

Keyword index

Adenosine

Ischemia; Vasodilation; Prostacyclin; DPCPX (1,3-dipropyl-8-cyclopentylxanthine); DMPX (3,7-dimethyl-1-propargylxanthine); Indomethacin; (Guinea pig) (Stangl, V. (377) 43)

Adenosine A₁ receptor

Ketorolac; Caffeine; Potentiation; cGMP (Aguirre-Bañuelos, P. (377) 175)

Anococcygeus muscle, female mouse

Nitroergic neurotransmission; Nitroarginine; ODQ; Urogenital smooth muscle, female mouse; Zaprinast (O'Kane, K. (377) 69)

Antagonism

Neuropeptide Y; Feeding; Food deprivation; (Goldfish) (López-Patiño, M.A. (377) 147)

Antioxidant

Pancreatitis; Caerulein; Oxygen reactive species; Nitric oxide (NO) (Dąbrowski, A. (377) 1)

Antisense oligonucleotide

κ-Opioid receptor; Hippocampus; Blood pressure (Wright, R.C. (377) 57)

Aorta, rat

Genistein; Nitroglycerin; Relaxation; Phosphodiesterase cAMP-dependent (Satake, N. (377) 193)

Aortic ring

Lipopolysaccharide; Endothelium; Vasorelaxation; *N*^ω-monomethyl-L-arginine (Pu, Q. (377) 209)

Apomorphine

Dextromethorphan; Morphine; Naloxone; NMDA receptor antagonist; Withdrawal sign; (Mouse) (Farzin, D. (377) 35)

Apoptosis

Delayed-type hypersensitivity; Liver injury; Picryl chloride; Astilbin; Hepatoprotection (Xu, Q. (377) 93)

Asthma

NF-κB (Nuclear factor-κB); Transcription factor; Neutrophilic inflammation; Ozone (Hisada, T. (377) 63)

Astilbin

Delayed-type hypersensitivity; Liver injury; Picryl chloride; Hepatoprotection; Apoptosis (Xu, Q. (377) 93)

Bay K 8644

Cardiac muscle; Mechanical force; Ca²⁺ level, cytosolic; Fura-PE3; Ouabain (Miyamoto, S. (377) 199)

Behavioral sleep

Ethanol; Ifenprodil; Ethanol withdrawal; NMDA receptor; 5-HT₃ receptor (Malinowska, B. (377) 13)

Blood pressure

Cocaine; Lidocaine; Flecainide; Heart rate; ECG (Erzouki, H.K. (377) 51)

κ-Opioid receptor; Hippocampus; Antisense oligonucleotide (Wright, R.C. (377) 57)

Burimamide

Histamine H₃ receptor; [³H]N^α-methylhistamine binding, human, primate; Thioperamide (West Jr., R.E. (377) 233)

Ca²⁺

Calmodulin; Carbachol; Electrolyte transport; K⁺ transport; K⁺ channel; H⁺–K⁺–ATPase; Protein kinase C; Colon rat (Heinke, B. (377) 75)

Caerulein

Pancreatitis; Oxygen reactive species; Antioxidant; Nitric oxide (NO) (Dąbrowski, A. (377) 1)

Caffeine

Ketorolac; Potentiation; Adenosine A₁ receptor; cGMP (Aguirre-Bañuelos, P. (377) 175)

Ca²⁺ level, cytosolic

Cardiac muscle; Mechanical force; Fura-PE3; Ouabain; Bay K 8644 (Miyamoto, S. (377) 199)

Calmodulin

Ca²⁺; Carbachol; Electrolyte transport; K⁺ transport; K⁺ channel; H⁺–K⁺–ATPase; Protein kinase C; Colon rat (Heinke, B. (377) 75)

Cannabinoid

Cannabinoid receptor antagonist; GTPγS binding; Radioligand binding; Cannabinoid CB₂ receptor; SR144528 (Griffin, G. (377) 117)

Cannabinoid CB₂ receptor

Cannabinoid; Cannabinoid receptor antagonist; GTPγS binding; Radioligand binding; SR144528 (Griffin, G. (377) 117)

Cannabinoid receptor antagonist

Cannabinoid; GTPγS binding; Radioligand binding; Cannabinoid CB₂ receptor; SR144528 (Griffin, G. (377) 117)

