

Keyword index

Acamprosate

Memory, Social; Polyamines; Ifenprodil (Mikolajczak, P. (444) 78)

Action potential

Risperidone; Transient outward current; Delayed rectifier current; Inward rectifier current; Heart, rabbit (Gluais, P. (444) 123)

Adenosine A₃ receptor

KF26777 (2-(4-bromophenyl)-7,8-dihydro-4-propyl-1*H*-imidazo[2,1-*i*]purin-5(4*H*)-one dihydrochloride); Binding assay; Ca²⁺; Guanine nucleotide (Saki, M. (444) 133)

α₁-Adrenoceptor mRNA

α₁-Adrenoceptor subtype; Brain, rat; [³H]Prazosin binding; Imipramine; Electroconvulsive shock (Nalepa, I. (444) 151)

α₁-Adrenoceptor subtype

Brain, rat; [³H]Prazosin binding; Imipramine; Electroconvulsive shock; α₁-Adrenoceptor mRNA (Nalepa, I. (444) 151)

Adrenomedullin

Kidney, rat; Vasodilation; Nitric oxide (NO); EDHF (endothelium-derived hyperpolarizing factor) (Wangenstein, R. (444) 92)

Aging

Gastric ulcer; Cimetidine; Omeprazole; (Rat) (Ishihara, M. (444) 209)

Alcohol sensitivity, high

Ethanol; Taurine; Glutamate; Microdialysis; Alcohol sensitivity, low (Quertemont, E. (444) 143)

Alcohol sensitivity, low

Ethanol; Taurine; Glutamate; Microdialysis; Alcohol sensitivity, high (Quertemont, E. (444) 143)

Amiodarone

Dronedarone; Thyroid hormone; Ischemia; Heart, isolated, rat (Pantos, C. (444) 191)

cAMP

IP receptor; EP₃ receptor; Cell migration (Blindt, R. (444) 29)

AMPA receptor

2,2'-Pyridylisatogen; Immine oxide; Spin trap; Motoneuron; ATP antagonist; P2Y receptor; Neuroprotection (Menton, K. (444) 49)

cAMP pathway

Penile artery; Penile vein; Milrinone; Rolipram (Segarra, G. (444) 98)

Anandamide

2-Arachidonoylglycerol; Cannabinoid; Colon, guinea-pig (Kojima, S.-i. (444) 203)

Antinociception

K⁺ channel blocker; Dipyrone; K⁺ channel (Alves, D.P. (444) 43)

Antipsychotic

Benzamide; Extrapyramidal symptom (Marchese, G. (444) 65)

Aorta, rat

Ca²⁺ channel; Endothelium; Geissoschizine methyl ether; Nitric oxide (NO); Vasorelaxation (Yuzurihara, M. (444) 183)

Aortic contraction

4-MTA (4-methylthioamphetamine); 4-MTMA (4-methylthioamphetamine); MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxytryptamine, serotonin); Reuptake; Synaptosome (Murphy, J.E.J. (444) 57)

Apoptosis

Reactive oxygen species; Hepatocytes (Sumbayev, V.V. (444) 1)

2-Arachidonoylglycerol

Anandamide; Cannabinoid; Colon, guinea-pig (Kojima, S.-i. (444) 203)

ATP antagonist

2,2'-Pyridylisatogen; Immine oxide; Spin trap; Motoneuron; P2Y receptor; Neuroprotection; AMPA receptor (Menton, K. (444) 49)

Benzamide

Antipsychotic; Extrapyramidal symptom (Marchese, G. (444) 65)

Binding assay

Adenosine A₃ receptor; KF26777 (2-(4-bromophenyl)-7,8-dihydro-4-propyl-1*H*-imidazo[2,1-*i*]purin-5(4*H*)-one dihydrochloride); Ca²⁺; Guanine nucleotide (Saki, M. (444) 133)

