

Keyword index

Acid activation

H⁺/K⁺ ATPase; Reversibility; Non-competitive inhibition (Cheon, H.G. (411) 183)

Adenosine

Myocardial infarction; Nucleoside transport; Taurine; Dipyridamole (Zemgulis, V. (411) 145)

Adenosine A_{2A} receptor

Striatum, rat; Radioligand binding; Autoradiography (Alexander, S.P.H. (411) 205)

Adrenal

Atenolol; β -Adrenoceptor; Catecholamine; Lung; Nitric oxide (NO) (Adding, L.C. (411) 311)

α_{2C} -Adrenoceptor

Receptor reserve; [³⁵S]GTP γ S binding; cAMP; Efficacy; Signal amplification (Umland, S.P. (411) 211)

β -Adrenoceptor

Adrenal; Atenolol; Catecholamine; Lung; Nitric oxide (NO) (Adding, L.C. (411) 311)

Adrenoceptor agonist

Baclofen; Adrenoceptor antagonist; Memory; (Rat) (Zarrindast, M.-R. (411) 283)

Adrenoceptor antagonist

Baclofen; Adrenoceptor agonist; Memory; (Rat) (Zarrindast, M.-R. (411) 283)

α_2 -Adrenoceptors

Excitatory junctional potential; Mesenteric artery (Mutafova-Yambolieva, V.N. (411) 125)

ATPA (2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid)

ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isoxazolyl)propionic acid); Thio-ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isothiazolyl)propionic acid); Kainic acid; Chiral chromatography; Enantiomer; Desensitization; AMPA receptor cloned; Kainic acid receptor cloned; Cortical wedge preparation (Stensbøl, T.B. (411) 245)

ATPA receptor cloned

ATPA (2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid); ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isoxazolyl)propionic acid); Thio-ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isothiazolyl)propionic acid); Kainic acid; Chiral chromatography; Enantiomer; Desensitization; Kainic acid receptor cloned; Cortical wedge preparation (Stensbøl, T.B. (411) 245)

Angiotensin

Renin; Endothelin-1; MAP (mitogen-activated protein kinase); Smooth muscle cells (Kubo, T. (411) 27)

Angiotensin II

Phosphodiesterase; Grafting; Stenosis (Takai, S. (411) 301)

Anion (Cl⁻/HCO₃⁻) exchange

Cardiomyocyte; Hypoxia/reoxygenation; pH, intracellular; Ca²⁺, intracellular (Kawasaki, H. (411) 35)

Antidepressant

Fluoxetine; Hippocampus; Neurogenesis; Cerebellar granule (Manev, H. (411) 67)

Anti-ulcer activity

Gastric acid secretion; Gastric ulcer; Duodenal ulcer (Cheon, H.G. (411) 191)

Aorta, rat

Phosphodiesterase type 5 inhibitor; Corpus cavernosum, rabbit; Relaxation; Cyclic nucleotide (Takagi, M. (411) 163)

Atenolol

Adrenal; β -Adrenoceptor; Catecholamine; Lung; Nitric oxide (NO) (Adding, L.C. (411) 311)

ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isoxazolyl)propionic acid)

ATPA (2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid); Thio-ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isothiazolyl)propionic acid); Kainic acid; Chiral chromatography; Enantiomer; Desensitization; AMPA receptor cloned; Kainic acid receptor cloned; Cortical wedge preparation (Stensbøl, T.B. (411) 245)

Autoradiography

Adenosine A_{2A} receptor; Striatum, rat; Radioligand binding (Alexander, S.P.H. (411) 205)

Baclofen

Adrenoceptor agonist; Adrenoceptor antagonist; Memory; (Rat) (Zarrindast, M.-R. (411) 283)

Blood–brain barrier

P-glycoprotein; Tissue plasminogen activator (Deli, M.A. (411) R3)

Bradycardia

Cholestasis; Nitric oxide (NO); Chronotropism; Epinephrine; Isolated atrium, rat (Nahavandi, A. (411) 137)

Ca²⁺ channel blocker

LY393613; Nimodipine; Verapamil; Ischaemia, focal; Neuroprotection (Bogaert, L. (411) 71)

Ca²⁺, intracellular

Cardiomyocyte; Hypoxia/reoxygenation; Anion (Cl⁻/HCO₃⁻) exchange; pH, intracellular (Kawasaki, H. (411) 35)

cAMP

5-HT (5-hydroxytryptamine, serotonin); Corticosterone; Hippocampus (Gur, E. (411) 115)

α_{2C} -Adrenoceptor; Receptor reserve; [35 S]GTP γ S binding; Efficacy; Signal amplification (Umland, S.P. (411) 211)

