

Keyword index

Acyl-CoA cholesterol acyltransferase

Avasimibe; Atorvastatin; Hydroxymethyl glutaryl-CoA reductase; Macrophage; Cholesteryl ester (Llaverías, G. (451) 11)

Adenosine

Bronchoconstriction; Guinea-pig, sensitized; Histamine; Leukotriene; Cyclooxygenase product (Martin, T.J. (451) 89)

Adenosine A_{2A} receptor

Patch-clamp, whole-cell; NMDA receptor; Striatum (Gerevich, Z. (451) 161)

Adenylyl cyclase superactivation

δ-Opioid receptor, human; Raf-1 (Varga, E.V. (451) 101)

Airway inflammation

Leukotriene receptor antagonist; CysLT receptor; Leukotriene D₄; Asthma; Bronchoconstriction (Cabré, F. (451) 317)

Alkaline phosphatase

Osteoblast differentiation; Growth factor; Msx2; TAK-778 (Gotoh, M. (451) 19)

Amiloride

Mg²⁺ concentration; Mag-fura 2; Kidney; Nitric oxide (NO) (Ikari, A. (451) 133)

AMPA receptor antagonist

Epilepsy; mGlu receptor; NMDA receptor antagonist; Antiepileptic drug (De Sarro, G. (451) 55)

Analgesia

Tail-flick test; Naloxone; Morphine; Supersensitivity; Nimodipine; B_{max}; [³H]PN200-110 binding (Gullapalli, S. (451) 271)

ANP (atrial natriuretic peptide)

Atrium; cAMP; Phosphodiesterase; ANP (atrial natriuretic peptide) secretion; ANP (atrial natriuretic peptide) release (Cui, X. (451) 295)

ANP (atrial natriuretic peptide) release

ANP (atrial natriuretic peptide); Atrium; cAMP; Phosphodiesterase; ANP (atrial natriuretic peptide) secretion (Cui, X. (451) 295)

ANP (atrial natriuretic peptide) secretion

ANP (atrial natriuretic peptide); Atrium; cAMP; Phosphodiesterase; ANP (atrial natriuretic peptide) release (Cui, X. (451) 295)

Antiepileptic drug

Epilepsy; mGlu receptor; NMDA receptor antagonist; AMPA receptor antagonist (De Sarro, G. (451) 55)

Epilepsy; Pharmacoresistance; Multidrug resistance gene (Seegers, U. (451) 149)

Antioxidant enzyme

Melatonin; Vitamin C; N1E-115 cell; Okadaic acid; Oxidative stress (Montilla-López, P. (451) 237)

Antipyresis

Lipopolysaccharide; Pyrazole; Fever; Hypothermia; Mouse (Souza, F.R. (451) 141)

Apoptosis

Buddleja officinalis Maxim; Verbascoside; Phenylpropanoid glucoside; Oxidative stress; Parkinson's disease (Sheng, G.-Q. (451) 119)

L-Arginine

Theophylline; Nitric oxide (NO); N^G-nitro-L-arginine methylester (L-NAME); N^ω-nitro-L-arginine (L-NA); Temperature (mouse) (Zarrindast, M.-R. (451) 63)

Aspirin

Helicobacter pylori; Ulcer healing; Gastric secretion; Gastric blood flow; Cyclooxygenase; Growth factor (Konturek, P.C. (451) 191)

Asthma

Leukotriene receptor antagonist; CysLT receptor; Leukotriene D₄; Bronchoconstriction; Airway inflammation (Cabré, F. (451) 317)

Atorvastatin

Avasimibe; Acyl-CoA cholesterol acyltransferase; Hydroxymethyl glutaryl-CoA reductase; Macrophage; Cholesteryl ester (Llaverías, G. (451) 11)

ATP

Cancer; Calmodulin antagonist; Clotrimazole; Glycolysis (Penso, J. (451) 227)

Atrium

ANP (atrial natriuretic peptide); cAMP; Phosphodiesterase; ANP (atrial natriuretic peptide) secretion; ANP (atrial natriuretic peptide) release (Cui, X. (451) 295)

Avasimibe

Atorvastatin; Acyl-CoA cholesterol acyltransferase; Hydroxymethyl glutaryl-CoA reductase; Macrophage; Cholesteryl ester (Llaverías, G. (451) 11)

Avoidance inhibitory

Ebselen; Learning; Memory (Porciúncula, L.O. (451) 165)

Baclofen

Neocortex, rat; SKF 97541; Positive modulator; Fendiline; Prenylamine (Kerr, D.I.B. (451) 69)

Lipopolysaccharide; Interleukin-6; cAMP; GABA_B receptor antagonist; Pituicyte; Neurohypophysis (Kjeldsen, T.H. (451) 209)

Benzodiazepine

Zaleplon; Zolpidem; GABA_A receptors; Recombinant; Cl[−] current; *Xenopus* oocyte (Sanna, E. (451) 103)

BIBO3304

Neuropeptide FF; Neuropeptide Y; BIBP3226; G-protein coupled receptor; cAMP assay; Neuropeptide Y₁ receptor antagonist (Mollereau, C. (451) 245)