Brain, rat

α₁-Adrenoceptor subtype; [³H]Prazosin binding; Imipramine; Electroconvulsive shock; α₁-Adrenoceptor mRNA (Nalepa, I. (444) 151)

Ca²⁺

Adenosine A₃ receptor; KF26777 (2-(4-bromophenyl)-7,8-dihydro-4-propyl-1*H*-imidazo[2,1-*i*]purin-5(4*H*)-one dihydrochloride); Binding assay; Guanine nucleotide (Saki, M. (444) 133)

Ca²⁺ channel

Endothelium; Geissoschizine methyl ether; Nitric oxide (NO); Aorta, rat; Vasorelaxation (Yuzurihara, M. (444) 183)

Ca²⁺, intracellular

Cl[−] channel; K⁺ channel; Na⁺–K⁺-ATPase; NO; Colon, rat (Schultheiss, G. (444) 19)

Cannabinoid

Sympathetic neurotransmission; Sensory nerve; Mesenteric arterial bed, rat; Capsaicin; Methanandamide (Ralevic, V. (444) 171)

2-Arachidonoylglycerol; Anandamide; Colon, guinea-pig (Kojima, S.-i. (444) 203)

Capsaicin

Cannabinoid; Sympathetic neurotransmission; Sensory nerve; Mesenteric arterial bed, rat; Methanandamide (Ralevic, V. (444) 171)

Cell migration

IP receptor; EP₃ receptor; cAMP (Blindt, R. (444) 29)

Nicotine; Cell proliferation; Ornithine decarboxylase; K⁺ channel; Wound healing; Nicotine receptor (Shin, V.Y. (444) 109)

Cell proliferation

Nicotine; Cell migration; Ornithine decarboxylase; K⁺ channel; Wound healing; Nicotine receptor (Shin, V.Y. (444) 109)

Cerebral edema

Dihydropyridine Ca²⁺ channel antagonist; Magnetic resonance imaging; Hypertension; Hypertensive encephalopathy; (Rat) (Blezer, E.L.A. (444) 71)

Cholinergic-serotonergic interaction

Clomipramine; Nicotinic receptor modulation; *Xenopus* oocyte; Mental depression (López-Valdés, H.E. (444) 12)

Cimetidine

Gastric ulcer; Aging; Omeprazole; (Rat) (Ishihara, M. (444) 209)

Cl⁻ channel

Ca²⁺, intracellular; K⁺ channel; Na⁺-K⁺-ATPase; NO; Colon, rat (Schultheiss, G. (444) 19)

Clomipramine

Cholinergic-serotonergic interaction; Nicotinic receptor modulation; *Xenopus* oocyte; Mental depression (López-Valdés, H.E. (444) 12)

Colon, guinea-pig

2-Arachidonoylglycerol; Anandamide; Cannabinoid (Kojima, S.-i. (444) 203)

Colon, rat

Cl⁻ channel; Ca²⁺, intracellular; K⁺ channel; Na⁺-K⁺-ATPase; NO (Schultheiss, G. (444) 19)

Delayed rectifier current

Risperidone; Action potential; Transient outward current; Inward rectifier current; Heart, rabbit (Gluais, P. (444) 123)

Dihydropyridine Ca²⁺ channel antagonist

Cerebral edema; Magnetic resonance imaging; Hypertension; Hypertensive encephalopathy; (Rat) (Blezer, E.L.A. (444) 71)

Dipyrene

K⁺ channel blocker; Antinociception; K⁺ channel (Alves, D.P. (444) 43)

Dopamine D1-like receptor

Ganglion; Fenoldopam; Sympathetic tone (Vernejoul, F. (444) 197)

Dronedarone

Amiodarone; Thyroid hormone; Ischemia; Heart, isolated, rat (Pantos, C. (444) 191)

EDHF (endothelium-derived hyperpolarizing factor)

Kidney, rat; Adrenomedullin; Vasodilation; Nitric oxide (NO) (Wangenstein, R. (444) 92)

