

Keyword index

Acetylcholine

Acoustic startle response; Carbachol; Prepulse inhibition; Scopolamine; (Rat) (Fendt, M. (370) 101)

Acoustic startle response

Acetylcholine; Carbachol; Prepulse inhibition; Scopolamine; (Rat) (Fendt, M. (370) 101)

Action potential

Papillary muscle; Ventricular myocyte guinea pig; K^+ current; Ca^{2+} current (Jones, S.E. (370) 319)

Acute lung injury

Selectin; Anti-P-selectin antibody; Sialyl Lewis X; Lipopolysaccharide (Hayashi, H. (370) 47)

Adenylyl cyclase

Sabcomeline; Cortex, rat; Heart, rat; Radioligand binding; [35 S]GTP γ S binding; Phosphoinositide hydrolysis (Watson, J.M. (370) 69)

α_{1A} -Adrenoceptor

Isoform; Noradrenaline; Prazosin; Inositol phosphate; RS-17053; Tamsulosin (Daniels, D.V. (370) 337)

β -Adrenoceptor

Smooth muscle; Urinary bladder, guinea-pig; Ca^{2+} channel; Phosphorylation; Open state (Smith, L.M. (370) 187)

Adrenomedullin

Hyaluronic acid; P38 Mitogen-activated protein kinase; SB203580; Wortmannin; Renal glomerular (Parameswaran, N. (370) 313)

Airway

Angiotensin-converting enzyme; Bronchial epithelial cell; Angiotensin II; Bradykinin (Takimoto, M. (370) 169)

Alcoholism

CP-94,253; DOI (2,5-dimethoxy-4 iodophenyl); Fluoxetine; mCPP (3-chlorophenyl); 5-HT $_{1B}$ receptor; 5-HT $_{2A}$ receptor; 5-HT $_{2C}$ receptor (Maurel, S. (370) 217)

Angiotensin-converting enzyme

Airway; Bronchial epithelial cell; Angiotensin II; Bradykinin (Takimoto, M. (370) 169)

Angiotensin II

Angiotensin-converting enzyme; Airway; Bronchial epithelial cell; Bradykinin (Takimoto, M. (370) 169)

ANP (Atrial natriuretic peptide)

BNP (Brain natriuretic peptide); Kidney epithelial cell line (LLC-PK $_1$); Neutral endopeptidase; Phosphoramidon; Thiorphan (Ozaki, J. (370) 307)

Antigen-induced pulmonary reaction

Cysteinyl-leukotriene; Leukotriene B $_4$ (Sakurada, T. (370) 153)

Antinociception

Nerve injury; Neuropathic pain; Opioid; Spinal cord (Xu, I.S. (370) 17)

Nociceptin/orphanin FQ; Substance P; Capsaicin; Diabetes (Kamei, J. (370) 109)

Antioxidant

Reactive oxygen species; Glutamate synapse; Prostaglandin H synthase 2; Nitric oxide (NO); Catecholamine *o*-quinone (Smythies, J. (370) 1)

Anti-P-selectin antibody

Selectin; Sialyl Lewis X; Acute lung injury; Lipopolysaccharide (Hayashi, H. (370) 47)

Antipsychotic

[14 C]2-Deoxyglucose; Glucose utilization; Hippocampus; Risperidone; Mediodorsal thalamus (Huang, Y.-H. (370) 257)

Antithrombin III

Endothelin; Ca^{2+} channel, L-type; Protein kinase; Lung, rat (Stangl, K. (370) 57)

Apoptosis

Fluvastatin; Atherosclerosis; B cell leukemia-2 (Buemi, M. (370) 201)

Chick neuron; NGF (nerve growth factor); Neuroprotection; Serum deprivation; 5-HT $_{1A}$ receptor agonist (Ahlemeyer, B. (370) 211)

Arachidonic acid

Cell proliferation; Eicosanoids; Growth factors; Cyclooxygenase (Sánchez, T. (370) 63)

Idebenone; Neuroprotection; Cyclooxygenase; Lipoxigenase; Astrocyte (Civenni, G. (370) 161)

Astrocyte

Idebenone; Neuroprotection; Arachidonic acid; Cyclooxygenase; Lipoxigenase (Civenni, G. (370) 161)

Atherosclerosis

Fluvastatin; Apoptosis; B cell leukemia-2 (Buemi, M. (370) 201)

Atropine

L-NAME (*N* G -nitro-L-arginine methylester); Ileum, guinea-pig, rat, rabbit, mouse (Barthó, L. (370) 279)

Basal forebrain

Nucleus basalis magnocellularis; Dimethyl-C7; Tachykinin NK $_1$ receptor antagonist; WIN51,708; Reinforcement; Place conditioning (Nikolaus, S. (370) 93)

Basal ganglion

Cocaine; GBR 12909; Dopamine D $_1$ receptor; Dopamine D $_2$ receptor; Haloperidol (Shi, X. (370) 241)

B cell leukemia-2

Fluvastatin; Apoptosis; Atherosclerosis (Buemi, M. (370) 201)

Beer

Cannabinoid; Cannabis; Naloxone; Sucrose; SR 141716; CP 55,940; Self-administration (Gallate, J.E. (370) 233)

BNP (Brain natriuretic peptide)

ANP (Atrial natriuretic peptide); Kidney epithelial cell line (LLC-PK₁); Neutral endopeptidase; Phosphoramidon; Thiorphan (Ozaki, J. (370) 307)

Bradykinin

Angiotensin-converting enzyme; Airway; Bronchial epithelial cell; Angiotensin II (Takimoto, M. (370) 169)

Bronchial epithelial cell

Angiotensin-converting enzyme; Airway; Angiotensin II; Bradykinin (Takimoto, M. (370) 169)

Brown adipose tissue

Clofibrate; Malic enzyme; Fatty acid synthase; mRNA; Lipogenesis; Liver; White adipose tissue; (Rat) (Karbowska, J. (370) 329)