BIBP3226

Neuropeptide FF; Neuropeptide Y; BIBO3304; G-protein coupled receptor; cAMP assay; Neuropeptide Y Y_1 receptor antagonist (Mollereau, C. (451) 245)

Bicarbonate-dependent secretion

Cannabinoid; Enkephalin; Inflammatory mediator; Prostanoid (Green, B.T. (451) 185)

Binding

δ -Opioid receptor, subtype; Chinese hamster ovary (CHO) cell; [35 S]GTP γ S; Naltrindole derivative (Parkhill, A.L. (451) 257)

Bladder, overactive

Irritable bowel syndrome; Urinary bladder; Ileum (Modiri, A.-R. (451) 171)

Blood urea nitrogen

Cisplatin; Renal toxicity; Radical scavenger; Creatinine; Glutathione (Sueishi, K. (451) 203)

 B_{max}

Tail-flick test; Analgesia; Naloxone; Morphine; Supersensitivity; Nimodipine; [3 H]PN200-110 binding (Gullapalli, S. (451) 271)

Bronchconstriction

Adenosine; Guinea-pig, sensitized; Histamine; Leukotriene; Cyclooxygenase product (Martin, T.J. (451) 89)

Bronchoconstriction

Leukotriene receptor antagonist; CysLT receptor; Leukotriene D $_4$; Asthma; Airway inflammation (Cabr , F. (451) 317)

***Buddleja officinalis* Maxim**

Verbascoside; Phenylpropanoid glucoside; Oxidative stress; Apoptosis; Parkinson's disease (Sheng, G.-Q. (451) 119)

 Ca^{2+}

Endotoxin; Zn $^{2+}$ level; Oxidative stress; Metallothionein; Nitric oxide (NO) (Sakaguchi, S. (451) 309)

 Ca^{2+} channel, N-type

ω -Conotoxin; Morphine; Neuropathic pain (Scott, D.A. (451) 279)

Calmodulin antagonist

Cancer; Clotrimazole; Glycolysis; ATP (Penso, J. (451) 227)

cAMP

Baclofen; Lipopolysaccharide; Interleukin-6; GABA $_B$ receptor antagonist; Pituicyte; Neurohypophysis (Kjeldsen, T.H. (451) 209) ANP (atrial natriuretic peptide); Atrium; Phosphodiesterase; ANP (atrial natriuretic peptide) secretion; ANP (atrial natriuretic peptide) release (Cui, X. (451) 295)

cAMP assay

Neuropeptide FF; Neuropeptide Y; BIBP3226; BIBO3304; G-protein coupled receptor; Neuropeptide Y Y_1 receptor antagonist (Mollereau, C. (451) 245)

Cancer

Calmodulin antagonist; Clotrimazole; Glycolysis; ATP (Penso, J. (451) 227)

Cannabinoid

Bicarbonate-dependent secretion; Enkephalin; Inflammatory mediator; Prostanoid (Green, B.T. (451) 185)

Carrageenan

FR167653; p38 MAP (mitogen-activated protein) kinase inhibitor; Paw edema; Lipopolysaccharide; Vascular permeability (Nishikori, T. (451) 327)

Cathepsin D

Pepstatin A; *N*-acetyl-L-cysteine; Stellate cell; IGF-I (insulin-like growth factor-I); PDGF (platelet-derived growth factor) (Takashima, T. (451) 265)

Cathinone

MDMA (3,4-methylenedioxymethamphetamine); MDEA (3,4-methylenedioxyethylamphetamine); MDA (3,4-methylenedioxyamphetamine); Cocaine; Ventricular strip, rat; Contraction (Cleary, L. (451) 303)

c-Fos

Endomorphin-1; Endomorphin-2; Zif/268; Formalin; Spinal dorsal horn (Tateyama, S. (451) 79)

Chinese hamster ovary (CHO) cell

δ -Opioid receptor, subtype; Binding; [35 S]GTP γ S; Naltrindole derivative (Parkhill, A.L. (451) 257)

Cholesteryl ester

Avasimibe; Atorvastatin; Acyl-CoA cholesterol acyltransferase; Hydroxymethyl glutaryl-CoA reductase; Macrophage (Llaver s, G. (451) 11)

Cisplatin

Renal toxicity; Radical scavenger; Blood urea nitrogen; Creatinine; Glutathione (Sueishi, K. (451) 203)

Cl $^-$ current

Zaleplon; Zolpidem; Benzodiazepine; GABA $_A$ receptors; Recombinant; *Xenopus* oocyte (Sanna, E. (451) 103)

Clotrimazole

Cancer; Calmodulin antagonist; Glycolysis; ATP (Penso, J. (451) 227)

Cocaine

MDMA (3,4-methylenedioxymethamphetamine); MDEA (3,4-methylenedioxyethylamphetamine); MDA (3,4-methylenedioxyamphetamine); Cathinone; Ventricular strip, rat; Contraction (Cleary, L. (451) 303)

