

Keyword index

ACEA-1021

Cocaine; Motor activity; Conditioning; Dizocilpine (MK-801); D-CPPene (SDZ EAA 494); Memantine; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

Acetylcholine

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

Acetylcholine receptor

Conotoxin; Neuronal nicotinic receptor; Chromaffin cell; Nicotinic receptor antagonist; Catecholamine release (Broxton, N. (390) 229)

Action potential

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

Adenosine A_1 receptor

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

α_2 -Adrenoceptor

[35 S]GTP γ S 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)

Adrenomedullin

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

Alzheimer's disease

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

Anaesthetic volatile

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

Anaphylactic shock

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

Angiotensin-converting enzyme inhibitor

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

Antioxidant

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

Antipsychotic

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

Apoptosis

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

Arrhythmia

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

Atherosclerosis

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

ATP

Adenosine A_1 receptor; FRTL-5 thyroid cell; Protein kinase C; Signal transduction (Vainio, M. (390) 43)

Behaviour

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

Binding

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

Biscoclaurine alkaloid

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

Bradykinin

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)

Brain, human

[35 S]GTP γ S binding; α_2 -Adrenoceptor; 5-HT $_{1A}$ receptor; μ -Opioid receptor; G-protein (González-Maeso, J. (390) 25)

Ca^{2+} , cytosolic-free

Neutrophils, rat; p38 Mitogen-activated protein kinase; Tyrosine kinase; Protein kinase C; Phospholipase C (Chang, L.-C. (390) 61)

Ca^{2+} , intracellular

Myometrium (porcine); α_2 -Adrenoceptor; Clonidine; cAMP; Ca^{2+} sensitivity (Kitazawa, T. (390) 185)

Calphostin C

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

cAMP

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

cAMP response element

Melatonin receptor; Luciferase; Reporter gene assay; HEK293 cell (Conway, S. (390) 15)

Cardiac hypertrophy

Diabetes; Hyperglycaemia; Peroxisome proliferator-activated receptor γ (Bell, D. (390) 237)

Carrageenan

Inflammation; Nitric oxide (NO); Peroxynitrite; Superoxide dismutase; Tempol (Cuzzocrea, S. (390) 209)

 Ca^{2+} sensitivity

Myometrium (porcine); α_2 -Adrenoceptor; Clonidine; Ca^{2+} , intracellular; cAMP (Kitazawa, T. (390) 185)

Catecholamine release

Conotoxin; Neuronal nicotinic receptor; Acetylcholine receptor; Chromaffin cell; Nicotinic receptor antagonist (Broxton, N. (390) 229)

CCK₂ receptor antagonist

Fluoxetine; Conditioned place preference; Morphine; RB 120; CI 988 (Subhan, F. (390) 137)

Cerebrovascular constriction

Tamoxifen; Oxyhemoglobin; Protein kinase C (Wickman, G. (390) 181)

c-fos

Morphine withdrawal; Prostaglandin; Prostanoid EP₃ receptor; μ -Opioid receptor; Locus coeruleus (Nakagawa, T. (390) 257)

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)

Choline

Acetylcholine; Cortex, medial prefrontal; Norepinephrine; Serotonin (Hedou, G. (390) 127)

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)

Chromaffin cell

Conotoxin; Neuronal nicotinic receptor; Acetylcholine receptor; Nicotinic receptor antagonist; Catecholamine release (Broxton, N. (390) 229)

CI 988

Fluoxetine; Conditioned place preference; Morphine; RB 120; CCK₂ receptor antagonist (Subhan, F. (390) 137)

Clonidine

Myometrium (porcine); α_2 -Adrenoceptor; Ca^{2+} , intracellular; cAMP; Ca^{2+} sensitivity (Kitazawa, T. (390) 185)

Clozapine

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

Cocaine

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)

CO-induced amnesia

Neuroactive steroid; Pregnenolone; Dehydroepiandrosterone; Learning; Memory; (Mouse) (Maurice, T. (390) 145)