Ca²⁺ channel

Smooth muscle; Urinary bladder, guinea-pig; β -Adrenoceptor; Phosphorylation; Open state (Smith, L.M. (370) 187)

Ca²⁺ channel, L-type

Antithrombin III; Endothelin; Protein kinase; Lung, rat (Stangl, K. (370) 57)

Ca²⁺ current

Papillary muscle; Action potential; Ventricular myocyte guinea pig; K⁺ current (Jones, S.E. (370) 319)

Calmodulin antagonist

DY-9760e; Ischemia, transient, focal; Cerebral infarction; Fodrin (Sato, T. (370) 117)

Cannabinoid

Cannabis; Beer; Naloxone; Sucrose; SR 141716; CP 55,940; Self-administration (Gallate, J.E. (370) 233)

Cannabis

Cannabinoid; Beer; Naloxone; Sucrose; SR 141716; CP 55,940; Self-administration (Gallate, J.E. (370) 233)

Capsaicin

Antinociception; Nociceptin/orphanin FQ; Substance P; Diabetes (Kamei, J. (370) 109)

Carbachol

Acetylcholine; Acoustic startle response; Prepulse inhibition; Scopolamine; (Rat) (Fendt, M. (370) 101)

Hypoxia; Endothelium-dependent relaxation (Jarajapu, Y.P.R. (370) R1)

Cardiac function control

Luminal endothelial receptor; Endothelial control; Parenchymal function; Endothelial mediator; Nitric oxide (NO); Prostaglandins, endothelial hyperpolarizing factor (Rubio, R. (370) 27)

Carrageenin-induced inflammation

c-Fos; Spinal cord; κ -Opioid receptor agonist; U-69,593 (Catheline, G. (370) 287)

Catecholamine o-quinone

Reactive oxygen species; Antioxidant; Glutamate synapse; Prostaglandin H synthase 2; Nitric oxide (NO) (Smythies, J. (370) 1)

[¹⁴C]2-Deoxyglucose

Antipsychotic; Glucose utilization; Hippocampus; Risperidone; Mediodorsal thalamus (Huang, Y.-H. (370) 257)

Cell proliferation

Arachidonic acid; Eicosanoids; Growth factors; Cyclooxygenase (Sánchez, T. (370) 63)

Cerebellum, human

σ_1 receptor-like site; Dopamine D₄ receptor; U-101958; SK-N-MC neuroblastoma (Helmeste, D.M. (370) 205)

Cerebral infarction

DY-9760e; Calmodulin antagonist; Ischemia, transient, focal; Fodrin (Sato, T. (370) 117)

Chick neuron

Apoptosis; NGF (nerve growth factor); Neuroprotection; Serum deprivation; 5-HT_{1A} receptor agonist (Ahlemeyer, B. (370) 211)

Cholestasis

Gastric damage; Nitric oxide (NO) (Nahavandi, A. (370) 283)

Chondrocyte

Esculetin; 6,7-Dihydroxycoumarin; Proteoglycan; Osteoarthritis; Matrix metalloproteinase (Watanabe, K. (370) 297)

Clofibrate

Malic enzyme; Fatty acid synthase; mRNA; Lipogenesis; Brown adipose tissue; Liver; White adipose tissue; (Rat) (Karbowska, J. (370) 329)

Cocaine

Toxicity; Convulsion; Psychomotor; Locomotor; σ Receptor (McCracken, K.A. (370) 225)

GBR 12909; Dopamine D₁ receptor; Dopamine D₂ receptor; Haloperidol; Basal ganglion (Shi, X. (370) 241)

Convulsion

Cocaine; Toxicity; Psychomotor; Locomotor; σ Receptor (McCracken, K.A. (370) 225)

Coronary artery, bovine

Guanylyl cyclase soluble; Protein kinase G; Glyceryl trinitrate; S-Nitroso-N-acetylpenicillamine; Tolerance (De la Lande, I.S. (370) 39)

Coronary circulation

Perhexiline; Endothelium; Nitric oxide (NO); EDHF (endothelium-derived hyperpolarising factor) (Kennedy, J.A. (370) 263)

Cortex, rat

Sabcomeline; Heart, rat; Radioligand binding; [³⁵S]GTP γ S binding; Phosphoinositide hydrolysis; Adenylyl cyclase (Watson, J.M. (370) 69)

CP-94,253

Alcoholism; DOI (2,5-dimethoxy-4 iodophenyl); Fluoxetine; mCPP (3-chlorophenyl); 5-HT_{1B} receptor; 5-HT_{2A} receptor; 5-HT_{2C} receptor (Maurel, S. (370) 217)

CP 55,940

Cannabinoid; Cannabis; Beer; Naloxone; Sucrose; SR 141716; Self-administration (Gallate, J.E. (370) 233)

mCPP (3-chlorophenyl)

Alcoholism; CP-94,253; DOI (2,5-dimethoxy-4 iodophenyl); Fluoxetine; 5-HT_{1B} receptor; 5-HT_{2A} receptor; 5-HT_{2C} receptor (Maurel, S. (370) 217)

Cyclooxygenase

Cell proliferation; Arachidonic acid; Eicosanoids; Growth factors (Sánchez, T. (370) 63)

Idebenone; Neuroprotection; Arachidonic acid; Lipoxygenase; Astrocyte (Civenni, G. (370) 161)

Cysteinyl-leukotriene

Leukotriene B₄; Antigen-induced pulmonary reaction (Sakurada, T. (370) 153)

Cytoskeleton

Taxol (paclitaxel); Glycolysis; Melanoma; Glucose 1,6-bisphosphate; Fructose 1,6-bisphosphate (Glass-Marmor, L. (370) 195)

Desensitization

M2 transmembrane segment; Ligand-gated; GABA_A receptor, human; Sf9 cell; Receptor assembly (Dalziel, J.E. (370) 345)

Diabetes

Antinociception; Nociceptin/orphanin FQ; Substance P; Capsaicin (Kamei, J. (370) 109)

6,7-Dihydroxycoumarin

Esculetin; Proteoglycan; Chondrocyte; Osteoarthritis; Matrix metalloproteinase (Watanabe, K. (370) 297)

