

Keyword index

ADP

Platelet aggregation; P2X1 purinoceptor; Ca^{2+} , intracellular; Platelet, rabbit (Takano, S. (372) 305)

α -Adrenoceptor

Noradrenergic system; Basolateral amygdala; Memory storage; β -Adrenoceptor (Ferry, B. (372) 9)

α_{2C} -Adrenoceptor

α_2 -Adrenoceptor; SH-SY5Y cell, human; Neuroblastoma cell, human; cAMP (Parsley, S. (372) 109)

α_2 -Adrenoceptor

α_{2C} -Adrenoceptor; SH-SY5Y cell, human; Neuroblastoma cell, human; cAMP (Parsley, S. (372) 109)

Sex; Gonadal steroid; Rauwolscine; Idazoxan; UK-14304 (Chen, D.C. (372) 247)

β -Adrenoceptor

Noradrenergic system; Basolateral amygdala; Memory storage; α -Adrenoceptor (Ferry, B. (372) 9)

N^G -nitro-L-arginine; Imipramine; Nitric Oxide (NO) synthase; Cortex; (Mouse) (Karolewicz, B. (372) 215)

α_2 -Adrenoceptor agonist

Adverse side effect; Focal cerebral ischemia; Glutamate receptor antagonist; Neuroprotection; Prophylactic use (Jolkkonen, J. (372) 31)

Adrenomedullin

Proliferation; Apoptosis; ERK (extracellular signal-regulated kinase); JNK (*jun*-amino terminal kinase); P38 MAPK (P38 mitogen-activated protein kinase) (Parameswaran, N. (372) 85)

Adverse side effect

α_2 -Adrenoceptor agonist; Focal cerebral ischemia; Glutamate receptor antagonist; Neuroprotection; Prophylactic use (Jolkkonen, J. (372) 31)

Airway

Muscarinic cholinergic receptor; Inositol phosphate; Methocarbamol; Atropine; Pirenzepine; 4-DAMP (4-Diphenylacetoxy-N-methylpiperidine methiodide) (Preuss, J.M.H. (372) 269)

Allodynia

Diabetes; Protein kinase C; Hyperalgesia; Substance P; (Mouse) (Ohsawa, M. (372) 221)

Alzheimer's disease

Medial septum; Hippocampus lesion; Metrifonate; Spatial navigation; C57BL; (Mouse) (Ikonen, S. (372) 117)

Amentoflavone

Ca^{2+} -induced Ca^{2+} release; Caffeine-binding site; Ca^{2+} release channel; Ryanodine receptor; Sarcoplasmic reticulum (Suzuki, A. (372) 97)

Aminoguanidine

Nitric oxide (NO); Vascular remodeling; Apoptosis; Smooth muscle cell, vascular death; Restenosis (Hansen, P.R. (372) 157)

cAMP

T-cell proliferation; Fluoxetine; Immune response; Protein kinase C; Ca^{2+} (Ayelli Edgar, V. (372) 65)

α_2 -Adrenoceptor; α_{2C} -Adrenoceptor; SH-SY5Y cell, human; Neuroblastoma cell, human (Parsley, S. (372) 109)

NKH477; Kidney; (Dog) (Tanahashi, M. (372) 253)

Angiotensin

Mitogen-activated protein kinase; Endothelin; Aorta; Spontaneously hypertensive rat (SHR) (Kubo, T. (372) 279)

Angiotensin AT₁ receptor

Angiotensin II; CHO (Chinese hamster ovary) cell; Inositol phosphate; Antagonist; Surmountable; Insurmountable (Fierens, F.L.P. (372) 199)

Angiotensin II

Angiotensin AT₁ receptor; CHO (Chinese hamster ovary) cell; Inositol phosphate; Antagonist; Surmountable; Insurmountable (Fierens, F.L.P. (372) 199)

Antagonist

Angiotensin II; Angiotensin AT₁ receptor; CHO (Chinese hamster ovary) cell; Inositol phosphate; Surmountable; Insurmountable (Fierens, F.L.P. (372) 199)

Antidepressant

Venlafaxine; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis; 5-HT_{1A} receptor; Cortex; Hippocampus (Gur, E. (372) 17)

Nitric oxide (NO) synthase; Forced swimming; L-Arginine; N^G -Nitro-L-arginine; N^G -Monomethyl-L-arginine; N^G -Nitro-L-arginine methyl ester (Harkin, A.J. (372) 207)

Antipsychotic

Dopamine D₄ receptor; NGD 94-1 (Gazi, L. (372) R9)

Aorta

Mitogen-activated protein kinase; Angiotensin; Endothelin; Spontaneously hypertensive rat (SHR) (Kubo, T. (372) 279)

Apoptosis

Proliferation; ERK (extracellular signal-regulated kinase); JNK (*jun*-amino terminal kinase); P38 MAPK (P38 mitogen-activated protein kinase); Adrenomedullin (Parameswaran, N. (372) 85)

Aminoguanidine; Nitric oxide (NO); Vascular remodeling; Smooth muscle cell, vascular death; Restenosis (Hansen, P.R. (372) 157)

L-Arginine

Nitric oxide (NO) synthase; Antidepressant; Forced swimming; N^G -Nitro-L-arginine; N^G -Monomethyl-L-arginine; N^G -Nitro-L-arginine methyl ester (Harkin, A.J. (372) 207)