Conditioned place preference

Fluoxetine; Morphine; RB 120; CI 988; CCK₂ receptor antagonist (Subhan, F. (390) 137)

Conditioning

Cocaine; Motor activity; Dizocilpine (MK-801); D-CPPene (SDZ EAA 494); Memantine; ACEA-1021; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

Conotoxin

Neuronal nicotinic receptor; Acetylcholine receptor; Chromaffin cell; Nicotinic receptor antagonist; Catecholamine release (Broxton, N. (390) 229)

Contractility

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

Cortex

5-HT_{1A} receptor; EEDQ; [³⁵S]GTP γ S binding assay; Hippocampus; Receptor reserve; Spare receptor (Alper, R.H. (390) 67)

Cortex, medial prefrontal

Acetylcholine; Choline; Norepinephrine; Serotonin (Hedou, G. (390) 127)

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)

Cyclic peptide

Inflammation; Steroid-like anti-inflammatory action; *Streptomyces* product (Kuriyama, K. (390) 223)

Cyclooxygenase-2

Kainate; Excitotoxicity; Nimesulide; Oxidative stress; Hippocampus (Candelario-Jalil, E. (390) 295)

D-CPPene (SDZ EAA 494)

Cocaine; Motor activity; Conditioning; Dizocilpine (MK-801); Memantine; ACEA-1021; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

D-Fenfluramine

Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Dehydroepiandrosterone

CO-induced amnesia; Neuroactive steroid; Pregnenolone; Learning; Memory; (Mouse) (Maurice, T. (390) 145)

Desensitization

5-Hydroxytryptamine (5-HT, serotonin); Serum; T₈₄ cell (Burleigh, D. (390) 103)

Diabetes

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

Cardiac hypertrophy; Hyperglycaemia; Peroxisome proliferator-activated receptor γ (Bell, D. (390) 237)

Dizocilpine (MK-801)

Cocaine; Motor activity; Conditioning; D-CPPene (SDZ EAA 494); Memantine; ACEA-1021; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

Dopamine

Substance P; Neurotensin; Ibogaine; Cocaine; Methamphetamine; Drug abuse (Alburges, M.E. (390) 119)

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)

Drug abuse

Substance P; Neurotensin; Dopamine; Ibogaine; Cocaine; Methamphetamine (Alburges, M.E. (390) 119)

EDHF (endothelin-derived hyperpolarising factor)

Endothelium; P2 receptor; Purine; Pyrimidine; Vasodilatation (Malmström, M. (390) 173)

EEDQ

5-HT_{1A} receptor; [³⁵S]GTP γ S binding assay; Hippocampus; Cortex; Receptor reserve; Spare receptor (Alper, R.H. (390) 67)

Eliprodil

Cocaine; Motor activity; Conditioning; Dizocilpine (MK-801); D-CPPene (SDZ EAA 494); Memantine; ACEA-1021; (Rat) (Bespalov, A.Y. (390) 303)

Endothelial cell

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)

Endothelin

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

Endothelin-1

δ -Opioid receptor; Short-circuit current; Intestine, large (Gauthier, C. (390) 335)

Endothelium

EDHF (endothelin-derived hyperpolarising factor); P2 receptor; Purine; Pyrimidine; Vasodilatation (Malmström, M. (390) 173)

Harman; Vasorelaxant; Nitric oxide (NO) (Shi, C.-C. (390) 319)

Epithelial cell

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

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

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

Fenugreek seed

4-Hydroxyisoleucine; Insulin release; Structural analogue; Pancreas; (Rat) (Broca, C. (390) 339)

Fluoxetine

Conditioned place preference; Morphine; RB 120; CI 988; CCK₂ receptor antagonist (Subhan, F. (390) 137)

Focal ischemia

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

FRTL-5 thyroid cell

Adenosine A₁ receptor; ATP; Protein kinase C; Signal transduction (Vainio, M. (390) 43)

Gentamicin

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

Glutamate

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

Glutathione

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

Glycine_B receptor

7-Chlorokynurenate; Excitotoxicity; Neuroprotection (Wu, H.-Q. (390) 267)