Carbachol

Ca²⁺; Calmodulin; Electrolyte transport; K⁺ transport; K⁺ channel; H⁺–K⁺–ATPase; Protein kinase C; Colon rat (Heinke, B. (377) 75)

Cardiac muscle

Mechanical force; Ca²⁺ level, cytosolic; Fura-PE3; Ouabain; Bay K 8644 (Miyamoto, S. (377) 199)

Central nervous system

Prostanoid receptor; DP; Prostaglandin D₂; Gastrointestinal tract; (Rat) (Wright, D.H. (377) 101)

CHO (chinese hamster ovary) cell

Nucleoside diphosphate kinase; μ -Opioid receptor; G protein; GTP γ S binding; Receptor binding (Zhang, D. (377) 223)

Cholesterol

Metformin; Insulin receptor; Non-insulin dependent diabetes mellitus therapy (Meuillet, E.J. (377) 241)

Clozapine

Dopamine receptor; Extrapyramidal sign (Wadenberg, M.-L. (377) R1)

Cocaine

Lidocaine; Flecainide; Heart rate; Blood pressure; ECG (Erzouki, H.K. (377) 51)

Seizure; Methamphetamine; MDMA (methylenedioxymethamphetamine) (Hanson, G.R. (377) 167)

Colon rat

Ca²⁺; Calmodulin; Carbachol; Electrolyte transport; K⁺ transport; K⁺ channel; H⁺–K⁺–ATPase; Protein kinase C (Heinke, B. (377) 75)

Delayed-type hypersensitivity

Liver injury; Picryl chloride; Astilbin; Hepatoprotection; Apoptosis (Xu, Q. (377) 93)

S-(+)-Deprenyl

R-(–)-Deprenyl (selegiline); NMDA, *N*-methyl-D-aspartate; Slice culture; Mesencephalon; Dopaminergic neuron (Shimazu, S. (377) 29)

R-(–)-Deprenyl (selegiline)

S-(+)-Deprenyl; NMDA, *N*-methyl-D-aspartate; Slice culture; Mesencephalon; Dopaminergic neuron (Shimazu, S. (377) 29)

Desensitization

Receptor regulation; Internalization; Down-regulation; Phosphoinositide hydrolysis; Phosphorylation (Shockley, M.S. (377) 137)

Dextromethorphan

Morphine; Naloxone; Apomorphine; NMDA receptor antagonist; Withdrawal sign; (Mouse) (Farzin, D. (377) 35)

Diabetes mellitus

Oxidant stress; Insulin resistance; Obese, Zucker rat (Laight, D.W. (377) 89)

DMPX (3,7-dimethyl-1-propargylxanthine)

Ischemia; Vasodilation; Adenosine; Prostacyclin; DPCPX (1,3-dipropyl-8-cyclopentylxanthine); Indomethacin; (Guinea pig) (Stangl, V. (377) 43)

Dopamine receptor

Clozapine; Extrapyramidal sign (Wadenberg, M.-L. (377) R1)

Dopaminergic neuron

R-(–)-Deprenyl (selegiline); S-(+)-Deprenyl; NMDA, *N*-methyl-D-aspartate; Slice culture; Mesencephalon (Shimazu, S. (377) 29)

Down-regulation

Receptor regulation; Internalization; Desensitization; Phosphoinositide hydrolysis; Phosphorylation (Shockley, M.S. (377) 137)

DP

Prostanoid receptor; Prostaglandin D₂; Central nervous system; Gastrointestinal tract; (Rat) (Wright, D.H. (377) 101)

DPCPX (1,3-dipropyl-8-cyclopentylxanthine)

Ischemia; Vasodilation; Adenosine; Prostacyclin; DMPX (3,7-dimethyl-1-propargylxanthine); Indomethacin; (Guinea pig) (Stangl, V. (377) 43)

Drug discrimination

Naloxone; Morphine withdrawal; Nitric oxide (NO) synthase inhibitor; Y-maze; (Rat) (Medvedev, I.O. (377) 183)

ECG

Cocaine; Lidocaine; Flecainide; Heart rate; Blood pressure (Erzouki, H.K. (377) 51)

Electrolyte transport

Ca²⁺; Calmodulin; Carbachol; K⁺ transport; K⁺ channel; H⁺–K⁺–ATPase; Protein kinase C; Colon rat (Heinke, B. (377) 75)

