

Keyword index

Acetylcholine

7-Transmembrane receptor; G-protein; G-protein coupling pocket; Muscarinic receptor (Hulme, E.C. (375) 247)

Addiction

Dopamine; Reward; Reinforcement; Self-administration; Learning; Incentive motivation (Di Chiara, G. (375) 13)

Adenosine

Adenosine A_{2A} receptor; Receptor interaction; CGRP (calcitonin gene related peptide); VIP (vasoactive intestinal peptide); Glutamate receptor; Dopamine receptor; Nicotinic receptor; Neuroprotection (Ribeiro, J.A. (375) 101)

Adenosine A_{2A} receptor

Adenosine; Receptor interaction; CGRP (calcitonin gene related peptide); VIP (vasoactive intestinal peptide); Glutamate receptor; Dopamine receptor; Nicotinic receptor; Neuroprotection (Ribeiro, J.A. (375) 101)

Adenylyl cyclase

Muscarinic M₂ receptor; Heart human; Chronic heart failure; Negative inotropic effect (Giessler, C. (375) 197)

Adrenaline

Adrenoceptor; Noradrenaline; Mitogenic signaling; Ca²⁺ (Zhong, H. (375) 261)

Adrenoceptor

Noradrenaline; Adrenaline; Mitogenic signaling; Ca²⁺ (Zhong, H. (375) 261)

β-Adrenoceptor stimulation

Muscarinic receptor stimulation; Ca²⁺ transient; Atrial muscle; Ventricular muscle, ferret; Ventricular muscle, mammalian; Direct inhibitory action; Indirect inhibitory action; cAMP; cGMP; Phosphoinositide hydrolysis (Endoh, M. (375) 177)

Aging

Neuropeptide; Melanocortin; Pro-opiomelanocortin (POMC); Neurohypophyseal hormone; Behaviour; Regeneration; Cardiovascular control; Thermoregulation (De Wied, D. (375) 1)

Allopregnanolone

Allotetrahydrodeoxycorticosterone; GABA_A receptor; Pregnancy; Finasteride; Brain, rat (Concas, A. (375) 225)

Allotetrahydrodeoxycorticosterone

Allopregnanolone; GABA_A receptor; Pregnancy; Finasteride; Brain, rat (Concas, A. (375) 225)

cAMP

Muscarinic receptor stimulation; Ca²⁺ transient; Atrial muscle; Ventricular muscle, ferret; Ventricular muscle, mammalian; Direct inhibitory action; Indirect inhibitory action; β-Adrenoceptor stimulation; cGMP; Phosphoinositide hydrolysis (Endoh, M. (375) 177)

Anticonvulsant

GABA (γ-Aminobutyric acid) transporter; GABA uptake inhibitor; THPO (4,5,6,7-tetrahydroisoxazolo[4,5-c]pyridin-3-ol); THAO (5,6,7,8-tetrahydro-4*H*-isoxazolo[4,5-c]azepin-3-ol); DPB (4,4-diphenyl-3-butenyl)-THPO; DPB-THAO; Epilepsy (Bolvig, T. (375) 367)

Antidepressant

Monoamine; NMDA receptor; Brain-derived neurotrophic factor; Neurotrophin (Skolnick, P. (375) 31)

Anxiety

Tachykinin NK₁ receptor; Tachykinin; Neurokinin; Brain; Basal ganglia; Depression; Emesis; Non-peptidic antagonist (Saria, A. (375) 51)

Arrestin

Endocytosis; μ-Opioid receptor; Phosducin; NG 108-15 cell; Green fluorescence protein (Schulz, R. (375) 349)

Aspirin

Inflammation; Immunopharmacology; Gene expression; Transcription factor; Glucocorticoid; Cyclosporin A; Tacrolimus; Salicylate; Recombinant cytokine; Gene therapy (Pfeilschifter, J. (375) 237)

ATP

Capsaicin; P₂ purinoceptor; Sensory neuron; Myenteric plexus (Barthó, L. (375) 203)

Atrial muscle

Muscarinic receptor stimulation; Ca²⁺ transient; Ventricular muscle, ferret; Ventricular muscle, mammalian; Direct inhibitory action; Indirect inhibitory action; β-Adrenoceptor stimulation; cAMP; cGMP; Phosphoinositide hydrolysis (Endoh, M. (375) 177)

Axon

Cerebral ischemia; Oligodendrocyte; Stroke (Dewar, D. (375) 41)

Basal ganglia

Tachykinin NK₁ receptor; Tachykinin; Neurokinin; Brain; Anxiety; Depression; Emesis; Non-peptidic antagonist (Saria, A. (375) 51)

Behaviour

Neuropeptide; Melanocortin; Pro-opiomelanocortin (POMC); Neurohypophyseal hormone; Regeneration; Aging; Cardiovascular control; Thermoregulation (De Wied, D. (375) 1)

