cell (Chou, K.-J. (408) 99)

Ca^{2+} -ATPase inhibitor; Ca^{2+} store, EpDRF (epithelium-dependent relaxing factor); Airway epithelial cell; (Guinea pig) (Takahashi, N. (410) 61)

Theophylline

Bronchus, human, isolated; Phorbol 12,13-diacetate; Caffeine (Sarriá, B. (399) 65)

Thermal hyperalgesia

Bradykinin; Protein kinase C; Phorbol-12, 13-dibutyrate; Calphostin C; Diabetes; (Mouse) (Kamei, J. (390) 113)

Amitriptyline; Caffeine; Neuropathic pain (Esser, M.J. (399) 131)

Thermogenesis

β_3 -Adrenoceptor agonists; Pyruvate-oxidation; Glucose metabolism; Soleus muscle, isolated (Board, M. (406) 33)

Thiazide

Methyclothiazide; Endothelium; Ca^{2+} ; Spontaneously hypertensive, rat (SHR); Hypertension (Colas, B. (408) 63)

Thiazolidinedione

Troglitazone; Rosiglitazone; BRL 49653; K_{ATP} current; Glibenclamide; K^+ channel (Mishra, S.K. (386) 121)

Hemodynamics; Heart; Coronary vasorelaxant; Prostaglandin (Uchida, K. (400) 113)

Troglitazone; Fructose 2,6-bisphosphate; Hepatocyte; Insulin (Raman, P. (409) 19)

Thiophene analog

Dopamine receptor agonist; Microdialysis; Bioavailability; Striatum; Bioisosteric replacement (Rodenhuis, N. (394) 255)

Thrombin

Thromboxane; Protein kinase C; Protein kinase inhibitor; Platelet, human (Samokhin, G.P. (386) 297)

Antithrombotic; Coagulation factor Xa; Heparin; (In vivo) (Heran, C. (389) 201)

Thrombosis; Factor Xa; Coagulation inhibitor (Sinha, U. (395) 51)

Coronary artery disease; Coagulation; (Human) (Pothula, A. (402) 1)

Platelet aggregation; Coagulation; Shear; Bifunctional inhibitor (Taka, T. (406) 181)

Thrombin–antithrombin complex

Hemophilia A; Blood coagulation control; Antithrombin consumption; Factor Xa/antithrombin complex; Protein SV-IV (Di Micco, B. (391) 1)

Thrombin receptor

Endothelial cell; Protein phosphatase (Mizuno, O. (389) 13)

Thrombosis

Factor Xa; Thrombin; Coagulation inhibitor (Sinha, U. (395) 51)

Endothelial factor; Hemostasis; Nitric oxide (NO); Platelet (Momi, S. (397) 177)

Thromboxane

Thrombin; Protein kinase C; Protein kinase inhibitor; Platelet, human (Samokhin, G.P. (386) 297)

Blood pressure; Endothelin receptor antagonist; Nicotine; (Rat) (Tanus-Santos, J.E. (396) 33)

Leukotriene; YM158; Asthma (Arakida, Y. (403) 169)

Thromboxane A_2

TP receptor; Forskolin; cAMP; Mammary artery, internal; Saphenous vein (Cracowski, J.-L. (387) 295)

Colon, rat; PAF (platelet-activating factor); Cl^- secretion (Suzuki, T. (400) 297)

Arterial thrombosis; Z-335; Cilostazol (Tanaka, T. (401) 413)

JTE-522; Cyclooxygenase-2; Prostaglandin E_2 ; U-46619; Airway hyperresponsiveness; Ozone; (Guinea pig) (Nakano, H. (403) 267)

Thromboxane B_2

HCL-31D, platelet aggregation; cAMP; Phosphoinositide breakdown (Chou, T.-C. (387) 125)

Thromboxanes

Nitric oxide (NO); Vascular permeability; Vascular endothelium; Neutrophil granulocytes; Platelet-activating factor (PAF); Leukotrienes; Vasoressin; Surgery (Pávó, I. (402) 193)

Th1/Th2

Androgen; Immune function; Prenatal; Estrogen; Autoimmunity (Martin, J.T. (405) 251)

Thymoquinone

Nigella sativa oil; Antinociception; Opioid system; Formalin test (Abdel-Fattah, A.-F.M. (400) 89)

Tianeptine

5-HT (5-hydroxytryptamine, serotonin); Paroxetine; Frontal cortex; Raphe nuclei; Microdialysis, in vivo (Malagüé, I. (403) 55)

Tissue culture

Amyotrophic lateral sclerosis (ALS); Motor neuron; Apoptosis; Cell culture; Neurodegenerative disease (Bär, P.R. (405) 285)

Tissue distribution

α_{1a} -Adrenoceptor; α_{1b} -Adrenoceptor; α_{1d} -Adrenoceptor; Rabbit; Molecular cloning; Pharmacology (Piao, H. (396) 9)

Tissue remodelling

Phosphodiesterase inhibitor; Matrix metalloproteinase; Bronchoalveolar lavage; (Mouse) (Belleguic, C. (404) 369)

T-lymphocyte

[Met⁵]enkephalin; Gender; B-lymphocyte; Proliferation; Opioid receptor (Gabrilovac, J. (392) 101)

TNF- α

Nociception; Interleukin 1 β ; Interleukin 8; Macrophage; Mast cell; (Tumour necrosis factor- α) (Ribeiro, R.A. (387) 111)

TNF-alpha (tumor necrosis factor- α)

Lead; Hepatocyte, rat; Lipopolysaccharide; Kupffer cell; Coculture; Nitric oxide (NO); Nitric oxide (NO) synthase, inducible (Milosevic, N. (401) 317)

TNF- α (tumor necrosis factor- α)

Thalidomide; Hyperalgesia, inflammatory; Pain (Ribeiro, R.A. (391) 97)

Substance P; Histamine; Dexamethasone; MAP (mitogen-activated protein) kinase; Skin (Okabe, T. (398) 309)

Cynaropicrin; Anti-inflammatory effect; Nitric oxide (NO) release; Lymphocyte proliferation; Immunosuppressive effect (Cho, J.Y. (398) 399)

Arthritis; Phosphodiesterase 4; Hyperalgesia; Oedema; Rolipram (Francischi, J.N. (399) 243)

Neutrophil; Caspase; Apoptosis inhibitory protein; Transcription factor; NF- κ B (nuclear factor- κ B) (Niwa, M. (407) 211)

Preconditioning; CGRP (calcitonin gene-related peptide); Glibenclamide; Heart, rat (Peng, J. (407) 303)

TNF- α , tumor necrosis factor- α

Interleukin-10; Lipopolysaccharide (Fukuda, T. (391) 317)