Dimethyl-C7

Basal forebrain; Nucleus basalis magnocellularis; Tachykinin NK₁ receptor antagonist; WIN51,708; Reinforcement; Place conditioning (Nikolaus, S. (370) 93)

DOI (2,5-dimethoxy-4 iodophenyl)

Alcoholism; CP-94,253; Fluoxetine; mCPP (3-chlorophenyl); 5-HT_{1B} receptor; 5-HT_{2A} receptor; 5-HT_{2C} receptor (Maurel, S. (370) 217)

DOPA (dihydroxyphenylalanine)

Glucocorticoid; Dopamine; Natriuresis; Renal function (Aguirre, J.A. (370) 271)

Dopamine

Glucocorticoid; Natriuresis; Renal function; DOPA (dihydroxyphenylalanine) (Aguirre, J.A. (370) 271)

Dopamine D₄ receptor

σ₁ receptor-like site; U-101958; Cerebellum, human; SK-N-MC neuroblastoma (Helmeste, D.M. (370) 205)

Dopamine D₁ receptor

Cocaine; GBR 12909; Dopamine D₂ receptor; Haloperidol; Basal ganglion (Shi, X. (370) 241)

Dopamine D₂ receptor

Cocaine; GBR 12909; Dopamine D₁ receptor; Haloperidol; Basal ganglion (Shi, X. (370) 241)

Dopamine release

Dopamine uptake; Dopamine synthesis; Microdialysis; Voltammetry, cyclic; Tolcapone; GBR 12909 (Budygin, E.A. (370) 125)

Dopamine synthesis

Dopamine release; Dopamine uptake; Microdialysis; Voltammetry, cyclic; Tolcapone; GBR 12909 (Budygin, E.A. (370) 125)

Dopamine uptake

Dopamine release; Dopamine synthesis; Microdialysis; Voltammetry, cyclic; Tolcapone; GBR 12909 (Budygin, E.A. (370) 125)

DY-9760e

Calmodulin antagonist; Ischemia, transient, focal; Cerebral infarction; Fodrin (Sato, T. (370) 117)

EDHF (endothelium-derived hyperpolarising factor)

Perhexiline; Coronary circulation; Endothelium; Nitric oxide (NO) (Kennedy, J.A. (370) 263)

Eicosanoids

Cell proliferation; Arachidonic acid; Growth factors; Cyclooxygenase (Sánchez, T. (370) 63)

Endothelial control

Luminal endothelial receptor; Parenchymal function; Endothelial mediator; Nitric oxide (NO); Prostaglandins, endothelial hyperpolarizing factor; Cardiac function control (Rubio, R. (370) 27)

Endothelial mediator

Luminal endothelial receptor; Endothelial control; Parenchymal function; Nitric oxide (NO); Prostaglandins, endothelial hyperpolarizing factor; Cardiac function control (Rubio, R. (370) 27)

Endothelin

Antithrombin III; Ca²⁺ channel, L-type; Protein kinase; Lung, rat (Stangl, K. (370) 57)

Endothelium

Perhexiline; Coronary circulation; Nitric oxide (NO); EDHF (endothelium-derived hyperpolarising factor) (Kennedy, J.A. (370) 263)

Endothelium-dependent relaxation

Hypoxia; Carbachol (Jarajapu, Y.P.R. (370) R1)

Esculetin

6,7-Dihydroxycoumarin; Proteoglycan; Chondrocyte; Osteoarthritis; Matrix metalloproteinase (Watanabe, K. (370) 297)

Ethanol

Midazolam; Hyperalgesia; Flumazenil; Picrotoxin; GABA_A receptor (Tatsuo, M.A.K.F. (370) 9)

Excitatory amino acid receptor agonist

3-Nitropropionic acid; Mitochondrial toxin; Seizure; Excitatory amino acid receptor antagonist; NMDA receptor; Non-NMDA receptor (Urbanska, E.M. (370) 251)

Excitatory amino acid receptor antagonist

3-Nitropropionic acid; Mitochondrial toxin; Seizure; Excitatory amino acid receptor agonist; NMDA receptor; Non-NMDA receptor (Urbanska, E.M. (370) 251)

Excitotoxicity

TRH (thyrotropin-releasing hormone); Neuroprotection; NMDA (N-methyl-D-aspartate); Hippocampus (Pizzi, M. (370) 133)

Fatty acid synthase

Clofibrate; Malic enzyme; mRNA; Lipogenesis; Brown adipose tissue; Liver; White adipose tissue; (Rat) (Karbowska, J. (370) 329)

Flumazenil

Midazolam; Ethanol; Hyperalgesia; Picrotoxin; GABA_A receptor (Tatsuo, M.A.K.F. (370) 9)

Fluoxetine

Alcoholism; CP-94,253; DOI (2,5-dimethoxy-4 iodophenyl); mCPP (3-chlorophenyl); 5-HT_{1B} receptor; 5-HT_{2A} receptor; 5-HT_{2C} receptor (Maurel, S. (370) 217)

Fluvastatin

Apoptosis; Atherosclerosis; B cell leukemia-2 (Buemi, M. (370) 201)

Fodrin

DY-9760e; Calmodulin antagonist; Ischemia, transient, focal; Cerebral infarction (Sato, T. (370) 117)

c-Fos

Spinal cord; κ -Opioid receptor agonist; U-69,593; Carrageenin-induced inflammation (Catheline, G. (370) 287)

Fructose 1,6-bisphosphate

Taxol (paclitaxel); Glycolysis; Melanoma; Cytoskeleton; Glucose 1,6-bisphosphate (Glass-Marmor, L. (370) 195)

GABA_A receptor

Midazolam; Ethanol; Hyperalgesia; Flumazenil; Picrotoxin (Tatsuo, M.A.K.F. (370) 9)

GABA_A receptor, human

M2 transmembrane segment; Ligand-gated; *Sf9* cell; Desensitization; Receptor assembly (Dalziel, J.E. (370) 345)