Brain

Tachykinin NK₁ receptor; Tachykinin; Neurokinin; Basal ganglia; Anxiety; Depression; Emesis; Non-peptidic antagonist (Saria, A. (375) 51)

Brain-derived neurotrophic factor

Antidepressant; Monoamine; NMDA receptor; Neurotrophin (Skolnick, P. (375) 31)

Brain imaging

Parkinson's disease; Neuroprotection; Oxidative stress; Treatment efficacy (Stoof, J.C. (375) 75)

Brain, rat

Allopregnanolone; Allotetrahydrodeoxycorticosterone; GABA_A receptor; Pregnancy; Finasteride (Concas, A. (375) 225)

Ca²⁺

Adrenoceptor; Noradrenaline; Adrenaline; Mitogenic signaling (Zhong, H. (375) 261)

Ca²⁺/Calmodulin-dependent protein kinase II

Glutamate receptor; Postsynaptic density; Protein kinase; Synaptic plasticity; Diabetes; Methylazoxymethanol (Cattabeni, F. (375) 339)

Ca²⁺ channel

Ion channel; Ca²⁺ channel antagonist; State-dependent interaction; 1,4-Dihydropyridine; Verapamil; Nifedipine; Diltiazem (Triggle, D.J. (375) 311)

Ca²⁺ channel antagonist

Ion channel; Ca²⁺ channel; State-dependent interaction; 1,4-Dihydropyridine; Verapamil; Nifedipine; Diltiazem (Triggle, D.J. (375) 311)

Capsaicin

P₂ purinoceptor; ATP; Sensory neuron; Myenteric plexus (Barthó, L. (375) 203)

Cardiac protection

Nitric oxide (NO) synthase, inducible; Nitric oxide (NO); Peroxynitrite; S-nitrosothiol; Dinitrosyl-iron complex; Septic shock (Stoclet, J.-C. (375) 139)

Cardiovascular control

Neuropeptide; Melanocortin; Pro-opiomelanocortin (POMC); Neurohypophyseal hormone; Behaviour; Regeneration; Aging; Thermoregulation (De Wied, D. (375) 1)

Cardiovascular disease

Vascular endothelium; Nitric oxide (NO) (Bult, H. (375) 157)

Cationic amino acid transporter

Endothelin; Endothelin receptor; Endothelial oxidized low density lipoprotein receptor (Masaki, T. (375) 133)

Ca²⁺ transient

Muscarinic receptor stimulation; Atrial muscle; Ventricular muscle, ferret; Ventricular muscle, mammalian; Direct inhibitory action; Indirect inhibitory action; β -Adrenoceptor stimulation; cAMP; cGMP; Phosphoinositide hydrolysis (Endoh, M. (375) 177)

Cerebral cortex

Opioid; Nonopioid analgesics; Nociception control; Neurochemistry of cortical control (Kharkevich, D.A. (375) 121)

Cerebral ischemia

Axon; Oligodendrocyte; Stroke (Dewar, D. (375) 41)

CGRP (calcitonin gene related peptide)

Adenosine; Adenosine A_{2A} receptor; Receptor interaction; VIP (vasoactive intestinal peptide); Glutamate receptor; Dopamine receptor; Nicotinic receptor; Neuroprotection (Ribeiro, J.A. (375) 101)

Chronic heart failure

Muscarinic M₂ receptor; Heart human; Adenylyl cyclase; Negative inotropic effect (Giessler, C. (375) 197)

Cyclosporin A

Inflammation; Immunopharmacology; Gene expression; Transcription factor; Glucocorticoid; Tacrolimus; Salicylate; Aspirin; Recombinant cytokine; Gene therapy (Pfeilschifter, J. (375) 237)

Depression

Tachykinin NK₁ receptor; Tachykinin; Neurokinin; Brain; Basal ganglia; Anxiety; Emesis; Non-peptidic antagonist (Saria, A. (375) 51)

Diabetes

Glutamate receptor; Postsynaptic density; Protein kinase; Ca²⁺/Calmodulin-dependent protein kinase II; Synaptic plasticity; Methylazoxymethanol (Cattabeni, F. (375) 339)

Diabetic neuropathy

Glucose; Programmed cell death (Greene, D.A. (375) 217)

1,4-Dihydropyridine

Ion channel; Ca²⁺ channel; Ca²⁺ channel antagonist; State-dependent interaction; Verapamil; Nifedipine; Diltiazem (Triggle, D.J. (375) 311)

Diltiazem

Ion channel; Ca²⁺ channel; Ca²⁺ channel antagonist; State-dependent interaction; 1,4-Dihydropyridine; Verapamil; Nifedipine (Triggle, D.J. (375) 311)

Dinitrosyl-iron complex

Nitric oxide (NO) synthase, inducible; Nitric oxide (NO); Peroxynitrite; S-nitrosothiol; Septic shock; Cardiac protection (Stoclet, J.-C. (375) 139)