Atropine

Muscarinic cholinceptor; Airway; Inositol phosphate; Methocramine; Pirenzepine; 4-DAMP (4-Diphenylacetoxy-*N*-methylpiperidine methiodide) (Preuss, J.M.H. (372) 269)

Basilar artery

Electrical stimulation; Superoxide anion; K^+ channel (Conde, M.V. (372) 179)

Basolateral amygdala

Noradrenergic system; Memory storage; α -Adrenoceptor; β -Adrenoceptor (Ferry, B. (372) 9)

Befloxatone

Fluoxetine; ($\pm$)-Pindolol; WAY 100,635; Forced swim test; 5-HT_{1A} receptor (Moser, P.C. (372) 127)

Blood-brain barrier

Encephalopathy; Cyclosporin A; Tacrolimus; Cytotoxicity; *P*-glycoprotein (Kochi, S. (372) 287)

 Ca^{2+}

T-cell proliferation; Fluoxetine; Immune response; Protein kinase C; cAMP (Ayelli Edgar, V. (372) 65)

 Ca^{2+}

MTT (3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide); K^+ , extracellular; Tetrodotoxin; Veratridine; Na^+ channel, voltage-sensitive (Takahashi, S. (372) 297)

 Ca^{2+} channel

Ca^{2+} overload; Contractile dysfunction; Diltiazem; Ischemia; K^+ channel; Reperfusion; Na^+ channel; Na^+ overload; Tetrodotoxin (Tanonaka, K. (372) 37)

Caffeine-binding site

Amentoflavone; Ca^{2+} -induced Ca^{2+} release; Ca^{2+} release channel; Ryanodine receptor; Sarcoplasmic reticulum (Suzuki, A. (372) 97)

 Ca^{2+} -induced Ca^{2+} release

Amentoflavone; Caffeine-binding site; Ca^{2+} release channel; Ryanodine receptor; Sarcoplasmic reticulum (Suzuki, A. (372) 97)

 Ca^{2+} , intracellular

ADP; Platelet aggregation; P2X1 purinoceptor; Platelet, rabbit (Takano, S. (372) 305)

 Ca^{2+} overload

Ca^{2+} channel; Contractile dysfunction; Diltiazem; Ischemia; K^+ channel; Reperfusion; Na^+ channel; Na^+ overload; Tetrodotoxin (Tanonaka, K. (372) 37)

Cardiomyopathic hamster

MCI-154; Ca^{2+} -sensitizer; Heart failure; Survival rate (Kawasumi, H. (372) 175)

 Ca^{2+} release channel

Amentoflavone; Ca^{2+} -induced Ca^{2+} release; Caffeine-binding site; Ryanodine receptor; Sarcoplasmic reticulum (Suzuki, A. (372) 97)

Carrageenan

Inflammation; Nitric oxide (NO); Peroxynitrite; Glutathione; Superoxide; Hydroxyl radical (Cuzzocrea, S. (372) 187)

 Ca^{2+} -sensitizer

MCI-154; Heart failure; Cardiomyopathic hamster; Survival rate (Kawasumi, H. (372) 175)

C57BL

Medial septum; Hippocampus lesion; Metrifonate; Spatial navigation; Alzheimer's disease; (Mouse) (Ikonen, S. (372) 117)

Cell death

Morphine; Peroxynitrite; Scavenging; Neuroblastoma (Kanesaki, T. (372) 319)

Cerebral blood flow, local

Eicosapentate; Middle cerebral artery occlusion; Cerebral glucose utilization, local; Peri-infarcted area (Katsumata, T. (372) 167)

Cerebral glucose utilization, local

Eicosapentate; Middle cerebral artery occlusion; Cerebral blood flow, local; Peri-infarcted area (Katsumata, T. (372) 167)

CHO (Chinese hamster ovary) cell

Angiotensin II; Angiotensin AT₁ receptor; Inositol phosphate; Antagonist; Surmountable; Insurmountable (Fierens, F.L.P. (372) 199)

Clathrin

G-protein coupled receptor; Wortmannin; Phosphoinositide (Sorensen, S.D. (372) 325)

Cocaine

Dopamine; Cortex, medial prefrontal; Nucleus accumbens; Locomotor activity (Hedou, G. (372) 143)

Constriction

Hypoxia; Relaxation; Endothelium; Thoracic aorta; N^G -nitro-L-arginine methyl ester (L-NAME); Free radical scavengers (Saiag, B. (372) 57)

Contractile dysfunction

Ca^{2+} channel; Ca^{2+} overload; Diltiazem; Ischemia; K^+ channel; Reperfusion; Na^+ channel; Na^+ overload; Tetrodotoxin (Tanonaka, K. (372) 37)

Coronary artery, human

Pharmacology, in vitro; RT-PCR; Immunocytochemistry; 5-HT_{1B} receptor; 5-HT_{2A} receptor (Nilsson, T. (372) 49)

Cortex

Venlafaxine; Antidepressant; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis; 5-HT_{1A} receptor; Hippocampus (Gur, E. (372) 17)

β -Adrenoceptor; N^G -nitro-L-arginine; Imipramine; Nitric Oxide (NO) synthase; (Mouse) (Karolewicz, B. (372) 215)

