

Keyword index

ABC transporter

Caco-2 cell; Digoxin; Intestinal transport; MDR1; P-glycoprotein; MRP2 (Lowes, S. (458) 49)

Addiction

Nicotine; Neurotensin; Sensitization; Psychostimulant (Fredrickson, P. (458) 111)

Adenosine A₁ receptor

Postoperative ileus; Colon; (Rat); antagonist (Kadowaki, M. (458) 197)

β -adrenoceptor agonist

Calcium ion; Ca²⁺ ionophore; Calmodulin; Renal cortical slice, dog; Renin release; Superfusion (Yatsu, T. (458) 191)

β_1 -Adrenoceptor antagonist

Atrium, human, right; Muscarinic M₂ receptor; Carbachol; Negative inotropic effect, indirect (Wangemann, T. (458) 163)

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Antiarrhythmic; Anticonvulsant; Gazelius nerve injury; Hyperalgesia; Spared nerve injury (Erichsen, H.K. (458) 275)

Amino acid transporter

Nitric oxide (NO); *S*-Nitroso-L-cysteine; System L; PC12 cell (Nemoto, T. (458) 17)

Amitriptyline

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β -Amyloid protein

Hippocampal neuron; Propentofylline; cAMP; Protein kinase A; Apoptosis (Koriyama, Y. (458) 235)

Angiotensin

Capacitance; Diabetes; Circulatory filling pressure, mean; Noradrenaline; Vasoconstriction (Cheng, X. (458) 299)

Angiotensin AT₁ receptor

Sanguinarine; CHO cell; CHO membrane; Noncompetitive antagonist; [³H]Candesartan (Caballero-George, C. (458) 257)

Antagonist

Postoperative ileus; Colon; (Rat); Adenosine A₁ receptor (Kadowaki, M. (458) 197)

Antiarrhythmic

Allodynia; Anticonvulsant; Gazelius nerve injury; Hyperalgesia; Spared nerve injury (Erichsen, H.K. (458) 275)

Anticonvulsant

Allodynia; Antiarrhythmic; Gazelius nerve injury; Hyperalgesia; Spared nerve injury (Erichsen, H.K. (458) 275)

Antidepressant

Bipolar disorder; Imipramine; Mania; Rapid cycling; Supersensitivity (D'Aquila, P.S. (458) 129)

Antinociception

Endomorphin-1; Na⁺/K⁺-ATPase; Ouabain; Tail-flick test (Horvath, G. (458) 291)

Antisense oligonucleotide

Opioid; Vas deferens; Ontogenesis; Stress (Loizzo, A. (458) 201)

Aorta, rat

NS-398; Cyclooxygenase-2; Endothelium derived; Nitric oxide; SERCA (Ca²⁺ pump); Sarcoplasmic reticulum (Adeagbo, A.S.O. (458) 145)

Apomorphine

YC-1; Guanylate cyclase; Nitric oxide (NO); Penile erection; Corpus cavernosum (Hsieh, G.C. (458) 183)

Apoptosis

β -Amyloid protein; Hippocampal neuron; Propentofylline; cAMP; Protein kinase A (Koriyama, Y. (458) 235)

L-Arginine

Morphine; Nitric oxide (NO); L-NAME (*N*^G-nitro-L-arginine methyl ester); Conditioned place preference; Ventral tegmental area; (Rat) (Gholami, A. (458) 119)

Atrium, human, right

Muscarinic M₂ receptor; Carbachol; Negative inotropic effect, indirect; β_1 -Adrenoceptor antagonist (Wangemann, T. (458) 163)

BDNF (brain-derived neurotrophic factor)

Selegiline; Desmethylelegiline; NMDA (*N*-methyl-D-aspartate); Retinal degeneration; Cell death (Takahata, K. (458) 81)

Bipolar disorder

Antidepressant; Imipramine; Mania; Rapid cycling; Supersensitivity (D'Aquila, P.S. (458) 129)

Body temperature

Deltorphin II; Hypothermia; Hyperthermia (Salmi, P. (458) 101)

Bone marrow

Cerebral ischemia; Growth factor (Six, I. (458) 327)

Bradykinin

Iris sphincter, pig; Contraction; Cyclooxygenase metabolite; Bradykinin B₁ receptor-selective antagonist; Bradykinin B₂ receptor-selective antagonist (El Sayah, M. (458) 175)

Bradykinin B₁ receptor-selective antagonist

Bradykinin; Iris sphincter, pig; Contraction; Cyclooxygenase metabolite; Bradykinin B₂ receptor-selective antagonist (El Sayah, M. (458) 175)