Endothelium

Lipopolysaccharide; Aortic ring; Vasorelaxation; *N*^ω-monomethyl-L-arginine (Pu, Q. (377) 209)

Ethanol

Ifenprodil; Ethanol withdrawal; Behavioral sleep; NMDA receptor; 5-HT₃ receptor (Malinowska, B. (377) 13)

Ethanol withdrawal

Ethanol; Ifenprodil; Behavioral sleep; NMDA receptor; 5-HT₃ receptor (Malinowska, B. (377) 13)

Excitotoxicity

Group II mGlu receptor agonist; Glutamate (Kingston, A.E. (377) 155)

Extrapyramidal sign

Dopamine receptor; Clozapine (Wadenberg, M.-L. (377) R1)

Feeding

Neuropeptide Y; Food deprivation; Antagonism; (Goldfish) (López-Patiño, M.A. (377) 147)

Fixed interval

κ -Opioid receptor; Naltrexone; Nor-binaltorphimine; (Squirrel monkey) (Powell, K.R. (377) 21)

Flecainide

Cocaine; Lidocaine; Heart rate; Blood pressure; ECG (Erzouki, H.K. (377) 51)

Food deprivation

Neuropeptide Y; Feeding; Antagonism; (Goldfish) (López-Patiño, M.A. (377) 147)

Fura-PE3

Cardiac muscle; Mechanical force; Ca²⁺ level, cytosolic; Ouabain; Bay K 8644 (Miyamoto, S. (377) 199)

Gastrointestinal tract

Prostanoid receptor; DP; Prostaglandin D₂; Central nervous system; (Rat) (Wright, D.H. (377) 101)

Genistein

Nitroglycerin; Relaxation; Aorta, rat; Phosphodiesterase cAMP-dependent (Satake, N. (377) 193)

Glaucone

Intestine; Prostaglandin; Leukotriene; Protein kinase C (Izzo, A.A. (377) 215)

Glucose metabolism

(Pelé-Tounian, A. (377) 81)

Glucose uptake

Metformin; Insulin; *Xenopus* oocytes; Parathyroid hormone; GLUT4; Intrinsic activity (Detaillé, D. (377) 127)

GLUT4

Metformin; Insulin; *Xenopus* oocytes; Glucose uptake; Parathyroid hormone; Intrinsic activity (Detaille, D. (377) 127)

Glutamate

Group II mGlu receptor agonist; Excitotoxicity (Kingston, A.E. (377) 155)

cGMP

Ketorolac; Caffeine; Potentiation; Adenosine A₁ receptor (Aguirre-Bañuelos, P. (377) 175)

G protein

Nucleoside diphosphate kinase; μ -Opioid receptor; GTP γ S binding; CHO (chinese hamster ovary) cell; Receptor binding (Zhang, D. (377) 223)

Group II mGlu receptor agonist

Glutamate; Excitotoxicity (Kingston, A.E. (377) 155)

GTP γ S binding

Cannabinoid; Cannabinoid receptor antagonist; Radioligand binding; Cannabinoid CB₂ receptor; SR144528 (Griffin, G. (377) 117)

Nucleoside diphosphate kinase; μ -Opioid receptor; G protein; CHO (chinese hamster ovary) cell; Receptor binding (Zhang, D. (377) 223)

Heart rate

Cocaine; Lidocaine; Flecainide; Blood pressure; ECG (Erzouki, H.K. (377) 51)

Hepatoprotection

Delayed-type hypersensitivity; Liver injury; Picryl chloride; Astilbin; Apoptosis (Xu, Q. (377) 93)

Hippocampus

κ -Opioid receptor; Blood pressure; Antisense oligonucleotide (Wright, R.C. (377) 57)

Histamine H₃ receptor

[³H]N ^{α} -methylhistamine binding, human, primate; Thioperamide; Burimamide (West Jr., R.E. (377) 233)

H⁺-K⁺-ATPase

Ca²⁺; Calmodulin; Carbachol; Electrolyte transport; K⁺ transport; K⁺ channel; Protein kinase C; Colon rat (Heinke, B. (377) 75)

[³H]N ^{α} -methylhistamine binding, human, primate

Histamine H₃ receptor; Thioperamide; Burimamide (West Jr., R.E. (377) 233)