Cortex, medial prefrontal

Cocaine; Dopamine; Nucleus accumbens; Locomotor activity (Hedou, G. (372) 143)

Cyclosporin A

Encephalopathy; Tacrolimus; Blood-brain barrier; Cytotoxicity; *P*-glycoprotein (Kochi, S. (372) 287)

Cyclosporine

Flufenamic acid; Fluvastatin; Indomethacin; Low density lipoprotein; Peroxisome proliferator-activated receptor- γ (Al Rayyes, O. (372) 311)

Cytotoxicity

Encephalopathy; Cyclosporin A; Tacrolimus; Blood-brain barrier; *P*-glycoprotein (Kochi, S. (372) 287)

DADLE (D-Ala²,D-Leu⁵lenkephalin)

Methamphetamine; Neurotoxicity (Tsao, L.-I. (372) R5)

4-DAMP (4-Diphenylacetoxy-N-methylpiperidine methiodide)

Muscarinic cholinceptor; Airway; Inositol phosphate; Methocitramine; Atropine; Pirenzepine (Preuss, J.M.H. (372) 269)

Delayed vomiting

5-HT₃ receptor antagonist; Dexamethasone; (Dog) (Fukui, H. (372) 261)

Dexamethasone

Interleukin-1 receptor; Hippocampus; Theiler's murine encephalomyelitis virus (Lledó, A. (372) 75)

Delayed vomiting; 5-HT₃ receptor antagonist; (Dog) (Fukui, H. (372) 261)

Diabetes

Protein kinase C; Allodynia; Hyperalgesia; Substance P; (Mouse) (Ohsawa, M. (372) 221)

Diltiazem

Ca²⁺ channel; Ca²⁺ overload; Contractile dysfunction; Ischemia; K⁺ channel; Reperfusion; Na⁺ channel; Na⁺ overload; Tetrodotoxin (Tanonaka, K. (372) 37)

Dopamine

Cocaine; Cortex, medial prefrontal; Nucleus accumbens; Locomotor activity (Hedou, G. (372) 143)

Dopamine D₄ receptor

NGD 94-1; Antipsychotic (Gazi, L. (372) R9)

Dopamine-noradrenaline interaction

Yohimbine; Sexual exhaustion; Sexual behavior, male rat; Sexual motivation (Rodríguez-Manzo, G. (372) 1)

Eicosapentate

Middle cerebral artery occlusion; Cerebral blood flow, local; Cerebral glucose utilization, local; Peri-infarcted area (Katsumata, T. (372) 167)

Electrical stimulation

Basilar artery; Superoxide anion; K⁺ channel (Conde, M.V. (372) 179)

Encephalopathy

Cyclosporin A; Tacrolimus; Blood-brain barrier; Cytotoxicity; P-glycoprotein (Kochi, S. (372) 287)

Endomorphin-1

Endomorphin-2; Tail pressure test; Naloxonazine; β-Funaltrexamine (Sakurada, S. (372) 25)

Endomorphin-2

Endomorphin-1; Tail pressure test; Naloxonazine; β-Funaltrexamine (Sakurada, S. (372) 25)

Endothelin

Mitogen-activated protein kinase; Angiotensin; Aorta; Spontaneously hypertensive rat (SHR) (Kubo, T. (372) 279)

Endothelium

Hypoxia; Constriction; Relaxation; Thoracic aorta; N^G-nitro-L-arginine methyl ester (L-NAME); Free radical scavengers (Saiag, B. (372) 57)

ERK (extracellular signal-regulated kinase)

Proliferation; Apoptosis; JNK (*jun*-amino terminal kinase); P38 MAPK (P38 mitogen-activated protein kinase); Adrenomedullin (Parameswaran, N. (372) 85)

Failing heart

Tedisamil; Junctional conductance (De Mello, W.C. (372) 241)

Flufenamic acid

Cyclosporine; Fluvastatin; Indomethacin; Low density lipoprotein; Peroxisome proliferator-activated receptor-γ (Al Rayyes, O. (372) 311)

Fluoxetine

T-cell proliferation; Immune response; Protein kinase C; cAMP; Ca²⁺ (Ayelli Edgar, V. (372) 65)

Befloxatone; (±)-Pindolol; WAY 100,635; Forced swim test; 5-HT_{1A} receptor (Moser, P.C. (372) 127)

Fluvastatin

Cyclosporine; Flufenamic acid; Indomethacin; Low density lipoprotein; Peroxisome proliferator-activated receptor-γ (Al Rayyes, O. (372) 311)

Focal cerebral ischemia

α₂-Adrenoceptor agonist; Adverse side effect; Glutamate receptor antagonist; Neuroprotection; Prophylactic use (Jolkkonen, J. (372) 31)

Forced swimming

Nitric oxide (NO) synthase; Antidepressant; L-Arginine; N^G-Nitro-L-arginine; N^G-Monomethyl-L-arginine; N^G-Nitro-L-arginine methyl ester (Harkin, A.J. (372) 207)

Forced swim test

Fluoxetine; Befloxatone; (±)-Pindolol; WAY 100,635; 5-HT_{1A} receptor (Moser, P.C. (372) 127)

Free radical scavengers

Hypoxia; Constriction; Relaxation; Endothelium; Thoracic aorta; N^G-nitro-L-arginine methyl ester (L-NAME) (Saiag, B. (372) 57)