Gastric damage

Cholestasis; Nitric oxide (NO) (Nahavandi, A. (370) 283)

GBR 12909

Dopamine release; Dopamine uptake; Dopamine synthesis; Microdialysis; Voltammetry, cyclic; Tolcapone (Budygin, E.A. (370) 125)

Cocaine; Dopamine D₁ receptor; Dopamine D₂ receptor; Haloperidol; Basal ganglion (Shi, X. (370) 241)

Glucocorticoid

Dopamine; Natriuresis; Renal function; DOPA (dihydroxyphenylalanine) (Aguirre, J.A. (370) 271)

Glucose 1,6-bisphosphate

Taxol (paclitaxel); Glycolysis; Melanoma; Cytoskeleton; Fructose 1,6-bisphosphate (Glass-Marmor, L. (370) 195)

Glucose utilization

[¹⁴C]2-Deoxyglucose; Antipsychotic; Hippocampus; Risperidone; Mediodorsal thalamus (Huang, Y.-H. (370) 257)

Glutamate synapse

Reactive oxygen species; Antioxidant; Prostaglandin H synthase 2; Nitric oxide (NO); Catecholamine *o*-quinone (Smythies, J. (370) 1)

Glyburide

K⁺ channel, ATP-sensitive; TE671 medulloblastoma cell; Sulfonylurea receptor; K⁺ channel, inward rectifying (Miller, T.R. (370) 179)

Glyceryl trinitrate

Coronary artery, bovine; Guanylyl cyclase soluble; Protein kinase G; *S*-Nitroso-*N*-acetylpenicillamine; Tolerance (De la Lande, I.S. (370) 39)

Glycolysis

Taxol (paclitaxel); Melanoma; Cytoskeleton; Glucose 1,6-bisphosphate; Fructose 1,6-bisphosphate (Glass-Marmor, L. (370) 195)

GR46611

5-HT_{1B/D} receptor; Locomotor activity; 8-OH-DPAT (*R*(+)-8-Hydroxy-dipropylaminotetralin HBr); (Guinea pig) (O'Neill, M.F. (370) 85)

Growth factors

Cell proliferation; Arachidonic acid; Eicosanoids; Cyclooxygenase (Sánchez, T. (370) 63)

Guanylyl cyclase soluble

Coronary artery, bovine; Protein kinase G; Glyceryl trinitrate; *S*-Nitroso-*N*-acetylpenicillamine; Tolerance (De la Lande, I.S. (370) 39)

Haloperidol

Cocaine; GBR 12909; Dopamine D₁ receptor; Dopamine D₂ receptor; Basal ganglion (Shi, X. (370) 241)

Heart, rat

Sabcomeline; Cortex, rat; Radioligand binding; [³⁵S]GTPγS binding; Phosphoinositide hydrolysis; Adenylyl cyclase (Watson, J.M. (370) 69)

Hippocampus

TRH (thyrotropin-releasing hormone); Neuroprotection; NMDA (*N*-methyl-D-aspartate); Excitotoxicity (Pizzi, M. (370) 133)

[¹⁴C]2-Deoxyglucose; Antipsychotic; Glucose utilization; Risperidone; Mediodorsal thalamus (Huang, Y.-H. (370) 257)

5-HT (5-hydroxytryptamine, serotonin) carrier

(±)-Tramadol; 5-HT (5-hydroxytryptamine, serotonin) release; Synaptosome (Gobbi, M. (370) 23)

5-HT (5-hydroxytryptamine, serotonin) release

(±)-Tramadol; 5-HT (5-hydroxytryptamine, serotonin) carrier; Synaptosome (Gobbi, M. (370) 23)

5-HT_{1B/D} receptor

Locomotor activity; GR46611; 8-OH-DPAT (*R*(+)-8-Hydroxy-dipropylaminotetralin HBr); (Guinea pig) (O'Neill, M.F. (370) 85)

5-HT_{1B} receptor

Alcoholism; CP-94,253; DOI (2,5-dimethoxy-4 iodophenyl); Fluoxetine; mCPP (3-chlorophenyl); 5-HT_{2A} receptor; 5-HT_{2C} receptor (Maurel, S. (370) 217)

5-HT_{2A} receptor

Alcoholism; CP-94,253; DOI (2,5-dimethoxy-4 iodophenyl); Fluoxetine; mCPP (3-chlorophenyl); 5-HT_{1B} receptor; 5-HT_{2C} receptor (Maurel, S. (370) 217)

5-HT_{2C} receptor

Alcoholism; CP-94,253; DOI (2,5-dimethoxy-4 iodophenyl); Fluoxetine; mCPP (3-chlorophenyl); 5-HT_{1B} receptor; 5-HT_{2A} receptor (Maurel, S. (370) 217)

5-HT_{1A} receptor agonist

Apoptosis; Chick neuron; NGF (nerve growth factor); Neuroprotection; Serum deprivation (Ahlemeyer, B. (370) 211)

Hyaluronic acid

Adrenomedullin; P38 Mitogen-activated protein kinase; SB203580; Wortmannin; Renal glomerular (Parameswaran, N. (370) 313)

Hyperalgesia

Midazolam; Ethanol; Flumazenil; Picrotoxin; GABA_A receptor (Tatsuo, M.A.K.F. (370) 9)

Hypoxia

Endothelium-dependent relaxation; Carbachol (Jarajapu, Y.P.R. (370) R1)

Idebenone

Neuroprotection; Arachidonic acid; Cyclooxygenase; Lipooxygenase; Astrocyte (Civenni, G. (370) 161)

Ileum, guinea-pig, rat, rabbit, mouse

L-NAME (*N*^G-nitro-L-arginine methylester); Atropine (Barthó, L. (370) 279)

Inositol phosphate

α_{1A} -Adrenoceptor; Isoform; Noradrenaline; Prazosin; RS-17053; Tamsulosin (Daniels, D.V. (370) 337)

Interferon- α

Permeability; Pulmonary hypertension; Thromboxane A₂; (Sheep) (Hanaoka, M. (370) 145)