Direct inhibitory action

Muscarinic receptor stimulation; Ca²⁺ transient; Atrial muscle; Ventricular muscle, ferret; Ventricular muscle, mammalian; Indirect inhibitory action; β -Adrenoceptor stimulation; cAMP; cGMP; Phosphoinositide hydrolysis (Endoh, M. (375) 177)

Dopamine

Addiction; Reward; Reinforcement; Self-administration; Learning; Incentive motivation (Di Chiara, G. (375) 13)

Dopamine receptor

Adenosine; Adenosine A_{2A} receptor; Receptor interaction; CGRP (calcitonin gene related peptide); VIP (vasoactive intestinal peptide); Glutamate receptor; Nicotinic receptor; Neuroprotection (Ribeiro, J.A. (375) 101)

DPB (4,4-diphenyl-3-butenyl)-THPO

GABA (γ -Aminobutyric acid) transporter; GABA uptake inhibitor; THPO (4,5,6,7-tetrahydroisoxazolo[4,5-c]pyridin-3-ol); THAO (5,6,7,8-tetrahydro-4H-isoxazolo[4,5-c]azepin-3-ol); DPB-THAO; Epilepsy; Anticonvulsant (Bolvig, T. (375) 367)

DPB-THAO

GABA (γ -Aminobutyric acid) transporter; GABA uptake inhibitor; THPO (4,5,6,7-tetrahydroisoxazolo[4,5-c]pyridin-3-ol); THAO (5,6,7,8-tetrahydro-4H-isoxazolo[4,5-c]azepin-3-ol); DPB (4,4-diphenyl-3-butenyl)-THPO; Epilepsy; Anticonvulsant (Bolvig, T. (375) 367)

Emesis

Tachykinin NK₁ receptor; Tachykinin; Neurokinin; Brain; Basal ganglia; Anxiety; Depression; Non-peptidic antagonist (Saria, A. (375) 51)

Encephalopathy hepatic

Tryptophan; Quinolinic acid; Kynurenic acid; Kynurenine; NMDA receptor; Oxindole; Ischaemia brain (Moroni, F. (375) 87)

Endocytosis

μ -Opioid receptor; Phosducin; Arrestin; NG 108-15 cell; Green fluorescence protein (Schulz, R. (375) 349)

Endothelial oxidized low density lipoprotein receptor

Endothelin; Endothelin receptor; Cationic amino acid transporter (Masaki, T. (375) 133)

Endothelin

Endothelin receptor; Endothelial oxidized low density lipoprotein receptor; Cationic amino acid transporter (Masaki, T. (375) 133)

Endothelin receptor

Endothelin; Endothelial oxidized low density lipoprotein receptor; Cationic amino acid transporter (Masaki, T. (375) 133)

Epilepsy

GABA (γ -Aminobutyric acid) transporter; GABA uptake inhibitor; THPO (4,5,6,7-tetrahydroisoxazolo[4,5-*c*]pyridin-3-ol); THAO (5,6,7,8-tetrahydro-4*H*-isoxazolo[4,5-*c*]azepin-3-ol); DPB (4,4-diphenyl-3-butenyl)-THPO; DPB-THAO; Anticonvulsant (Bolvig, T. (375) 367)

Finasteride

Allopregnanolone; Allotetrahydrodeoxycorticosterone; GABA_A receptor; Pregnancy; Brain, rat (Concas, A. (375) 225)

Focal cerebral ischemia

Photochemical thrombosis; Memantine; Neonatal, rat (Stieg, P.E. (375) 115)

Function

Melanocortin receptor; Localization; Structure; Selective drug (Wikberg, J.E.S. (375) 295)

GABA (γ -Aminobutyric acid) transporter

GABA uptake inhibitor; THPO (4,5,6,7-tetrahydroisoxazolo[4,5-*c*]pyridin-3-ol); THAO (5,6,7,8-tetrahydro-4*H*-isoxazolo[4,5-*c*]azepin-3-ol); DPB (4,4-diphenyl-3-butenyl)-THPO; DPB-THAO; Epilepsy; Anticonvulsant (Bolvig, T. (375) 367)

GABA_A receptor

Allopregnanolone; Allotetrahydrodeoxycorticosterone; Pregnancy; Finasteride; Brain, rat (Concas, A. (375) 225)

GABA uptake inhibitor

GABA (γ -Aminobutyric acid) transporter; THPO (4,5,6,7-tetrahydroisoxazolo[4,5-*c*]pyridin-3-ol); THAO (5,6,7,8-tetrahydro-4*H*-isoxazolo[4,5-*c*]azepin-3-ol); DPB (4,4-diphenyl-3-butenyl)-THPO; DPB-THAO; Epilepsy; Anticonvulsant (Bolvig, T. (375) 367)

Gastrointestinal tract

Nitric oxide (NO) endothelial; Vascular permeability; Surgery; Plasma loss; Microcirculation (László, F. (375) 211)