β-Funaltrexamine

Endomorphin-1; Endomorphin-2; Tail pressure test; Naloxonazine (Sakurada, S. (372) 25)

Gastric lesion

Kainic acid; Parapyramidal region (Yang, H. (372) R1)

Glutamate receptor antagonist

α₂-Adrenoceptor agonist; Adverse side effect; Focal cerebral ischemia; Neuroprotection; Prophylactic use (Jolkkonen, J. (372) 31)

Glutathione

Inflammation; Nitric oxide (NO); Peroxynitrite; Superoxide; Hydroxyl radical; Carrageenan (Cuzzocrea, S. (372) 187)

Gonadal steroid

Sex; α₂-Adrenoceptor; Rauwolscine; Idazoxan; UK-14304 (Chen, D.C. (372) 247)

G-protein coupled receptor

Wortmannin; Phosphoinositide; Clathrin (Sorensen, S.D. (372) 325)

[³H]Dopamine release

Leptin; [³H]Norepinephrine release; Hypothalamus (Brunetti, L. (372) 237)

Heart failure

MCI-154; Ca²⁺-sensitizer; Cardiomyopathic hamster; Survival rate (Kawasumi, H. (372) 175)

Hippocampus

Venlafaxine; Antidepressant; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis; 5-HT_{1A} receptor; Cortex (Gur, E. (372) 17)

Interleukin-1 receptor; Dexamethasone; Theiler's murine encephalomyelitis virus (Lledó, A. (372) 75)

Hippocampus lesion

Medial septum; Metrifonate; Spatial navigation; C57BL; Alzheimer's disease; (Mouse) (Ikonen, S. (372) 117)

[³H]Norepinephrine release

Leptin; [³H]Dopamine release; Hypothalamus (Brunetti, L. (372) 237)

5-HT (5-hydroxytryptamine, serotonin)

Venlafaxine; Antidepressant; Microdialysis; 5-HT_{1A} receptor; Cortex; Hippocampus (Gur, E. (372) 17)

5-HT_{1A} receptor

Venlafaxine; Antidepressant; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis; Cortex; Hippocampus (Gur, E. (372) 17)

5-HT_{1B} receptor

Coronary artery, human; Pharmacology, in vitro; RT-PCR; Immunocytochemistry; 5-HT_{2A} receptor (Nilsson, T. (372) 49)

5-HT_{2A} receptor

Coronary artery, human; Pharmacology, in vitro; RT-PCR; Immunocytochemistry; 5-HT_{1B} receptor (Nilsson, T. (372) 49)

5-HT_{1A} receptor

Fluoxetine; Befloxadone; (±)-Pindolol; WAY 100,635; Forced swim test (Moser, P.C. (372) 127)

5-HT₃ receptor antagonist

Delayed vomiting; Dexamethasone; (Dog) (Fukui, H. (372) 261)

Hydroxyl radical

Inflammation; Nitric oxide (NO); Peroxynitrite; Glutathione; Superoxide; Carrageenan (Cuzzocrea, S. (372) 187)

Hyperalgesia

Diabetes; Protein kinase C; Allodynia; Substance P; (Mouse) (Ohsawa, M. (372) 221)

Hypothalamus

Leptin; [³H]Norepinephrine release; [³H]Dopamine release (Brunetti, L. (372) 237)

Hypoxia

Constriction; Relaxation; Endothelium; Thoracic aorta; N^G-nitro-L-arginine methyl ester (L-NAME); Free radical scavengers (Saiag, B. (372) 57)

Iberiotoxin

Paxilline; K⁺ channel, Ca²⁺-activated; Smooth muscle, vascular (Li, G. (372) 103)

Idazoxan

Sex; α₂-Adrenoceptor; Gonadal steroid; Rauwolscine; UK-14304 (Chen, D.C. (372) 247)

Imipramine

β-Adrenoceptor; N^G-nitro-L-arginine; Nitric Oxide (NO) synthase; Cortex; (Mouse) (Karolewicz, B. (372) 215)

Immune response

T-cell proliferation; Fluoxetine; Protein kinase C; cAMP; Ca²⁺ (Ayelli Edgar, V. (372) 65)

Immunocytochemistry

Coronary artery, human; Pharmacology, in vitro; RT-PCR; 5-HT_{1B} receptor; 5-HT_{2A} receptor (Nilsson, T. (372) 49)

Indomethacin

Cyclosporine; Flufenamic acid; Fluvastatin; Low density lipoprotein; Peroxisome proliferator-activated receptor-γ (Al Rayyes, O. (372) 311)

Inflammation

Nitric oxide (NO); Peroxynitrite; Glutathione; Superoxide; Hydroxyl radical; Carrageenan (Cuzzocrea, S. (372) 187)

Inositol phosphate

Angiotensin II; Angiotensin AT₁ receptor; CHO (Chinese hamster ovary) cell; Antagonist; Surmountable; Insurmountable (Fierens, F.L.P. (372) 199)

Muscarinic cholinergic; Airway; Methocramine; Atropine; Pirenzepine; 4-DAMP (4-Diphenylacetoxy-N-methylpiperidine methiodide) (Preuss, J.M.H. (372) 269)