TNF- α (Tumor necrosis factor- α)

Y-39041; Arthritis; Interleukin-10; Lipopolysaccharide (Hisadome, M. (409) 331)

TNF- α (tumor necrosis factor- α)

Lipopolysaccharide; Melatonin; Dexamethasone; Naltrexone; Nitric oxide (NO); Hyperalgesia, central/peripheral (Raghavendra, V. (395) 15)

TNF- α (tumour necrosis factor- α)

Cytokine; Endothelin ET_B receptor; Interleukin-1 β ; Interleukin-6; Interferon- γ ; Sarafotoxin S6c; Vasoactivity (White, L.R. (406) 117)

TNF (tumor necrosis factor) receptor

Endothelin; Endothelial cell; Epithelial cell; Inflammation; Atherosclerosis (Lees, D.M. (390) 89)

Tobacco

Nicotine; Activation; Cholinergic; Addiction; Ventral tegmental area (Dani, J.A. (393) 31)

Tobacco addiction

Neuronal nicotinic receptor; Nicotinic receptor distribution; Nicotine; Nicotinic agent; Schizophrenia; Dementia; Ageing; Epilepsy (Clementi, F. (393) 3)

Tobacco exposure

Alzheimer's disease; Parkinson's disease; α 3 subunit; α 4 subunit; α 7 subunit; β -Amyloidosis; Acetylcholinesterase (Perry, E. (393) 215)

Tolbutamide

Glibenclamide; Desensitization; Clonal pancreatic β -cell; Insulin release; K_{ATP} channel (Ball, A.J. (408) 327)

Tolerance

Noradrenaline; Dopamine; Hypothalamus–pituitary–adrenocortical axis; Morphine; Paraventricular nucleus (Fuertes, G. (388) 49)

μ -Opioid receptor; Desensitization; cAMP-dependent protein kinase; Morphine; *N*-(2-aminoethyl)-5-isoquinolinesulfonamide (H8) (Wang, Z. (389) 165)

Respiration; Opioid; Dependence; (Rhesus monkey) (Kishioka, S. (398) 121)

Δ 9-Tetrahydrocannabinol; (*R*)-Methanandamide; Anandamide; SR 141716; Amphetamine; Operant behavior; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Nitric oxide (NO); S-Nitrosothiol; Organic nitrate; Blood vessel (Miller, M.R. (403) 111)

GABA (γ -aminobutyric acid); Esophageal sphincter relaxation, transient, lower; Baclofen (Lehmann, A. (403) 163)

Morphine; Zn²⁺; Intrathecal; Antinociception; Dependence (Larson, A.A. (407) 267)

Clozapine; Fos-protein; DOI; 8-OH-DPAT (Sebens, J.B. (408) 11)

Nitric oxide (NO); S-Nitrosothiol; Organic nitrate; Blood vessel (Miller, M.R. (408) 335)

Tonazocine

δ -Opioid receptor agonist; SNC-80; Rotation; Parkinson's disease (Hudzik, T.J. (396) 101)

Tone

Circumferential stretch; Axial stretch; Impedance planimetry; Coronary artery, large; Ca²⁺-channel, voltage-gated; (Pig) (Tankó, L.B. (387) 303)

Topiramate

Epilepsy; Carbamazepine; Phenytoin; Valproate; Felbamate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (388) 163)

Antiepileptic drug; Electroshock, maximal; Drug interaction; Seizure (Świąder, M. (399) 35)

Topoisomerase II

Cryptolepine; Neocryptolepine; Plant alkaloid; Cytotoxicity; Apoptosis (Dassonneville, L. (409) 9)

Toxicity

Cocaine; Convulsion; AMPA receptor; Kainate receptor; NMDA receptor (Pouw, B. (386) 181)

TP receptor

Thromboxane A₂; Forskolin; cAMP; Mammary artery, internal; Saphenous vein (Cracowski, J.-L. (387) 295)

Trachea

Niflumic acid; Cl[−] channel; *I*_{Cl(Ca)} (Teixeira, M.C.L. (394) 117)

Acetylcholine release; Tachykinin NK₂ receptor; [β Ala⁸]Neurokinin A-(4–10); SR 48968 (D'Agostino, G. (396) 29)

Tracheal contraction

Compound 48/80; Connective tissue mast cell; Mast cell-deficient (Ws/Ws) rat; 5-HT (5-hydroxytryptamine, serotonin); Histamine (Ikawati, Z. (420) 297)

Tracheal perfusion

Hyperosmolarity; Prostaglandin; Nitric oxide (NO); Vasoactive intestinal peptide (VIP); (Guinea-pig) (Hjoberg, J. (398) 303)

Trachea, rat

Nitric oxide (NO); cGMP-dependent protein kinase; Na⁺,K⁺-ATPase; Aging (Scavone, C. (388) 1)

Tracizoline

Imidazoline I₂ receptor ligand; Idazoxan; RX821002; Metrazoline; Benazoline; Food intake; Water intake (Polidori, C. (392) 41)

Trandolapril

Angiotensin-converting enzyme inhibitor; Cholesterol-fed, rabbit; Aorta; Coronary artery; Mesenteric, 5th branch (Sanz, M. (397) 359)

Transcription

Nicotinic receptor; Enhancer; Promoter; Neuron (Deneris, E.S. (393) 69)

Transcriptional regulation

Acetylcholine receptor; Sox protein; Sp1; hnRNP K (Melnikova, I.N. (393) 75)

Nicotinic receptor; Neuron, human; Gene; Promoter (Flora, A. (393) 85)

Opioid peptide; AP-1 (activator protein-1); Electrophoretic mobility shift assay; Uterus, rat; Hypothalamus, rat (Oszter, A. (395) 103)

Transcription factor

Antidepressant; Mechanism of action; Monoamine; Neuropeptide; Intracellular signaling (Vetulani, J. (405) 351)

Neutrophil; Caspase; Apoptosis inhibitory protein; NF- κ B (nuclear factor- κ B); TNF- α (tumor necrosis factor- α) (Niwa, M. (407) 211)

Transcription factors

Neuropeptide; Vasopressin; Corticotropin-releasing hormone; Dopamine; Homeobox gene; Development (Burbach, J.P.H. (405) 55)

(TGF- β) Transforming growth factor- β

Biscoclaurine alkaloid; (PDGF) Platelet-derived growth factor; Mesangial cell, rat (Hayama, M. (390) 37)

Transmission disequilibrium

5-HT_{2A} receptor; Association; Genome screening; Dopamine; Estrogen β receptor; Leptin (Hinney, A. (410) 147)