Gene expression

Inflammation; Immunopharmacology; Transcription factor; Glucocorticoid; Cyclosporin A; Tacrolimus; Salicylate; Aspirin; Recombinant cytokine; Gene therapy (Pfeilschifter, J. (375) 237)

Gene knockout

Transgenic; Gene targeting; Mutagenesis; Tetracycline; Inducible gene expression (Rudolph, U. (375) 327)

Gene targeting

Transgenic; Gene knockout; Mutagenesis; Tetracycline; Inducible gene expression (Rudolph, U. (375) 327)

Gene therapy

Inflammation; Immunopharmacology; Gene expression; Transcription factor; Glucocorticoid; Cyclosporin A; Tacrolimus; Salicylate; Aspirin; Recombinant cytokine (Pfeilschifter, J. (375) 237)

Glucocorticoid

Inflammation; Immunopharmacology; Gene expression; Transcription factor; Cyclosporin A; Tacrolimus; Salicylate; Aspirin; Recombinant cytokine; Gene therapy (Pfeilschifter, J. (375) 237)

Glucose

Diabetic neuropathy; Programmed cell death (Greene, D.A. (375) 217)

Glutamate receptor

Adenosine; Adenosine A_{2A} receptor; Receptor interaction; CGRP (calcitonin gene related peptide); VIP (vasoactive intestinal peptide); Dopamine receptor; Nicotinic receptor; Neuroprotection (Ribeiro, J.A. (375) 101)

Postsynaptic density; Protein kinase; Ca²⁺/Calmodulin-dependent protein kinase II; Synaptic plasticity; Diabetes; Methylazoxymethanol (Cattabeni, F. (375) 339)

cGMP

Muscarinic receptor stimulation; Ca²⁺ transient; Atrial muscle; Ventricular muscle, ferret; Ventricular muscle, mammalian; Direct inhibitory action; Indirect inhibitory action; β -Adrenoceptor stimulation; cAMP; Phosphoinositide hydrolysis (Endoh, M. (375) 177)

G-protein

7-Transmembrane receptor; G-protein coupling pocket; Muscarinic receptor; Acetylcholine (Hulme, E.C. (375) 247)

G-protein coupling domain

Metabotropic glutamate receptor ligand; Receptor activation; Regulating site; Molecular modeling; Neuroactive molecule (Pin, J.-P. (375) 277)

G-protein coupling pocket

7-Transmembrane receptor; G-protein; Muscarinic receptor; Acetylcholine (Hulme, E.C. (375) 247)

Green fluorescence protein

Endocytosis; μ -Opioid receptor; Phosducin; Arrestin; NG 108-15 cell (Schulz, R. (375) 349)

Heart human

Muscarinic M₂ receptor; Chronic heart failure; Adenylyl cyclase; Negative inotropic effect (Giessler, C. (375) 197)

5-HT_{1B} autoreceptor

5-HT (5-hydroxytryptamine, serotonin); SB-236057; 5-HT release; Human (Middlemiss, D.N. (375) 359)

5-HT (5-hydroxytryptamine, serotonin)

SB-236057; 5-HT_{1B} autoreceptor; 5-HT release; Human (Middlemiss, D.N. (375) 359)

5-HT receptor

5-Hydroxytryptamine; Migraine; Migraine model; Serotonin; Sumatriptan; Triptan (De Vries, P. (375) 61)

5-HT release

5-HT (5-hydroxytryptamine, serotonin); SB-236057; 5-HT_{1B} autoreceptor; Human (Middlemiss, D.N. (375) 359)

Human

5-HT (5-hydroxytryptamine, serotonin); SB-236057; 5-HT_{1B} autoreceptor; 5-HT release (Middlemiss, D.N. (375) 359)

5-Hydroxytryptamine

5-HT receptor; Migraine; Migraine model; Serotonin; Sumatriptan; Triptan (De Vries, P. (375) 61)

Immunopharmacology

Inflammation; Gene expression; Transcription factor; Glucocorticoid; Cyclosporin A; Tacrolimus; Salicylate; Aspirin; Recombinant cytokine; Gene therapy (Pfeilschifter, J. (375) 237)

Incentive motivation

Dopamine; Addiction; Reward; Reinforcement; Self-administration; Learning (Di Chiara, G. (375) 13)

Indirect inhibitory action

Muscarinic receptor stimulation; Ca^{2+} transient; Atrial muscle; Ventricular muscle, ferret; Ventricular muscle, mammalian; Direct inhibitory action; β -Adrenoceptor stimulation; cAMP; cGMP; Phosphoinositide hydrolysis (Endoh, M. (375) 177)

Inducible gene expression

Transgenic; Gene targeting; Gene knockout; Mutagenesis; Tetracycline (Rudolph, U. (375) 327)