 ω -Conotoxin

Morphine; Neuropathic pain; Ca^{2+} channel, N-type (Scott, D.A. (451) 279)

Contraction

MDMA (3,4-methylenedioxymethamphetamine); MDEA (3,4-methylenedioxyethylamphetamine); MDA (3,4-methylenedioxyamphetamine); Cathinone; Cocaine; Ventricular strip, rat (Cleary, L. (451) 303)

Creatinine

Cisplatin; Renal toxicity; Radical scavenger; Blood urea nitrogen; Glutathione (Sueishi, K. (451) 203)

Cyclooxygenase

Aspirin; *Helicobacter pylori*; Ulcer healing; Gastric secretion; Gastric blood flow; Growth factor (Konturek, P.C. (451) 191)

Cyclooxygenase product

Adenosine; Bronchoconstriction; Guinea-pig, sensitized; Histamine; Leukotriene (Martin, T.J. (451) 89)

CysLT receptor

Leukotriene receptor antagonist; Leukotriene D $_4$; Asthma; Bronchoconstriction; Airway inflammation (Cabr , F. (451) 317)

Diabetes type 2

GLP-1 glucagon-like peptide-1 derivative; Minipig; Glucose tolerance; Insulin sensitivity; Gastric emptying; Glucagon (Ribel, U. (451) 217)

Diuresis

Endothelin-1, big; Endothelin ET_B receptor; Hypertension; Nitric oxide (NO) (Konishi, F. (451) 177)

Dopamine receptor agent

Jumping; Morphine; Naloxone; (Mouse) (Zarrindast, M.-R. (451) 287)

Dopamine reuptake inhibition

GBR 12909; Dyskinesia; Parkinson's disease; MPTP-treated primate (Hansard, M.J. (451) 157)

Dopamine uptake

Nisoxetine; Norepinephrine transporter; Withdrawal time; Intermittent; Nerve growth factor (Kantor, L. (451) 27)

Dyskinesia

GBR 12909; Dopamine reuptake inhibition; Parkinson's disease; MPTP-treated primate (Hansard, M.J. (451) 157)

Ebselen

Learning; Memory; Avoidance inhibitory (Porciúncula, L.O. (451) 165)

Edema

Neutrophil elastase; Lung injury, acute; Respiratory distress syndrome, adult; Permeability (Kawabata, K. (451) 1)

Endomorphin-1

Endomorphin-2; c-Fos; Zif/268; Formalin; Spinal dorsal horn (Tateyama, S. (451) 79)

Endomorphin-2

Endomorphin-1; c-Fos; Zif/268; Formalin; Spinal dorsal horn (Tateyama, S. (451) 79)

Endothelin-1, big

Endothelin ET_B receptor; Diuresis; Hypertension; Nitric oxide (NO) (Konishi, F. (451) 177)

Endothelin ET_B receptor

Endothelin-1, big; Diuresis; Hypertension; Nitric oxide (NO) (Konishi, F. (451) 177)

Endotoxin

Zn²⁺ level; Oxidative stress; Metallothionein; Ca²⁺; Nitric oxide (NO) Sakaguchi, S. (451) 309)

Enkephalin

Bicarbonate-dependent secretion; Cannabinoid; Inflammatory mediator; Prostanoid (Green, B.T. (451) 185)

Epilepsy

mGlu receptor; NMDA receptor antagonist; AMPA receptor antagonist; Antiepileptic drug (De Sarro, G. (451) 55)

Pharmacoresistance; Multidrug resistance gene; Antiepileptic drug (Seegers, U. (451) 149)

Ethanol

GABA (γ-amino butyric acid); MAP (mitogen-activated protein) kinase (Kalluri, H.S.G. (451) 51)

Fendiline

Neocortex, rat; Baclofen; SKF 97541; Positive modulator; Prenylamine (Kerr, D.I.B. (451) 69)

Fever

Lipopolysaccharide; Pyrazole; Antipyresis; Hypothermia; Mouse (Souza, F.R. (451) 141)

Flavonoid

Xanthine oxidase; Structure–function relationship; Inhibition; IC₅₀ (Van Hoon, D.E.C. (451) 111)

Formalin

Endomorphin-1; Endomorphin-2; c-Fos; Zif/268; Spinal dorsal horn (Tateyama, S. (451) 79)

FR167653

p38 MAP (mitogen-activated protein) kinase inhibitor; Carrageenan; Paw edema; Lipopolysaccharide; Vascular permeability (Nishikori, T. (451) 327)

GABA (γ-amino butyric acid)

Ethanol; MAP (mitogen-activated protein) kinase (Kalluri, H.S.G. (451) 51)

GABA_A receptor

Xenopus oocyte; 4-PIOL (5-(4-piperidyl)-3-isoxazolol); Partial agonist; Structure–activity; Lipophilicity (Mortensen, M. (451) 125)

GABA_A receptor

Isoflurane; Patch-clamp; Kinetic modelling; Open-channel block (Hase-neder, R. (451) 43)

GABA_A receptors

Zaleplon; Zolpidem; Benzodiazepine; Recombinant; Cl[−] current; *Xenopus* oocyte (Sanna, E. (451) 103)