Bradykinin B₂ receptor-selective antagonist

Bradykinin; Iris sphincter, pig; Contraction; Cyclooxygenase metabolite; Bradykinin B₁ receptor-selective antagonist (El Sayah, M. (458) 175)

Bradykinin receptor

Myocardial infarction; Membrane transporter; (Rat) (Sandmann, S. (458) 3)

Induction; Desensitisation; (Rat); Vas deferens (Scott, P. (458) 319)

Caco-2 cell

ABC transporter; Digoxin; Intestinal transport; MDR1; P-glycoprotein; MRP2 (Lowes, S. (458) 49)

cADP-ribose

STOC (spontaneous transient outward current); Smooth muscle, vascular (Cheung, D.W. (458) 57)

Ca²⁺, intracellular, free

GEA3162; S-Nitrosylation; Cation entry; Cyclopiazonic acid; Neutrophil (Wang, J.-P. (458) 243)

Ca²⁺ ionophore

β-adrenoceptor agonist; Calcium ion; Calmodulin; Renal cortical slice, dog; Renin release; Superfusion (Yatsu, T. (458) 191)

Calcium ion

β-adrenoceptor agonist; Ca²⁺ ionophore; Calmodulin; Renal cortical slice, dog; Renin release; Superfusion (Yatsu, T. (458) 191)

Calmodulin

β-adrenoceptor agonist; Calcium ion; Ca²⁺ ionophore; Renal cortical slice, dog; Renin release; Superfusion (Yatsu, T. (458) 191)

cAMP

β-Amyloid protein; Hippocampal neuron; Propentofylline; Protein kinase A; Apoptosis (Koriyama, Y. (458) 235)

Cannabinoid

Interleukin-8; TNF-α (tumour necrosis factor-α); HT-29 cell; Inflammatory bowel disease (Ihenetu, K. (458) 207)

Capacitance

Angiotensin; Diabetes; Circulatory filling pressure, mean; Noradrenaline; Vasoconstriction (Cheng, X. (458) 299)

Capsaicin

Neuropeptide release; Substance P; CGRP (calcitonin gene-related peptide); Somatostatin; Tetrodotoxin (Németh, J. (458) 313)

Capsaicin receptor

Immunohistochemistry; Myenteric plexus-longitudinal muscle; Choline acetyltransferase; Confocal microscopy (Anavi-Goffer, S. (458) 61)

Carbachol

Atrium, human, right; Muscarinic M₂ receptor; Negative inotropic effect, indirect; β₁-Adrenoceptor antagonist (Wangemann, T. (458) 163)

Cation entry

GEA3162; S-Nitrosylation; Ca²⁺, intracellular, free; Cyclopiazonic acid; Neutrophil (Wang, J.-P. (458) 243)

Cdc42

Piperlactam S; Complement 5a; RAW264.7 macrophage; F-actin; Filopodia (Chiou, W.-F. (458) 217)

Celecoxib

Cyclooxygenase-2; VEGF (vascular endothelial growth factor); Diabetes (Ayalasomayajula, S.P. (458) 283)

Cell death

Selegiline; Desmethylselegiline; NMDA (N-methyl-D-aspartate); Retinal degeneration; BDNF (brain-derived neurotrophic factor) (Takahata, K. (458) 81)

Ceramide

Dopamine; 5-HT (5-hydroxytryptamine, serotonin) transporter; Dopamine transporter (Riddle, E.L. (458) 31)

Cerebral ischemia

Growth factor; Bone marrow (Six, I. (458) 327)

Cerebrovascular circulation

Purine; Pyrimidine; Vasoconstriction; P2Y₆ receptor (Malmsjö, M. (458) 305)

CGRP (calcitonin gene-related peptide)

Capsaicin; Neuropeptide release; Substance P; Somatostatin; Tetrodotoxin (Németh, J. (458) 313)

CHO cell

Sanguinarine; Angiotensin AT₁ receptor; CHO membrane; Noncompetitive antagonist; [³H]Candesartan (Caballero-George, C. (458) 257)

Choline acetyltransferase

Immunohistochemistry; Myenteric plexus-longitudinal muscle; Capsaicin receptor; Confocal microscopy (Anavi-Goffer, S. (458) 61)

CHO membrane

Sanguinarine; Angiotensin AT₁ receptor; CHO cell; Noncompetitive antagonist; [³H]Candesartan (Caballero-George, C. (458) 257)