Inflammation

Immunopharmacology; Gene expression; Transcription factor; Glucocorticoid; Cyclosporin A; Tacrolimus; Salicylate; Aspirin; Recombinant cytokine; Gene therapy (Pfeilschifter, J. (375) 237)

Ion channel

Ca^{2+} channel; Ca^{2+} channel antagonist; State-dependent interaction; 1,4-Dihydropyridine; Verapamil; Nifedipine; Diltiazem (Triggle, D.J. (375) 311)

Ischaemia brain

Tryptophan; Quinolinic acid; Kynurenic acid; Kynurenine; NMDA receptor; Oxindole; Encephalopathy hepatic (Moroni, F. (375) 87)

Kynurenic acid

Tryptophan; Quinolinic acid; Kynurenine; NMDA receptor; Oxindole; Ischaemia brain; Encephalopathy hepatic (Moroni, F. (375) 87)

Kynurenine

Tryptophan; Quinolinic acid; Kynurenic acid; NMDA receptor; Oxindole; Ischaemia brain; Encephalopathy hepatic (Moroni, F. (375) 87)

Learning

Dopamine; Addiction; Reward; Reinforcement; Self-administration; Incentive motivation (Di Chiara, G. (375) 13)

Localization

Melanocortin receptor; Function; Structure; Selective drug (Wikberg, J.E.S. (375) 295)

Melanocortin

Neuropeptide; Pro-opiomelanocortin (POMC); Neurohypophyseal hormone; Behaviour; Regeneration; Aging; Cardiovascular control; Thermoregulation (De Wied, D. (375) 1)

Melanocortin receptor

Localization; Function; Structure; Selective drug (Wikberg, J.E.S. (375) 295)

Memantine

Photochemical thrombosis; Focal cerebral ischemia; Neonatal, rat (Stieg, P.E. (375) 115)

Metabotropic glutamate receptor ligand

G-protein coupling domain; Receptor activation; Regulating site; Molecular modeling; Neuroactive molecule (Pin, J.-P. (375) 277)

Methylazoxymethanol

Glutamate receptor; Postsynaptic density; Protein kinase; Ca^{2+} /Calmodulin-dependent protein kinase II; Synaptic plasticity; Diabetes (Cattabeni, F. (375) 339)

Microcirculation

Nitric oxide (NO) endothelial; Vascular permeability; Gastrointestinal tract; Surgery; Plasma loss (László, F. (375) 211)

Migraine

5-Hydroxytryptamine; 5-HT receptor; Migraine model; Serotonin; Sumatriptan; Triptan (De Vries, P. (375) 61)

Migraine model

5-Hydroxytryptamine; 5-HT receptor; Migraine; Serotonin; Sumatriptan; Triptan (De Vries, P. (375) 61)

Mitogenic signaling

Adrenoceptor; Noradrenaline; Adrenaline; Ca^{2+} (Zhong, H. (375) 261)

Molecular modeling

Metabotropic glutamate receptor ligand; G-protein coupling domain; Receptor activation; Regulating site; Neuroactive molecule (Pin, J.-P. (375) 277)

Monoamine

Antidepressant; NMDA receptor; Brain-derived neurotrophic factor; Neurotrophin (Skolnick, P. (375) 31)

Muscarinic M_2 receptor

Heart human; Chronic heart failure; Adenylyl cyclase; Negative inotropic effect (Giessler, C. (375) 197)

Muscarinic receptor

7-Transmembrane receptor; G-protein; G-protein coupling pocket; Acetylcholine (Hulme, E.C. (375) 247)

Muscarinic receptor stimulation

Ca^{2+} transient; Atrial muscle; Ventricular muscle, ferret; Ventricular muscle, mammalian; Direct inhibitory action; Indirect inhibitory action; β -Adrenoceptor stimulation; cAMP; cGMP; Phosphoinositide hydrolysis (Endoh, M. (375) 177)

Mutagenesis

Transgenic; Gene targeting; Gene knockout; Tetracycline; Inducible gene expression (Rudolph, U. (375) 327)

Myenteric plexus

Capsaicin; P_2 purinoceptor; ATP; Sensory neuron (Barthó, L. (375) 203)

Negative inotropic effect

Muscarinic M_2 receptor; Heart human; Chronic heart failure; Adenylyl cyclase (Giessler, C. (375) 197)

Neonatal, rat

Photochemical thrombosis; Focal cerebral ischemia; Memantine (Stieg, P.E. (375) 115)

Neuroactive molecule

Metabotropic glutamate receptor ligand; G-protein coupling domain; Receptor activation; Regulating site; Molecular modeling (Pin, J.-P. (375) 277)

Neurochemistry of cortical control

Opioid; Nonopioid analgesics; Cerebral cortex; Nociception control (Kharkevich, D.A. (375) 121)

Neurohypophyseal hormone

Neuropeptide; Melanocortin; Pro-opiomelanocortin (POMC); Behaviour; Regeneration; Aging; Cardiovascular control; Thermoregulation (De Wied, D. (375) 1)