GABA_B receptor antagonist

Baclofen; Lipopolysaccharide; Interleukin-6; cAMP; Pituicyte; Neuro-hypophysis (Kjeldsen, T.H. (451) 209)

Gastric blood flow

Aspirin; *Helicobacter pylori*; Ulcer healing; Gastric secretion; Cyclo-oxygenase; Growth factor (Konturek, P.C. (451) 191)

Gastric emptying

GLP-1 glucagon-like peptide-1 derivative; Minipig; Diabetes type 2; Glucose tolerance; Insulin sensitivity; Glucagon (Ribel, U. (451) 217)

Gastric secretion

Aspirin; *Helicobacter pylori*; Ulcer healing; Gastric blood flow; Cyclo-oxygenase; Growth factor (Konturek, P.C. (451) 191)

GBR 12909

Dyskinesia; Dopamine reuptake inhibition; Parkinson's disease; MPTP-treated primate (Hansard, M.J. (451) 157)

GLP-1 glucagon-like peptide-1 derivative

Minipig; Diabetes type 2; Glucose tolerance; Insulin sensitivity; Gastric emptying; Glucagon (Ribel, U. (451) 217)

Glucagon

GLP-1 glucagon-like peptide-1 derivative; Minipig; Diabetes type 2; Glucose tolerance; Insulin sensitivity; Gastric emptying (Ribel, U. (451) 217)

Glucose tolerance

GLP-1 glucagon-like peptide-1 derivative; Minipig; Diabetes type 2; Insulin sensitivity; Gastric emptying; Glucagon (Ribel, U. (451) 217)

Glutathione

Cisplatin; Renal toxicity; Radical scavenger; Blood urea nitrogen; Creatinine (Sueishi, K. (451) 203)

Glycolysis

Cancer; Calmodulin antagonist; Clotrimazole; ATP (Penso, J. (451) 227)

G-protein coupled receptor

Neuropeptide FF; Neuropeptide Y; BIBP3226; BIBO3304; cAMP assay; Neuropeptide Y Y₁ receptor antagonist (Mollereau, C. (451) 245)

Growth factor

Osteoblast differentiation; Alkaline phosphatase; Msx2; TAK-778 (Gotoh, M. (451) 19)

Aspirin; *Helicobacter pylori*; Ulcer healing; Gastric secretion; Gastric blood flow; Cyclooxygenase (Konturek, P.C. (451) 191)

Guinea-pig, sensitized

Adenosine; Bronchoconstriction; Histamine; Leukotriene; Cyclooxygenase product (Martin, T.J. (451) 89)

Helicobacter pylori

Aspirin; Ulcer healing; Gastric secretion; Gastric blood flow; Cyclooxygenase; Growth factor (Konturek, P.C. (451) 191)

Histamine

Adenosine; Bronchoconstriction; Guinea-pig, sensitized; Leukotriene; Cyclooxygenase product (Martin, T.J. (451) 89)

[³H]PN200-110 binding

Tail-flick test; Analgesia; Naloxone; Morphine; Supersensitivity; Nimodipine; B_{max} (Gullapalli, S. (451) 271)

Hydroxymethyl glutaryl-CoA reductase

Avasimibe; Atorvastatin; Acyl-CoA cholesterol acyltransferase; Macrophage; Cholesteryl ester (Llaverías, G. (451) 11)

Hypertension

Endothelin-1, big; Endothelin ET_B receptor; Diuresis; Nitric oxide (NO) (Konishi, F. (451) 177)

Hypothermia

Lipopolysaccharide; Pyrazole; Antipyresis; Fever; Mouse (Souza, F.R. (451) 141)

IC₅₀

Xanthine oxidase; Flavonoid; Structure–function relationship; Inhibition (Van Hoorn, D.E.C. (451) 111)

IGF-I (insulin-like growth factor-I)

Pepstatin A; N-acetyl-L-cysteine; Stellate cell; Cathepsin D; PDGF (platelet-derived growth factor) (Takashima, T. (451) 265)

Ileum

Bladder, overactive; Irritable bowel syndrome; Urinary bladder (Modiri, A.-R. (451) 171)

Inflammatory mediator

Bicarbonate-dependent secretion; Cannabinoid; Enkephalin; Prostanoid (Green, B.T. (451) 185)

Inhibition

Xanthine oxidase; Flavonoid; Structure–function relationship; IC₅₀ (Van Hoorn, D.E.C. (451) 111)

Insulin sensitivity

GLP-1 glucagon-like peptide-1 derivative; Minipig; Diabetes type 2; Glucose tolerance; Gastric emptying; Glucagon (Ribel, U. (451) 217)

Interleukin-6

Baclofen; Lipopolysaccharide; cAMP; GABA_B receptor antagonist; Pituicyte; Neurohypophysis (Kjeldsen, T.H. (451) 209)

Intermittent

Nisoxetine; Norepinephrine transporter; Withdrawal time; Nerve growth factor; Dopamine uptake (Kantor, L. (451) 27)