Circulatory filling pressure, mean

Angiotensin; Capacitance; Diabetes; Noradrenaline; Vasoconstriction (Cheng, X. (458) 299)

Cocaine discrimination

(Mouse); (Rat); (Rhesus monkey); Mazindane; Mazindol; Motor activity, mouse; Neurotransmitter binding (Houlihan, W.J. (458) 263)

Colon

Postoperative ileus; (Rat); Adenosine A₁ receptor; antagonist (Kadowaki, M. (458) 197)

Complement 5a

Piperlactam S; RAW264.7 macrophage; F-actin; Filopodia; Cdc42 (Chiou, W.-F. (458) 217)

Conditioned place preference

Morphine; Nitric oxide (NO); L-Arginine; L-NAME (N^G-nitro-L-arginine methyl ester); Ventral tegmental area; (Rat) (Gholami, A. (458) 119)

Confocal microscopy

Immunohistochemistry; Myenteric plexus-longitudinal muscle; Choline acetyltransferase; Capsaicin receptor (Anavi-Goffer, S. (458) 61)

Contraction

Bradykinin; Iris sphincter, pig; Cyclooxygenase metabolite; Bradykinin B₁ receptor-selective antagonist; Bradykinin B₂ receptor-selective antagonist (El Sayah, M. (458) 175)

Corpus cavernosum

YC-1; Guanylate cyclase; Nitric oxide (NO); Apomorphine; Penile erection (Hsieh, G.C. (458) 183)

CRF (corticotropin-releasing factor)

Hypericum perforatum; St. John's wort; Hypericin; Pseudohypericin; Hyperforin; Depression (Simmen, U. (458) 251)

Cyclobenzaprine

Amitriptyline; Cyproheptadine; Flexor reflex; Spinal reflex (Honda, M. (458) 91)

Cyclooxygenase-2

NS-398; Aorta, rat; Endothelium derived; Nitric oxide; SERCA (Ca²⁺ pump); Sarcoplasmic reticulum (Adeagbo, A.S.O. (458) 145)

VEGF (vascular endothelial growth factor); Celecoxib; Diabetes (Ayalasomayajula, S.P. (458) 283)

Cyclooxygenase metabolite

Bradykinin; Iris sphincter, pig; Contraction; Bradykinin B₁ receptor-selective antagonist; Bradykinin B₂ receptor-selective antagonist (El Sayah, M. (458) 175)

Cyclopiazonic acid

GEA3162; S-Nitrosylation; Cation entry; Ca²⁺, intracellular, free; Neutrophil (Wang, J.-P. (458) 243)

Cyproheptadine

Cyclobenzaprine; Amitriptyline; Flexor reflex; Spinal reflex (Honda, M. (458) 91)

Deltorphin II

Body temperature; Hypothermia; Hyperthermia (Salmi, P. (458) 101)

Depression

Hypericum perforatum; St. John's wort; Hypericin; Pseudohypericin; Hyperforin; CRF (corticotropin-releasing factor) (Simmen, U. (458) 251)

Desensitisation

Bradykinin receptor; Induction; (Rat); Vas deferens (Scott, P. (458) 319)

Desmethylselegiline

Selegiline; NMDA (*N*-methyl-D-aspartate); Retinal degeneration; Cell death; BDNF (brain-derived neurotrophic factor) (Takahata, K. (458) 81)

Diabetes

Cyclooxygenase-2; VEGF (vascular endothelial growth factor); Celecoxib (Ayalasomayajula, S.P. (458) 283)

Angiotensin; Capacitance; Circulatory filling pressure, mean; Noradrenaline; Vasoconstriction (Cheng, X. (458) 299)

Digoxin

ABC transporter; Caco-2 cell; Intestinal transport; MDR1; P-glycoprotein; MRP2 (Lowes, S. (458) 49)

Dopamine

5-HT (5-hydroxytryptamine, serotonin) transporter; Ceramide; Dopamine transporter (Riddle, E.L. (458) 31)

Dopamine transporter

Dopamine; 5-HT (5-hydroxytryptamine, serotonin) transporter; Ceramide (Riddle, E.L. (458) 31)

Elevated plus maze

Stress; Nitric oxide (NO); Open-field (Masood, A. (458) 135)

Endomorphin-1

Antinociception; Na⁺,K⁺-ATPase; Ouabain; Tail-flick test (Horvath, G. (458) 291)