Neurokinin

Tachykinin NK₁ receptor; Tachykinin; Brain; Basal ganglia; Anxiety; Depression; Emesis; Non-peptidic antagonist (Saria, A. (375) 51)

Neuropeptide

Melanocortin; Pro-opiomelanocortin (POMC); Neurohypophyseal hormone; Behaviour; Regeneration; Aging; Cardiovascular control; Thermoregulation (De Wied, D. (375) 1)

Neuroprotection

Parkinson's disease; Brain imaging; Oxidative stress; Treatment efficacy (Stoof, J.C. (375) 75)

Adenosine; Adenosine A_{2A} receptor; Receptor interaction; CGRP (calcitonin gene related peptide); VIP (vasoactive intestinal peptide); Glutamate receptor; Dopamine receptor; Nicotinic receptor (Ribeiro, J.A. (375) 101)

Neurotrophin

Antidepressant; Monoamine; NMDA receptor; Brain-derived neurotrophic factor (Skolnick, P. (375) 31)

NG 108-15 cell

Endocytosis; μ -Opioid receptor; Phosducin; Arrestin; Green fluorescence protein (Schulz, R. (375) 349)

Nicotinic receptor

Adenosine; Adenosine A_{2A} receptor; Receptor interaction; CGRP (calcitonin gene related peptide); VIP (vasoactive intestinal peptide); Glutamate receptor; Dopamine receptor; Neuroprotection (Ribeiro, J.A. (375) 101)

Nifedipine

Ion channel; Ca²⁺ channel; Ca²⁺ channel antagonist; State-dependent interaction; 1,4-Dihydropyridine; Verapamil; Diltiazem (Triggle, D.J. (375) 311)

Nitric oxide (NO)

Nitric oxide (NO) synthase, inducible; Peroxynitrite; S-nitrosothiol; Dinitrosyl-iron complex; Septic shock; Cardiac protection (Stoclet, J.-C. (375) 139)

Vascular endothelium; Cardiovascular disease (Bult, H. (375) 157)

Nitric oxide (NO) endothelial

Vascular permeability; Gastrointestinal tract; Surgery; Plasma loss; Microcirculation (László, F. (375) 211)

Nitric oxide (NO) synthase, inducible

Nitric oxide (NO); Peroxynitrite; S-nitrosothiol; Dinitrosyl-iron complex; Septic shock; Cardiac protection (Stoclet, J.-C. (375) 139)

NMDA receptor

Antidepressant; Monoamine; Brain-derived neurotrophic factor; Neurotrophin (Skolnick, P. (375) 31)

Tryptophan; Quinolinic acid; Kynurenic acid; Kynurenine; Oxindole; Ischaemia brain; Encephalopathy hepatic (Moroni, F. (375) 87)

Nociception control

Opioid; Nonopioid analgesics; Cerebral cortex; Neurochemistry of cortical control (Kharkevich, D.A. (375) 121)

Nonopioid analgesics

Opioid; Cerebral cortex; Nociception control; Neurochemistry of cortical control (Kharkevich, D.A. (375) 121)

Non-peptidic antagonist

Tachykinin NK₁ receptor; Tachykinin; Neurokinin; Brain; Basal ganglia; Anxiety; Depression; Emesis (Saria, A. (375) 51)

Noradrenaline

Adrenoceptor; Adrenaline; Mitogenic signaling; Ca²⁺ (Zhong, H. (375) 261)

Oligodendrocyte

Cerebral ischemia; Axon; Stroke (Dewar, D. (375) 41)

Opioid

Nonopioid analgesics; Cerebral cortex; Nociception control; Neurochemistry of cortical control (Kharkevich, D.A. (375) 121)

 μ -Opioid receptor

Endocytosis; Phosducin; Arrestin; NG 108-15 cell; Green fluorescence protein (Schulz, R. (375) 349)

Oxidative stress

Parkinson's disease; Brain imaging; Neuroprotection; Treatment efficacy (Stoof, J.C. (375) 75)

Oxindole

Tryptophan; Quinolinic acid; Kynurenic acid; Kynurenine; NMDA receptor; Ischaemia brain; Encephalopathy hepatic (Moroni, F. (375) 87)

Parkinson's disease

Brain imaging; Neuroprotection; Oxidative stress; Treatment efficacy (Stoof, J.C. (375) 75)

Peroxynitrite

Nitric oxide (NO) synthase, inducible; Nitric oxide (NO); S-nitrosothiol; Dinitrosyl-iron complex; Septic shock; Cardiac protection (Stoclet, J.-C. (375) 139)

Phosducin

Endocytosis; μ -Opioid receptor; Arrestin; NG 108-15 cell; Green fluorescence protein (Schulz, R. (375) 349)