Glycoprotein IIb/IIIa-inhibitor

Smooth muscle cell, Vascular; Endothelial cell; Integrin; Vitronectin; (Human) (Kintscher, U. (390) 75)

Goblet cell hypersecretion

Neutrophil elastase inhibitor; Ozone-exposure; Mucus score (Nogami, H. (390) 197)

G-protein

[³⁵S]GTP γ S binding; Brain, human; α_2 -Adrenoceptor; 5-HT_{1A} receptor; μ -Opioid receptor (González-Maeso, J. (390) 25)

Haloperidol

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Harman

Vasorelaxant; Endothelium; Nitric oxide (NO) (Shi, C.-C. (390) 319)

HEK293 cell

Melatonin receptor; cAMP response element; Luciferase; Reporter gene assay (Conway, S. (390) 15)

Hippocampus

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)

Hot plate test

NT(8–13); NT69L (Tyler-McMahon, B.M. (390) 107)

5-HT_{1A} receptor

[³⁵S]GTPγS binding; Brain, human; α₂-Adrenoceptor; μ-Opioid receptor; G-protein (González-Maeso, J. (390) 25)

5-HT_{1A} receptor

EEDQ; [³⁵S]GTPγS 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)

4-Hydroxyisoleucine

Insulin release; Structural analogue; Fenugreek seed; Pancreas; (Rat) (Broca, C. (390) 339)

5-Hydroxytryptamine (5-HT, serotonin)

Desensitization; Serum; T₈₄ cell (Burleigh, D. (390) 103)

Hyperglycaemia

Cardiac hypertrophy; Diabetes; Peroxisome proliferator-activated receptor γ (Bell, D. (390) 237)

Hypothalamus

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

Hypothermia

D-Fenfluramine; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Ibogaine

Substance P; Neurotensin; Dopamine; Cocaine; Methamphetamine; Drug abuse (Alburges, M.E. (390) 119)

Inflammation

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)

Insulin release

4-Hydroxyisoleucine; Structural analogue; Fenugreek seed; Pancreas; (Rat) (Broca, C. (390) 339)

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)

Intestine, large

δ-Opioid receptor; Short-circuit current; Endothelin-1 (Gauthier, C. (390) 335)

Ischemia

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

Kainate

Excitotoxicity; Cyclooxygenase-2; Nimesulide; Oxidative stress; Hippocampus (Candelario-Jalil, E. (390) 295)

K_{ATP} channel

Anaesthetic volatile; Action potential; Arrhythmia; Myocyte; Patch clamp (Terrenoire, C. (390) 95)

Ketamine

Synaptic plasticity; Long-term potentiation; Primed-burst stimulation; Visual cortex (Salami, M. (390) 287)

Ketanserin

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

L-arginine

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

Learning

CO-induced amnesia; Neuroactive steroid; Pregnenolone; Dehydroepiandrosterone; Memory; (Mouse) (Maurice, T. (390) 145)

Ligand binding

Receptor expression; cAMP; mRNA detection (Dautzenberg, F.M. (390) 51)

Locus coeruleus

Morphine withdrawal; Prostaglandin; Prostanoid EP₃ receptor; μ-Opioid receptor; *c-fos* (Nakagawa, T. (390) 257)

Long-term potentiation

Synaptic plasticity; Primed-burst stimulation; Visual cortex; Ketamine (Salami, M. (390) 287)

Luciferase

Melatonin receptor; cAMP response element; Reporter gene assay; HEK293 cell (Conway, S. (390) 15)

Melatonin

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

Melatonin receptor

cAMP response element; Luciferase; Reporter gene assay; HEK293 cell (Conway, S. (390) 15)

Memantine

Cocaine; Motor activity; Conditioning; Dizocilpine (MK-801); D-CPPene (SDZ EAA 494); ACEA-1021; Eliprodil; (Rat) (Bespalov, A.Y. (390) 303)

Memory

CO-induced amnesia; Neuroactive steroid; Pregnenolone; Dehydroepiandrosterone; Learning; (Mouse) (Maurice, T. (390) 145)