Endothelium derived

NS-398; Cyclooxygenase-2; Aorta, rat; Nitric oxide; SERCA (Ca²⁺ pump); Sarcoplasmic reticulum (Adeagbo, A.S.O. (458) 145)

erg current

Linoleoylamide; GH₃ cell (Liu, Y.-C. (458) 37)

Excitotoxicity

MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine); Neuroprotection; Pentacyclo-undecylamine (Geldenhuys, W.J. (458) 73)

F-actin

Piperlactam S; Complement 5a; RAW264.7 macrophage; Filopodia; Cdc42 (Chiou, W.-F. (458) 217)

Filopodia

Piperlactam S; Complement 5a; RAW264.7 macrophage; F-actin; Cdc42 (Chiou, W.-F. (458) 217)

Flexor reflex

Cyclobenzaprine; Amitriptyline; Cyproheptadine; Spinal reflex (Honda, M. (458) 91)

Gazeliu nerve injury

Allodynia; Antiarrhythmic; Anticonvulsant; Hyperalgesia; Spared nerve injury (Erichsen, H.K. (458) 275)

GEA3162

S-Nitrosylation; Cation entry; Ca²⁺, intracellular, free; Cyclopiazonic acid; Neutrophil (Wang, J.-P. (458) 243)

GH₃ cell

Linoleoylamide; *erg current* (Liu, Y.-C. (458) 37)

Glutamate

Movement disorder; Paroxysmal choreoathetosis (Richter, A. (458) 107)

Glycogen

Nicotine; Insulin resistance; Obesity; Zucker fatty rat (Liu, R.-H. (458) 227)

Growth factor

Cerebral ischemia; Bone marrow (Six, I. (458) 327)

Guanylate cyclase

YC-1; Nitric oxide (NO); Apomorphine; Penile erection; Corpus cavernosum (Hsieh, G.C. (458) 183)

[³H]Candesartan

Sanguinarine; Angiotensin AT₁ receptor; CHO cell; CHO membrane; Noncompetitive atagonist (Caballero-George, C. (458) 257)

HERG channel

K⁺ channel; *L*-α-acetylmethadol; QT prolongation; Torsades de pointes (Kang, J. (458) 25)

Hippocampal neuron

β -Amyloid protein; Propentofylline; cAMP; Protein kinase A; Apoptosis (Koriyama, Y. (458) 235)

5-HT (5-hydroxytryptamine, serotonin) transporter

Dopamine; Ceramide; Dopamine transporter (Riddle, E.L. (458) 31)

5-HT_{1A} receptor

MKC-242; Plus-maze test; (Mouse) (Sakaue, M. (458) 141)

HT-29 cell

Cannabinoid; Interleukin-8; TNF- α (tumour necrosis factor- α); Inflammatory bowel disease (Ihenetu, K. (458) 207)

Hyperalgesia

Allodynia; Antiarhythmic; Anticonvulsant; Gazelius nerve injury; Spared nerve injury (Erichsen, H.K. (458) 275)

Hyperforin

Hypericum perforatum; St. John's wort; Hypericin; Pseudohypericin; Depression; CRF (corticotropin-releasing factor) (Simmen, U. (458) 251)

Hypericin

Hypericum perforatum; St. John's wort; Pseudohypericin; Hyperforin; Depression; CRF (corticotropin-releasing factor) (Simmen, U. (458) 251)

Hypericum perforatum

St. John's wort; Hypericin; Pseudohypericin; Hyperforin; Depression; CRF (corticotropin-releasing factor) (Simmen, U. (458) 251)

Hyperthermia

Deltorphin II; Body temperature; Hypothermia (Salmi, P. (458) 101)

Hypothermia

Deltorphin II; Body temperature; Hyperthermia (Salmi, P. (458) 101)

Hypoxia

Pulmonary artery, sheep; Pyrrolidine dithiocarbamate; Pyrithione (Uzun, Ö. (458) 171)

Imipramine

Antidepressant; Bipolar disorder; Mania; Rapid cycling; Supersensitivity (D'Aquila, P.S. (458) 129)

Immunohistochemistry

Myenteric plexus-longitudinal muscle; Choline acetyltransferase; Capsaicin receptor; Confocal microscopy (Anavi-Goffer, S. (458) 61)

Induction

Bradykinin receptor; Desensitisation; (Rat); Vas deferens (Scott, P. (458) 319)

Inflammatory bowel disease

Cannabinoid; Interleukin-8; TNF- α (tumour necrosis factor- α); HT-29 cell (Ihenetu, K. (458) 207)