Phosphoinositide hydrolysis

Muscarinic receptor stimulation; Ca²⁺ transient; Atrial muscle; Ventricular muscle, ferret; Ventricular muscle, mammalian; Direct inhibitory action; Indirect inhibitory action; β -Adrenoceptor stimulation; cAMP; cGMP (Endoh, M. (375) 177)

Photochemical thrombosis

Focal cerebral ischemia; Memantine; Neonatal, rat (Stieg, P.E. (375) 115)

Plasma loss

Nitric oxide (NO) endothelial; Vascular permeability; Gastrointestinal tract; Surgery; Microcirculation (László, F. (375) 211)

Postsynaptic density

Glutamate receptor; Protein kinase; Ca²⁺/Calmodulin-dependent protein kinase II; Synaptic plasticity; Diabetes; Methylazoxymethanol (Cattabeni, F. (375) 339)

P₂ purinoceptor

Capsaicin; ATP; Sensory neuron; Myenteric plexus (Barthó, L. (375) 203)

Pregnancy

Allopregnanolone; Allotetrahydrodeoxycorticosterone; GABA_A receptor; Finasteride; Brain, rat (Concas, A. (375) 225)

Programmed cell death

Glucose; Diabetic neuropathy (Greene, D.A. (375) 217)

Pro-opiomelanocortin (POMC)

Neuropeptide; Melanocortin; Neurohypophyseal hormone; Behaviour; Regeneration; Aging; Cardiovascular control; Thermoregulation (De Wied, D. (375) 1)

Protein kinase

Glutamate receptor; Postsynaptic density; Ca^{2+} /Calmodulin-dependent protein kinase II; Synaptic plasticity; Diabetes; Methylazoxymethanol (Cattabeni, F. (375) 339)

Quinolinic acid

Tryptophan; Kynurenic acid; Kynurenine; NMDA receptor; Oxindole; Ischaemia brain; Encephalopathy hepatic (Moroni, F. (375) 87)

Receptor activation

Metabotropic glutamate receptor ligand; G-protein coupling domain; Regulating site; Molecular modeling; Neuroactive molecule (Pin, J.-P. (375) 277)

Receptor interaction

Adenosine; Adenosine $\text{A}_{2\text{A}}$ receptor; CGRP (calcitonin gene related peptide); VIP (vasoactive intestinal peptide); Glutamate receptor; Dopamine receptor; Nicotinic receptor; Neuroprotection (Ribeiro, J.A. (375) 101)

Recombinant cytokine

Inflammation; Immunopharmacology; Gene expression; Transcription factor; Glucocorticoid; Cyclosporin A; Tacrolimus; Salicylate; Aspirin; Gene therapy (Pfeilschifter, J. (375) 237)

Regeneration

Neuropeptide; Melanocortin; Pro-opiomelanocortin (POMC); Neurohypophyseal hormone; Behaviour; Aging; Cardiovascular control; Thermoregulation (De Wied, D. (375) 1)

Regulating site

Metabotropic glutamate receptor ligand; G-protein coupling domain; Receptor activation; Molecular modeling; Neuroactive molecule (Pin, J.-P. (375) 277)

Reinforcement

Dopamine; Addiction; Reward; Self-administration; Learning; Incentive motivation (Di Chiara, G. (375) 13)

Reward

Dopamine; Addiction; Reinforcement; Self-administration; Learning; Incentive motivation (Di Chiara, G. (375) 13)

Salicylate

Inflammation; Immunopharmacology; Gene expression; Transcription factor; Glucocorticoid; Cyclosporin A; Tacrolimus; Aspirin; Recombinant cytokine; Gene therapy (Pfeilschifter, J. (375) 237)

SB-236057

5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1B} autoreceptor; 5-HT release; Human (Middlemiss, D.N. (375) 359)

Selective drug

Melanocortin receptor; Localization; Function; Structure (Wikberg, J.E.S. (375) 295)

Self-administration

Dopamine; Addiction; Reward; Reinforcement; Learning; Incentive motivation (Di Chiara, G. (375) 13)

Sensory neuron

Capsaicin; P_2 purinoceptor; ATP; Myenteric plexus (Barthó, L. (375) 203)

Septic shock

Nitric oxide (NO) synthase, inducible; Nitric oxide (NO); Peroxynitrite; S-nitrosothiol; Dinitrosyl-iron complex; Cardiac protection (Stoclet, J.-C. (375) 139)

Serotonin

5-Hydroxytryptamine; 5-HT receptor; Migraine; Migraine model; Sumatriptan; Triptan (De Vries, P. (375) 61)

S-nitrosothiol

Nitric oxide (NO) synthase, inducible; Nitric oxide (NO); Peroxynitrite; Dinitrosyl-iron complex; Septic shock; Cardiac protection (Stoclet, J.-C. (375) 139)

State-dependent interaction

Ion channel; Ca^{2+} channel; Ca^{2+} channel antagonist; 1,4-Dihydropyridine; Verapamil; Nifedipine; Diltiazem (Triggle, D.J. (375) 311)