Transmural electrical stimulation

Endothelin-1; FR139317; BQ-788; Phosphoramidon (Nagayama, T. (406) 69)

Transplantation

Nitric oxide (NO) synthase; Inducible; Macrophage; Peroxynitrite (Vos, I.H.C. (391) 31)

Transport, reverse

Dopamine release; Protein kinase C; Amphetamine; Phorbol ester; Cocaine (Cowell, R.M. (389) 59)

TRH (thyrotropin releasing hormone)

CART (cocaine- and amphetamine-regulated transcript); Dopamine; Norepinephrine; Synaptosome; Hypothalamus (Brunetti, L. (409) 103)

Trichloroethanol

AMPA receptor; Cortical neurone, cultured; Chloral hydrate; Ca²⁺ concentration, intracellular; Fura-2 microfluorimetry (Fischer, W. (394) 41)

P2X₃ receptor; Ethanol (Köles, L. (409) R3)

Tricyclic antidepressant

Noradrenaline reuptake site; *Meta*-hydroxyephedrine; PET (positron emission tomography); (Human) (Malizia, A.L. (391) 263)

Desipramine; Gingivitis; Microbiota; Salivary protein; Salivary flow rate (Koller, M.M. (408) 91)

Triiodothyronine

Amiodarone; β -Adrenoceptor turnover; Cardiomyocyte (Vassy, R. (408) 227)

Triterpenoid

Bradykinin; Inflammation; Neurogenic; Phorbol ester; Protein kinase C (Huguet, A.-I. (410) 69)

TRK-820

κ -Opioid receptor agonist; Antinociceptive action; κ -Opioid receptor subtype (Endoh, T. (387) 133)

Morphine; U-50,488H; Antinociceptive tolerance; (Mouse) (Tsuiji, M. (394) 91)

TrkB receptor

Nerve ligation; Chronic pain; Protein kinase C; Spinal cord; (Mouse) (Narita, M. (401) 187)

Troglitazone

Thiazolidinedione; Rosiglitazone; BRL 49653; K_{ATP} current; Glibenclamide; K⁺ channel (Mishra, S.K. (386) 121)

Apoptosis; Smooth muscle cell, vascular; p53; Gadd45; Pioglitazone (Okura, T. (407) 227)

Fructose 2,6-bisphosphate; Hepatocyte; Insulin; Thiazolidinedione (Raman, P. (409) 19)

Trypsin-treated protein kinase C activity

5-HT (5-Hydroxytryptamine, serotonin); Endothelial cell, rat; Protein kinase C; [³H]Phorbol 12,13-dibutyrate binding; cAMP; cGMP (Lee, H.-Z. (403) 195)

Tryptanthrin

Nitric oxide; Inducible NO synthase; Prostaglandin; Cyclooxygenase; Inflammation (Ishihara, T. (407) 197)

Tryptophan hydroxylase

Pharmacogenetics; 5-HT (5-hydroxytryptamine, serotonin); 5-HT receptor; 5-HT (5-hydroxytryptamine, serotonin) transporter; Monoamine oxidase; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective; Clozapine (Veenstra-VanderWeele, J. (410) 165)

Tubular reabsorption

Cyclosporine; Tacrolimus; Glomerulo-tubular balance; Tubulo-glomerular feed-back; Single nephron filtration rate (Romano, G. (399) 215)

Tubulo-glomerular feed-back

Cyclosporine; Tacrolimus; Glomerulo-tubular balance; Tubular reabsorption; Single nephron filtration rate (Romano, G. (399) 215)

Tumor necrosis factor- α (TNF- α)

Alanine aminotransferase; Concanavalin A; Apoptosis; Interferon- γ ; Soy-asapogenol A (Kuzuhara, H. (391) 175)

Turning behavior

Dopamine D₁ receptor; 6-Hydroxydopamine; Behavioral tolerance (Casas, M. (396) 93)

TY-12533

Na⁺/H⁺ exchanger; Ischemia; Reperfusion; Arrhythmia; Myocardial infarction (Aihara, K. (404) 221)

Tyramine

Electrophysiology; Antidepressant; 5-HT_{1A} receptor; α_2 -Adrenoceptor; Norepinephrine transporter; Pyridobenzoazepine (Liégeois, J.-F. (386) 211)

Tyrosine hydroxylase

Dopamine; Sulfonylurea; Glipizide; DOPAC (3,4-dihydroxyphenylacetic acid); HVA (homovalinic acid) (Lamensdorf, I. (388) 147)

Haloperidol; Substantia nigra; Immunohistochemistry; Antioxidant; (Rat) (Besret, L. (408) 35)

Tyrosine kinase

Damnanacanthal; Dermal fibroblast; Ca^{2+} , intracellular (Aoki, K. (387) 119)

Ca^{2+} entry, capacitative; Ca^{2+} store, internal; Fura-2; Cation channel, non-selective (Ohta, T. (387) 211)

Ca^{2+} ; Adrenoceptor; Inositol phosphate; Fura-2 (Berts, A. (389) 35)

Neutrophils, rat; p38 Mitogen-activated protein kinase; Protein kinase C; Phospholipase C; Ca^{2+} , cytosolic-free (Chang, L.-C. (390) 61)

Tyrosine kinase inhibitor

Smooth muscle, Tracheal; Cromakalim; K^+ channel, ATP-sensitive (Matsushita, Y. (389) 51)

Tyrosine phosphorylation

Insulin; Primary culture of hepatocyte; cAMP phosphodiesterase; Microtubule; Wortmannin; Herbimycin A (Ishibashi, K. (409) 109)

Tyr-W-MIF-1

Opioid receptor subtype; Xylazine; DAMGO; DPDPE; U50,488; α_2 adrenoceptor (Ware, T.D. (389) 181)

U50,488

Opioid receptor subtype; Xylazine; DAMGO; DPDPE; Tyr-W-MIF-1; α_2 adrenoceptor (Ware, T.D. (389) 181)

U-50,488H

Morphine; TRK-820; Antinociceptive tolerance; (Mouse) (Tsuji, M. (394) 91)

1229U91

Neuropeptide Y receptor; Neuropeptide Y Y_6 receptor; Neuropeptide Y; Orexigenesis (Mullins, D.E. (395) 87)

U-46619

JTE-522; Cyclooxygenase-2; Prostaglandin E_2 ; Thromboxane A_2 ; Airway hyperresponsiveness; Ozone; (Guinea pig) (Nakano, H. (403) 267)

U69,593

Opioid analgesia; Hotplate; Sex differences; Lick latency; (Rat) (Van Haaren, F. (408) 153)

Ulcer

Non-steroidal anti-inflammatory drug (NSAID); Apoptosis; Colon cancer; Pentose phosphate pathway (Porter, S.N. (397) 1)