Irritable bowel syndrome

Bladder, overactive; Urinary bladder; Ileum (Modiri, A.-R. (451) 171)

Isoflurane

GABA_A receptor; Patch-clamp; Kinetic modelling; Open-channel block (Haseneder, R. (451) 43)

Jumping

Dopamine receptor agent; Morphine; Naloxone; (Mouse) (Zarrindast, M.-R. (451) 287)

Kidney

Amiloride; Mg²⁺ concentration; Mag-fura 2; Nitric oxide (NO) (Ikari, A. (451) 133)

Kinetic modelling

GABA_A receptor; Isoflurane; Patch-clamp; Open-channel block (Haseneder, R. (451) 43)

Learning

Ebselen; Memory; Avoidance inhibitory (Porciúncula, L.O. (451) 165)

Leukotriene

Adenosine; Bronchoconstriction; Guinea-pig, sensitized; Histamine; Cyclooxygenase product (Martin, T.J. (451) 89)

Leukotriene D₄

Leukotriene receptor antagonist; CysLT receptor; Asthma; Bronchoconstriction; Airway inflammation (Cabré, F. (451) 317)

Leukotriene receptor antagonist

CysLT receptor; Leukotriene D₄; Asthma; Bronchoconstriction; Airway inflammation (Cabré, F. (451) 317)

Lipophilicity

GABA_A receptor; *Xenopus* oocyte; 4-PIOL (5-(4-piperidyl)-3-isoxazolol); Partial agonist; Structure–activity (Mortensen, M. (451) 125)

Lipopolysaccharide

Pyrazole; Antipyresis; Fever; Hypothermia; Mouse (Souza, F.R. (451) 141)

Baclofen; Interleukin-6; cAMP; GABA_B receptor antagonist; Pituicyte; Neurohypophysis (Kjeldsen, T.H. (451) 209)

FR167653; p38 MAP (mitogen-activated protein) kinase inhibitor; Carrageenan; Paw edema; Vascular permeability (Nishikori, T. (451) 327)

Lung injury, acute

Neutrophil elastase; Respiratory distress syndrome, adult; Permeability; Edema (Kawabata, K. (451) 1)

Macrophage

Avasimibe; Atorvastatin; Acyl-CoA cholesterol acyltransferase; Hydroxymethyl glutaryl-CoA reductase; Cholesteryl ester (Llaverías, G. (451) 11)

Mag-fura 2

Amiloride; Mg²⁺ concentration; Kidney; Nitric oxide (NO) (Ikari, A. (451) 133)

MAP (mitogen-activated protein) kinase

Ethanol; GABA (γ-amino butyric acid) (Kalluri, H.S.G. (451) 51)

MDA (3,4-methylenedioxyamphetamine)

MDMA (3,4-methylenedioxymethamphetamine); MDEA (3,4-methylenedioxyethylamphetamine); Cathinone; Cocaine; Ventricular strip, rat; Contraction (Cleary, L. (451) 303)

MDEA (3,4-methylenedioxyethylamphetamine)

MDMA (3,4-methylenedioxymethamphetamine); MDA (3,4-methylenedioxyamphetamine); Cathinone; Cocaine; Ventricular strip, rat; Contraction (Cleary, L. (451) 303)

MDMA (3,4-methylenedioxymethamphetamine)

MDEA (3,4-methylenedioxyethylamphetamine); MDA (3,4-methylenedioxyamphetamine); Cathinone; Cocaine; Ventricular strip, rat; Contraction (Cleary, L. (451) 303)

Melatonin

Vitamin C; N1E-115 cell; Okadaic acid; Oxidative stress; Antioxidant enzyme (Montilla-López, P. (451) 237)

Memory

Ebensen; Learning; Avoidance inhibitory (Porciúncula, L.O. (451) 165)

Metallothionein

Endotoxin; Zn^{2+} level; Oxidative stress; Ca^{2+} ; Nitric oxide (NO) (Sakaguchi, S. (451) 309)

Mg²⁺ concentration

Amiloride; Mag-fura 2; Kidney; Nitric oxide (NO) (Ikari, A. (451) 133)

mGlu receptor

Epilepsy; NMDA receptor antagonist; AMPA receptor antagonist; Anti-epileptic drug (De Sarro, G. (451) 55)

Minipig

GLP-1 glucagon-like peptide-1 derivative; Diabetes type 2; Glucose tolerance; Insulin sensitivity; Gastric emptying; Glucagon (Ribel, U. (451) 217)

Morphine

Tail-flick test; Analgesia; Naloxone; Supersensitivity; Nimodipine; B_{max} ; [³H]PN200-110 binding (Gullapalli, S. (451) 271)

ω -Conotoxin; Neuropathic pain; Ca^{2+} channel, N-type (Scott, D.A. (451) 279)

Jumping; Dopamine receptor agent; Naloxone; (Mouse) (Zarrindast, M.-R. (451) 287)

Mouse

Lipopolysaccharide; Pyrazole; Antipyresis; Fever; Hypothermia (Souza, F.R. (451) 141)

(Mouse)