Inhibitor

SEA0400; Na⁺/Ca²⁺ exchanger; Myocardial injury; Ischemia; Reperfusion (Takahashi, K. (458) 155)

Insulin resistance

Nicotine; Obesity; Glycogen; Zucker fatty rat (Liu, R.-H. (458) 227)

Interleukin-8

Cannabinoid; TNF- α (tumour necrosis factor- α); HT-29 cell; Inflammatory bowel disease (Ihenetu, K. (458) 207)

Intestinal transport

ABC transporter; Caco-2 cell; Digoxin; MDR1; P-glycoprotein; MRP2 (Lowes, S. (458) 49)

Iris sphincter, pig

Bradykinin; Contraction; Cyclooxygenase metabolite; Bradykinin B₁ receptor-selective antagonist; Bradykinin B₂ receptor-selective antagonist (El Sayah, M. (458) 175)

Ischemia

SEA0400; Na⁺/Ca²⁺ exchanger; Myocardial injury; Reperfusion; Inhibitor (Takahashi, K. (458) 155)

K⁺ channel

HERG channel; *I*- α -acetylmethadol; QT prolongation; Torsades de pointes (Kang, J. (458) 25)

***I*- α -acetylmethadol**

HERG channel; K⁺ channel; QT prolongation; Torsades de pointes (Kang, J. (458) 25)

Linoleoylamide

erg current; GH₃ cell (Liu, Y.-C. (458) 37)

Mania

Antidepressant; Bipolar disorder; Imipramine; Rapid cycling; Supersensitivity (D'Aquila, P.S. (458) 129)

Mazindane

Cocaine discrimination; (Mouse); (Rat); (Rhesus monkey); Mazindol; Motor activity, mouse; Neurotransmitter binding (Houlihan, W.J. (458) 263)

Mazindol

Cocaine discrimination; (Mouse); (Rat); (Rhesus monkey); Mazindane; Motor activity, mouse; Neurotransmitter binding (Houlihan, W.J. (458) 263)

MDR1

ABC transporter; Caco-2 cell; Digoxin; Intestinal transport; P-glycoprotein; MRP2 (Lowes, S. (458) 49)

Membrane transporter

Myocardial infarction; Bradykinin receptor; (Rat) (Sandmann, S. (458) 3)

MKC-242

5-HT_{1A} receptor; Plus-maze test; (Mouse) (Sakaue, M. (458) 141)

Morphine

Nitric oxide (NO); L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); Conditioned place preference; Ventral tegmental area; (Rat) (Gholami, A. (458) 119)

Motor activity, mouse

Cocaine discrimination; (Mouse); (Rat); (Rhesus monkey); Mazindane; Mazindol; Neurotransmitter binding (Houlihan, W.J. (458) 263)

(Mouse)

MKC-242; 5-HT_{1A} receptor; Plus-maze test (Sakaue, M. (458) 141)

Cocaine discrimination; (Rat); (Rhesus monkey); Mazindane; Mazindol; Motor activity, mouse; Neurotransmitter binding (Houlihan, W.J. (458) 263)

Movement disorder

Glutamate; Paroxysmal choreoathetosis (Richter, A. (458) 107)

MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine)

Excitotoxicity; Neuroprotection; Pentacyclo-undecylamine (Geldenhuys, W.J. (458) 73)

MRP2

ABC transporter; Caco-2 cell; Digoxin; Intestinal transport; MDR1; P-glycoprotein (Lowe, S. (458) 49)

Muscarinic M₂ receptor

Atrium, human, right; Carbachol; Negative inotropic effect, indirect; β_1 -Adrenoceptor antagonist (Wangemann, T. (458) 163)

Myenteric plexus-longitudinal muscle

Immunohistochemistry; Choline acetyltransferase; Capsaicin receptor; Confocal microscopy (Anavi-Goffer, S. (458) 61)

Myocardial infarction

Bradykinin receptor; Membrane transporter; (Rat) (Sandmann, S. (458) 3)

Myocardial injury

SEA0400; $\text{Na}^+/\text{Ca}^{2+}$ exchanger; Ischemia; Reperfusion; Inhibitor (Takahashi, K. (458) 155)

 $\text{Na}^+/\text{Ca}^{2+}$ exchanger

SEA0400; Myocardial injury; Ischemia; Reperfusion; Inhibitor (Takahashi, K. (458) 155)

 Na^+,K^+ -ATPase

Antinociception; Endomorphin-1; Ouabain; Tail-flick test (Horvath, G. (458) 291)