Cardiomyocyte

Hypoxia/reoxygenation; Anion ($\text{Cl}^-/\text{HCO}_3^-$) exchange; pH, intracellular; Ca^{2+} , intracellular (Kawasaki, H. (411) 35)

Catalepsy

5-HT $_{1A}$ receptors; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective; (Rat) (Eltayb, A. (411) 275)

Catecholamine

Adrenal; Atenolol; β -Adrenoceptor; Lung; Nitric oxide (NO) (Adding, L.C. (411) 311)

Cell proliferation

Pentalenolactone; Smooth muscle cell, vascular; ERK1/2; MEK1/2 (Ikeda, M. (411) 45)

Cerebellar granule

Antidepressant; Fluoxetine; Hippocampus; Neurogenesis (Manev, H. (411) 67)

C-fibre reflex

Nociception; Sufentanil; Intrinsic efficacy; Facilitation; Obex-transection (Adam, F. (411) 93)

CFTR (cystic fibrosis transmembrane conductance regulator)

Cl^- channel; Voltage-dependent block; Fatty acid; Cystic fibrosis (Linsdell, P. (411) 255)

cGMP

Erectile dysfunction, male; Nitrgenic nerve; Nitric oxide (NO); Phosphodiesterase 5; Sexual dysfunction, female; Sildenafil; Zaprinast (Gibson, A. (411) 1)

Chiral chromatography

AMPA (2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid); ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isoxazolyl)propionic acid); Thio-ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isothiazolyl)propionic acid); Kainic acid; Enantiomer; Desensitization; AMPA receptor cloned; Kainic acid receptor cloned; Cortical wedge preparation (Stensbøl, T.B. (411) 245)

Cholestasis

Nitric oxide (NO); Chronotropism; Bradycardia; Epinephrine; Isolated atrium, rat (Nahavandi, A. (411) 137)

Chronotropism

Cholestasis; Nitric oxide (NO); Bradycardia; Epinephrine; Isolated atrium, rat (Nahavandi, A. (411) 137)

Cigarette smoke

Inflammatory bowel disease; Cyclooxygenase-2; 2,4,6-Trinitrobenzene sulfonic acid; Cyclooxygenase inhibitor (Guo, X. (411) 199)

 Cl^- channel

Voltage-dependent block; Fatty acid; CFTR (cystic fibrosis transmembrane conductance regulator); Cystic fibrosis (Linsdell, P. (411) 255)

Cocaine

Convulsion; Dystonia; Lethality; Red nucleus; σ Receptor; Toxicity (Matsumoto, R.R. (411) 261)

Collagen

Daunorubicin; Doxorubicin; Fibroblast; Prolidase (Muszyńska, A. (411) 17)

Convulsion

Cocaine; Dystonia; Lethality; Red nucleus; σ Receptor; Toxicity (Matsumoto, R.R. (411) 261)

Corpus cavernosum, rabbit

Phosphodiesterase type 5 inhibitor; Aorta, rat; Relaxation; Cyclic nucleotide (Takagi, M. (411) 163)

Cortical wedge preparation

AMPA (2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid); ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isoxazolyl)propionic acid); Thio-ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isothiazolyl)propionic acid); Kainic acid; Chiral chromatography; Enantiomer; Desensitization; AMPA receptor cloned; Kainic acid receptor cloned (Stensbøl, T.B. (411) 245)

Corticosterone

5-HT (5-hydroxytryptamine, serotonin); Hippocampus; cAMP (Gur, E. (411) 115)

Cyclic nucleotide

Phosphodiesterase type 5 inhibitor; Aorta, rat; Corpus cavernosum, rabbit; Relaxation (Takagi, M. (411) 163)

Mucus secretion; Nitric oxide (NO); Second messenger; Trachea, rat (Bredenbröker, D. (411) 319)

Cyclooxygenase-2

Cigarette smoke; Inflammatory bowel disease; 2,4,6-Trinitrobenzene sulfonic acid; Cyclooxygenase inhibitor (Guo, X. (411) 199)

Toll-like receptor-4; 15-Deoxy- $\Delta^{12,14}$ prostaglandin J_2 ; Interleukin-4; Nitric oxide (NO) synthase, inducible; Heme oxygenase-1 (Kitamura, Y. (411) 223)

Cyclooxygenase inhibitor

Cigarette smoke; Inflammatory bowel disease; Cyclooxygenase-2; 2,4,6-Trinitrobenzene sulfonic acid (Guo, X. (411) 199)

Cystic fibrosis

Cl^- channel; Voltage-dependent block; Fatty acid; CFTR (cystic fibrosis transmembrane conductance regulator) (Linsdell, P. (411) 255)