Jumping; Dopamine receptor agent; Morphine; Naloxone (Zarrindast, M.-R. (451) 287)

MPTP-treated primate

GBR 12909; Dyskinesia; Dopamine reuptake inhibition; Parkinson's disease (Hansard, M.J. (451) 157)

Msx2

Osteoblast differentiation; Alkaline phosphatase; Growth factor; TAK-778 (Gotoh, M. (451) 19)

Multidrug resistance gene

Epilepsy; Pharmacoresistance; Antiepileptic drug (Seegers, U. (451) 149)

N-acetyl-L-cysteine

Pepstatin A; Stellate cell; Cathepsin D; IGF-I (insulin-like growth factor-I); PDGF (platelet-derived growth factor) (Takashima, T. (451) 265)

Na⁺/H⁺ exchanger

Platelet swelling assay (Marala, R.B. (451) 37)

Naloxone

Tail-flick test; Analgesia; Morphine; Supersensitivity; Nimodipine; B_{max} ; [³H]PN200-110 binding (Gullapalli, S. (451) 271)

Jumping; Dopamine receptor agent; Morphine; (Mouse) (Zarrindast, M.-R. (451) 287)

Naltrindole derivative

δ -Opioid receptor, subtype; Chinese hamster ovary (CHO) cell; Binding; [³⁵S]GTP γ S (Parkhill, A.L. (451) 257)

N1E-115 cell

Melatonin; Vitamin C; Okadaic acid; Oxidative stress; Antioxidant enzyme (Montilla-López, P. (451) 237)

Neocortex, rat

Baclofen; SKF 97541; Positive modulator; Fendiline; Prenylamine (Kerr, D.I.B. (451) 69)

Nerve growth factor

Nisoxetine; Norepinephrine transporter; Withdrawal time; Intermittent; Dopamine uptake (Kantor, L. (451) 27)

Neurohypophysis

Baclofen; Lipopolysaccharide; Interleukin-6; cAMP; GABA_B receptor antagonist; Pituicyte (Kjeldsen, T.H. (451) 209)

Neuropathic pain

ω -Conotoxin; Morphine; Ca^{2+} channel, N-type (Scott, D.A. (451) 279)

Neuropeptide FF

Neuropeptide Y; BIBP3226; BIBO3304; G-protein coupled receptor; cAMP assay; Neuropeptide Y Y₁ receptor antagonist (Mollereau, C. (451) 245)

Neuropeptide Y

Neuropeptide FF; BIBP3226; BIBO3304; G-protein coupled receptor; cAMP assay; Neuropeptide Y Y₁ receptor antagonist (Mollereau, C. (451) 245)

Neuropeptide Y Y₁ receptor antagonist

Neuropeptide FF; Neuropeptide Y; BIBP3226; BIBO3304; G-protein coupled receptor; cAMP assay (Mollereau, C. (451) 245)

Neutrophil elastase

Lung injury, acute; Respiratory distress syndrome, adult; Permeability; Edema (Kawabata, K. (451) 1)

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

Theophylline; Nitric oxide (NO); L-Arginine; N^ω-nitro-L-arginine (L-NA); Temperature (mouse) (Zarrindast, M.-R. (451) 63)

Nimodipine

Tail-flick test; Analgesia; Naloxone; Morphine; Supersensitivity; B_{max} ; [³H]PN200-10 binding (Gullapalli, S. (451) 271)

Nisoxetine

Norepinephrine transporter; Withdrawal time; Intermittent; Nerve growth factor; Dopamine uptake (Kantor, L. (451) 27)

Nitric oxide (NO)

Theophylline; L-Arginine; N^G -nitro-L-arginine methylester (L-NAME); N^{ω} -nitro-L-arginine (L-NA); Temperature (mouse) (Zarrindast, M.-R. (451) 63)

Amiloride; Mg^{2+} concentration; Mag-fura 2; Kidney (Ikari, A. (451) 133)

Endothelin-1, big; Endothelin ET_B receptor; Diuresis; Hypertension (Konishi, F. (451) 177)

Endotoxin; Zn^{2+} level; Oxidative stress; Metallothionein; Ca^{2+} (Sakaguchi, S. (451) 309)

NMDA receptor

Patch-clamp, whole-cell; Adenosine A_{2A} receptor; Striatum (Gerevich, Z. (451) 161)

NMDA receptor antagonist

Epilepsy; mGlu receptor; AMPA receptor antagonist; Antiepileptic drug (De Sarro, G. (451) 55)

 N^{ω} -nitro-L-arginine (L-NA)

Theophylline; Nitric oxide (NO); L-Arginine; N^G -nitro-L-arginine methylester (L-NAME); Temperature (mouse) (Zarrindast, M.-R. (451) 63)

Norepinephrine transporter

Nisoxetine; Withdrawal time; Intermittent; Nerve growth factor; Dopamine uptake (Kantor, L. (451) 27)

Okadaic acid

Melatonin; Vitamin C; N1E-115 cell; Oxidative stress; Antioxidant enzyme (Montilla-López, P. (451) 237)