5-HT_{1A} autoreceptor

Pindolol; WAY-100635; Serotonergic neuronal activity; 5-HT (5-hydroxytryptamine), extracellular; Serotonin; Microdialysis (Fornal, C.A. (377) 187)

5-HT (5-hydroxytryptamine), extracellular

Pindolol; WAY-100635; 5-HT_{1A} autoreceptor; Serotonergic neuronal activity; Serotonin; Microdialysis (Fornal, C.A. (377) 187)

5-HT₃ receptor

Ethanol; Ifenprodil; Ethanol withdrawal; Behavioral sleep; NMDA receptor (Malinowska, B. (377) 13)

Ifenprodil

Ethanol; Ethanol withdrawal; Behavioral sleep; NMDA receptor; 5-HT₃ receptor (Malinowska, B. (377) 13)

Imidazoline

Non-insulin-dependent diabetes mellitus; S-22068; Insulin secretion, in vitro; K_{ATP}⁺ channels (Pelé-Tounian, A. (377) 81)

Indomethacin

Ischemia; Vasodilation; Adenosine; Prostacyclin; DPCPX (1,3-dipropyl-8-cyclopentylxanthine); DMPX (3,7-dimethyl-1-propargylxanthine); (Guinea pig) (Stangl, V. (377) 43)

Insulin

Metformin; *Xenopus* oocytes; Glucose uptake; Parathyroid hormone; GLUT4; Intrinsic activity (Detaille, D. (377) 127)

Insulin receptor

Metformin; Cholesterol; Non-insulin dependent diabetes mellitus therapy (Meuillet, E.J. (377) 241)

Insulin resistance

Oxidant stress; Obese, Zucker rat; Diabetes mellitus (Laight, D.W. (377) 89)

Insulin secretion, in vitro

Imidazoline; Non-insulin-dependent diabetes mellitus; S-22068; K_{ATP}⁺ channels (Pelé-Tounian, A. (377) 81)

Internalization

Receptor regulation; Down-regulation; Desensitization; Phosphoinositide hydrolysis; Phosphorylation (Shockley, M.S. (377) 137)

Intestine

Glaucine; Prostaglandin; Leukotriene; Protein kinase C (Izzo, A.A. (377) 215)

Intrinsic activity

Metformin; Insulin; *Xenopus* oocytes; Glucose uptake; Parathyroid hormone; GLUT4 (Detaille, D. (377) 127)

Ischemia

Vasodilation; Adenosine; Prostacyclin; DPCPX (1,3-dipropyl-8-cyclopentylxanthine); DMPX (3,7-dimethyl-1-propargylxanthine); Indomethacin; (Guinea pig) (Stangl, V. (377) 43)

K⁺ channel

Ca²⁺; Calmodulin; Carbachol; Electrolyte transport; K⁺ transport; H⁺-K⁺-ATPase; Protein kinase C; Colon rat (Heinke, B. (377) 75)

K_{ATP}⁺ channels

Imidazoline; Non-insulin-dependent diabetes mellitus; S-22068; Insulin secretion, in vitro (Pelé-Tounian, A. (377) 81)

Ketorolac

Caffeine; Potentiation; Adenosine A₁ receptor; cGMP (Aguirre-Bañuelos, P. (377) 175)

K⁺ transport

Ca²⁺; Calmodulin; Carbachol; Electrolyte transport; K⁺ channel; H⁺-K⁺-ATPase; Protein kinase C; Colon rat (Heinke, B. (377) 75)

Leukotriene

Glaucine; Intestine; Prostaglandin; Protein kinase C (Izzo, A.A. (377) 215)

Lidocaine

Cocaine; Flecainide; Heart rate; Blood pressure; ECG (Erzouki, H.K. (377) 51)

Lipopolysaccharide

Aortic ring; Endothelium; Vasorelaxation; *N*^ω-monomethyl-L-arginine (Pu, Q. (377) 209)

Liver injury

Delayed-type hypersensitivity; Picryl chloride; Astilbin; Hepatoprotection; Apoptosis (Xu, Q. (377) 93)

MDMA (methylenedioxymethamphetamine)

Seizure; Methamphetamine; Cocaine (Hanson, G.R. (377) 167)