Daunorubicin

Collagen; Doxorubicin; Fibroblast; Prolidase (Muszyńska, A. (411) 17)

Dementia

Selegiline; Human immunodeficiency virus (HIV) (Koutsilieri, E. (411) R1)

15-Deoxy- $\Delta^{12,14}$ prostaglandin J_2

Toll-like receptor-4; Interleukin-4; Nitric oxide (NO) synthase, inducible; Cyclooxygenase-2; Heme oxygenase-1 (Kitamura, Y. (411) 223)

Desensitization

AMPA (2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid); ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isoxazolyl)propionic acid); Thio-ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isothiazolyl)propionic acid); Kainic acid; Chiral chromatography; Enantiomer; AMPA receptor cloned; Kainic acid receptor cloned; Cortical wedge preparation (Stensbøl, T.B. (411) 245)

Dexamethasone

VEGF (Vascular endothelial growth factor); Hypoxia; Endothelial cell (Fischer, S. (411) 231)

Dipyridamole

Myocardial infarction; Nucleoside transport; Adenosine; Taurine (Zemgulis, V. (411) 145)

L-DOPA (L-3,4-dihydroxyphenylalanine) accumulation

Dopamine synthesis; Nucleus accumbens; (Rat) (Heidbreder, C.A. (411) 107)

Dopamine

SKF 38393; Protein kinase C; Protein kinase A; Na⁺,K⁺-ATPase; Dopamine D₁-like receptors (Asghar, M. (411) 61)

Dopamine D₁-like receptors

SKF 38393; Protein kinase C; Protein kinase A; Na⁺,K⁺-ATPase; Dopamine (Asghar, M. (411) 61)

Dopamine synthesis

L-DOPA (L-3,4-dihydroxyphenylalanine) accumulation; Nucleus accumbens; (Rat) (Heidbreder, C.A. (411) 107)

Doxorubicin

Collagen; Daunorubicin; Fibroblast; Prolidase (Muszyńska, A. (411) 17)

Duodenal ulcer

Gastric acid secretion; Anti-ulcer activity; Gastric ulcer (Cheon, H.G. (411) 191)

Dystonia

Cocaine; Convulsion; Lethality; Red nucleus; σ Receptor; Toxicity (Matsumoto, R.R. (411) 261)

EDHF (endothelium-derived hyperpolarizing factor)

Insulin; Vasorelaxation; K⁺ channels Ca²⁺-activated; P450 metabolite (Iida, S. (411) 157)

Efficacy

α_{2C} -Adrenoceptor; Receptor reserve; [³⁵S]GTP- γ S binding; cAMP; Signal amplification (Umland, S.P. (411) 211)

Enantiomer

AMPA (2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid); ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isoxazolyl)propionic acid); Thio-ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isothiazolyl)propionic acid); Kainic acid; Chiral chromatography; Desensitization; AMPA receptor cloned; Kainic acid receptor cloned; Cortical wedge preparation (Stensbøl, T.B. (411) 245)

Endothelial cell

Dexamethasone; VEGF (Vascular endothelial growth factor); Hypoxia (Fischer, S. (411) 231)

Endothelin-1

Renin; Angiotensin; MAP (mitogen-activated protein kinase); Smooth muscle cells (Kubo, T. (411) 27)

Entropy change

GABA_A receptors, Recombinant; Thermodynamics; GABA_A receptor antagonist; GABA_A receptor agonist (Maksay, G. (411) 55)

EP 50885

Penile erection; EP 80661; EP 60761; EP 91071; Hexarelin; Oxytocin; Nitric oxide (NO); Paraventricular Nucleus; (Rat) (Melis, M.R. (411) 305)

EP 60761

Penile erection; EP 80661; EP 91071; EP 50885; Hexarelin; Oxytocin; Nitric oxide (NO); Paraventricular Nucleus; (Rat) (Melis, M.R. (411) 305)

EP 80661

Penile erection; EP 60761; EP 91071; EP 50885; Hexarelin; Oxytocin; Nitric oxide (NO); Paraventricular Nucleus; (Rat) (Melis, M.R. (411) 305)

EP 91071

Penile erection; EP 80661; EP 60761; EP 50885; Hexarelin; Oxytocin; Nitric oxide (NO); Paraventricular Nucleus; (Rat) (Melis, M.R. (411) 305)

Epinephrine

Cholestasis; Nitric oxide (NO); Chronotropism; Bradycardia; Isolated atrium, rat (Nahavandi, A. (411) 137)

Erectile dysfunction, male

cGMP; Nitrogenic nerve; Nitric oxide (NO); Phosphodiesterase 5; Sexual dysfunction, female; Sildenafil; Zaprinas (Gibson, A. (411) 1)