Ischemia, transient, focal

DY-9760e; Calmodulin antagonist; Cerebral infarction; Fodrin (Sato, T. (370) 117)

Isoform

α_{1A} -Adrenoceptor; Noradrenaline; Prazosin; Inositol phosphate; RS-17053; Tamsulosin (Daniels, D.V. (370) 337)

K⁺ channel, ATP-sensitive

TE671 medulloblastoma cell; Glyburide; Sulfonylurea receptor; K⁺ channel, inward rectifying (Miller, T.R. (370) 179)

K⁺ channel, inward rectifying

K⁺ channel, ATP-sensitive; TE671 medulloblastoma cell; Glyburide; Sulfonylurea receptor (Miller, T.R. (370) 179)

K⁺ current

Papillary muscle; Action potential; Ventricular myocyte guinea pig; Ca²⁺ current (Jones, S.E. (370) 319)

Kidney epithelial cell line (LLC-PK₁)

ANP (Atrial natriuretic peptide); BNP (Brain natriuretic peptide); Neutral endopeptidase; Phosphoramidon; Thiorphan (Ozaki, J. (370) 307)

Leukotriene B₄

Cysteinyl-leukotriene; Antigen-induced pulmonary reaction (Sakurada, T. (370) 153)

Ligand-gated

M2 transmembrane segment; GABA_A receptor, human; Sf9 cell; Desensitization; Receptor assembly (Dalziel, J.E. (370) 345)

Lipogenesis

Clofibrate; Malic enzyme; Fatty acid synthase; mRNA; Brown adipose tissue; Liver; White adipose tissue; (Rat) (Karbowska, J. (370) 329)

Lipopolysaccharide

Selectin; Anti-P-selectin antibody; Sialyl Lewis X; Acute lung injury (Hayashi, H. (370) 47)

Lipoxygenase

Idebenone; Neuroprotection; Arachidonic acid; Cyclooxygenase; Astrocyte (Civenni, G. (370) 161)

Liver

Clofibrate; Malic enzyme; Fatty acid synthase; mRNA; Lipogenesis; Brown adipose tissue; White adipose tissue; (Rat) (Karbowska, J. (370) 329)

Locomotor

Cocaine; Toxicity; Convulsion; Psychomotor; σ Receptor (McCracken, K.A. (370) 225)

Locomotor activity

5-HT_{1B/D} receptor; GR46611; 8-OH-DPAT (*R*(+)-8-Hydroxy-dipropylaminotetralin HBr); (Guinea pig) (O'Neill, M.F. (370) 85)

Luminal endothelial receptor

Endothelial control; Parenchymal function; Endothelial mediator; Nitric oxide (NO); Prostaglandins, endothelial hyperpolarizing factor; Cardiac function control (Rubio, R. (370) 27)

Lung, rat

Antithrombin III; Endothelin; Ca²⁺ channel, L-type; Protein kinase (Stangl, K. (370) 57)

Malic enzyme

Clofibrate; Fatty acid synthase; mRNA; Lipogenesis; Brown adipose tissue; Liver; White adipose tissue; (Rat) (Karbowska, J. (370) 329)

Matrix metalloproteinase

Esculetin; 6,7-Dihydroxycoumarin; Proteoglycan; Chondrocyte; Osteoarthritis (Watanabe, K. (370) 297)

Mediodorsal thalamus

[¹⁴C]2-Deoxyglucose; Antipsychotic; Glucose utilization; Hippocampus; Risperidone (Huang, Y.-H. (370) 257)

Melanoma

Taxol (paclitaxel); Glycolysis; Cytoskeleton; Glucose 1,6-bisphosphate; Fructose 1,6-bisphosphate (Glass-Marmor, L. (370) 195)

Microdialysis

Dopamine release; Dopamine uptake; Dopamine synthesis; Voltammetry, cyclic; Tolcapone; GBR 12909 (Budygin, E.A. (370) 125)

Midazolam

Ethanol; Hyperalgesia; Flumazenil; Picrotoxin; GABA_A receptor (Tatsuo, M.A.K.F. (370) 9)

Mitochondrial toxin

3-Nitropropionic acid; Seizure; Excitatory amino acid receptor agonist; Excitatory amino acid receptor antagonist; NMDA receptor; Non-NMDA receptor (Urbanska, E.M. (370) 251)

M2 transmembrane segment

Ligand-gated; GABA_A receptor, human; Sf9 cell; Desensitization; Receptor assembly (Dalziel, J.E. (370) 345)

Naloxone

Cannabinoid; Cannabis; Beer; Sucrose; SR 141716; CP 55,940; Self-administration (Gallate, J.E. (370) 233)

L-NAME (*N*^G-nitro-L-arginine methylester)

Atropine; Ileum, guinea-pig, rat, rabbit, mouse (Barthó, L. (370) 279)

Natriuresis

Glucocorticoid; Dopamine; Renal function; DOPA (dihydroxyphenylalanine) (Aguirre, J.A. (370) 271)

Nerve injury

Antinociception; Neuropathic pain; Opioid; Spinal cord (Xu, I.S. (370) 17)

Neurite outgrowth

1321N1 human astrocytoma cell; PC-12 cell; Scabronine; NGF (nerve growth factor); Neurotrophic factor (Obara, Y. (370) 79)

Neuropathic pain

Antinociception; Nerve injury; Opioid; Spinal cord (Xu, I.S. (370) 17)

Neuroprotection

TRH (thyrotropin-releasing hormone); NMDA (*N*-methyl-D-aspartate); Hippocampus; Excitotoxicity (Pizzi, M. (370) 133)

Idebenone; Arachidonic acid; Cyclooxygenase; Lipoxigenase; Astrocyte (Civenni, G. (370) 161)

Apoptosis; Chick neuron; NGF (nerve growth factor); Serum deprivation; 5-HT_{1A} receptor agonist (Ahlemeyer, B. (370) 211)