Open-channel block

GABA $_A$ receptor; Isoflurane; Patch-clamp; Kinetic modelling (Haseneder, R. (451) 43)

 δ -Opioid receptor, human

Adenylyl cyclase superactivation; Raf-1 (Varga, E.V. (451) 101)

 δ -Opioid receptor, subtype

Chinese hamster ovary (CHO) cell; Binding; [^{35}S]GTP γ S; Naltrindole derivative (Parkhill, A.L. (451) 257)

Osteoblast differentiation

Alkaline phosphatase; Growth factor; Msx2; TAK-778 (Gotoh, M. (451) 19)

Oxidative stress

Buddleja officinalis Maxim; Verbascoside; Phenylpropanoid glucoside; Apoptosis; Parkinson's disease (Sheng, G.-Q. (451) 119)

Melatonin; Vitamin C; N1E-115 cell; Okadaic acid; Antioxidant enzyme (Montilla-López, P. (451) 237)

Endotoxin; Zn^{2+} level; Metallothionein; Ca^{2+} ; Nitric oxide (NO) (Sakaguchi, S. (451) 309)

4-PIOL (5-(4-piperidyl)-3-isoxazolol)

GABA $_A$ receptor; *Xenopus* oocyte; Partial agonist; Structure–activity; Lipophilicity (Mortensen, M. (451) 125)

Parkinson's disease

Buddleja officinalis Maxim; Verbascoside; Phenylpropanoid glucoside; Oxidative stress; Apoptosis (Sheng, G.-Q. (451) 119)

GBR 12909; Dyskinesia; Dopamine reuptake inhibition; MPTP-treated primate (Hansard, M.J. (451) 157)

Partial agonist

GABA $_A$ receptor; *Xenopus* oocyte; 4-PIOL (5-(4-piperidyl)-3-isoxazolol); Structure–activity; Lipophilicity (Mortensen, M. (451) 125)

Patch-clamp

GABA $_A$ receptor; Isoflurane; Kinetic modelling; Open-channel block (Haseneder, R. (451) 43)

Patch-clamp, whole-cell

Adenosine A_{2A} receptor; NMDA receptor; Striatum (Gerevich, Z. (451) 161)

Paw edema

FR167653; p38 MAP (mitogen-activated protein) kinase inhibitor; Carrageenan; Lipopolysaccharide; Vascular permeability (Nishikori, T. (451) 327)

PDGF (platelet-derived growth factor)

Pepstatin A; *N*-acetyl-L-cysteine; Stellate cell; Cathepsin D; IGF-I (insulin-like growth factor-I) (Takashima, T. (451) 265)

Pepstatin A

N-acetyl-L-cysteine; Stellate cell; Cathepsin D; IGF-I (insulin-like growth factor-I); PDGF (platelet-derived growth factor) (Takashima, T. (451) 265)

Permeability

Neutrophil elastase; Lung injury, acute; Respiratory distress syndrome, adult; Edema (Kawabata, K. (451) 1)

Pharmacoresistance

Epilepsy; Multidrug resistance gene; Antiepileptic drug (Seegers, U. (451) 149)

Phenylpropanoid glucoside

Buddleja officinalis Maxim; Verbascoside; Oxidative stress; Apoptosis; Parkinson's disease (Sheng, G.-Q. (451) 119)

Phosphodiesterase

ANP (atrial natriuretic peptide); Atrium; cAMP; ANP (atrial natriuretic peptide) secretion; ANP (atrial natriuretic peptide) release (Cui, X. (451) 295)

Pituicyte

Baclofen; Lipopolysaccharide; Interleukin-6; cAMP; GABA $_B$ receptor antagonist; Neurohypophysis (Kjeldsen, T.H. (451) 209)

Platelet swelling assay

Na $^+$ /H $^+$ exchanger (Marala, R.B. (451) 37)

p38 MAP (mitogen-activated protein) kinase inhibitor

FR167653; Carrageenan; Paw edema; Lipopolysaccharide; Vascular permeability (Nishikori, T. (451) 327)

Positive modulator

Neocortex, rat; Baclofen; SKF 97541; Fendiline; Prenylamine (Kerr, D.I.B. (451) 69)

Prenylamine

Neocortex, rat; Baclofen; SKF 97541; Positive modulator; Fendiline (Kerr, D.I.B. (451) 69)

Prostanoid

Bicarbonate-dependent secretion; Cannabinoid; Enkephalin; Inflammatory mediator (Green, B.T. (451) 185)

Pyrazole

Lipopolysaccharide; Antipyresis; Fever; Hypothermia; Mouse (Souza, F.R. (451) 141)

Radical scavenger

Cisplatin; Renal toxicity; Blood urea nitrogen; Creatinine; Glutathione (Sueishi, K. (451) 203)

Raf-1

Adenylyl cyclase superactivation; δ -Opioid receptor, human (Varga, E.V. (451) 101)

Recombinant

Zaleplon; Zolpidem; Benzodiazepine; GABA_A receptors; Cl[−] current; *Xenopus* oocyte (Sanna, E. (451) 103)