ERK1/2

Pentalenolactone; Smooth muscle cell, vascular; MEK1/2; Cell proliferation (Ikeda, M. (411) 45)

Excitatory junctional potential

α_2 -Adrenoceptors; Mesenteric artery (Mutafova-Yambolieva, V.N. (411) 125)

Facilitation

Nociception; C-fibre reflex; Sufentanil; Intrinsic efficacy; Obex-transection (Adam, F. (411) 93)

Fatty acid

Cl⁻ channel; Voltage-dependent block; CFTR (cystic fibrosis transmembrane conductance regulator); Cystic fibrosis (Linsdell, P. (411) 255)

Fibroblast

Collagen; Daunorubicin; Doxorubicin; Prolidase (Muszyńska, A. (411) 17)

Fluoxetine

Antidepressant; Hippocampus; Neurogenesis; Cerebellar granule (Manev, H. (411) 67)

Formylpeptide receptor

Neutrophil, human; Full agonist, Partial agonist, Neutrophil functionality (Dalpiaz, A. (411) 327)

Full agonist, Partial agonist, Neutrophil functionality

Neutrophil, human; Formylpeptide receptor (Dalpiaz, A. (411) 327)

GABA_A receptor agonist

GABA_A receptors, Recombinant; Thermodynamics; GABA_A receptor antagonist; Entropy change (Maksay, G. (411) 55)

GABA_A receptor antagonist

GABA_A receptors, Recombinant; Thermodynamics; GABA_A receptor agonist; Entropy change (Maksay, G. (411) 55)

GABA_A receptors, Recombinant

Thermodynamics; GABA_A receptor antagonist; GABA_A receptor agonist; Entropy change (Maksay, G. (411) 55)

Gastric acid secretion

Anti-ulcer activity; Gastric ulcer; Duodenal ulcer (Cheon, H.G. (411) 191)

Gastric ulcer

Gastric acid secretion; Anti-ulcer activity; Duodenal ulcer (Cheon, H.G. (411) 191)

G-protein gene expression

Morphine; RT-PCR (reverse transcriptase–polymerase chain reaction); Withdrawal (Kaewsuk, S. (411) 11)

Grafting

Phosphodiesterase; Angiotensin II; Stenosis (Takai, S. (411) 301)

Heme oxygenase-1

Toll-like receptor-4; 15-Deoxy- $\Delta^{12,14}$ prostaglandin J_2 ; Interleukin-4; Nitric oxide (NO) synthase, inducible; Cyclooxygenase-2 (Kitamura, Y. (411) 223)

Hexarelin

Penile erection; EP 80661; EP 60761; EP 91071; EP 50885; Oxytocin; Nitric oxide (NO); Paraventricular Nucleus; (Rat) (Melis, M.R. (411) 305)

Hippocampus

Antidepressant; Fluoxetine; Neurogenesis; Cerebellar granule (Manev, H. (411) 67)

5-HT (5-hydroxytryptamine, serotonin); Corticosterone; cAMP (Gur, E. (411) 115)

H⁺/K⁺ ATPase

Reversibility; Acid activation; Non-competitive inhibition (Cheon, H.G. (411) 183)

5-HT (5-hydroxytryptamine, serotonin)

Corticosterone; Hippocampus; cAMP (Gur, E. (411) 115)

5-HT (5-hydroxytryptamine, serotonin) transporter

Nicotine; Paroxetine; Pregnancy; Smoking (Muneoka, K. (411) 279)

5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective

5-HT_{1A} receptors; Catalepsy; (Rat) (Eltayb, A. (411) 275)

5-HT_{1A} receptors

5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective; Catalepsy; (Rat) (Eltayb, A. (411) 275)

Human immunodeficiency virus (HIV)

Selegiline; Dementia (Koutsilieri, E. (411) R1)

Hypertension

Nitric oxide (NO) synthase; Proteinuria; Spontaneously hypertensive rat (SHR); *N* ω -nitro-L-arginine; Survival (Verhagen, A.M.G. (411) 177)

Hypoxia

Dexamethasone; VEGF (Vascular endothelial growth factor); Endothelial cell (Fischer, S. (411) 231)

Hypoxia/reoxygenation

Cardiomyocyte; Anion ($\text{Cl}^-/\text{HCO}_3^-$) exchange; pH, intracellular; Ca^{2+} , intracellular (Kawasaki, H. (411) 35)

Inflammatory bowel disease

Cigarette smoke; Cyclooxygenase-2; 2,4,6-Trinitrobenzene sulfonic acid; Cyclooxygenase inhibitor (Guo, X. (411) 199)