Insurmountable

Angiotensin II; Angiotensin AT₁ receptor; CHO (Chinese hamster ovary) cell; Inositol phosphate; Antagonist; Surmountable (Fierens, F.L.P. (372) 199)

Interleukin-1 receptor

Hippocampus; Dexamethasone; Theiler's murine encephalomyelitis virus (Lledó, A. (372) 75)

Ischemia

Ca²⁺ channel; Ca²⁺ overload; Contractile dysfunction; Diltiazem; K⁺ channel; Reperfusion; Na⁺ channel; Na⁺ overload; Tetrodotoxin (Tanonaka, K. (372) 37)

Prolyl endopeptidase inhibitor; Z-Pro-Prolinal; ZTTA (N-benzyl-oxy carbonyl-thiopropyl-thioprolinal-dimethylacetal); Pyramidal cell; Neuronal death, delayed; Vasopressin-(4-9) (Shishido, Y. (372) 135)

JNK (jun-amino terminal kinase)

Proliferation; Apoptosis; ERK (extracellular signal-regulated kinase); P38 MAPK (P38 mitogen-activated protein kinase); Adrenomedullin (Parameswaran, N. (372) 85)

Junctional conductance

Tedisamil; Failing heart (De Mello, W.C. (372) 241)

Kainic acid

Gastric lesion; Parapyramidal region (Yang, H. (372) R1)

K⁺ channel

Ca²⁺ channel; Ca²⁺ overload; Contractile dysfunction; Diltiazem; Ischemia; Reperfusion; Na⁺ channel; Na⁺ overload; Tetrodotoxin (Tanonaka, K. (372) 37)

Basilar artery; Electrical stimulation; Superoxide anion (Conde, M.V. (372) 179)

K⁺ channel, Ca²⁺-activated

Paxilline; Smooth muscle, vascular; Iberiotoxin (Li, G. (372) 103)

K⁺, extracellular

MTT (3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide); Ca²⁺; Tetrodotoxin; Veratridine; Na⁺ channel, voltage-sensitive (Takahashi, S. (372) 297)

Kidney

NKH477; cAMP; (Dog) (Tanahashi, M. (372) 253)

Leptin

[³H]Norepinephrine release; [³H]Dopamine release; Hypothalamus (Brunetti, L. (372) 237)

Locomotor activity

Cocaine; Dopamine; Cortex, medial prefrontal; Nucleus accumbens (Hedou, G. (372) 143)

Locus coeruleus

Opioid tetrapeptide; μ -Opioid receptor agonist; Structure–activity relationship (Yang, Y.-R. (372) 229)

Low density lipoprotein

Cyclosporine; Flufenamic acid; Fluvastatin; Indomethacin; Peroxisome proliferator-activated receptor- γ (Al Rayyes, O. (372) 311)

MCI-154

Ca²⁺-sensitizer; Heart failure; Cardiomyopathic hamster; Survival rate (Kawasumi, H. (372) 175)

Medial septum

Hippocampus lesion; Metrifonate; Spatial navigation; C57BL; Alzheimer's disease; (Mouse) (Ikonen, S. (372) 117)

Memory storage

Noradrenergic system; Basolateral amygdala; α -Adrenoceptor; β -Adrenoceptor (Ferry, B. (372) 9)

Methamphetamine

DADLE ([D-Ala²,D-Leu⁵]enkephalin); Neurotoxicity (Tsao, L.-I. (372) R5)

Methoctramine

Muscarinic cholinergic receptor; Airway; Inositol phosphate; Atropine; Pirenzepine; 4-DAMP (4-Diphenylacetoxy-*N*-methylpiperidine methiodide) (Preuss, J.M.H. (372) 269)

Metrifonate

Medial septum; Hippocampus lesion; Spatial navigation; C57BL; Alzheimer's disease; (Mouse) (Ikonen, S. (372) 117)

Microdialysis

Venlafaxine; Antidepressant; 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1A} receptor; Cortex; Hippocampus (Gur, E. (372) 17)

Middle cerebral artery occlusion

Eicosapentate; Cerebral blood flow, local; Cerebral glucose utilization, local; Peri-infarcted area (Katsumata, T. (372) 167)

Mitogen-activated protein kinase

Angiotensin; Endothelin; Aorta; Spontaneously hypertensive rat (SHR) (Kubo, T. (372) 279)

***N*^G-Monomethyl-L-arginine**

Nitric oxide (NO) synthase; Antidepressant; Forced swimming; L-Arginine; *N*^G-Nitro-L-arginine; *N*^G-Nitro-L-arginine methyl ester (Harkin, A.J. (372) 207)

Morphine

Peroxyinitrite; Cell death; Scavenging; Neuroblastoma (Kanesaki, T. (372) 319)

MTT (3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide)

Ca²⁺; K⁺, extracellular; Tetrodotoxin; Veratridine; Na⁺ channel, voltage-sensitive (Takahashi, S. (372) 297)

Muscarinic cholinergic receptor

Airway; Inositol phosphate; Methoctramine; Atropine; Pirenzepine; 4-DAMP (4-Diphenylacetoxy-*N*-methylpiperidine methiodide) (Preuss, J.M.H. (372) 269)