Renal toxicity

Cisplatin; Radical scavenger; Blood urea nitrogen; Creatinine; Glutathione (Sueishi, K. (451) 203)

Respiratory distress syndrome, adult

Neutrophil elastase; Lung injury, acute; Permeability; Edema (Kawabata, K. (451) 1)

[³⁵S]GTP γ S

δ -Opioid receptor, subtype; Chinese hamster ovary (CHO) cell; Binding; Naltrindole derivative (Parkhill, A.L. (451) 257)

SKF 97541

Neocortex, rat; Baclofen; Positive modulator; Fendiline; Prenylamine (Kerr, D.I.B. (451) 69)

Spinal dorsal horn

Endomorphin-1; Endomorphin-2; c-Fos; Zif/268; Formalin (Tateyama, S. (451) 79)

Stellate cell

Pepstatin A; *N*-acetyl-L-cysteine; Cathepsin D; IGF-I (insulin-like growth factor-I); PDGF (platelet-derived growth factor) (Takashima, T. (451) 265)

Striatum

Patch-clamp, whole-cell; Adenosine A_{2A} receptor; NMDA receptor (Gerevich, Z. (451) 161)

Structure–activity

GABA_A receptor; *Xenopus* oocyte; 4-PIOL (5-(4-piperidyl)-3-isoxazolol); Partial agonist; Lipophilicity (Mortensen, M. (451) 125)

Structure–function relationship

Xanthine oxidase; Flavonoid; Inhibition; IC₅₀ (Van Hoorn, D.E.C. (451) 111)

Supersensitivity

Tail-flick test; Analgesia; Naloxone; Morphine; Nimodipine; *B*_{max}; [³H]PN200-110 binding (Gullapalli, S. (451) 271)

Tail-flick test

Analgesia; Naloxone; Morphine; Supersensitivity; Nimodipine; *B*_{max}; [³H]PN200-110 binding (Gullapalli, S. (451) 271)

TAK-778

Osteoblast differentiation; Alkaline phosphatase; Growth factor; Msx2 (Gotoh, M. (451) 19)

Temperature (mouse)

Theophylline; Nitric oxide (NO); L-Arginine; *N*^G-nitro-L-arginine methyl-ester (L-NAME); *N*^ω-nitro-L-arginine (L-NA) (Zarrindast, M.-R. (451) 63)

Theophylline

Nitric oxide (NO); L-Arginine; *N*^G-nitro-L-arginine methylester (L-NAME); *N*^ω-nitro-L-arginine (L-NA); Temperature (mouse) (Zarrindast, M.-R. (451) 63)

Ulcer healing

Aspirin; *Helicobacter pylori*; Gastric secretion; Gastric blood flow; Cyclooxygenase; Growth factor (Konturek, P.C. (451) 191)

Urinary bladder

Bladder, overactive; Irritable bowel syndrome; Ileum (Modiri, A.-R. (451) 171)

Vascular permeability

FR167653; p38 MAP (mitogen-activated protein) kinase inhibitor; Carrageenan; Paw edema; Lipopolysaccharide (Nishikori, T. (451) 327)

Ventricular strip, rat

MDMA (3,4-methylenedioxymethamphetamine); MDEA (3,4-methylene-dioxyethylamphetamine); MDA (3,4-methylenedioxyamphetamine); Cathinone; Cocaine; Contraction (Cleary, L. (451) 303)

Verbascoside

Buddleja officinalis Maxim; Phenylpropanoid glucoside; Oxidative stress; Apoptosis; Parkinson's disease (Sheng, G.-Q. (451) 119)

Vitamin C

Melatonin; N1E-115 cell; Okadaic acid; Oxidative stress; Antioxidant enzyme (Montilla-López, P. (451) 237)

Withdrawal time

Nisoxetine; Norepinephrine transporter; Intermittent; Nerve growth factor; Dopamine uptake (Kantor, L. (451) 27)

Xanthine oxidase

Flavonoid; Structure–function relationship; Inhibition; IC₅₀ (Van Hoorn, D.E.C. (451) 111)

***Xenopus* oocyte**

Zaleplon; Zolpidem; Benzodiazepine; GABA_A receptors; Recombinant; Cl[−] current (Sanna, E. (451) 103)

GABA_A receptor; 4-PIOL (5-(4-piperidyl)-3-isoxazolol); Partial agonist; Structure–activity; Lipophilicity (Mortensen, M. (451) 125)

Zaleplon

Zolpidem; Benzodiazepine; GABA_A receptors; Recombinant; Cl[−] current; *Xenopus* oocyte (Sanna, E. (451) 103)

Zif/268

Endomorphin-1; Endomorphin-2; c-Fos; Formalin; Spinal dorsal horn (Tateyama, S. (451) 79)

Zn²⁺ level

Endotoxin; Oxidative stress; Metallothionein; Ca²⁺; Nitric oxide (NO) (Sakaguchi, S. (451) 309)

Zolpidem

Zaleplon; Benzodiazepine; GABA_A receptors; Recombinant; Cl[−] current; *Xenopus* oocyte (Sanna, E. (451) 103)