Mesangial cell, rat

Biscoclaurine alkaloid; (PDGF) Platelet-derived growth factor; (TGF- β) Transforming growth factor- β (Hayama, M. (390) 37)

Methamphetamine

Substance P; Neurotensin; Dopamine; Ibogaine; Cocaine; Drug abuse (Alburges, M.E. (390) 119)

p38 Mitogen-activated protein kinase

Neutrophils, rat; Tyrosine kinase; Protein kinase C; Phospholipase C; Ca²⁺, cytosolic-free (Chang, L.-C. (390) 61)

Morphine

Fluoxetine; Conditioned place preference; RB 120; CI 988; CCK₂ receptor antagonist (Subhan, F. (390) 137)

Morphine withdrawal

Prostaglandin; Prostanoid EP₃ receptor; μ -Opioid receptor; c-fos; Locus coeruleus (Nakagawa, T. (390) 257)

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)

mRNA detection

Receptor expression; Ligand binding; cAMP (Dautzenberg, F.M. (390) 51)

Mucus score

Neutrophil elastase inhibitor; Ozone-exposure; Goblet cell hypersecretion (Nogami, H. (390) 197)

Muscarinic receptor

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

Myocyte

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

Myometrium (porcine)

α_2 -Adrenoceptor; Clonidine; Ca²⁺, intracellular; cAMP; Ca²⁺ sensitivity (Kitazawa, T. (390) 185)

L-NAME (N^ω-nitro-L-arginine methyl ester)

Renal failure; Gentamicin; Nitric oxide (NO); L-arginine; (Rat) (Can, C. (390) 327)

Neuroactive steroid

CO-induced amnesia; Pregnenolone; Dehydroepiandrosterone; Learning; Memory; (Mouse) (Maurice, T. (390) 145)

Neuromuscular junction

Alzheimer's disease; Cholinergic; Exocytosis; Oocyte; Synaptic vesicle; Tacrine; (*Torpedo marmorata*); (*Xenopus laevis*) (Ros, E. (390) 7)

Neuronal nicotinic receptor

Conotoxin; Acetylcholine receptor; Chromaffin cell; Nicotinic receptor antagonist; Catecholamine release (Broxton, N. (390) 229)

Neuroprotection

7-Chlorokynurenate; Excitotoxicity; Glycine_B receptor (Wu, H.-Q. (390) 267)

Neurotensin

Substance P; Dopamine; Ibogaine; Cocaine; Methamphetamine; Drug abuse (Alburges, M.E. (390) 119)

Neutrophil elastase inhibitor

Ozone-exposure; Mucus score; Goblet cell hypersecretion (Nogami, H. (390) 197)

Neutrophils, rat

p38 Mitogen-activated protein kinase; Tyrosine kinase; Protein kinase C; Phospholipase C; Ca²⁺, cytosolic-free (Chang, L.-C. (390) 61)

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)

Nicotinic receptor antagonist

Conotoxin; Neuronal nicotinic receptor; Acetylcholine receptor; Chromaffin cell; Catecholamine release (Broxton, N. (390) 229)

Nimesulide

Kainate; Excitotoxicity; Cyclooxygenase-2; Oxidative stress; Hippocampus (Candelario-Jalil, E. (390) 295)

Nitric oxide (NO)

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)

Norepinephrine

Acetylcholine; Choline; Cortex, medial prefrontal; Serotonin (Hedou, G. (390) 127)

NT(8–13)

NT69L; Hot plate test (Tyler-McMahon, B.M. (390) 107)

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NT(8–13); Hot plate test (Tyler-McMahon, B.M. (390) 107)

Olanzapine

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

Oocyte

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

 δ -Opioid receptor

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)

 μ -Opioid receptor

[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)

Oxidative stress

Kainate; Excitotoxicity; Cyclooxygenase-2; Nimesulide; Hippocampus (Candelario-Jalil, E. (390) 295)

Oxyhemoglobin

Cerebrovascular constriction; Tamoxifen; Protein kinase C (Wickman, G. (390) 181)