Insulin

Vasorelaxation; K^+ channels Ca^{2+} -activated; EDHF (endothelium-derived hyperpolarizing factor); P450 metabolite (Iida, S. (411) 157)

Interleukin-4

Toll-like receptor-4; 15-Deoxy- $\Delta^{12,14}$ prostaglandin J_2 ; Nitric oxide (NO) synthase, inducible; Cyclooxygenase-2; Heme oxygenase-1 (Kitamura, Y. (411) 223)

Intrinsic efficacy

Nociception; C-fibre reflex; Sufentanil; Facilitation; Obex-transection (Adam, F. (411) 93)

Iron-chelator

Photodamage; Wrinkling; Kojic acid; Radical scavenger (Mitani, H. (411) 171)

Ischaemia, focal

Ca^{2+} channel blocker; LY393613; Nimodipine; Verapamil; Neuroprotection (Bogaert, L. (411) 71)

Isolated atrium, rat

Cholestasis; Nitric oxide (NO); Chronotropism; Bradycardia; Epinephrine (Nahavandi, A. (411) 137)

Kainic acid

NMDA (*N*-methyl-D-aspartate); Striatum; Nucleus accumbens; Medial prefrontal cortex (Radke, J.M. (411) 131)

AMPA (2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid); ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isoxazolyl)propionic acid); Thio-ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isothiazolyl)propionic acid); Chiral chromatography; Enantiomer; Desensitization; AMPA receptor cloned; Kainic acid receptor cloned; Cortical wedge preparation (Stensbøl, T.B. (411) 245)

Kainic acid receptor cloned

AMPA (2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid); ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isoxazolyl)propionic acid); Thio-ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isothiazolyl)propionic acid); Kainic acid; Chiral chromatography; Enantiomer; Desensitization; AMPA receptor cloned; Cortical wedge preparation (Stensbøl, T.B. (411) 245)

K⁺ channels Ca^{2+} -activated

Insulin; Vasorelaxation; EDHF (endothelium-derived hyperpolarizing factor); P450 metabolite (Iida, S. (411) 157)

Kojic acid

Photodamage; Wrinkling; Iron-chelator; Radical scavenger (Mitani, H. (411) 171)

Lethality

Cocaine; Convulsion; Dystonia; Red nucleus; σ Receptor; Toxicity (Matsumoto, R.R. (411) 261)

Lung

Adrenal; Atenolol; β -Adrenoceptor; Catecholamine; Nitric oxide (NO) (Adding, L.C. (411) 311)

LY393613

Ca^{2+} channel blocker; Nimodipine; Verapamil; Ischaemia, focal; Neuroprotection (Bogaert, L. (411) 71)

MAP (mitogen-activated protein kinase)

Renin; Angiotensin; Endothelin-1; Smooth muscle cells (Kubo, T. (411) 27)

Medial prefrontal cortex

NMDA (*N*-methyl-D-aspartate); Kainic acid; Striatum; Nucleus accumbens (Radke, J.M. (411) 131)

MEK1/2

Pentalenolactone; Smooth muscle cell, vascular; ERK1/2; Cell proliferation (Ikeda, M. (411) 45)

Memory

Baclofen; Adrenoceptor agonist; Adrenoceptor antagonist; (Rat) (Zarrindast, M.-R. (411) 283)

Mesenteric artery

Excitatory junctional potential; α_2 -Adrenoceptors (Mutafova-Yambolieva, V.N. (411) 125)

Morphine

G-protein gene expression; RT-PCR (reverse transcriptase–polymerase chain reaction); Withdrawal (Kaewsuk, S. (411) 11)

Morphine dependence

Nucleus paragigantocellularis; Morphine tolerance; Naloxone; Single unit recording (Saiepour, M.H. (411) 85)

Morphine tolerance

Nucleus paragigantocellularis; Morphine dependence; Naloxone; Single unit recording (Saiepour, M.H. (411) 85)

Mucus secretion

Nitric oxide (NO); Cyclic nucleotide; Second messenger; Trachea, rat (Bredenbröker, D. (411) 319)

Myocardial infarction

Nucleoside transport; Adenosine; Taurine; Dipyridamole (Zemgulis, V. (411) 145)

Na⁺,K⁺-ATPase

SKF 38393; Protein kinase C; Protein kinase A; Dopamine D₁-like receptors; Dopamine (Asghar, M. (411) 61)

Naloxone

Nucleus paragigantocellularis; Morphine tolerance; Morphine dependence; Single unit recording (Saiepour, M.H. (411) 85)