Electroconvulsive shock

α₁-Adrenoceptor subtype; Brain, rat; [³H]Prazosin binding; Imipramine; α₁-Adrenoceptor mRNA (Nalepa, I. (444) 151)

Endothelium

Ca²⁺ channel; Geissoschizine methyl ether; Nitric oxide (NO); Aorta, rat; Vasorelaxation (Yuzurihara, M. (444) 183)

EP₃ receptor

IP receptor; cAMP; Cell migration (Blindt, R. (444) 29)

Ethanol

Taurine; Glutamate; Microdialysis; Alcohol sensitivity, high; Alcohol sensitivity, low (Quertemont, E. (444) 143)

Extrapyramidal symptom

Antipsychotic; Benzamide (Marchese, G. (444) 65)

Fenoldopam

Dopamine D1-like receptor; Ganglion; Sympathetic tone (Vernejoul, F. (444) 197)

Ganglion

Dopamine D1-like receptor; Fenoldopam; Sympathetic tone (Vernejoul, F. (444) 197)

Gastric ulcer

Aging; Cimetidine; Omeprazole; (Rat) (Ishihara, M. (444) 209)

Geissoschizine methyl ether

Ca²⁺ channel; Endothelium; Nitric oxide (NO); Aorta, rat; Vasorelaxation (Yuzurihara, M. (444) 183)

Glutamate

Ethanol; Taurine; Microdialysis; Alcohol sensitivity, high; Alcohol sensitivity, low (Quertemont, E. (444) 143)

Guanine nucleotide

Adenosine A₃ receptor; KF26777 (2-(4-bromophenyl)-7,8-dihydro-4-propyl-1*H*-imidazo[2,1-*i*]purin-5(4*H*)-one dihydrochloride); Binding assay; Ca²⁺ (Saki, M. (444) 133)

Heart, isolated, rat

Amiodarone; Dronedarone; Thyroid hormone; Ischemia (Pantos, C. (444) 191)

Heart, rabbit

Risperidone; Action potential; Transient outward current; Delayed rectifier current; Inward rectifier current (Gluais, P. (444) 123)

Hepatocytes

Reactive oxygen species; Apoptosis (Sumbayev, V.V. (444) 1)

Heteroyohimbine-type oxindole alkaloid

Pteropodine; Isopteropodine; Muscarinic M₁ receptor; 5-HT₂ receptor; *Xenopus* oocyte (Kang, T.-H. (444) 36)

[³H]Prazosin binding

α₁-Adrenoceptor subtype; Brain, rat; Imipramine; Electroconvulsive shock; α₁-Adrenoceptor mRNA (Nalepa, I. (444) 151)

5-HT (5-hydroxytryptamine, serotonin)

4-MTA (4-methylthioamphetamine); 4-MTMA (4-methylthiomethamphetamine); MDMA (3,4-methylenedioxymethamphetamine); Reuptake; Synaptosome; Aortic contraction (Murphy, J.E.J. (444) 57)

5-HT₂ receptor

Pteropodine; Isopteropodine; Heteroyohimbine-type oxindole alkaloid; Muscarinic M₁ receptor; *Xenopus* oocyte (Kang, T.-H. (444) 36)

3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor

Pitavastatin; Model of postprandial lipemia; Lymph chylomicron; Microsomal triglyceride transfer protein (Aoki, T. (444) 102)

Hypertension

Cerebral edema; Dihydropyridine Ca^{2+} channel antagonist; Magnetic resonance imaging; Hypertensive encephalopathy; (Rat) (Blezer, E.L.A. (444) 71)

Hypertensive encephalopathy

Cerebral edema; Dihydropyridine Ca^{2+} channel antagonist; Magnetic resonance imaging; Hypertension; (Rat) (Blezer, E.L.A. (444) 71)

Ifenprodil

Acamprosate; Memory, Social; Polyamines (Mikolajczak, P. (444) 78)