Na⁺ channel

Ca²⁺ channel; Ca²⁺ overload; Contractile dysfunction; Diltiazem; Ischemia; K⁺ channel; Reperfusion; Na⁺ overload; Tetrodotoxin (Tanonaka, K. (372) 37)

Na⁺ channel, voltage-sensitive

MTT (3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide); Ca²⁺; K⁺, extracellular; Tetrodotoxin; Veratridine (Takahashi, S. (372) 297)

Naloxonazine

Endomorphin-1; Endomorphin-2; Tail pressure test; β -Funaltrexamine (Sakurada, S. (372) 25)

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

Hypoxia; Constriction; Relaxation; Endothelium; Thoracic aorta; Free radical scavengers (Saiag, B. (372) 57)

Na⁺ overload

Ca²⁺ channel; Ca²⁺ overload; Contractile dysfunction; Diltiazem; Ischemia; K⁺ channel; Reperfusion; Na⁺ channel; Tetrodotoxin (Tanonaka, K. (372) 37)

Neuroblastoma

Morphine; Peroxynitrite; Cell death; Scavenging (Kanesaki, T. (372) 319)

Neuroblastoma cell, human

α_2 -Adrenoceptor; α_{2C} -Adrenoceptor; SH-SY5Y cell, human; cAMP (Parsley, S. (372) 109)

Neuronal death, delayed

Prolyl endopeptidase inhibitor; Z-Pro-Prolinal; ZTTA (*N*-benzyl-oxy-carbonyl-thioprol-yl-thioprolinal-dimethylacetal); Ischemia; Pyramidal cell; Vasopressin-(4–9) (Shishido, Y. (372) 135)

Neuroprotection

α_2 -Adrenoceptor agonist; Adverse side effect; Focal cerebral ischemia; Glutamate receptor antagonist; Prophylactic use (Jolkkonen, J. (372) 31)

Neurotoxicity

DADLE ([D-Ala²,D-Leu⁵]enkephalin); Methamphetamine (Tsao, L.-I. (372) R5)

NGD 94-1

Dopamine D₄ receptor; Antipsychotic (Gazi, L. (372) R9)

Nitric oxide (NO)

Aminoguanidine; Vascular remodeling; Apoptosis; Smooth muscle cell, vascular death; Restenosis (Hansen, P.R. (372) 157)

Inflammation; Peroxynitrite; Glutathione; Superoxide; Hydroxyl radical; Carrageenan (Cuzzocrea, S. (372) 187)

Nitric oxide (NO) synthase

Antidepressant; Forced swimming; L-Arginine; *N*^G-Nitro-L-arginine; *N*^G-Monomethyl-L-arginine; *N*^G-Nitro-L-arginine methyl ester (Harkin, A.J. (372) 207)

Nitric Oxide (NO) synthase

β -Adrenoceptor; *N*^G-nitro-L-arginine; Imipramine; Cortex; (Mouse) (Karolewicz, B. (372) 215)

***N*^G-Nitro-L-arginine**

Nitric oxide (NO) synthase; Antidepressant; Forced swimming; L-Arginine; *N*^G-Monomethyl-L-arginine; *N*^G-Nitro-L-arginine methyl ester (Harkin, A.J. (372) 207)

***N*^G-Nitro-L-arginine methyl ester**

Nitric oxide (NO) synthase; Antidepressant; Forced swimming; L-Arginine; *N*^G-Nitro-L-arginine; *N*^G-Monomethyl-L-arginine (Harkin, A.J. (372) 207)

NKH477

cAMP; Kidney; (Dog) (Tanahashi, M. (372) 253)

***N*^G-nitro-L-arginine**

β-Adrenoceptor; Imipramine; Nitric Oxide (NO) synthase; Cortex; (Mouse) (Karolewicz, B. (372) 215)

Noradrenergic system

Basolateral amygdala; Memory storage; α-Adrenoceptor; β-Adrenoceptor (Ferry, B. (372) 9)

Nucleus accumbens

Cocaine; Dopamine; Cortex, medial prefrontal; Locomotor activity (Hedou, G. (372) 143)

μ-Opioid receptor agonist

Opioid tetrapeptide; Structure–activity relationship; Locus coeruleus (Yang, Y.-R. (372) 229)

Opioid tetrapeptide

μ-Opioid receptor agonist; Structure–activity relationship; Locus coeruleus (Yang, Y.-R. (372) 229)

Parapyramidal region

Kainic acid; Gastric lesion (Yang, H. (372) R1)

Paxilline

K⁺ channel, Ca²⁺-activated; Smooth muscle, vascular; Iberiotoxin (Li, G. (372) 103)

Peri-infarcted area

Eicosapentate; Middle cerebral artery occlusion; Cerebral blood flow, local; Cerebral glucose utilization, local (Katsumata, T. (372) 167)

Peroxisome proliferator-activated receptor-γ

Cyclosporine; Flufenamic acid; Fluvastatin; Indomethacin; Low density lipoprotein (Al Rayyes, O. (372) 311)

Peroxyinitrite

Inflammation; Nitric oxide (NO); Glutathione; Superoxide; Hydroxyl radical; Carrageenan (Cuzzocrea, S. (372) 187)

Morphine; Cell death; Scavenging; Neuroblastoma (Kanesaki, T. (372) 319)