Ulcer healing

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ranitidine; Gastric blood flow; Interleukin- $\text{I}\beta$; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Ultrasonic vocalization

MDMA (($\pm$)-3,4-Methylenedioxymethamphetamine); Ecstasy; Anxiety; Odor, cat; Social interaction (Morley, K.C. (408) 41)

Nitric oxide (NO); NMDA (*N*-methyl-D-aspartate); Anxiety; Motor behavior; (Rat) (Podhorna, J. (408) 265)

Ultrastructure

2,3-Butanedione monoxime; Ca_i^{2+} + transient; Fura 2-acetoxymethyl (AM) ester; Long-term culture; Contractility; (Guinea pig) (Horackova, M. (404) 247)

Umbilical artery, human

5-HT (5-hydroxytryptamine, serotonin); Nicorandil; ATP-sensitive, K^+ channels; SIN-1 (3-Morpholinomethylsulfonamide); Guanylate cyclase; Glibenclamide; ODQ ([1-*H*-(1,2,4) Oxadiazole (4,3-*a*) quinoxalin-1-one]); Temperature (Tiritilli, A. (406) 79)

Umbilical vein, human

Fractalkine; Chemokine; Chemotaxis; Adhesion; Endothelial cell (Chapman, G.A. (392) 189)

Bradykinin B_1 receptor; Retinoid (Sardi, S.P. (407) 313)

Umbilical veins, human

Angiotensin-converting enzyme; Angiotensin-converting enzyme inhibitor; Endothelial cells, cultured; Nitric oxide (NO); Platelet aggregation (Persson, K. (406) 15)

Uptake

Steroid; Protein phosphatase; Dopamine D_2 receptor agonist; Dopamine D_2 receptor antagonist (Thompson, T.L. (401) 357)

Urate uptake

E3040; Brush border membrane vesicle; (Rat) (Yamada, H. (406) 45)

Urethra

Nitric oxide (NO); Adrenoceptor; Nitrergic nerve; (Rabbit) (Seshita, H. (400) 271)

Urinary bladder; Nitric oxide (NO); cGMP; Smooth muscle (Fujiwara, M. (401) 241)

Urethra relaxation

Nitric oxide (NO); Carbon monoxide (CO); Hydrogen peroxide; Corpus cavernosa (Naseem, K.M. (387) 329)

Urinary albumin excretion

Angiotensin-converting enzyme inhibitor; Diabetes; Nephropathy; Immunohistochemistry (Katoh, M. (398) 381)

Urinary bladder

Endothelin receptor; Diabetes (Saito, M. (387) 253)

Maxi- K^+ channel; Radioligand binding; Iberitoxin (Molinari, E.J. (388) 155)

Epithelium; Prostaglandin; Diabetes (Pinna, C. (388) 267)

Urethra; Nitric oxide (NO); cGMP; Smooth muscle (Fujiwara, M. (401) 241)

Epithelial Na^+ channel; cAMP (Burton, T.J. (404) 273)

Urinary bladder, human

Bradykinin B_2 receptor; Bradykinin receptor antagonist; Cystitis; MEN 11270; Urinary bladder, rat (Meini, S. (388) 177)

Nepadutant; Tachykinin receptor; Tachykinin receptor antagonist; Intestine, human (Patacchini, R. (398) 389)

Urinary bladder, rat

Bradykinin B_2 receptor; Bradykinin receptor antagonist; Cystitis; MEN 11270; Urinary bladder, human (Meini, S. (388) 177)

Urinary incontinence

β_2 -Adrenoceptor; ATP-sensitive K^+ channel; Detrusor muscle; Clenbuterol (Hudman, D. (397) 169)

Urinary tract, lower

TAK-637; Tachykinin NK₁ receptor antagonist, non-peptide; Micturition reflex (Doi, T. (395) 241)

Urocanic acid

GABA_A receptor; UV-induced immunosuppression (Uusi-Oukari, M. (400) 11)

Urocortin

CRF (corticotropin-releasing factor); CRF receptor; Antisense; Stress; Behaviour; (Antagonist) (Smagin, G.N. (405) 199)

Urotensin II

Coronary artery; Vasodilatation (Katano, Y. (402) 209)

Rabbit; Artery; Phosphoinositide; Peptide; Phospholipase C (Opgaard, O.S. (406) 265)

Ussing chamber

P2Y receptor; Sweat gland; Anionic secretion; Hyperhidrosis; Ca²⁺, intracellular (Bovell, D.L. (403) 45)

Uterus

Phenytoin; Ovulation; Oestrogen (Tamura, K. (398) 317)

Uterus, rat

Opioid peptide; AP-1 (activator protein-1); Electrophoretic mobility shift assay; Transcriptional regulation; Hypothalamus, rat (Oszter, A. (395) 103)

UTP

ATP; Ecto-nucleotidase; Dipyridamole; Ecto-ATPase; Superior cervical ganglion, rat (Connolly, G.P. (397) 271)

UTP contraction

Aorta, rat; Smooth muscle; Vascular; Protein kinase C; Ca²⁺ (López, C. (391) 299)

UV-induced immunosuppression

Urocanic acid; GABA_A receptor (Uusi-Oukari, M. (400) 11)

UV light

D2 receptor; Planaria (Raffa, R.B. (406) R11)

V_{max}

Antiarrhythmic drug; Reperfusion arrhythmia; Action potential duration (Baczkó, I. (404) 181)

Vacuolar-type ATPase

Bafilomycin A₁; α-Fluoromethylhistidine; Histidine decarboxylase; Reserpine; Vesicular monoamine transporter (Lindström, E. (387) 19)

Vagal afferent

Somastatin; Capsaicin; Mustard oil; Antidromic stimulation; Anti-inflammatory effect (Thán, M. (399) 251)

Vagus nerve

C-fiber; Cholinergic nerve; Acetylcholine; Neurokinin-A (Matsumoto, K. (403) 157)

Valproate

Arachidonic acid cascade; Platelet; Brain microvessel, rat (Szupera, Z. (387) 205)

Epilepsy; Topiramate; Carbamazepine; Phenytoin; Felbamate; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (388) 163)

Nitric oxide (NO); Epilepsy; 7-Nitroindazole; Carbamazepine; Diazepam; Lamotrigine; Phenobarbital; Phenytoin; Anticonvulsant; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (394) 275)

Valsartan

Spectral analysis; Catecholamine; Isoprenaline; Arterial pressure (Blanc, J. (394) 311)

Cyclosporine A; Na⁺; Enalapril; Angiotensin II; Vascular response (Lassila, M. (398) 99)