Ozone-exposure

Neutrophil elastase inhibitor; Mucus score; Goblet cell hypersecretion (Nogami, H. (390) 197)

PAF acetylhydrolase

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

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Pancreas

4-Hydroxyisoleucine; Insulin release; Structural analogue; Fenugreek seed; (Rat) (Broca, C. (390) 339)

Papillary muscle

Adrenomedullin; Contractility; cAMP (Ihara, T. (390) 167)

Parachlorophenylalanine

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Patch clamp

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

Peroxisome proliferator-activated receptor γ

Cardiac hypertrophy; Diabetes; Hyperglycaemia (Bell, D. (390) 237)

Peroxynitrite

Carrageenan; Inflammation; Nitric oxide (NO); Superoxide dismutase; Tempol (Cuzzocrea, S. (390) 209)

Phorbol-12, 13-dibutyrate

Bradykinin; Thermal hyperalgesia; Protein kinase C; Calphostin C; Diabetes; (Mouse) (Kamei, J. (390) 113)

Phospholipase C

Neutrophils, rat; p38 Mitogen-activated protein kinase; Tyrosine kinase; Protein kinase C; Ca²⁺, cytosolic-free (Chang, L.-C. (390) 61)

(PDGF) Platelet-derived growth factor

Bisococlaurine alkaloid; (TGF- β) Transforming growth factor- β ; Mesangial cell, rat (Hayama, M. (390) 37)

P2 receptor

EDHF (endothelin-derived hyperpolarising factor); Endothelium; Purine; Pyrimidine; Vasodilatation (Malmjö, M. (390) 173)

Pregnenolone

CO-induced amnesia; Neuroactive steroid; Dehydroepiandrosterone; Learning; Memory; (Mouse) (Maurice, T. (390) 145)

Primed-burst stimulation

Synaptic plasticity; Long-term potentiation; Visual cortex; Ketamine (Salami, M. (390) 287)

Prostaglandin

Morphine withdrawal; Prostanoid EP₃ receptor; μ -Opioid receptor; *c-fos*; Locus coeruleus (Nakagawa, T. (390) 257)

Prostanoid EP₃ receptor

Morphine withdrawal; Prostaglandin; μ -Opioid receptor; *c-fos*; Locus coeruleus (Nakagawa, T. (390) 257)

Protein kinase

CREB (cAMP responsive element binding protein); δ -Opioid receptor; DPDPE ([D-Pen^{2,3}]enkephalin), Morphine; NG108-15 neuroblastoma (Bilecki, W. (390) 1)

Protein kinase C

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)

Purine

EDHF (endothelin-derived hyperpolarising factor); Endothelium; P2 receptor; Pyrimidine; Vasodilatation (Malmjö, M. (390) 173)

Pyrimidine

EDHF (endothelin-derived hyperpolarising factor); Endothelium; P2 receptor; Purine; Vasodilatation (Malmjö, M. (390) 173)

RB 120

Fluoxetine; Conditioned place preference; Morphine; CI 988; CCK₂ receptor antagonist (Subhan, F. (390) 137)

Receptor expression

Ligand binding; cAMP; mRNA detection (Dautzenberg, F.M. (390) 51)

Receptor reserve

5-HT_{1A} receptor; EEDQ; [³⁵S]GTP γ S binding assay; Hippocampus; Cortex; Spare receptor (Alper, R.H. (390) 67)

Renal failure

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

Reperfusion

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

Reporter gene assay

Melatonin receptor; cAMP response element; Luciferase; HEK293 cell (Conway, S. (390) 15)

RO 43-0440

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Serine protease inhibitor

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

Serotonin

Acetylcholine; Choline; Cortex, medial prefrontal; Norepinephrine (Hedou, G. (390) 127)

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)

[³⁵S]GTPγS binding

Brain, human; α₂-Adrenoceptor; 5-HT_{1A} receptor; μ-Opioid receptor; G-protein (González-Maeso, J. (390) 25)