L-NAME (*N*^G-nitro-L-arginine methyl ester)

Morphine; Nitric oxide (NO); L-Arginine; Conditioned place preference; Ventral tegmental area; (Rat) (Gholami, A. (458) 119)

Negative inotropic effect, indirect

Atrium, human, right; Muscarinic M₂ receptor; Carbachol; β_1 -Adrenoceptor antagonist (Wangemann, T. (458) 163)

Neuropeptide release

Capsaicin; Substance P; CGRP (calcitonin gene-related peptide); Somatostatin; Tetrodotoxin (Németh, J. (458) 313)

Neuroprotection

Excitotoxicity; MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine); Pentacyclo-undecylamine (Geldenhuys, W.J. (458) 73)

Neurotensin

Nicotine; Addiction; Sensitization; Psychostimulant (Fredrickson, P. (458) 111)

Neurotransmitter binding

Cocaine discrimination; (Mouse); (Rat); (Rhesus monkey); Mazindane; Mazindol; Motor activity, mouse (Houlihan, W.J. (458) 263)

Neutrophil

GEA3162; S-Nitrosylation; Cation entry; Ca^{2+} , intracellular, free; Cyclopiazonic acid (Wang, J.-P. (458) 243)

Nicotine

Addiction; Neurotensin; Sensitization; Psychostimulant (Fredrickson, P. (458) 111)

Insulin resistance; Obesity; Glycogen; Zucker fatty rat (Liu, R.-H. (458) 227)

Nitric oxide

NS-398; Cyclooxygenase-2; Aorta, rat; Endothelium derived; SERCA (Ca^{2+} pump); Sarcoplasmic reticulum (Adeagbo, A.S.O. (458) 145)

Nitric oxide (NO)

S-Nitroso-L-cysteine; Amino acid transporter; System L; PC12 cell (Nemoto, T. (458) 17)

Morphine; L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); Conditioned place preference; Ventral tegmental area; (Rat) (Gholami, A. (458) 119)

Stress; Elevated plus maze; Open-field (Masood, A. (458) 135)

YC-1; Guanylate cyclase; Apomorphine; Penile erection; Corpus cavernosum (Hsieh, G.C. (458) 183)

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

Selegiline; Desmethyleselegiline; Retinal degeneration; Cell death; BDNF (brain-derived neurotrophic factor) (Takahata, K. (458) 81)

Noncompetitive antagonist

Sanguinarine; Angiotensin AT₁ receptor; CHO cell; CHO membrane; [³H]Candesartan (Caballero-George, C. (458) 257)

Noradrenaline

Angiotensin; Capacitance; Diabetes; Circulatory filling pressure, mean; Vasoconstriction (Cheng, X. (458) 299)

NS-398

Cyclooxygenase-2; Aorta, rat; Endothelium derived; Nitric oxide; SERCA (Ca^{2+} pump); Sarcoplasmic reticulum (Adeagbo, A.S.O. (458) 145)

Obesity

Nicotine; Insulin resistance; Glycogen; Zucker fatty rat (Liu, R.-H. (458) 227)

Ontogenesis

Opioid; Vas deferens; Stress; Antisense oligonucleotide (Loizzo, A. (458) 201)

Open-field

Stress; Nitric oxide (NO); Elevated plus maze (Masood, A. (458) 135)

Opioid

Vas deferens; Ontogenesis; Stress; Antisense oligonucleotide (Loizzo, A. (458) 201)

Ouabain

Antinociception; Endomorphin-1; Na^+,K^+ -ATPase; Tail-flick test (Horvath, G. (458) 291)

Paroxysmal choreoathetosis

Glutamate; Movement disorder (Richter, A. (458) 107)

PC12 cell

Nitric oxide (NO); S-Nitroso-L-cysteine; Amino acid transporter; System L (Nemoto, T. (458) 17)

Penile erection

YC-1; Guanylate cyclase; Nitric oxide (NO); Apomorphine; Corpus cavernosum (Hsieh, G.C. (458) 183)

Pentacyclo-undecylamine

Excitotoxicity; MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine); Neuroprotection (Geldenhuys, W.J. (458) 73)

P-glycoprotein

ABC transporter; Caco-2 cell; Digoxin; Intestinal transport; MDR1; MRP2 (Lowe, S. (458) 49)

Piperlactam S

Complement 5a; RAW264.7 macrophage; F-actin; Filopodia; Cdc42 (Chiou, W.-F. (458) 217)

Plus-maze test

MKC-242; 5-HT_{1A} receptor; (Mouse) (Sakaue, M. (458) 141)