Vanadium

Nitric oxide (NO); Nitric oxide (NO) synthases; Growth; Osteoblast differentiation; Bone; Cytotoxicity (Cortizo, A.M. (400) 279)

Vanadyl sulfate

Aging; Insulin action; Insulin release; Islet, isolated (De Tata, V. (398) 169)

Vanilloid receptor

Phoneutria nigriventer venom; Sensory nerve; Neurogenic plasma extravasation; Tachykinin NK₁ receptor agonist; Purinoceptor (Costa, S.K.P. (391) 305)

Staphylococcal enterotoxin B; Kinin; Mast cell; Neurogenic inflammation; Tachykinin NK₁ receptor (Linardi, A. (399) 235)

Cannabinoid receptor; Anandamide; Capsaicin; Anti-nociception; Behavior; (Mouse) (Di Marzo, V. (406) 363)

Vascular

UTP contraction; Aorta, rat; Smooth muscle; Protein kinase C; Ca²⁺ (López, C. (391) 299)

Flow; Nitric oxide (NO); Oxidative stress; Ischemia-reperfusion (Walia, M. (400) 249)

Vascular endothelial cell

Diarylheptanoid; Leukocyte adhesion molecule; Anti-inflammation; 5-Lipoxygenase (Yamazaki, R. (404) 375)

Vascular endothelium

Nitric oxide (NO); Vascular permeability; Neutrophil granulocytes; Platelet-activating factor (PAF); Thromboxanes; Leukotrienes; Vaso-pressin; Surgery (Pávó, I. (402) 193)

Vascular hyporeactivity

Lipopolysaccharide; Ventricular myocyte; Ca²⁺ transient; β-adrenergic stimulation; Nitric oxide (NO) (Shan, Q. (406) 257)

Vascular permeability

Nitric oxide (NO); Vascular endothelium; Neutrophil granulocytes; Platelet-activating factor (PAF); Thromboxanes; Leukotrienes; Vaso-pressin; Surgery (Pávó, I. (402) 193)

Allergic conjunctivitis; Histamine H₁ receptors; 5-HT (5-hydroxytryptamine, serotonin); Histamine (Nakahara, H. (409) 313)

Vascular reactivity

Diabetes; Ouabain; Na⁺,K⁺-ATPase; Phenylephrine; Streptozotocin; Nitric oxide; (Rat) (Davel, A.P.C. (406) 419)

Vascular response

Cyclosporine A; Na⁺; Enalapril; Valsartan; Angiotensin II (Lassila, M. (398) 99)

Vas deferens

Ectonucleotidase; ATP; Purinergic (Tennant, J.P. (387) 107)

Ca²⁺ channel, N-type; ω -Conotoxin GVIA; ω -Conotoxin MVIIA; ω -Conotoxin MVIIC; Intestine; Superior cervical ganglion; (Human); (Rat); (Guinea-pig) (Sanger, G.J. (388) 89)

Vas deferens, rat

Bradykinin; Bradykinin receptor; Hoe 140; Antagonism, insurmountable (Asghar, A.U.R. (398) 131)

Calcitonin gene-related peptide (CGRP); BIBN4096BS; CGRP (8-38); CGRP receptor subtypes; Left atrium, rat (Wu, D. (400) 313)

Vasoactive intestinal peptide (VIP)

Hyperosmolarity; Prostaglandin; Nitric oxide (NO); Tracheal perfusion; (Guinea-pig) (Hjoberg, J. (398) 303)

Vasoactivity

Cytokine; Endothelin ET_B receptor; Interleukin-1 β ; Interleukin-6; Interferon- γ ; TNF- α (tumour necrosis factor- α); Sarafotoxin S6c (White, L.R. (406) 117)

Vasoconstriction

Carotid artery, rat; Endothelial injury; Angiotensin I-converting enzyme; Angiotensin I-converting enzyme inhibitor (Lemay, J. (394) 301)

Isoprostane; Oxidative stress; Mammary artery (Cracowski, J.-L. (397) 161)

Cl⁻ channel; Stilbene derivative; Smooth muscle, vascular (Lamb, F.S. (401) 403)

SL 65.0472; 5-HT_{1B} receptor; 5-HT_{2A} receptor (Galzin, A.-M. (404) 361)

Acidosis; ATP; P2X receptor; pH; Purine; Mesenteric arterial bed (Ralevic, V. (406) 99)

5-HT receptor; cAMP accumulation (Bou, J. (410) 33)

Vasoconstrictor effect

5-HT (5-hydroxytryptamine, serotonin); α -Methyl-5-hydroxytryptamine; Mesenteric blood flow; 5-HT_{2B/2C} receptor (Fernández, M.M. (401) 221)

Vasoconstrictor response

Nasal mucosa vasculature; Noradrenaline; NS-49; α_1 -Adrenoceptor subtype (Tanimitsu, N. (387) 73)

Vasodilatation

EDHF (endothelin-derived hyperpolarising factor); Endothelium; P2 receptor; Purine; Pyrimidine (Malmsjö, M. (390) 173)

Substance P; Plasma extravasation; Knee joint, Rabbit (Lam, F.F.Y. (400) 327)

Urotensin II; Coronary artery (Katano, Y. (402) 209)

Vasodilation

Sensory nerve fibre; CGRP (calcitonin-gene-related peptide); Migraine (Olivar, T. (395) 61)

Cannabinoid; Capsaicin; Neuron; Afferent; Pain; Receptor; Sensory (Zygmunt, P.M. (396) 39)

L-S-Nitrosocysteine; Nitric oxide (NO); Redox; (Rat) (Hoque, A. (408) 195)

S-Nitrosothiol; Nitric oxide (NO); EDRF (endothelium-derived relaxing factor); Ca²⁺-channel, voltage-sensitive (Travis, M.D. (408) 289)

Vasopressin

Vasopressin V_{1A} receptor; Vasopressin V₂ receptor; Hypertrophy; Myocyte; Cell culture (Nakamura, Y. (391) 39)

Microvascular constriction; Mesenteric arteriole; Cremasteric arteriole; OPC-21268; OPC-31260 (Ishiguro, S. (400) 121)

Vasopressin receptor; Vasopressin V_{1B} receptor; Vasopressin V₂ receptor, CHO (Chinese hamster ovary) cell; Medullary collecting duct, inner (Saito, M. (401) 289)

Nitric oxide (NO); Vascular permeability; Vascular endothelium; Neutrophil granulocytes; Platelet-activating factor (PAF); Thromboxanes; Leukotrienes; Surgery (Pávó, I. (402) 193)

Neuropeptide; Intranasal administration; Insulin; Melanocortin; Cognition (Fehm, H.L. (405) 43)