***P*-glycoprotein**

Encephalopathy; Cyclosporin A; Tacrolimus; Blood–brain barrier; Cytotoxicity (Kochi, S. (372) 287)

Pharmacology, in vitro

Coronary artery, human; RT-PCR; Immunocytochemistry; 5-HT_{1B} receptor; 5-HT_{2A} receptor (Nilsson, T. (372) 49)

Phosphoinositide

G-protein coupled receptor; Wortmannin; Clathrin (Sorensen, S.D. (372) 325)

(±)-Pindolol

Fluoxetine; Befloxatone; WAY 100,635; Forced swim test; 5-HT_{1A} receptor (Moser, P.C. (372) 127)

Pirenzepine

Muscarinic cholinceptor; Airway; Inositol phosphate; Methocramine; Atropine; 4-DAMP (4-Diphenylacetoxy-*N*-methylpiperidine methiodide) (Preuss, J.M.H. (372) 269)

Platelet aggregation

ADP; P2X1 purinoceptor; Ca²⁺, intracellular; Platelet, rabbit (Takano, S. (372) 305)

Platelet, rabbit

ADP; Platelet aggregation; P2X1 purinoceptor; Ca²⁺, intracellular (Takano, S. (372) 305)

P38 MAPK (P38 mitogen-activated protein kinase)

Proliferation; Apoptosis; ERK (extracellular signal-regulated kinase); JNK (*jun*-amino terminal kinase); Adrenomedullin (Parameswaran, N. (372) 85)

Proliferation

Apoptosis; ERK (extracellular signal-regulated kinase); JNK (*jun*-amino terminal kinase); P38 MAPK (P38 mitogen-activated protein kinase); Adrenomedullin (Parameswaran, N. (372) 85)

Prolyl endopeptidase inhibitor

Z-Pro-Prolinal; ZTTA (*N*-benzyloxycarbonyl-thioprollyl-thioprolinal-dimethylacetal); Ischemia; Pyramidal cell; Neuronal death, delayed; Vasopressin-(4–9) (Shishido, Y. (372) 135)

Prophylactic use

α₂-Adrenoceptor agonist; Adverse side effect; Focal cerebral ischemia; Glutamate receptor antagonist; Neuroprotection (Jolkkonen, J. (372) 31)

Z-Pro-Prolinal

Prolyl endopeptidase inhibitor; ZTTA (*N*-benzyloxycarbonyl-thioprollyl-thioprolinal-dimethylacetal); Ischemia; Pyramidal cell; Neuronal death, delayed; Vasopressin-(4–9) (Shishido, Y. (372) 135)

Protein kinase C

T-cell proliferation; Fluoxetine; Immune response; cAMP; Ca²⁺ (Ayelli Edgar, V. (372) 65)

Diabetes; Allodynia; Hyperalgesia; Substance P; (Mouse) (Ohsawa, M. (372) 221)

P2X1 purinoceptor

ADP; Platelet aggregation; Ca²⁺, intracellular; Platelet, rabbit (Takano, S. (372) 305)

Pyramidal cell

Prolyl endopeptidase inhibitor; Z-Pro-Prolinal; ZTTA (*N*-benzyloxycarbonyl-thioprollyl-thioprolinal-dimethylacetal); Ischemia; Neuronal death, delayed; Vasopressin-(4–9) (Shishido, Y. (372) 135)

Rauwolfscine

Sex; α₂-Adrenoceptor; Gonadal steroid; Idazoxan; UK-14304 (Chen, D.C. (372) 247)

Relaxation

Hypoxia; Constriction; Endothelium; Thoracic aorta; *N*^G-nitro-L-arginine methyl ester (L-NAME); Free radical scavengers (Saiğ, B. (372) 57)

Reperfusion

Ca²⁺ channel; Ca²⁺ overload; Contractile dysfunction; Diltiazem; Ischemia; K⁺ channel; Na⁺ channel; Na⁺ overload; Tetrodotoxin (Tanonaka, K. (372) 37)

Restenosis

Aminoguanidine; Nitric oxide (NO); Vascular remodeling; Apoptosis; Smooth muscle cell, vascular death (Hansen, P.R. (372) 157)

RT-PCR

Coronary artery, human; Pharmacology, in vitro; Immunocytochemistry; 5-HT_{1B} receptor; 5-HT_{2A} receptor (Nilsson, T. (372) 49)

Ryanodine receptor

Amentoflavone; Ca²⁺-induced Ca²⁺ release; Caffeine-binding site; Ca²⁺ release channel; Sarcoplasmic reticulum (Suzuki, A. (372) 97)

Sarcoplasmic reticulum

Amentoflavone; Ca²⁺-induced Ca²⁺ release; Caffeine-binding site; Ca²⁺ release channel; Ryanodine receptor (Suzuki, A. (372) 97)

Scavenging

Morphine; Peroxynitrite; Cell death; Neuroblastoma (Kanesaki, T. (372) 319)

Sex

α₂-Adrenoceptor; Gonadal steroid; Rauwolscine; Idazoxan; UK-14304 (Chen, D.C. (372) 247)

Sexual behavior, male rat

Yohimbine; Sexual exhaustion; Dopamine-noradrenaline interaction; Sexual motivation (Rodríguez-Manzo, G. (372) 1)