Neurogenesis

Antidepressant; Fluoxetine; Hippocampus; Cerebellar granule (Manev, H. (411) 67)

Neuroprotection

Ca²⁺ channel blocker; LY393613; Nimodipine; Verapamil; Ischaemia, focal (Bogaert, L. (411) 71)

Neutrophil, human

Formylpeptide receptor; Full agonist, Partial agonist, Neutrophil functionality (Dalpiaz, A. (411) 327)

Nicotine

5-HT (5-hydroxytryptamine, serotonin) transporter; Paroxetine; Pregnancy; Smoking (Muneoka, K. (411) 279)

Nimodipine

Ca²⁺ channel blocker; LY393613; Verapamil; Ischaemia, focal; Neuroprotection (Bogaert, L. (411) 71)

Nitrergic nerve

cGMP; Erectile dysfunction, male; Nitric oxide (NO); Phosphodiesterase 5; Sexual dysfunction, female; Sildenafil; Zaprinast (Gibson, A. (411) 1)

Nitric oxide (NO)

cGMP; Erectile dysfunction, male; Nitrergic nerve; Phosphodiesterase 5; Sexual dysfunction, female; Sildenafil; Zaprinast (Gibson, A. (411) 1)

Cholestasis; Chronotropism; Bradycardia; Epinephrine; Isolated atrium, rat (Nahavandi, A. (411) 137)

Penile erection; EP 80661; EP 60761; EP 91071; EP 50885; Hexarelin; Oxytocin; Paraventricular Nucleus; (Rat) (Melis, M.R. (411) 305)

Adrenal; Atenolol; β -Adrenoceptor; Catecholamine; Lung (Adding, L.C. (411) 311)

Mucus secretion; Cyclic nucleotide; Second messenger; Trachea, rat (Bredenbröker, D. (411) 319)

Nitric oxide (NO) synthase

Hypertension; Proteinuria; Spontaneously hypertensive rat (SHR); *N* ω -nitro-L-arginine; Survival (Verhagen, A.M.G. (411) 177)

Nitric oxide (NO) synthase, inducible

Toll-like receptor-4; 15-Deoxy- $\Delta^{12,14}$ prostaglandin J₂; Interleukin-4; Cyclooxygenase-2; Heme oxygenase-1 (Kitamura, Y. (411) 223)

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

Kainic acid; Striatum; Nucleus accumbens; Medial prefrontal cortex (Radke, J.M. (411) 131)

Nociception

C-fibre reflex; Sufentanil; Intrinsic efficacy; Facilitation; Obex-transection (Adam, F. (411) 93)

Non-competitive inhibition

H⁺/K⁺ ATPase; Reversibility; Acid activation (Cheon, H.G. (411) 183)

Nucleoside transport

Myocardial infarction; Adenosine; Taurine; Dipyridamole (Zemgulis, V. (411) 145)

Nucleus accumbens

Dopamine synthesis; L-DOPA (L-3,4-dihydroxyphenylalanine) accumulation; (Rat) (Heidbreder, C.A. (411) 107)

NMDA (*N*-methyl-D-aspartate); Kainic acid; Striatum; Medial prefrontal cortex (Radke, J.M. (411) 131)

Nucleus paragigantocellularis

Morphine tolerance; Morphine dependence; Naloxone; Single unit recording (Saiepour, M.H. (411) 85)

***N* ω -nitro-L-arginine**

Nitric oxide (NO) synthase; Hypertension; Proteinuria; Spontaneously hypertensive rat (SHR); Survival (Verhagen, A.M.G. (411) 177)

Obex-transection

Nociception; C-fibre reflex; Sufentanil; Intrinsic efficacy; Facilitation (Adam, F. (411) 93)

Oxytocin

Penile erection; EP 80661; EP 60761; EP 91071; EP 50885; Hexarelin; Nitric oxide (NO); Paraventricular Nucleus; (Rat) (Melis, M.R. (411) 305)

Paraventricular Nucleus

Penile erection; EP 80661; EP 60761; EP 91071; EP 50885; Hexarelin; Oxytocin; Nitric oxide (NO); (Rat) (Melis, M.R. (411) 305)

Paroxetine

Nicotine; 5-HT (5-hydroxytryptamine, serotonin) transporter; Pregnancy; Smoking (Muneoka, K. (411) 279)

Penile erection

EP 80661; EP 60761; EP 91071; EP 50885; Hexarelin; Oxytocin; Nitric oxide (NO); Paraventricular Nucleus; (Rat) (Melis, M.R. (411) 305)

Pentalenolactone

Smooth muscle cell, vascular; ERK1/2; MEK1/2; Cell proliferation (Ikeda, M. (411) 45)