Neuropeptide; Corticotropin-releasing hormone; Dopamine; Homeobox gene; Transcription factors; Development (Burbach, J.P.H. (405) 55)

Hippocampus; Memory process (Alescio-Lautier, B. (405) 63)

Norepinephrine; Neuromodulation; Associative memory mechanism; Hippocampus (Brinton, R.D. (405) 73)

Corticosterone; Firing pattern; Ion channel; Neurotransmitter (Joëls, M. (405) 207)

Corticotropin-releasing factor (CRF); Autonomic nervous system; Learning; Memory (Croiset, G. (405) 225)

Oestrogen receptor modulator; Oestrogen; Nitric oxide (NO); Blood pressure; Enzyme regulation (Pávó, I. (410) 101)

Vasopressin receptor

Vasopressin; Vasopressin V_{1B} receptor; Vasopressin V₂ receptor, CHO (Chinese hamster ovary) cell; Medullary collecting duct, inner (Saito, M. (401) 289)

Vasopressin V_{1A} receptor

Vasopressin; Vasopressin V₂ receptor; Hypertrophy; Myocyte; Cell culture (Nakamura, Y. (391) 39)

Vasopressin V₂ receptor

Vasopressin; Vasopressin V_{1A} receptor; Hypertrophy; Myocyte; Cell culture (Nakamura, Y. (391) 39)

Vasopressin V_{1B} receptor

Vasopressin; Vasopressin receptor; Vasopressin V₂ receptor, CHO (Chinese hamster ovary) cell; Medullary collecting duct, inner (Saito, M. (401) 289)

Vasopressin V₂ receptor antagonist

Aquaretic effect; SR121463 (Lacour, C. (394) 131)

Vasopressin V₂ receptor, CHO (Chinese hamster ovary) cell

Vasopressin; Vasopressin receptor; Vasopressin V_{1B} receptor; Medullary collecting duct, inner (Saito, M. (401) 289)

Vasorelaxant

Harman; Endothelium; Nitric oxide (NO) (Shi, C.-C. (390) 319)

Vasorelaxation

Flavonoid; Dioclein; Endothelium; Nitric oxide (NO); Aorta (Lemos, V.S. (386) 41)

Berberine; Nitric oxide (NO); K^+ channel; Ca^{2+} channel; Proliferation; Mesenteric artery; (Rat) (Ko, W.-H. (399) 187)

Venlafaxine

Microdialysis; Serotonin (5-hydroxytryptamine, 5-HT); Selective serotonin (5-hydroxytryptamine, 5-HT) reuptake inhibitor; YM992; Antidepressant (Hatanaka, K.-i. (395) 23)

Norepinephrine; 5-HT_{2A} receptor antagonist; Microdialysis; YM992; Antidepressant (Hatanaka, K.-i. (395) 31)

WAY 100635; 5-HT(5-hydroxytryptamine, serotonin); 5-HT_{1A} autoreceptor; Dorsal raphe nucleus; 5-HT syndrome; (Cat) (Bjorvatn, B. (404) 121)

Ventral posterolateral nucleus

Hyperalgesia; Excitatory amino acid; Morphine; Riluzole; Dizocilpine (Abarca, C. (403) 67)

Ventral tegmental area

Nicotine; Activation; Cholinergic; Tobacco; Addiction (Dani, J.A. (393) 31)

Nicotinic receptor; Epibatidine; Somatodendritic; Substantia nigra; Dendrosome (Reuben, M. (393) 39)

Nicotine; Neurofilament; NF-68; NF-160; NF-200; Immunohistochemistry (Bunnemann, B. (393) 249)

Ventricle enlargement

Schizophrenia; Bipolar disorder; Depression; Memory; Synaptic plasticity; Neurocognitive impairment (Vawter, M.P. (405) 385)

Ventricle, right

Morphine withdrawal; Catecholaminergic activity; Yohimbine; Prazosin (Milanés, M.V. (397) 311)

Ventricular arrhythmia

AH-1058; Ca^{2+} channel blocker (Takahara, A. (398) 107)

Ventricular cardiomyocyte, rat

Contractile function; Ca^{2+} channel, L-type; Nitric oxide (NO); Myoglobin (Vulcu, S.D. (406) 247)

Ventricular function, dog

Angiotensin-converting enzyme inhibitor; Bradykinin; Ischemia; Reperfusion (Hosoya, K. (390) 157)

Ventricular hypertrophy

N^ω-nitro-L-arginine methyl ester; Heart lesion; Stereology (De Oliveira, C.F. (391) 121)

Ventricular muscle, dog

Positive inotropic effect; Ca^{2+} transient; Myofibrillar Ca^{2+} sensitivity; cAMP; Levosimendan (Takahashi, R. (400) 103)

Ventricular myocyte

Lipopolysaccharide; Vascular hyporeactivity; Ca^{2+} transient; β -adrenergic stimulation; Nitric oxide (NO) (Shan, Q. (406) 257)

Ventricular myocyte, guinea-pig

Nifedipine; K^+ current, inward-rectifier; K^+ current, delayed-rectifier (Zhabyeyev, P. (401) 137)

Ventricular remodeling

γ -Butyrobetaine hydroxylase inhibitor; Heart failure; Survival rate; Cardiac functional adaptability; High-energy phosphate (Hayashi, Y. (395) 217)

Veratridine

Hippocampal neuron; Swelling; Death; Na^+ channel; Ca^{2+} channel (Okuyama, K. (398) 209)

Veratrine

Histamine; Histamine release; Microdialysis; Ouabain (Washington, B. (407) 117)

Verbascosaponin

Anti-inflammatory activity; Verbascosaponin A; Scropolioside A; Scrovalentinoside; (*Scrophularia auriculata* ssp. *pseudoauriculata*) (Giner, R.-M. (389) 243)

Verbascosaponin A

Anti-inflammatory activity; Verbascosaponin; Scropolioside A; Scrovalentinoside; (*Scrophularia auriculata* ssp. *pseudoauriculata*) (Giner, R.-M. (389) 243)

Very low-density lipoprotein

Endothelium-dependent relaxation; Low-density lipoprotein; High-density lipoprotein; Oxysterol (Perségol, L. (406) 429)

Vesicular monoamine transporter

Bafilomycin A₁; α -Fluoromethylhistidine; Histidine decarboxylase; Reserpine; Vacuolar-type ATPase (Lindström, E. (387) 19)

Vessel, isolated

Bradykinin B₂ receptor; Antagonist; (Human); (Pig); (Rabbit) (Rizzi, C. (386) 25)

Vigabatrin

Antiepileptic drug; Epileptic activity; Temporal lobe epilepsy; Pharmacoresistant; Brain slice (Muschhoff, U. (401) 167)