Stroke

Cerebral ischemia; Axon; Oligodendrocyte (Dewar, D. (375) 41)

Structure

Melanocortin receptor; Localization; Function; Selective drug (Wikberg, J.E.S. (375) 295)

Sumatriptan

5-Hydroxytryptamine; 5-HT receptor; Migraine; Migraine model; Serotonin; Triptan (De Vries, P. (375) 61)

Surgery

Nitric oxide (NO) endothelial; Vascular permeability; Gastrointestinal tract; Plasma loss; Microcirculation (László, F. (375) 211)

Synaptic plasticity

Glutamate receptor; Postsynaptic density; Protein kinase; Ca^{2+} /Calmodulin-dependent protein kinase II; Diabetes; Methylazoxymethanol (Cattabeni, F. (375) 339)

Tachykinin

Tachykinin NK₁ receptor; Neurokinin; Brain; Basal ganglia; Anxiety; Depression; Emesis; Non-peptidic antagonist (Saria, A. (375) 51)

Tachykinin NK₁ receptor

Tachykinin; Neurokinin; Brain; Basal ganglia; Anxiety; Depression; Emesis; Non-peptidic antagonist (Saria, A. (375) 51)

Tacrolimus

Inflammation; Immunopharmacology; Gene expression; Transcription factor; Glucocorticoid; Cyclosporin A; Salicylate; Aspirin; Recombinant cytokine; Gene therapy (Pfeilschifter, J. (375) 237)

Tetracycline

Transgenic; Gene targeting; Gene knockout; Mutagenesis; Inducible gene expression (Rudolph, U. (375) 327)

THAO (5,6,7,8-tetrahydro-4H-isoxazolo[4,5-c]azepin-3-ol)

GABA (γ -Aminobutyric acid) transporter; GABA uptake inhibitor; THPO (4,5,6,7-tetrahydroisoxazolo[4,5-c]pyridin-3-ol); DPB (4,4-diphenyl-3-butenyl)-THPO; DPB-THAO; Epilepsy; Anticonvulsant (Bolvig, T. (375) 367)

Thermoregulation

Neuropeptide; Melanocortin; Pro-opiomelanocortin (POMC); Neurohypophyseal hormone; Behaviour; Regeneration; Aging; Cardiovascular control (De Wied, D. (375) 1)

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Transcription factor

Inflammation; Immunopharmacology; Gene expression; Glucocorticoid; Cyclosporin A; Tacrolimus; Salicylate; Aspirin; Recombinant cytokine; Gene therapy (Pfeilschifter, J. (375) 237)

Transgenic

Gene targeting; Gene knockout; Mutagenesis; Tetracycline; Inducible gene expression (Rudolph, U. (375) 327)

7-Transmembrane receptor

G-protein; G-protein coupling pocket; Muscarinic receptor; Acetylcholine (Hulme, E.C. (375) 247)

Treatment efficacy

Parkinson's disease; Brain imaging; Neuroprotection; Oxidative stress (Stoof, J.C. (375) 75)

Triptan

5-Hydroxytryptamine; 5-HT receptor; Migraine; Migraine model; Serotonin; Sumatriptan (De Vries, P. (375) 61)

Tryptophan

Quinolinic acid; Kynurenic acid; Kynurenine; NMDA receptor; Oxindole; Ischaemia brain; Encephalopathy hepatic (Moroni, F. (375) 87)

Vascular endothelium

Cardiovascular disease; Nitric oxide (NO) (Bult, H. (375) 157)

Vascular permeability

Nitric oxide (NO) endothelial; Gastrointestinal tract; Surgery; Plasma loss; Microcirculation (László, F. (375) 211)

Ventricular muscle, ferret

Muscarinic receptor stimulation; Ca^{2+} transient; Atrial muscle; Ventricular muscle, mammalian; Direct inhibitory action; Indirect inhibitory action; β -Adrenoceptor stimulation; cAMP; cGMP; Phosphoinositide hydrolysis (Endoh, M. (375) 177)

Ventricular muscle, mammalian

Muscarinic receptor stimulation; Ca^{2+} transient; Atrial muscle; Ventricular muscle, ferret; Direct inhibitory action; Indirect inhibitory action; β -Adrenoceptor stimulation; cAMP; cGMP; Phosphoinositide hydrolysis (Endoh, M. (375) 177)

Verapamil

Ion channel; Ca^{2+} channel; Ca^{2+} channel antagonist; State-dependent interaction; 1,4-Dihydropyridine; Nifedipine; Diltiazem (Triggle, D.J. (375) 311)

VIP (vasoactive intestinal peptide)

Adenosine; Adenosine $\text{A}_{2\text{A}}$ receptor; Receptor interaction; CGRP (calcitonin gene related peptide); Glutamate receptor; Dopamine receptor; Nicotinic receptor; Neuroprotection (Ribeiro, J.A. (375) 101)