P-glycoprotein

Blood-brain barrier; Tissue plasminogen activator (Deli, M.A. (411) R3)

pH, intracellular

Cardiomyocyte; Hypoxia/reoxygenation; Anion ($\text{Cl}^-/\text{HCO}_3^-$) exchange; Ca^{2+} , intracellular (Kawasaki, H. (411) 35)

Phosphodiesterase 5

cGMP; Erectile dysfunction, male; Nitrenergic nerve; Nitric oxide (NO); Sexual dysfunction, female; Sildenafil; Zaprinast (Gibson, A. (411) 1)

Phosphodiesterase

Angiotensin II; Grafting; Stenosis (Takai, S. (411) 301)

Phosphodiesterase type 5 inhibitor

Aorta, rat; Corpus cavernosum, rabbit; Relaxation; Cyclic nucleotide (Takagi, M. (411) 163)

Photodamage

Wrinkling; Kojic acid; Iron-chelator; Radical scavenger (Mitani, H. (411) 171)

P450 metabolite

Insulin; Vasorelaxation; K^+ channels Ca^{2+} -activated; EDHF (endothelium-derived hyperpolarizing factor) (Iida, S. (411) 157)

Pregnancy

Nicotine; 5-HT (5-hydroxytryptamine, serotonin) transporter; Paroxetine; Smoking (Muneoka, K. (411) 279)

Prolidase

Collagen; Daunorubicin; Doxorubicin; Fibroblast (Muszyńska, A. (411) 17)

Protein kinase A

SKF 38393; Protein kinase C; Na^+,K^+ -ATPase; Dopamine D_1 -like receptors; Dopamine (Asghar, M. (411) 61)

Protein kinase C

SKF 38393; Protein kinase A; Na^+,K^+ -ATPase; Dopamine D_1 -like receptors; Dopamine (Asghar, M. (411) 61)

Proteinuria

Nitric oxide (NO) synthase; Hypertension; Spontaneously hypertensive rat (SHR); *N* ω -nitro-L-arginine; Survival (Verhagen, A.M.G. (411) 177)

Radical scavenger

Photodamage; Wrinkling; Kojic acid; Iron-chelator (Mitani, H. (411) 171)

Radioligand binding

Adenosine $\text{A}_{2\text{A}}$ receptor; Striatum, rat; Autoradiography (Alexander, S.P.H. (411) 205)

 σ Receptor

Cocaine; Convulsion; Dystonia; Lethality; Red nucleus; Toxicity (Matsumoto, R.R. (411) 261)

Receptor reserve

$\alpha_{2\text{C}}$ -Adrenoceptor; [^{35}S]GTP γS binding; cAMP; Efficacy; Signal amplification (Umland, S.P. (411) 211)

Red nucleus

Cocaine; Convulsion; Dystonia; Lethality; σ Receptor; Toxicity (Matsumoto, R.R. (411) 261)

Relaxation

Phosphodiesterase type 5 inhibitor; Aorta, rat; Corpus cavernosum, rabbit; Cyclic nucleotide (Takagi, M. (411) 163)

Renin

Angiotensin; Endothelin-1; MAP (mitogen-activated protein kinase); Smooth muscle cells (Kubo, T. (411) 27)

Reversibility

H^+/K^+ ATPase; Acid activation; Non-competitive inhibition (Cheon, H.G. (411) 183)

RT-PCR (reverse transcriptase-polymerase chain reaction)

Morphine; G-protein gene expression; Withdrawal (Kaewsuk, S. (411) 11)

Second messenger

Mucus secretion; Nitric oxide (NO); Cyclic nucleotide; Trachea, rat (Bredenbröker, D. (411) 319)

Selegiline

Human immunodeficiency virus (HIV); Dementia (Koutsilieri, E. (411) R1)

Sexual dysfunction, female

cGMP; Erectile dysfunction, male; Nitrenergic nerve; Nitric oxide (NO); Phosphodiesterase 5; Sildenafil; Zaprinast (Gibson, A. (411) 1)

[^{35}S]GTP γS binding

$\alpha_{2\text{C}}$ -Adrenoceptor; Receptor reserve; cAMP; Efficacy; Signal amplification (Umland, S.P. (411) 211)

Signal amplification

$\alpha_{2\text{C}}$ -Adrenoceptor; Receptor reserve; [^{35}S]GTP γS binding; cAMP; Efficacy (Umland, S.P. (411) 211)

Sildenafil

cGMP; Erectile dysfunction, male; Nitrenergic nerve; Nitric oxide (NO); Phosphodiesterase 5; Sexual dysfunction, female; Zaprinast (Gibson, A. (411) 1)