Vincristine

P-Glycoprotein; Bioflavonoid; Blood-brain barrier; Protein kinase C (Mitsunaga, Y. (395) 193)

γ -Vinyl GABA (vigabatrin)

γ -Aminobutyric acid (GABA); Dopamine; Microdialysis; Cocaine; γ -Aminobutyric acid (GABA) reuptake inhibitor (Gerasimov, M.R. (395) 129)

VIP-(10–28)

PACAP (pituitary adenylate cyclase-activating peptide); VIP (vasoactive intestinal peptide); Apamin; Suramin; PACAP-(6–38); Colon; (Rat) (Plujà, L. (389) 217)

VIP (vasoactive intestinal peptide)

NANC (nonadrenergic, noncholinergic) relaxation; Strain difference; Colon, distal; Nitric oxide (NO) (Okishio, Y. (388) 97)

PACAP (pituitary adenylate cyclase-activating peptide); Apamin; Suramin; PACAP-(6–38); VIP-(10–28); Colon; (Rat) (Plujà, L. (389) 217)

PACAP (pituitary adenylate cyclase activating peptide); Nitric oxide (NO); Nonadrenergic noncholinergic (NANC) relaxation, inhibitory; Smooth muscle, tracheal; (Cat) (Yoshida, M. (395) 77)

VIP (Vasoactive intestinal polypeptide)

Capsaicin; Myenteric neuron; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); PACAP (Pituitary adenylate cyclase activating peptide); NO (Nitric oxide); Small intestine (Barthó, L. (392) 183)

VIP (vasoactive intestinal polypeptide)

Nitric oxide (NO); Gastric fundus, Pig (Dick, J.M.C. (397) 389)

Visceral pain

Histamine H₁ receptor; Pain perception; Histamine; Somatic pain; Gene targeting (Mobarakeh, J.I. (391) 81)

Visual cortex

Synaptic plasticity; Long-term potentiation; Primed-burst stimulation; Ketamine (Salami, M. (390) 287)

Vitamin E

Streptozotocin-induced diabetic mouse; Corpus cavernosum; Nitric oxide (NO); Antioxidant; Sodium selenate; Oxidative stress (Göçmen, C. (398) 93)

Oxidative stress; Free radical; Antioxidant; Cortical culture; Propofol (Boland, A. (404) 21)

Atherosclerosis; Alzheimer's disease; Apolipoprotein E (Peroutka, S.J. (410) 161)

Vitronectin

Smooth muscle cell, Vascular; Endothelial cell; Integrin; Glycoprotein IIb/IIIa-inhibitor; (Human) (Kintscher, U. (390) 75)

Volatile

Anesthetic; K⁺ channel; Ca²⁺-activated; *Xenopus* oocyte (Namba, T. (395) 95)

Voltage clamp

ATP receptor; Oocyte; Antagonist; Whole cell; NF279 (8,8'-(carbonylbis(imino-4,1-phenylenecarbonylimino-4,1-phenylenecarbonylimino))bis(1,3,5-naphthalenetrisulfonic acid)) (Klapperstück, M. (387) 245)

Calmodulin antagonist; Mechanosensitive channel; Stretch receptor (Lin, J.-H. (397) 11)

Voltage-clamp, Whole-cell

5-HT₃ receptor; Zn²⁺; Cation, Divalent; Radioligand binding; Neuro-modulation (Hubbard, P.C. (394) 189)

Voltammetry in vivo

Ethanol; Dopamine release; Stress of social defeat; Nucleus accumbens; (Mouse) (Yavich, L. (401) 365)

Volume and fluid regulation

Alcohol withdrawal, human; Delirium tremens; ANP (atrial natriuretic peptide) secretion; Withdrawal hyperexcitability, mouse; NMDA (*N*-methyl-D-aspartate) seizure; Glutamate (Kovács, G.L. (405) 103)

WAG/Rij rat

Generalized absence epilepsy; Ca²⁺ channel; Spike-wave discharge; Nimodipine; BAY K8644; Ethosuximide; Genetic model (Van Luijcklaar, G. (406) 381)

Water intake

Imidazoline I₂ receptor ligand; Idazoxan; RX821002; Metrazoline; Benazoline; Tracizoline; Food intake (Polidori, C. (392) 41)

5-HT_{1B} receptor; Knockout mouse; Ethanol intake; Food intake (Bouwknicht, J.A. (403) 95)

WAY 100635

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Neuroleptic; Antipsychotic; Catalepsy; Extrapyrimal side-effect; 5-HT (5-hydroxytryptamine, Serotonin) depletion; Dopamine D₂-like receptor; 5-HT_{1A} receptor; *p*-Chlorophenylalanine; Nemonapride; Raclopride (Prinssen, E.P.M. (395) 143)

[³⁵S]GTPγS binding; 5-HT_{1A} receptor; Inverse agonist (Cosi, C. (401) 9)

Venlafaxine; 5-HT(5-hydroxytryptamine, serotonin); 5-HT_{1A} autoreceptor; Dorsal raphe nucleus; 5-HT syndrome; (Cat) (Bjorvatn, B. (404) 121)

Microdialysis, in vivo; 5-HT_{1A} receptor; 5-HT (5-hydroxytryptamine, serotonin) release (Assié, M.-B. (409) 173)

WAY100635

5-HT_{1B/D} receptor; Locomotor activity; SKF99101H; GR127935; (Guinea pig) (O'Neill, M.F. (399) 49)

WAY-100635

Ipsapirone; 5-HT_{1A} receptor agonist; Food intake (Arkle, M. (408) 273)

Whole cell

ATP receptor; Oocyte; Antagonist; Voltage clamp; NF279 (8,8'-(carbonylbis(imino-4,1-phenylenecarbonylimino-4,1-phenylenecarbonylimino))bis(1,3,5-naphthalenetrisulfonic acid)) (Klapperstück, M. (387) 245)

Whole-cell

l-cis-Diltiazem; *d*-cis-Diltiazem; Patch-clamp; Ca²⁺ overload; Na⁺ current; Lysophosphatidylcholine (Hashimoto, Y. (391) 217)

WI-38 cell

Bradykinin B₁ receptor; Bradykinin B₂ receptor; Regulation; [³H]des-Arg¹⁰-kallidin; [³H]Bradykinin; Cytokine (Phagoo, S.B. (397) 237)

WIN55212

Cannabinoid CB₂ receptor; Palmitoylethanolamide; Nitric oxide (NO); RAW264.7; Macrophage; cAMP (Ross, R.A. (401) 121)

WIN 55212-2

Cannabinoid receptor; SR 144528; Mutagenesis; Ligand docking; Molecular model (Gouldson, P. (401) 17)