[³⁵S]GTPγS binding assay

5-HT_{1A} receptor; EEDQ; Hippocampus; Cortex; Receptor reserve; Spare receptor (Alper, R.H. (390) 67)

Short-circuit current

δ-Opioid receptor; Endothelin-1; Intestine, large (Gauthier, C. (390) 335)

Signal transduction

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

Sleep deprivation

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

Smooth muscle cell, Vascular

Endothelial cell; Integrin; Vitronectin; Glycoprotein IIb/IIIa-inhibitor; (Human) (Kintscher, U. (390) 75)

Spare receptor

5-HT_{1A} receptor; EEDQ; [³⁵S]GTPγS binding assay; Hippocampus; Cortex; Receptor reserve (Alper, R.H. (390) 67)

Steroid-like anti-inflammatory action

Inflammation; Cyclic peptide; *Streptomyce* product (Kuriyama, K. (390) 223)

***Streptomyce* product**

Inflammation; Steroid-like anti-inflammatory action; Cyclic peptide (Kuriyama, K. (390) 223)

Stroke

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

Structural analogue

4-Hydroxyisoleucine; Insulin release; Fenugreek seed; Pancreas; (Rat) (Broca, C. (390) 339)

Substance P

Neurotensin; Dopamine; Ibogaine; Cocaine; Methamphetamine; Drug abuse (Alburges, M.E. (390) 119)

Sulpiride

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Yohimbine (Cryan, J.F. (390) 275)

Superoxide dismutase

Carrageenan; Inflammation; Nitric oxide (NO); Peroxynitrite; Tempol (Cuzzocrea, S. (390) 209)

Synaptic plasticity

Long-term potentiation; Primed-burst stimulation; Visual cortex; Ketamine (Salami, M. (390) 287)

Synaptic vesicle

Alzheimer's disease; Cholinergic; Exocytosis; Neuromuscular junction; Oocyte; Tacrine; (*Torpedo marmorata*); (*Xenopus laevis*) (Ros, E. (390) 7)

Tacrine

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

Tamoxifen

Cerebrovascular constriction; Oxyhemoglobin; Protein kinase C (Wickman, G. (390) 181)

T₈₄ cell

5-Hydroxytryptamine (5-HT, serotonin); Desensitization; Serum (Burleigh, D. (390) 103)

Tempol

Carrageenan; Inflammation; Nitric oxide (NO); Peroxynitrite; Superoxide dismutase (Cuzzocrea, S. (390) 209)

Thermal hyperalgesia

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

TNF (tumor necrosis factor) receptor

Endothelin; Endothelial cell; Epithelial cell; Inflammation; Atherosclerosis (Lees, D.M. (390) 89)

(TGF-β) Transforming growth factor-β

Biscoclaurine alkaloid; (PDGF) Platelet-derived growth factor; Mesangial cell, rat (Hayama, M. (390) 37)

Tyrosine kinase

Neutrophils, rat; p38 Mitogen-activated protein kinase; Protein kinase C; Phospholipase C; Ca²⁺, cytosolic-free (Chang, L.-C. (390) 61)

Vasodilatation

EDHF (endothelin-derived hyperpolarising factor); Endothelium; P2 receptor; Purine; Pyrimidine (Malmsjö, M. (390) 173)

Vasorelaxant

Harman; Endothelium; Nitric oxide (NO) (Shi, C.-C. (390) 319)

Ventricular function, dog

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

Visual cortex

Synaptic plasticity; Long-term potentiation; Primed-burst stimulation; Ketamine (Salami, M. (390) 287)

Vitronectin

Smooth muscle cell, Vascular; Endothelial cell; Integrin; Glycoprotein IIb/IIIa-inhibitor; (Human) (Kintscher, U. (390) 75)

WAY 100635

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride; Yohimbine (Cryan, J.F. (390) 275)

Yohimbine

D-Fenfluramine; Hypothermia; 5-HT_{1A} receptor; Sertraline; WAY 100635; RO 43-0440; Ketanserin; Parachlorophenylalanine; Haloperidol; Sulpiride (Cryan, J.F. (390) 275)