Sexual exhaustion

Yohimbine; Dopamine-noradrenaline interaction; Sexual behavior, male rat; Sexual motivation (Rodríguez-Manzo, G. (372) 1)

Sexual motivation

Yohimbine; Sexual exhaustion; Dopamine-noradrenaline interaction; Sexual behavior, male rat (Rodríguez-Manzo, G. (372) 1)

SH-SY5Y cell, human

α₂-Adrenoceptor; α_{2C}-Adrenoceptor; Neuroblastoma cell, human; cAMP (Parsley, S. (372) 109)

Smooth muscle cell, vascular death

Aminoguanidine; Nitric oxide (NO); Vascular remodeling; Apoptosis; Restenosis (Hansen, P.R. (372) 157)

Smooth muscle, vascular

Paxilline; K⁺ channel, Ca²⁺-activated; Iberiotoxin (Li, G. (372) 103)

Spatial navigation

Medial septum; Hippocampus lesion; Metrifonate; C57BL; Alzheimer's disease; (Mouse) (Ikonen, S. (372) 117)

Spontaneously hypertensive rat (SHR)

Mitogen-activated protein kinase; Angiotensin; Endothelin; Aorta (Kubo, T. (372) 279)

Structure–activity relationship

Opioid tetrapeptide; μ-Opioid receptor agonist; Locus coeruleus (Yang, Y.-R. (372) 229)

Substance P

Diabetes; Protein kinase C; Allodynia; Hyperalgesia; (Mouse) (Ohsawa, M. (372) 221)

Superoxide

Inflammation; Nitric oxide (NO); Peroxynitrite; Glutathione; Hydroxyl radical; Carrageenan (Cuzzocrea, S. (372) 187)

Superoxide anion

Basilar artery; Electrical stimulation; K⁺ channel (Conde, M.V. (372) 179)

Surmountable

Angiotensin II; Angiotensin AT₁ receptor; CHO (Chinese hamster ovary) cell; Inositol phosphate; Antagonist; Insurmountable (Fierens, F.L.P. (372) 199)

Survival rate

MCI-154; Ca²⁺-sensitizer; Heart failure; Cardiomyopathic hamster (Kawasumi, H. (372) 175)

Tacrolimus

Encephalopathy; Cyclosporin A; Blood–brain barrier; Cytotoxicity; P-glycoprotein (Kochi, S. (372) 287)

Tail pressure test

Endomorphin-1; Endomorphin-2; Naloxonazine; β-Funaltrexamine (Sakurada, S. (372) 25)

T-cell proliferation

Fluoxetine; Immune response; Protein kinase C; cAMP; Ca²⁺ (Ayelli Edgar, V. (372) 65)

Tedisamil

Junctional conductance; Failing heart (De Mello, W.C. (372) 241)

Tetrodotoxin

Ca²⁺ channel; Ca²⁺ overload; Contractile dysfunction; Diltiazem; Ischemia; K⁺ channel; Reperfusion; Na⁺ channel; Na⁺ overload (Tanonaka, K. (372) 37)

MTT (3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide); Ca²⁺; K⁺, extracellular; Veratridine; Na⁺ channel, voltage-sensitive (Takahashi, S. (372) 297)

Theiler's murine encephalomyelitis virus

Interleukin-1 receptor; Hippocampus; Dexamethasone (Lledó, A. (372) 75)

Thoracic aorta

Hypoxia; Constriction; Relaxation; Endothelium; N^G-nitro-L-arginine methyl ester (L-NAME); Free radical scavengers (Saiag, B. (372) 57)

UK-14304

Sex; α₂-Adrenoceptor; Gonadal steroid; Rauwolscine; Idazoxan (Chen, D.C. (372) 247)

Vascular remodeling

Aminoguanidine; Nitric oxide (NO); Apoptosis; Smooth muscle cell, vascular death; Restenosis (Hansen, P.R. (372) 157)

Vasopressin-(4–9)

Prolyl endopeptidase inhibitor; Z-Pro-Prolinal; ZTTA (N-benzyl-oxy carbonyl-thiopropyl-thioprolinal-dimethylacetal); Ischemia; Pyramidal cell; Neuronal death, delayed (Shishido, Y. (372) 135)

Venlafaxine

Antidepressant; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis; 5-HT_{1A} receptor; Cortex; Hippocampus (Gur, E. (372) 17)

Veratridine

MTT (3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide); Ca^{2+} ; K^{+} , extracellular; Tetrodotoxin; Na^{+} channel, voltage-sensitive (Takahashi, S. (372) 297)

WAY 100,635

Fluoxetine; Befloxatone; ($\pm$)-Pindolol; Forced swim test; 5-HT_{1A} receptor (Moser, P.C. (372) 127)

Wortmannin

G-protein coupled receptor; Phosphoinositide; Clathrin (Sorensen, S.D. (372) 325)

Yohimbine

Sexual exhaustion; Dopamine-noradrenaline interaction; Sexual behavior, male rat; Sexual motivation (Rodríguez-Manzo, G. (372) 1)

ZTTA (N-benzyloxycarbonyl-thiopropyl-thioprolinal-dimethylacetal)

Prolyl endopeptidase inhibitor; Z-Pro-Prolinal; Ischemia; Pyramidal cell; Neuronal death, delayed; Vasopressin-(4–9) (Shishido, Y. (372) 135)