Imipramine

α_1 -Adrenoceptor subtype; Brain, rat; [^3H]Prazosin binding; Electroconvulsive shock; α_1 -Adrenoceptor mRNA (Nalepa, I. (444) 151)

Immine oxide

2,2'-Pyridylisatogen; Spin trap; Motoneuron; ATP antagonist; P2Y receptor; Neuroprotection; AMPA receptor (Menton, K. (444) 49)

Inward rectifier current

Risperidone; Action potential; Transient outward current; Delayed rectifier current; Heart, rabbit (Gluais, P. (444) 123)

IP receptor

EP_3 receptor; cAMP; Cell migration (Blindt, R. (444) 29)

Ischemia

Amiodarone; Dronedarone; Thyroid hormone; Heart, isolated, rat (Pantos, C. (444) 191)

Isoterpodine

Pteropodine; Heteroyohimbine-type oxindole alkaloid; Muscarinic M_1 receptor; 5-HT $_2$ receptor; *Xenopus* oocyte (Kang, T.-H. (444) 36)

K $^{+}$ channel

Cl^{-} channel; Ca^{2+} , intracellular; Na^{+} -K $^{+}$ -ATPase; NO; Colon, rat (Schultheiss, G. (444) 19)

K $^{+}$ channel blocker; Antinociception; Dipyrone (Alves, D.P. (444) 43)

Nicotine; Cell migration; Cell proliferation; Ornithine decarboxylase; Wound healing; Nicotine receptor (Shin, V.Y. (444) 109)

K $^{+}$ channel blocker

Antinociception; Dipyrone; K $^{+}$ channel (Alves, D.P. (444) 43)

KF26777 (2-(4-bromophenyl)-7,8-dihydro-4-propyl-1H-imidazo[2,1-*i*]purin-5(4H)-one dihydrochloride)

Adenosine A_3 receptor; Binding assay; Ca^{2+} ; Guanine nucleotide (Saki, M. (444) 133)

Kidney, rat

Adrenomedullin; Vasodilation; Nitric oxide (NO); EDHF (endothelium-derived hyperpolarizing factor) (Wangenstein, R. (444) 92)

Locomotion

Open field; Nucleus accumbens; Schizophrenia; Startle; Ventral tegmental area (Schwienbacher, I. (444) 161)

Lymph chylomicron

Pitavastatin; 3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor; Model of postprandial lipemia; Microsomal triglyceride transfer protein (Aoki, T. (444) 102)

Magnetic resonance imaging

Cerebral edema; Dihydropyridine Ca^{2+} channel antagonist; Hypertension; Hypertensive encephalopathy; (Rat) (Blezer, E.L.A. (444) 71)

MDMA (3,4-methylenedioxymethamphetamine)

4-MTA (4-methylthioamphetamine); 4-MTMA (4-methylthiomethamphetamine); 5-HT (5-hydroxyhyphtamine, serotonin); Reuptake; Synaptosome; Aortic contraction (Murphy, J.E.J. (444) 57)

Memory, Social

Acamprosate; Polyamines; Ifenprodil (Mikolajczak, P. (444) 78)

Mental depression

Clomipramine; Cholinergic-serotonergic interaction; Nicotinic receptor modulation; *Xenopus* oocyte (López-Valdés, H.E. (444) 12)

Mesenteric arterial bed, rat

Cannabinoid; Sympathetic neurotransmission; Sensory nerve; Capsaicin; Methanandamide (Ralevic, V. (444) 171)

Methanandamide

Cannabinoid; Sympathetic neurotransmission; Sensory nerve; Mesenteric arterial bed, rat; Capsaicin (Ralevic, V. (444) 171)

Microdialysis

Ethanol; Taurine; Glutamate; Alcohol sensitivity, high; Alcohol sensitivity, low (Quertemont, E. (444) 143)

Microsomal triglyceride transfer protein

Pitavastatin; 3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor; Model of postprandial lipemia; Lymph chylomicron (Aoki, T. (444) 102)