Neurotrophic factor

1321N1 human astrocytoma cell; PC-12 cell; Scabronine; NGF (nerve growth factor); Neurite outgrowth (Obara, Y. (370) 79)

Neutral endopeptidase

ANP (Atrial natriuretic peptide); BNP (Brain natriuretic peptide); Kidney epithelial cell line (LLC-PK₁); Phosphoramidon; Thiorphan (Ozaki, J. (370) 307)

NGF (nerve growth factor)

1321N1 human astrocytoma cell; PC-12 cell; Scabronine; Neurotrophic factor; Neurite outgrowth (Obara, Y. (370) 79)

Apoptosis; Chick neuron; Neuroprotection; Serum deprivation; 5-HT_{1A} receptor agonist (Ahlemeyer, B. (370) 211)

1321N1 human astrocytoma cell

PC-12 cell; Scabronine; NGF (nerve growth factor); Neurotrophic factor; Neurite outgrowth (Obara, Y. (370) 79)

Nitric oxide (NO)

Reactive oxygen species; Antioxidant; Glutamate synapse; Prostaglandin H synthase 2; Catecholamine *o*-quinone (Smythies, J. (370) 1)

Luminal endothelial receptor; Endothelial control; Parenchymal function; Endothelial mediator; Prostaglandins, endothelial hyperpolarizing factor; Cardiac function control (Rubio, R. (370) 27)

Perhexiline; Coronary circulation; Endothelium; EDHF (endothelium-derived hyperpolarising factor) (Kennedy, J.A. (370) 263)

Cholestasis; Gastric damage (Nahavandi, A. (370) 283)

3-Nitropropionic acid

Mitochondrial toxin; Seizure; Excitatory amino acid receptor agonist; Excitatory amino acid receptor antagonist; NMDA receptor; Non-NMDA receptor (Urbanska, E.M. (370) 251)

S-Nitroso-N-acetylpenicillamine

Coronary artery, bovine; Guanylyl cyclase soluble; Protein kinase G; Glyceryl trinitrate; Tolerance (De la Lande, I.S. (370) 39)

NMDA (*N*-methyl-D-aspartate)

TRH (thyrotropin-releasing hormone); Neuroprotection; Hippocampus; Excitotoxicity (Pizzi, M. (370) 133)

NMDA receptor

3-Nitropropionic acid; Mitochondrial toxin; Seizure; Excitatory amino acid receptor agonist; Excitatory amino acid receptor antagonist; Non-NMDA receptor (Urbanska, E.M. (370) 251)

Nociceptin/orphanin FQ

Antinociception; Substance P; Capsaicin; Diabetes (Kamei, J. (370) 109)

Non-NMDA receptor

3-Nitropropionic acid; Mitochondrial toxin; Seizure; Excitatory amino acid receptor agonist; Excitatory amino acid receptor antagonist; NMDA receptor (Urbanska, E.M. (370) 251)

Noradrenaline

α_{1A}-Adrenoceptor; Isoform; Prazosin; Inositol phosphate; RS-17053; Tamsulosin (Daniels, D.V. (370) 337)

Nucleus basalis magnocellularis

Basal forebrain; Dimethyl-C7; Tachykinin NK₁ receptor antagonist; WIN51,708; Reinforcement; Place conditioning (Nikolaus, S. (370) 93)

8-OH-DPAT (*R*(+)-8-Hydroxy-dipropylaminotetralin HBr)

5-HT_{1B/D} receptor; Locomotor activity; GR46611; (Guinea pig) (O'Neill, M.F. (370) 85)

Open state

Smooth muscle; Urinary bladder, guinea-pig; Ca²⁺ channel; β-Adrenocceptor; Phosphorylation (Smith, L.M. (370) 187)

Opioid

Antinociception; Nerve injury; Neuropathic pain; Spinal cord (Xu, I.S. (370) 17)

κ-Opioid receptor agonist

c-Fos; Spinal cord; U-69,593; Carrageenin-induced inflammation (Catheline, G. (370) 287)

Osteoarthritis

Esculetin; 6,7-Dihydroxycoumarin; Proteoglycan; Chondrocyte; Matrix metalloproteinase (Watanabe, K. (370) 297)

Papillary muscle

Action potential; Ventricular myocyte guinea pig; K⁺ current; Ca²⁺ current (Jones, S.E. (370) 319)

Parenchymal function

Luminal endothelial receptor; Endothelial control; Endothelial mediator; Nitric oxide (NO); Prostaglandins, endothelial hyperpolarizing factor; Cardiac function control (Rubio, R. (370) 27)

PC-12 cell

1321N1 human astrocytoma cell; Scabronine; NGF (nerve growth factor); Neurotrophic factor; Neurite outgrowth (Obara, Y. (370) 79)

Perhexiline

Coronary circulation; Endothelium; Nitric oxide (NO); EDHF (endothelium-derived hyperpolarising factor) (Kennedy, J.A. (370) 263)

Permeability

Interferon-α; Pulmonary hypertension; Thromboxane A₂; (Sheep) (Hanaoka, M. (370) 145)

Phosphoinositide hydrolysis

Sabcomeline; Cortex, rat; Heart, rat; Radioligand binding; [³⁵S]GTP-γS binding; Adenylyl cyclase (Watson, J.M. (370) 69)

Phosphoramidon

ANP (Atrial natriuretic peptide); BNP (Brain natriuretic peptide); Kidney epithelial cell line (LLC-PK₁); Neutral endopeptidase; Thiorphan (Ozaki, J. (370) 307)

Phosphorylation

Smooth muscle; Urinary bladder, guinea-pig; Ca²⁺ channel; β-Adrenocceptor; Open state (Smith, L.M. (370) 187)

Picrotoxin

Midazolam; Ethanol; Hyperalgesia; Flumazenil; GABA_A receptor (Tatsuo, M.A.K.F. (370) 9)

Place conditioning

Basal forebrain; Nucleus basalis magnocellularis; Dimethyl-C7; Tachykinin NK₁ receptor antagonist; WIN51,708; Reinforcement (Nikolaus, S. (370) 93)