Postoperative ileus

Colon; (Rat); Adenosine A₁ receptor; antagonist (Kadowaki, M. (458) 197)

Propentofylline

β-Amyloid protein; Hippocampal neuron; cAMP; Protein kinase A; Apoptosis (Koriyama, Y. (458) 235)

Protein kinase A

β-Amyloid protein; Hippocampal neuron; Propentofylline; cAMP; Apoptosis (Koriyama, Y. (458) 235)

Pseudohypericin

Hypericum perforatum; St. John's wort; Hypericin; Hyperforin; Depression; CRF (corticotropin-releasing factor) (Simmen, U. (458) 251)

Psychostimulant

Nicotine; Addiction; Neurotensin; Sensitization (Fredrickson, P. (458) 111)

Pulmonary artery, sheep

Hypoxia; Pyrrolidine dithiocarbamate; Pyrithione (Uzun, Ö. (458) 171)

Purine

Cerebrovascular circulation; Pyrimidine; Vasoconstriction; P2Y₆ receptor (Malmsjö, M. (458) 305)

P2Y₆ receptor

Cerebrovascular circulation; Purine; Pyrimidine; Vasoconstriction (Malmsjö, M. (458) 305)

Pyrimidine

Cerebrovascular circulation; Purine; Vasoconstriction; P2Y₆ receptor (Malmsjö, M. (458) 305)

Pyrithione

Hypoxia; Pulmonary artery, sheep; Pyrrolidine dithiocarbamate (Uzun, Ö. (458) 171)

Pyrrolidine dithiocarbamate

Hypoxia; Pulmonary artery, sheep; Pyrithione (Uzun, Ö. (458) 171)

QT prolongation

HERG channel; K⁺ channel; *l*-α-acetylmethadol; Torsades de pointes (Kang, J. (458) 25)

Rapid cycling

Antidepressant; Bipolar disorder; Imipramine; Mania; Supersensitivity (D'Aquila, P.S. (458) 129)

(Rat)

Myocardial infarction; Bradykinin receptor; Membrane transporter (Sandmann, S. (458) 3)

Morphine; Nitric oxide (NO); L-Arginine; L-NAME (N^G-nitro-L-arginine methyl ester); Conditioned place preference; Ventral tegmental area (Gholami, A. (458) 119)

Postoperative ileus; Colon; Adenosine A₁ receptor; antagonist (Kadowaki, M. (458) 197)

Cocaine discrimination; (Mouse); (Rhesus monkey); Mazindane; Mazindol; Motor activity, mouse; Neurotransmitter binding (Houlihan, W.J. (458) 263)

Bradykinin receptor; Induction; Desensitisation; Vas deferens (Scott, P. (458) 319)

RAW264.7 macrophage

Piperlactam S; Complement 5a; F-actin; Filopodia; Cdc42 (Chiou, W.-F. (458) 217)

Renal cortical slice, dog

β-adrenoceptor agonist; Calcium ion; Ca²⁺ ionophore; Calmodulin; Renin release; Superfusion (Yatsu, T. (458) 191)

Renin release

β-adrenoceptor agonist; Calcium ion; Ca²⁺ ionophore; Calmodulin; Renal cortical slice, dog; Superfusion (Yatsu, T. (458) 191)

Reperfusion

SEA0400; Na⁺/Ca²⁺ exchanger; Myocardial injury; Ischemia; Inhibitor (Takahashi, K. (458) 155)

Retinal degeneration

Selegiline; Desmethylelegiline; NMDA (*N*-methyl-D-aspartate); Cell death; BDNF (brain-derived neurotrophic factor) (Takahata, K. (458) 81)

(Rhesus monkey)

Cocaine discrimination; (Mouse); (Rat); Mazindane; Mazindol; Motor activity, mouse; Neurotransmitter binding (Houlihan, W.J. (458) 263)

Sanguinarine

Angiotensin AT₁ receptor; CHO cell; CHO membrane; Noncompetitive antagonist; [³H]Candesartan (Caballero-George, C. (458) 257)

Sarcoplasmic reticulum

NS-398; Cyclooxygenase-2; Aorta, rat; Endothelium derived; Nitric oxide; SERCA (Ca²⁺ pump) (Adeagbo, A.S.O. (458) 145)

SEA0400

Na⁺/Ca²⁺ exchanger; Myocardial injury; Ischemia; Reperfusion; Inhibitor (Takahashi, K. (458) 155)