Milrinone

Penile artery; Penile vein; Rolipram; cAMP pathway (Segarra, G. (444) 98)

Model of postprandial lipemia

Pitavastatin; 3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor; Lymph chylomicron; Microsomal triglyceride transfer protein (Aoki, T. (444) 102)

Motoneuron

2,2'-Pyridylisatogen; Immine oxide; Spin trap; ATP antagonist; P2Y receptor; Neuroprotection; AMPA receptor (Menton, K. (444) 49)

4-MTA (4-methylthioamphetamine)

4-MTMA (4-methylthiomethamphetamine); MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxyhyphtamine, serotonin); Reuptake; Synaptosome; Aortic contraction (Murphy, J.E.J. (444) 57)

4-MTMA (4-methylthiomethamphetamine)

4-MTA (4-methylthioamphetamine); MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxyhyphtamine, serotonin); Reuptake; Synaptosome; Aortic contraction (Murphy, J.E.J. (444) 57)

Muscarinic M_1 receptor

Pteropodine; Isoterpodine; Heteroyohimbine-type oxindole alkaloid; 5-HT $_2$ receptor; *Xenopus* oocyte (Kang, T.-H. (444) 36)

Na⁺–K⁺-ATPase

Cl[–] channel; Ca²⁺, intracellular; K⁺ channel; NO; Colon, rat (Schultheiss, G. (444) 19)

Neuroprotection

2,2'-Pyridylisatogen; Immine oxide; Spin trap; Motoneuron; ATP antagonist; P2Y receptor; AMPA receptor (Menton, K. (444) 49)

Nicotine

Cell migration; Cell proliferation; Ornithine decarboxylase; K⁺ channel; Wound healing; Nicotine receptor (Shin, V.Y. (444) 109)

Nicotine receptor

Nicotine; Cell migration; Cell proliferation; Ornithine decarboxylase; K⁺ channel; Wound healing (Shin, V.Y. (444) 109)

Nicotinic receptor modulation

Clomipramine; Cholinergic–serotonergic interaction; *Xenopus* oocyte; Mental depression (López-Valdés, H.E. (444) 12)

Nitric oxide (NO)

Kidney, rat; Adrenomedullin; Vasodilation; EDHF (endothelium-derived hyperpolarizing factor) (Wangenstein, R. (444) 92)

Ca²⁺ channel; Endothelium; Geissoschizine methyl ether; Aorta, rat; Vasorelaxation (Yuzurihara, M. (444) 183)

NO

Cl[–] channel; Ca²⁺, intracellular; K⁺ channel; Na⁺–K⁺-ATPase; Colon, rat (Schultheiss, G. (444) 19)

Nucleus accumbens

Locomotion; Open field; Schizophrenia; Startle; Ventral tegmental area (Schwienbacher, I. (444) 161)

Omeprazole

Gastric ulcer; Aging; Cimetidine; (Rat) (Ishihara, M. (444) 209)

Open field

Locomotion; Nucleus accumbens; Schizophrenia; Startle; Ventral tegmental area (Schwienbacher, I. (444) 161)

Ornithine decarboxylase

Nicotine; Cell migration; Cell proliferation; K⁺ channel; Wound healing; Nicotine receptor (Shin, V.Y. (444) 109)

Penile artery

Penile vein; Milrinone; Rolipram; cAMP pathway (Segarra, G. (444) 98)

Penile vein

Penile artery; Milrinone; Rolipram; cAMP pathway (Segarra, G. (444) 98)

Pitavastatin

3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor; Model of postprandial lipemia; Lymph chylomicron; Microsomal triglyceride transfer protein (Aoki, T. (444) 102)

Polyamines

Acamprosate; Memory, Social; Ifenprodil (Mikolajczak, P. (444) 78)