P38 Mitogen-activated protein kinase

Adrenomedullin; Hyaluronic acid; SB203580; Wortmannin; Renal glomerular (Parameswaran, N. (370) 313)

Prazosin

α_{1A} -Adrenoceptor; Isoform; Noradrenaline; Inositol phosphate; RS-17053; Tamsulosin (Daniels, D.V. (370) 337)

Prepulse inhibition

Acetylcholine; Acoustic startle response; Carbachol; Scopolamine; (Rat) (Fendt, M. (370) 101)

Prostaglandin H synthase 2

Reactive oxygen species; Antioxidant; Glutamate synapse; Nitric oxide (NO); Catecholamine *o*-quinone (Smythies, J. (370) 1)

Prostaglandins, endothelial hyperpolarizing factor

Luminal endothelial receptor; Endothelial control; Parenchymal function; Endothelial mediator; Nitric oxide (NO); Cardiac function control (Rubio, R. (370) 27)

Protein kinase

Antithrombin III; Endothelin; Ca^{2+} channel, L-type; Lung, rat (Stangl, K. (370) 57)

Protein kinase G

Coronary artery, bovine; Guanylyl cyclase soluble; Glyceryl trinitrate; S-Nitroso-*N*-acetylpenicillamine; Tolerance (De la Lande, I.S. (370) 39)

Proteoglycan

Esculetin; 6,7-Dihydroxycoumarin; Chondrocyte; Osteoarthritis; Matrix metalloproteinase (Watanabe, K. (370) 297)

Psychomotor

Cocaine; Toxicity; Convulsion; Locomotor; σ Receptor (McCracken, K.A. (370) 225)

Pulmonary artery, rat

UTP; UDP; Vasoconstriction; Vasodilatation (Rubino, A. (370) 139)

Pulmonary hypertension

Interferon- α ; Permeability; Thromboxane A_2 ; (Sheep) (Hanaoka, M. (370) 145)

P2X receptor / channel

Site-directed mutagenesis; *Xenopus* oocyte (Nakazawa, K. (370) R5)

Radioligand binding

Sabcomeline; Cortex, rat; Heart, rat; [35 S]GTP γ S binding; Phosphoinositide hydrolysis; Adenylyl cyclase (Watson, J.M. (370) 69)

Reactive oxygen species

Antioxidant; Glutamate synapse; Prostaglandin H synthase 2; Nitric oxide (NO); Catecholamine *o*-quinone (Smythies, J. (370) 1)

 σ Receptor

Cocaine; Toxicity; Convulsion; Psychomotor; Locomotor (McCracken, K.A. (370) 225)

Receptor assembly

M2 transmembrane segment; Ligand-gated; GABA $_A$ receptor, human; Sf9 cell; Desensitization (Dalziel, J.E. (370) 345)

Reinforcement

Basal forebrain; Nucleus basalis magnocellularis; Dimethyl-C7; Tachykinin NK $_1$ receptor antagonist; WIN51,708; Place conditioning (Nikolaus, S. (370) 93)

Renal function

Glucocorticoid; Dopamine; Natriuresis; DOPA (dihydroxyphenylalanine) (Aguirre, J.A. (370) 271)

Renal glomerular

Adrenomedullin; Hyaluronic acid; P38 Mitogen-activated protein kinase; SB203580; Wortmannin (Parameswaran, N. (370) 313)

Risperidone

[14 C]2-Deoxyglucose; Antipsychotic; Glucose utilization; Hippocampus; Mediodorsal thalamus (Huang, Y.-H. (370) 257)

mRNA

Clofibrate; Malic enzyme; Fatty acid synthase; Lipogenesis; Brown adipose tissue; Liver; White adipose tissue; (Rat) (Karbowska, J. (370) 329)

RS-17053

α_{1A} -Adrenoceptor; Isoform; Noradrenaline; Prazosin; Inositol phosphate; Tamsulosin (Daniels, D.V. (370) 337)

Sabcomeline

Cortex, rat; Heart, rat; Radioligand binding; [35 S]GTP γ S binding; Phosphoinositide hydrolysis; Adenylyl cyclase (Watson, J.M. (370) 69)

SB203580

Adrenomedullin; Hyaluronic acid; P38 Mitogen-activated protein kinase; Wortmannin; Renal glomerular (Parameswaran, N. (370) 313)

Scabronine

1321N1 human astrocytoma cell; PC-12 cell; NGF (nerve growth factor); Neurotrophic factor; Neurite outgrowth (Obara, Y. (370) 79)

Scopolamine

Acetylcholine; Acoustic startle response; Carbachol; Prepulse inhibition; (Rat) (Fendt, M. (370) 101)

Seizure

3-Nitropropionic acid; Mitochondrial toxin; Excitatory amino acid receptor agonist; Excitatory amino acid receptor antagonist; NMDA receptor; Non-NMDA receptor (Urbanska, E.M. (370) 251)

Selectin

Anti-P-selectin antibody; Sialyl Lewis X; Acute lung injury; Lipopolysaccharide (Hayashi, H. (370) 47)

Self-administration

Cannabinoid; Cannabis; Beer; Naloxone; Sucrose; SR 141716; CP 55,940 (Gallate, J.E. (370) 233)

Serum deprivation

Apoptosis; Chick neuron; NGF (nerve growth factor); Neuroprotection; 5-HT $_{1A}$ receptor agonist (Ahlemeyer, B. (370) 211)

Sf9 cell

M2 transmembrane segment; Ligand-gated; GABA $_A$ receptor, human; Desensitization; Receptor assembly (Dalziel, J.E. (370) 345)

[35 S]GTP γ S binding

Sabcomeline; Cortex, rat; Heart, rat; Radioligand binding; Phosphoinositide hydrolysis; Adenylyl cyclase (Watson, J.M. (370) 69)

Sialyl Lewis X

Selectin; Anti-P-selectin antibody; Acute lung injury; Lipopolysaccharide (Hayashi, H. (370) 47)

