

Keyword index

$\alpha_3\beta_4$ nicotinic acetylcholine receptor

Dextromethorphan; Dextromethorphan analog; *Xenopus* oocyte (Lee, J.-H. (536) 85)

Adamantane derivative

σ_1 receptors; Retina; Neuroprotection; Ischemia (Bucolo, C. (536) 200)

Adenosine A_{2B} receptor

T24 cell line; cAMP; 5'-N-Ethylcarboxamidoadenosine; Reverse transcriptase-polymerase chain reaction; Fluorometric imaging plate reader (Phelps, P.T. (536) 28)

Adenylyl cyclase

Artery; β -NAD; Neurotransmitter release; Protein kinase A (Bobalova, J. (536) 128)

Adjuvant-induced

TNF (tumor necrosis factor); PEG-sTNFRI (polyethylene glycol linked to soluble TNF receptor p55); GH (growth hormone); IGF-I (insulin-like growth factor-I); Arthritis (Granado, M. (536) 204)

Adrenal chromaffin cell

Maitotoxin; Ca^{2+} channel; Brainstem cell; Ca^{2+} influx; Catecholamine release (Kakizaki, A. (536) 223)

Amino acid

Flurothyl; GABA-benzodiazepine receptor; (Mongolian gerbil) (Hashimoto, Y. (536) 241)

Amiodarone

Atrial fibrillation; Electrical remodeling; Structural remodeling; Matrix metalloproteinase (Ashikaga, K. (536) 148)

Angiogenesis

Ghrelin; Ischemia–reperfusion; Nitric oxide; Calcitonin gene related peptide; Gastric blood flow; Hypoxia inducible factor-1 α (Konturek, P.C. (536) 171)

Antagonist

5-HT_{1A} receptor; 5-HT_{1B} receptor; 5-HT re-uptake; Autoreceptor (Scott, C. (536) 54)

Antiepileptic

Levetiracetam; Binding; Human brain; SV2A (Gillard, M. (536) 102)

Aorta

Nifedipine; Hypoxia; Noradrenaline; Phenylephrine (Broadley, K.J. (536) 279)

Apoptosis

Secretory phospholipase A₂; Caspase; Poly (ADP-ribose) polymerase; TNF- α ; Cytochrome c (Lee, C. (536) 47)

Indapamide; Pituitary cell; Voltage-dependent K⁺ current (Dong, D.-L. (536) 78)

Artery

β -NAD; Adenylyl cyclase; Neurotransmitter release; Protein kinase A (Bobalova, J. (536) 128)

Arthritis

TNF (tumor necrosis factor); PEG-sTNFRI (polyethylene glycol linked to soluble TNF receptor p55); GH (growth hormone); IGF-I (insulin-like growth factor-I); Adjuvant-induced (Granado, M. (536) 204)

Thalidomide; Tumor necrosis factor; Hyperalgesia; Zymosan (Vale, M.L. (536) 309)

ATP

Purinergic receptor; Intestine; Enteric nervous system; Secretion (Fang, X. (536) 113)

ATP-binding cassette transporter A1

Reverse cholesterol transport; Liver X receptor agonist; Cellular cholesterol efflux (Johnston, T.P. (536) 232)

Atrial fibrillation

Electrical remodeling; Structural remodeling; Amiodarone; Matrix metalloproteinase (Ashikaga, K. (536) 148)

Autoreceptor

5-HT_{1A} receptor; 5-HT_{1B} receptor; Antagonist; 5-HT re-uptake (Scott, C. (536) 54)

Baicalein

Hemin; Baicalin; Wogonin; Liver injury; HepG2 cell (Zhao, Y. (536) 192)

Baicalin

Hemin; Baicalein; Wogonin; Liver injury; HepG2 cell (Zhao, Y. (536) 192)

Behavior

Cocaine; Tachykinin NK₃ receptor; SR 142801; Marmoset; Sensitivity (De Souza Silva, M.A. (536) 269)

Bezafibrate

Methionine-choline-deficient diet; NASH; PPAR; GW501516; (Mouse) (Nagasawa, T. (536) 182)

Binding

Levetiracetam; Antiepileptic; Human brain; SV2A (Gillard, M. (536) 102)

β -NAD

Artery; Adenylyl cyclase; Neurotransmitter release; Protein kinase A (Bobalova, J. (536) 128)

Brainstem cell

Maitotoxin; Ca^{2+} channel; Ca^{2+} influx; Catecholamine release; Adrenal chromaffin cell (Kakizaki, A. (536) 223)