Selegiline

Desmethylelegiline; NMDA (*N*-methyl-D-aspartate); Retinal degeneration; Cell death; BDNF (brain-derived neurotrophic factor) (Takahata, K. (458) 81)

Sensitization

Nicotine; Addiction; Neurotensin; Psychostimulant (Fredrickson, P. (458) 111)

SERCA (Ca²⁺ pump)

NS-398; Cyclooxygenase-2; Aorta, rat; Endothelium derived; Nitric oxide; Sarcoplasmic reticulum (Adeagbo, A.S.O. (458) 145)

Smooth muscle, vascular

cADP-ribose; STOC (spontaneous transient outward current) (Cheung, D.W. (458) 57)

***S*-Nitroso-L-cysteine**

Nitric oxide (NO); Amino acid transporter; System L; PC12 cell (Nemoto, T. (458) 17)

***S*-Nitrosylation**

GEA3162; Cation entry; Ca²⁺, intracellular, free; Cyclopiazonic acid; Neutrophil (Wang, J.-P. (458) 243)

Somatostatin

Capsaicin; Neuropeptide release; Substance P; CGRP (calcitonin gene-related peptide); Tetrodotoxin (Németh, J. (458) 313)

Spared nerve injury

Allodynia; Antiarrhythmic; Anticonvulsant; Gazelius nerve injury; Hyperalgesia (Erichsen, H.K. (458) 275)

Spinal reflex

Cyclobenzaprine; Amitriptyline; Cyproheptadine; Flexor reflex (Honda, M. (458) 91)

St. John's wort

Hypericum perforatum; Hypericin; Pseudohypericin; Hyperforin; Depression; CRF (corticotropin-releasing factor) (Simmen, U. (458) 251)

STOC (spontaneous transient outward current)

cADP-ribose; Smooth muscle, vascular (Cheung, D.W. (458) 57)

Stress

Nitric oxide (NO); Elevated plus maze; Open-field (Masood, A. (458) 135)

Opioid; Vas deferens; Ontogenesis; Antisense oligonucleotide (Loizzo, A. (458) 201)

Substance P

Capsaicin; Neuropeptide release; CGRP (calcitonin gene-related peptide); Somatostatin; Tetrodotoxin (Németh, J. (458) 313)

Superfusion

β -adrenoceptor agonist; Calcium ion; Ca^{2+} ionophore; Calmodulin; Renal cortical slice, dog; Renin release (Yatsu, T. (458) 191)

Supersensitivity

Antidepressant; Bipolar disorder; Imipramine; Mania; Rapid cycling (D'Aquila, P.S. (458) 129)

System L

Nitric oxide (NO); *S*-Nitroso-L-cysteine; Amino acid transporter; PC12 cell (Nemoto, T. (458) 17)

Tail-flick test

Antinociception; Endomorphin-1; Na^+ , K^+ -ATPase; Ouabain (Horvath, G. (458) 291)

Tetrodotoxin

Capsaicin; Neuropeptide release; Substance P; CGRP (calcitonin gene-related peptide); Somatostatin (Németh, J. (458) 313)

TNF- α (tumour necrosis factor- α)

Cannabinoid; Interleukin-8; HT-29 cell; Inflammatory bowel disease (Ihenetu, K. (458) 207)

Torsades de pointes

HERG channel; K^+ channel; *L*- α -acetylmethadol; QT prolongation (Kang, J. (458) 25)

Vas deferens

Opioid; Ontogenesis; Stress; Antisense oligonucleotide (Loizzo, A. (458) 201)

Bradykinin receptor; Induction; Desensitisation; (Rat) (Scott, P. (458) 319)

Vasoconstriction

Angiotensin; Capacitance; Diabetes; Circulatory filling pressure, mean; Noradrenaline (Cheng, X. (458) 299)

Cerebrovascular circulation; Purine; Pyrimidine; P2Y_6 receptor (Malmsjö, M. (458) 305)

VEGF (vascular endothelial growth factor)

Cyclooxygenase-2; Celecoxib; Diabetes (Ayalasomayajula, S.P. (458) 283)

Ventral tegmental area

Morphine; Nitric oxide (NO); L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); Conditioned place preference; (Rat) (Gholami, A. (458) 119)

YC-1

Guanylate cyclase; Nitric oxide (NO); Apomorphine; Penile erection; Corpus cavernosum (Hsieh, G.C. (458) 183)

Zucker fatty rat

Nicotine; Insulin resistance; Obesity; Glycogen (Liu, R.-H. (458) 227)