Mechanical force

Cardiac muscle; Ca²⁺ level, cytosolic; Fura-PE3; Ouabain; Bay K 8644 (Miyamoto, S. (377) 199)

Mesencephalon

R-(−)-Deprenyl (selegiline); *S*-(+)-Deprenyl; NMDA, *N*-methyl-D-aspartate; Slice culture; Dopaminergic neuron (Shimazu, S. (377) 29)

Metformin

Insulin; *Xenopus* oocytes; Glucose uptake; Parathyroid hormone; GLUT4; Intrinsic activity (Detaille, D. (377) 127)

Cholesterol; Insulin receptor; Non-insulin dependent diabetes mellitus therapy (Meuillet, E.J. (377) 241)

Methamphetamine

Seizure; Cocaine; MDMA (methylenedioxymethamphetamine) (Hanson, G.R. (377) 167)

Microdialysis

Pindolol; WAY-100635; 5-HT_{1A} autoreceptor; Serotonergic neuronal activity; 5-HT (5-hydroxytryptamine), extracellular; Serotonin (Fornal, C.A. (377) 187)

Morphine

Dextromethorphan; Naloxone; Apomorphine; NMDA receptor antagonist; Withdrawal sign; (Mouse) (Farzin, D. (377) 35)

Morphine withdrawal

Naloxone; Nitric oxide (NO) synthase inhibitor; Drug discrimination; Y-maze; (Rat) (Medvedev, I.O. (377) 183)

Naloxone

Dextromethorphan; Morphine; Apomorphine; NMDA receptor antagonist; Withdrawal sign; (Mouse) (Farzin, D. (377) 35)

Morphine withdrawal; Nitric oxide (NO) synthase inhibitor; Drug discrimination; Y-maze; (Rat) (Medvedev, I.O. (377) 183)

Naltrexone

κ-Opioid receptor; Fixed interval; Nor-binaltorphimine; (Squirrel monkey) (Powell, K.R. (377) 21)

Neuropeptide Y

Feeding; Food deprivation; Antagonism; (Goldfish) (López-Patiño, M.A. (377) 147)

Neutrophilic inflammation

NF-κB (Nuclear factor-κB); Transcription factor; Asthma; Ozone (Hisada, T. (377) 63)

NF-κB (Nuclear factor-κB)

Transcription factor; Asthma; Neutrophilic inflammation; Ozone (Hisada, T. (377) 63)

***N*^ω-monomethyl-L-arginine**

Lipopolysaccharide; Aortic ring; Endothelium; Vasorelaxation (Pu, Q. (377) 209)

Nitrgic neurotransmission

Anococcygeus muscle, female mouse; Nitroarginine; ODQ; Urogenital smooth muscle, female mouse; Zaprinast (O'Kane, K. (377) 69)

Nitric oxide

Nitric oxide (NO) donor; Vascular permeability; Prostaglandin (Fujii, E. (377) 219)

Nitric oxide (NO)

Pancreatitis; Caerulein; Oxygen reactive species; Antioxidant (Dąbrowski, A. (377) 1)

Nitric oxide (NO) donor

Vascular permeability; Nitric oxide; Prostaglandin (Fujii, E. (377) 219)

Nitric oxide (NO) synthase inhibitor

Naloxone; Morphine withdrawal; Drug discrimination; Y-maze; (Rat) (Medvedev, I.O. (377) 183)

Nitroarginine

Anococcygeus muscle, female mouse; Nitrgic neurotransmission; ODQ; Urogenital smooth muscle, female mouse; Zaprinast (O'Kane, K. (377) 69)

Nitroglycerin

Genistein; Relaxation; Aorta, rat; Phosphodiesterase cAMP-dependent (Satake, N. (377) 193)

NMDA, *N*-methyl-D-aspartate

R-(−)-Deprenyl (selegiline); *S*-(+)-Deprenyl; Slice culture; Mesencephalon; Dopaminergic neuron (Shimazu, S. (377) 29)

NMDA receptor

Ethanol; Ifenprodil; Ethanol withdrawal; Behavioral sleep; 5-HT₃ receptor (Malinowska, B. (377) 13)

NMDA receptor antagonist

Dextromethorphan; Morphine; Naloxone; Apomorphine; Withdrawal sign; (Mouse) (Farzin, D. (377) 35)