Cannabinoid receptor agonist; Cannabinoid receptor antagonist; SR14716A; Ileum; Electrical field stimulation; Short-circuit current, (Rat) (Tyler, K. (409) 207)

WIN 55, 212-2

Acetylcholine; Hippocampus; HU 210; Microdialysis; Cortex, prefrontal; SR 141716A (Acquas, E. (401) 179)

Wind-up

C-fibre; Flexor reflex; Rostral ventromedial medulla; Spino-bulbo-spinal; Inhibitory feedback mechanism; Morphine (Gozariu, M. (394) 75)

Withdrawal

THC (tetrahydrocannabinol); Dependence; Operant behavior; Behavioral dependence; SR141716A; (Rat) (Beardsley, P.M. (387) 47)

Ethanol tolerance; Ethanol dependence; NMDA (*N*-methyl-D-aspartate); ANP (atrial natriuretic peptide); Antiserum against atrial natriuretic peptide (Kovács, G.L. (401) 343)

Withdrawal hyperexcitability, mouse

Alcohol withdrawal, human; Delirium tremens; Volume and fluid regulation; ANP (atrial natriuretic peptide) secretion; NMDA (*N*-methyl-D-aspartate) seizure; Glutamate (Kovács, G.L. (405) 103)

Withdrawal jump

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency (Raghavendra, V. (409) 279)

Withdrawal, precipitated

Radiotelemetry; Abecarnil (Elliot, E.E. (394) 237)

Wogonin

Flavonoid; Cyclooxygenase; Prostaglandin; Macrophage (Wakabayashi, I. (406) 477)

Wood smoke

CP-96,345; Tachykinin NK₁ receptor; Tachykinin NK₂ receptor (Lin, Y.S. (394) 139)

Working memory

Radial-arm maze; SR141716A; Cannabinoid (Lichtman, A.H. (404) 175)

Dopamine; Microdialysis, In vivo; Prefrontal cortex; Shuttle-box; (Gerbil) (Stark, H. (405) 263)

Wortmannin

Phosphatidylinositol-3-kinase; Adenosine; Methacholine; 5-HT; Bronchoconstriction; Active sensitisation; Ovalbumin; Brown Norway, rat (Tigani, B. (406) 469)

Insulin; Primary culture of hepatocyte; Tyrosine phosphorylation; cAMP phosphodiesterase; Microtubule; Herbimycin A (Ishibashi, K. (409) 109)

Wound healing accelerator

Healing-impaired, mouse; Cyclic peptide; SEK-1005; TGF-β1 (transforming growth factor-β1) inducer (Abe, Y. (408) 213)

Xanthine oxidase

Iodonium; NADPH oxidase; Nitric oxidase (NO) synthase; NADH-ubiquinone reductase (Moulton, P. (401) 115)

***Xenopus laevis* oocyte**

Nicotinic acetylcholine receptor; Acetylcholine; Choline; Agonist; Partial; Co-agonist (Zwart, R. (393) 209)

***Xenopus* oocyte**

Anesthetic; volatile; K⁺ channel; Ca²⁺-activated (Namba, T. (395) 95)

***Xenopus* oocytes**

OAT1 (organic anion transporter 1); Renal tubular secretion; Sulfonyleurea; Nateglinide; *p*-Aminohippurate (Uwai, Y. (398) 193)

Xylazine

Opioid receptor subtype; DAMGO; DPDPE; Tyr-W-MIF-1; U50,488; α₂ adrenoceptor (Ware, T.D. (389) 181)

Y-27632

Bronchodilator; Rho-kinase (Iizuka, K. (406) 273)

Y-39041

Arthritis; TNF-α (Tumor necrosis factor-α); Interleukin-10; Lipopolysaccharide (Hisadome, M. (409) 331)

YM158

Leukotriene; Thromboxane; Asthma (Arakida, Y. (403) 169)

YM992

Microdialysis; Serotonin (5-hydroxytryptamine, 5-HT); Selective serotonin (5-hydroxytryptamine, 5-HT) reuptake inhibitor; Venlafaxine; Antidepressant (Hatanaka, K.-i. (395) 23)

Norepinephrine; 5-HT_{2A} receptor antagonist; Microdialysis; Venlafaxine; Antidepressant (Hatanaka, K.-i. (395) 31)

YM-31636

5-HT₃ receptor agonist; Colon, distal; Atrium, right; (Guinea pig) (Ito, H. (409) 195)

YM-126414

C2C12 cell; Glucose transporter isotype 4; Insulin resistance (Shimokawa, T. (410) 1)

Yohimbine

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride (Cryan, J.F. (390) 275)

Morphine withdrawal; Ventricle, right; Catecholaminergic activity; Prazosin (Milanés, M.V. (397) 311)

Yoking

Self-administration; Catecholamine; Epinephrine; Norepinephrine; Corticosterone; Nicotine (Donny, E.C. (402) 231)

Z-335

Thromboxane A₂; Arterial thrombosis; Cilostazol (Tanaka, T. (401) 413)

Zaldaride maleate

Calmodulin; Adenylate cyclase; Guanylate cyclase; Ion secretion (Aikawa, N. (394) 233)

Zatebradine

Ischemia-induced arrhythmia; Reperfusion arrhythmia; Propranolol; (Dog) (Naito, H. (388) 171)

zif268

c-fos; 6-Hydroxydopamine; *N*-methyl-D-aspartate (NMDA); L-3,4-dihydroxyphenylalanine (L-DOPA); Striatum (Adams, A.C. (404) 303)

Zinc protoporphyrin IX

Benzodiazepine receptor, mitochondrial; δ-Aminolaevulinic acid; Protoporphyrin IX; Aciflourfen; Protoporphyrinogen oxidase (Mesenhöller, M. (406) 171)

ZM 241385

Adenosine A_{2A} receptor; SCH 58261; CGS 21680; Motor activity; Knockout, mouse (El Yacoubi, M. (401) 63)

Zn²⁺

Cerebral endothelial cell; Dithiocarbamate; NF-κB (nuclear factor-κB); (Bovine) (Kim, C.H. (392) 133)

5-HT₃ receptor; Cation, Divalent; Voltage-clamp, Whole-cell; Radioligand binding; Neuromodulation (Hubbard, P.C. (394) 189)

Morphine; Intrathecal; Antinociception; Tolerance; Dependence (Larson, A.A. (407) 267)

Zolmitriptan

5-HT_{1B} receptor, human; K⁺ channel, Ca²⁺-dependent; C6 glioma cell (Le Grand, B. (397) 297)

Zolpidem

Benzodiazepine; Drug discrimination (Rowlett, J.K. (406) R9)