Single unit recording

Nucleus paragigantocellularis; Morphine tolerance; Morphine dependence; Naloxone (Saiepour, M.H. (411) 85)

SKF 38393

Protein kinase C; Protein kinase A; Na^+,K^+ -ATPase; Dopamine D_1 -like receptors; Dopamine (Asghar, M. (411) 61)

Smoking

Nicotine; 5-HT (5-hydroxytryptamine, serotonin) transporter; Paroxetine; Pregnancy (Muneoka, K. (411) 279)

Smooth muscle cells

Renin; Angiotensin; Endothelin-1; MAP (mitogen-activated protein kinase) (Kubo, T. (411) 27)

Smooth muscle cell, vascular

Pentalenolactone; ERK1/2; MEK1/2; Cell proliferation (Ikeda, M. (411) 45)

Spontaneously hypertensive rat (SHR)

Nitric oxide (NO) synthase; Hypertension; Proteinuria; *N* ω -nitro-L-arginine; Survival (Verhagen, A.M.G. (411) 177)

Stenosis

Phosphodiesterase; Angiotensin II; Grafting (Takai, S. (411) 301)

Striatum

NMDA (*N*-methyl-D-aspartate); Kainic acid; Nucleus accumbens; Medial prefrontal cortex (Radke, J.M. (411) 131)

Striatum, rat

Adenosine A_{2A} receptor; Radioligand binding; Autoradiography (Alexander, S.P.H. (411) 205)

Sufentanil

Nociception; C-fibre reflex; Intrinsic efficacy; Facilitation; Obex-transection (Adam, F. (411) 93)

Survival

Nitric oxide (NO) synthase; Hypertension; Proteinuria; Spontaneously hypertensive rat (SHR); *N* ω -nitro-L-arginine (Verhagen, A.M.G. (411) 177)

Taurine

Myocardial infarction; Nucleoside transport; Adenosine; Dipyridamole (Zemgulis, V. (411) 145)

Thermodynamics

GABA_A receptors, Recombinant; GABA_A receptor antagonist; GABA_A receptor agonist; Entropy change (Maksay, G. (411) 55)

Thio-ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isothiazolyl)propionic acid)

AMPA (2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid); ATPA (2-amino-3-(5-*tert*-butyl-3-hydroxy-4-isoxazolyl)propionic acid); Kainic acid; Chiral chromatography; Enantiomer; Desensitization; AMPA receptor cloned; Kainic acid receptor cloned; Cortical wedge preparation (Stensbøl, T.B. (411) 245)

Tissue plasminogen activator

Blood-brain barrier; P-glycoprotein (Deli, M.A. (411) R3)

Toll-like receptor-4

15-Deoxy- $\Delta^{12,14}$ prostaglandin J₂; Interleukin-4; Nitric oxide (NO) synthase, inducible; Cyclooxygenase-2; Heme oxygenase-1 (Kitamura, Y. (411) 223)

Toxicity

Cocaine; Convulsion; Dystonia; Lethality; Red nucleus; σ Receptor (Matsumoto, R.R. (411) 261)

Trachea, rat

Mucus secretion; Nitric oxide (NO); Cyclic nucleotide; Second messenger (Bredenbröker, D. (411) 319)

2,4,6-Trinitrobenzene sulfonic acid

Cigarette smoke; Inflammatory bowel disease; Cyclooxygenase-2; Cyclooxygenase inhibitor (Guo, X. (411) 199)

Vasorelaxation

Insulin; K⁺ channels Ca²⁺-activated; EDHF (endothelium-derived hyperpolarizing factor); P450 metabolite (Iida, S. (411) 157)

VEGF (Vascular endothelial growth factor)

Dexamethasone; Hypoxia; Endothelial cell (Fischer, S. (411) 231)

Verapamil

Ca²⁺ channel blocker; LY393613; Nimodipine; Ischaemia, focal; Neuroprotection (Bogaert, L. (411) 71)

Voltage-dependent block

Cl⁻ channel; Fatty acid; CFTR (cystic fibrosis transmembrane conductance regulator); Cystic fibrosis (Linsdell, P. (411) 255)

Withdrawal

Morphine; G-protein gene expression; RT-PCR (reverse transcriptase-polymerase chain reaction) (Kaewsuk, S. (411) 11)

Wrinkling

Photodamage; Kojic acid; Iron-chelator; Radical scavenger (Mitani, H. (411) 171)

Zaprinast

cGMP; Erectile dysfunction, male; Nitrgenic nerve; Nitric oxide (NO); Phosphodiesterase 5; Sexual dysfunction, female; Sildenafil (Gibson, A. (411) 1)