Non-insulin-dependent diabetes mellitus

Imidazoline; S-22068; Insulin secretion, in vitro; K_{ATP}⁺ channels (Pelé-Tounian, A. (377) 81)

Non-insulin dependent diabetes mellitus therapy

Metformin; Cholesterol; Insulin receptor (Meuillet, E.J. (377) 241)

Nor-binaltorphimine

κ-Opioid receptor; Fixed interval; Naltrexone; (Squirrel monkey) (Powell, K.R. (377) 21)

Nucleoside diphosphate kinase

μ-Opioid receptor; G protein; GTPγS binding; CHO (chinese hamster ovary) cell; Receptor binding (Zhang, D. (377) 223)

Obese, Zucker rat

Oxidant stress; Insulin resistance; Diabetes mellitus (Laight, D.W. (377) 89)

ODQ

Anococcygeus muscle, female mouse; Nitrgic neurotransmission; Nitroarginine; Urogenital smooth muscle, female mouse; Zaprinast (O'Kane, K. (377) 69)

κ-Opioid receptor

Fixed interval; Naltrexone; Nor-binaltorphimine; (Squirrel monkey) (Powell, K.R. (377) 21)

Hippocampus; Blood pressure; Antisense oligonucleotide (Wright, R.C. (377) 57)

μ-Opioid receptor

Nucleoside diphosphate kinase; G protein; GTPγS binding; CHO (chinese hamster ovary) cell; Receptor binding (Zhang, D. (377) 223)

Ouabain

Cardiac muscle; Mechanical force; Ca^{2+} level, cytosolic; Fura-PE3; Bay K 8644 (Miyamoto, S. (377) 199)

Oxidant stress

Insulin resistance; Obese, Zucker rat; Diabetes mellitus (Laight, D.W. (377) 89)

Oxygen reactive species

Pancreatitis; Caerulein; Antioxidant; Nitric oxide (NO) (Dąbrowski, A. (377) 1)

Ozone

NF-κB (Nuclear factor-κB); Transcription factor; Asthma; Neutrophilic inflammation (Hisada, T. (377) 63)

Pancreatitis

Caerulein; Oxygen reactive species; Antioxidant; Nitric oxide (NO) (Dąbrowski, A. (377) 1)

Parathyroid hormone

Metformin; Insulin; *Xenopus* oocytes; Glucose uptake; GLUT4; Intrinsic activity (Detaillle, D. (377) 127)

Phosphodiesterase cAMP-dependent

Genistein; Nitroglycerin; Relaxation; Aorta, rat (Satake, N. (377) 193)

Phosphoinositide hydrolysis

Receptor regulation; Internalization; Down-regulation; Desensitization; Phosphorylation (Shockley, M.S. (377) 137)

Phosphorylation

Receptor regulation; Internalization; Down-regulation; Desensitization; Phosphoinositide hydrolysis (Shockley, M.S. (377) 137)

Picryl chloride

Delayed-type hypersensitivity; Liver injury; Astilbin; Hepatoprotection; Apoptosis (Xu, Q. (377) 93)

Pindolol

WAY-100635; 5-HT_{1A} autoreceptor; Serotonergic neuronal activity; 5-HT (5-hydroxytryptamine), extracellular; Serotonin; Microdialysis (Fornal, C.A. (377) 187)

Potentiation

Ketorolac; Caffeine; Adenosine A₁ receptor; cGMP (Aguirre-Bañuelos, P. (377) 175)

Prostacyclin

Ischemia; Vasodilation; Adenosine; DPCPX (1,3-dipropyl-8-cyclopentylxanthine); DMPX (3,7-dimethyl-1-propargylxanthine); Indomethacin; (Guinea pig) (Stangl, V. (377) 43)

Prostaglandin

Glaucine; Intestine; Leukotriene; Protein kinase C (Izzo, A.A. (377) 215)

Nitric oxide (NO) donor; Vascular permeability; Nitric oxide (Fujii, E. (377) 219)

Prostaglandin D₂

Prostanoid receptor; DP; Central nervous system; Gastrointestinal tract; (Rat) (Wright, D.H. (377) 101)

Prostanoid receptor

DP; Prostaglandin D₂; Central nervous system; Gastrointestinal tract; (Rat) (Wright, D.H. (377) 101)