Site-directed mutagenesis

P2X receptor/channel; *Xenopus* oocyte (Nakazawa, K. (370) R5)

SK-N-MC neuroblastoma

σ_1 receptor-like site; Dopamine D_4 receptor; U-101958; Cerebellum, human (Helmeste, D.M. (370) 205)

Smooth muscle

Urinary bladder, guinea-pig; Ca^{2+} channel; β -Adrenoceptor; Phosphorylation; Open state (Smith, L.M. (370) 187)

Spinal cord

Antinociception; Nerve injury; Neuropathic pain; Opioid (Xu, I.S. (370) 17)

c-Fos; κ -Opioid receptor agonist; U-69,593; Carrageenin-induced inflammation (Catheline, G. (370) 287)

SR 141716

Cannabinoid; Cannabis; Beer; Naloxone; Sucrose; CP 55,940; Self-administration (Gallate, J.E. (370) 233)

 σ_1 receptor-like site

Dopamine D_4 receptor; U-101958; Cerebellum, human; SK-N-MC neuroblastoma (Helmeste, D.M. (370) 205)

Substance P

Antinociception; Nociceptin/orphanin FQ; Capsaicin; Diabetes (Kamei, J. (370) 109)

Sucrose

Cannabinoid; Cannabis; Beer; Naloxone; SR 141716; CP 55,940; Self-administration (Gallate, J.E. (370) 233)

Sulfonylurea receptor

K^+ channel, ATP-sensitive; TE671 medulloblastoma cell; Glyburide; K^+ channel, inward rectifying (Miller, T.R. (370) 179)

Synaptosome

($\pm$)-Tramadol; 5-HT (5-hydroxytryptamine, serotonin) carrier; 5-HT (5-hydroxytryptamine, serotonin) release (Gobbi, M. (370) 23)

Tachykinin NK_1 receptor antagonist

Basal forebrain; Nucleus basalis magnocellularis; Dimethyl-C7; WIN51,708; Reinforcement; Place conditioning (Nikolaus, S. (370) 93)

Tamsulosin

α_{1A} -Adrenoceptor; Isoform; Noradrenaline; Prazosin; Inositol phosphate; RS-17053 (Daniels, D.V. (370) 337)

Taxol (paclitaxel)

Glycolysis; Melanoma; Cytoskeleton; Glucose 1,6-bisphosphate; Fructose 1,6-bisphosphate (Glass-Marmor, L. (370) 195)

TE671 medulloblastoma cell

K^+ channel, ATP-sensitive; Glyburide; Sulfonylurea receptor; K^+ channel, inward rectifying (Miller, T.R. (370) 179)

Thiorphan

ANP (Atrial natriuretic peptide); BNP (Brain natriuretic peptide); Kidney epithelial cell line (LLC-PK₁); Neutral endopeptidase; Phosphoramidon (Ozaki, J. (370) 307)

Thromboxane A_2

Interferon- α ; Permeability; Pulmonary hypertension; (Sheep) (Hanaoka, M. (370) 145)

Tolcapone

Dopamine release; Dopamine uptake; Dopamine synthesis; Microdialysis; Voltammetry, cyclic; GBR 12909 (Budygin, E.A. (370) 125)

Tolerance

Coronary artery, bovine; Guanylyl cyclase soluble; Protein kinase G; Glyceryl trinitrate; S-Nitroso-N-acetylpenicillamine (De la Lande, I.S. (370) 39)

Toxicity

Cocaine; Convulsion; Psychomotor; Locomotor; σ Receptor (McCracken, K.A. (370) 225)

($\pm$)-Tramadol

5-HT (5-hydroxytryptamine, serotonin) carrier; 5-HT (5-hydroxytryptamine, serotonin) release; Synaptosome (Gobbi, M. (370) 23)

TRH (thyrotropin-releasing hormone)

Neuroprotection; NMDA (*N*-methyl-D-aspartate); Hippocampus; Excitotoxicity (Pizzi, M. (370) 133)

U-101958

σ_1 receptor-like site; Dopamine D_4 receptor; Cerebellum, human; SK-N-MC neuroblastoma (Helmeste, D.M. (370) 205)

U-69,593

c-Fos; Spinal cord; κ -Opioid receptor agonist; Carrageenin-induced inflammation (Catheline, G. (370) 287)

UDP

UTP; Vasoconstriction; Vasodilatation; Pulmonary artery, rat (Rubino, A. (370) 139)

Urinary bladder, guinea-pig

Smooth muscle; Ca^{2+} channel; β -Adrenoceptor; Phosphorylation; Open state (Smith, L.M. (370) 187)

UTP

UDP; Vasoconstriction; Vasodilatation; Pulmonary artery, rat (Rubino, A. (370) 139)

Vasoconstriction

UTP; UDP; Vasodilatation; Pulmonary artery, rat (Rubino, A. (370) 139)

Vasodilatation

UTP; UDP; Vasoconstriction; Pulmonary artery, rat (Rubino, A. (370) 139)

Ventricular myocyte guinea pig

Papillary muscle; Action potential; K^+ current; Ca^{2+} current (Jones, S.E. (370) 319)

Voltammetry, cyclic

Dopamine release; Dopamine uptake; Dopamine synthesis; Microdialysis; Tolcapone; GBR 12909 (Budygin, E.A. (370) 125)

White adipose tissue

Clofibrate; Malic enzyme; Fatty acid synthase; mRNA; Lipogenesis; Brown adipose tissue; Liver; (Rat) (Karbowska, J. (370) 329)

WIN51,708

Basal forebrain; Nucleus basalis magnocellularis; Dimethyl-C7; Tachykinin NK_1 receptor antagonist; Reinforcement; Place conditioning (Nikolaus, S. (370) 93)

Wortmannin

Adrenomedullin; Hyaluronic acid; P38 Mitogen-activated protein kinase; SB203580; Renal glomerular (Parameswaran, N. (370) 313)

***Xenopus* oocyte**

P2X receptor/channel; Site-directed mutagenesis (Nakazawa, K. (370) R5)