Pteropodine

Isoteropodine; Heteroyohimbine-type oxindole alkaloid; Muscarinic M₁ receptor; 5-HT₂ receptor; *Xenopus* oocyte (Kang, T.-H. (444) 36)

P2Y receptor

2,2'-Pyridylisatogen; Immine oxide; Spin trap; Motoneuron; ATP antagonist; Neuroprotection; AMPA receptor (Menton, K. (444) 49)

2,2'-Pyridylisatogen

Immine oxide; Spin trap; Motoneuron; ATP antagonist; P2Y receptor; Neuroprotection; AMPA receptor (Menton, K. (444) 49)

Reactive oxygen species

Hepatocytes; Apoptosis (Sumbayev, V.V. (444) 1)

Reuptake

4-MTA (4-methylthioamphetamine); 4-MTMA (4-methylthioamphetamine); MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxytryptamine, serotonin); Synaptosome; Aortic contraction (Murphy, J.E.J. (444) 57)

Risperidone

Action potential; Transient outward current; Delayed rectifier current; Inward rectifier current; Heart, rabbit (Gluais, P. (444) 123)

Rolipram

Penile artery; Penile vein; Milrinone; cAMP pathway (Segarra, G. (444) 98)

Schizophrenia

Locomotion; Open field; Nucleus accumbens; Startle; Ventral tegmental area (Schwienbacher, I. (444) 161)

Sensory nerve

Cannabinoid; Sympathetic neurotransmission; Mesenteric arterial bed, rat; Capsaicin; Methanandamide (Ralevic, V. (444) 171)

Spin trap

2,2'-Pyridylisatogen; Immine oxide; Motoneuron; ATP antagonist; P2Y receptor; Neuroprotection; AMPA receptor (Menton, K. (444) 49)

Startle

Locomotion; Open field; Nucleus accumbens; Schizophrenia; Ventral tegmental area (Schwienbacher, I. (444) 161)

Sympathetic neurotransmission

Cannabinoid; Sensory nerve; Mesenteric arterial bed, rat; Capsaicin; Methanandamide (Ralevic, V. (444) 171)

Sympathetic tone

Dopamine D1-like receptor; Ganglion; Fenoldopam (Vernejoul, F. (444) 197)

Synaptosome

4-MTA (4-methylthioamphetamine); 4-MTMA (4-methylthioamphetamine); MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxytryptamine, serotonin); Reuptake; Aortic contraction (Murphy, J.E.J. (444) 57)

Taurine

Ethanol; Glutamate; Microdialysis; Alcohol sensitivity, high; Alcohol sensitivity, low (Quertemont, E. (444) 143)

Thyroid hormone

Amiodarone; Dronedarone; Ischemia; Heart, isolated, rat (Pantos, C. (444) 191)

Transient outward current

Risperidone; Action potential; Delayed rectifier current; Inward rectifier current; Heart, rabbit (Gluais, P. (444) 123)

Vasodilation

Kidney, rat; Adrenomedullin; Nitric oxide (NO); EDHF (endothelium-derived hyperpolarizing factor) (Wangenstein, R. (444) 92)

Vasorelaxation

Ca²⁺ channel; Endothelium; Geissoschizine methyl ether; Nitric oxide (NO); Aorta, rat (Yuzurihara, M. (444) 183)

Ventral tegmental area

Locomotion; Open field; Nucleus accumbens; Schizophrenia; Startle (Schwienbacher, I. (444) 161)

Wound healing

Nicotine; Cell migration; Cell proliferation; Ornithine decarboxylase; K⁺ channel; Nicotine receptor (Shin, V.Y. (444) 109)

***Xenopus* oocyte**

Clomipramine; Cholinergic-serotonergic interaction; Nicotinic receptor modulation; Mental depression (López-Valdés, H.E. (444) 12)

Pteropodine; Isopteropodine; Heteroyohimbine-type oxindole alkaloid; Muscarinic M₁ receptor; 5-HT₂ receptor (Kang, T.-H. (444) 36)