Protein kinase C

Ca^{2+} ; Calmodulin; Carbachol; Electrolyte transport; K⁺ transport; K⁺ channel; H⁺-K⁺-ATPase; Colon rat (Heinke, B. (377) 75)

Glaucine; Intestine; Prostaglandin; Leukotriene (Izzo, A.A. (377) 215)

Radioligand binding

Cannabinoid; Cannabinoid receptor antagonist; GTPγS binding; Cannabinoid CB₂ receptor; SR144528 (Griffin, G. (377) 117)

Receptor binding

Nucleoside diphosphate kinase; μ-Opioid receptor; G protein; GTPγS binding; CHO (chinese hamster ovary) cell (Zhang, D. (377) 223)

Receptor regulation

Internalization; Down-regulation; Desensitization; Phosphoinositide hydrolysis; Phosphorylation (Shockley, M.S. (377) 137)

Relaxation

Genistein; Nitroglycerin; Aorta, rat; Phosphodiesterase cAMP-dependent (Satake, N. (377) 193)

S-22068

Imidazoline; Non-insulin-dependent diabetes mellitus; Insulin secretion, in vitro; K_{ATP}⁺ channels (Pelé-Tounian, A. (377) 81)

Seizure

Methamphetamine; Cocaine; MDMA (methylenedioxymethamphetamine) (Hanson, G.R. (377) 167)

Serotonergic neuronal activity

Pindolol; WAY-100635; 5-HT_{1A} autoreceptor; 5-HT (5-hydroxytryptamine), extracellular; Serotonin; Microdialysis (Fornal, C.A. (377) 187)

Serotonin

Pindolol; WAY-100635; 5-HT_{1A} autoreceptor; Serotonergic neuronal activity; 5-HT (5-hydroxytryptamine), extracellular; Microdialysis (Fornal, C.A. (377) 187)

Slice culture

R-(−)-Deprenyl (selegiline); S-(+)-Deprenyl; NMDA, *N*-methyl-D-aspartate; Mesencephalon; Dopaminergic neuron (Shimazu, S. (377) 29)

SR144528

Cannabinoid; Cannabinoid receptor antagonist; GTPγS binding; Radioligand binding; Cannabinoid CB₂ receptor (Griffin, G. (377) 117)

Thioperamide

Histamine H₃ receptor; [³H]*N*^α-methylhistamine binding, human, primate; Burimamide (West Jr., R.E. (377) 233)

Transcription factor

NF-κB (Nuclear factor-κB); Asthma; Neutrophilic inflammation; Ozone (Hisada, T. (377) 63)

Urogenital smooth muscle, female mouse

Anococcygeus muscle, female mouse; Nitrogenic neurotransmission; Nitroarginine; ODQ; Zaprinast (O'Kane, K. (377) 69)

Vascular permeability

Nitric oxide (NO) donor; Nitric oxide; Prostaglandin (Fujii, E. (377) 219)

Vasodilation

Ischemia; Adenosine; Prostacyclin; DPCPX (1,3-dipropyl-8-cyclopentyl-xanthine); DMPX (3,7-dimethyl-1-propargylxanthine); Indomethacin; (Guinea pig) (Stangl, V. (377) 43)

Vasorelaxation

Lipopolysaccharide; Aortic ring; Endothelium; N^{ω} -monomethyl-L-arginine (Pu, Q. (377) 209)

WAY-100635

Pindolol; 5-HT_{1A} autoreceptor; Serotonergic neuronal activity; 5-HT (5-hydroxytryptamine), extracellular; Serotonin; Microdialysis (Fornal, C.A. (377) 187)

Withdrawal sign

Dextromethorphan; Morphine; Naloxone; Apomorphine; NMDA receptor antagonist; (Mouse) (Farzin, D. (377) 35)

***Xenopus* oocytes**

Metformin; Insulin; Glucose uptake; Parathyroid hormone; GLUT4; Intrinsic activity (Detaile, D. (377) 127)

Y-maze

Naloxone; Morphine withdrawal; Nitric oxide (NO) synthase inhibitor; Drug discrimination; (Rat) (Medvedev, I.O. (377) 183)

Zaprinast

Anococcygeus muscle, female mouse; Nitrgenic neurotransmission; Nitroarginine; ODQ; Urogenital smooth muscle, female mouse (O’Kane, K. (377) 69)