 Ca^{2+} channel

Insulin; Corpus cavernosum; Relaxation; Prostacyclin (Myung, S.C. (536) 142)

Maitotoxin; Brainstem cell; Ca^{2+} influx; Catecholamine release; Adrenal chromaffin cell (Kakizaki, A. (536) 223)

 Ca^{2+} influx

Maitotoxin; Ca^{2+} channel; Brainstem cell; Catecholamine release; Adrenal chromaffin cell (Kakizaki, A. (536) 223)

Calcitonin gene related peptide

Ghrelin; Ischemia–reperfusion; Nitric oxide; Gastric blood flow; Angiogenesis; Hypoxia inducible factor-1 alpha (Konturek, P.C. (536) 171)

Calcium

Norepinephrine; Transporter; Membrane traffic (Amano, T. (536) 62)

cAMP

T24 cell line; Adenosine $\text{A}_{2\text{B}}$ receptor; 5'-*N*-Ethylcarboxamidoadenosine; Reverse transcriptase-polymerase chain reaction; Fluorometric imaging plate reader (Phelps, P.T. (536) 28)

Caspase

Secretory phospholipase A_2 ; Apoptosis; Poly (ADP-ribose) polymerase; TNF- α ; Cytochrome c (Lee, C. (536) 47)

Catecholamine release

Maitotoxin; Ca^{2+} channel; Brainstem cell; Ca^{2+} influx; Adrenal chromaffin cell (Kakizaki, A. (536) 223)

Cellular cholesterol efflux

Reverse cholesterol transport; Liver X receptor agonist; ATP-binding cassette transporter A1 (Johnston, T.P. (536) 232)

Chronic rejection

Pirfenidone; Transplantation (Dosanjh, A. (536) 219)

Cocaine

Tachykinin NK_3 receptor; SR 142801; Marmoset; Behavior; Sensitivity (De Souza Silva, M.A. (536) 269)

Corpus cavernosum

Insulin; Relaxation; Prostacyclin; Ca^{2+} channel (Myung, S.C. (536) 142)

COX-2 (cyclooxygenase-2)

iNOS (inducible nitric oxide synthase); eNOS (endothelial nitric oxide synthase); *N*-(3-(aminomethyl)benzyl)acetamide (1400W); L-NAME (*N*^G-nitro-L-arginine methyl ester); NF- κ B (nuclear transcription factor κ B) (Guo, J.S. (536) 301)

Curcumin

Diabetic neuropathic pain; Hyperalgesia; Nitric oxide; TNF- α ; Streptozotocin (Sharma, S. (536) 256)

Cyclic-AMP responsive element-binding protein

Metabotropic glutamate receptor subtype 5; Extracellular signal-regulated protein kinase; *N*-methyl D-aspartate receptor; *N*-{4-chloro-2-[(1,3-dioxo-1,3-dihydro-2H-isoindol-2-yl)-methyl]phenyl}-2-hydrobenzamide (Liu, F. (536) 262)

Cyclooxygenase-inhibitor

Mesenteric traction; Prostaglandin; Hemodynamics; Oxygenation (Bucher, M. (536) 296)

Cytochrome c

Secretory phospholipase A_2 ; Apoptosis; Caspase; Poly (ADP-ribose) polymerase; TNF- α (Lee, C. (536) 47)

Cytochrome P450 3A (CYP3A)

Lipopolysaccharide (LPS); Pregnanolone X receptor; Retinoid X receptor; Erythromycin *N*-demethylase (ERND); Intestine (Xu, D.-X. (536) 162)

Cytoskeleton

Protease-activated receptor2 (PAR2); Lung epithelial cell; Neutrophil adhesion; Rho (Yagi, Y. (536) 19)

Delta opioid

SNC-80; Nitric oxide; Hypothermia; L-NAME (Rawls, S.M. (536) 109)

Dexamethasone

Otitis media with effusion; Fluid absorption; Middle ear; Na^+/H^+ exchanger (Choi, J.Y. (536) 12)

Leomycin; Inflammation; Pulmonary fibrosis (Chen, F. (536) 287)

Dextromethorphan

Dextromethorphan analog; $\alpha_3\beta_4$ nicotinic acetylcholine receptor; *Xenopus* oocyte (Lee, J.-H. (536) 85)

Dextromethorphan analog

Dextromethorphan; $\alpha_3\beta_4$ nicotinic acetylcholine receptor; *Xenopus* oocyte (Lee, J.-H. (536) 85)

Diabetes mellitus

Metformin; Osteoblast; Osteoporosis (Cortizo, A.M. (536) 38)

Diabetic neuropathic pain

Hyperalgesia; Curcumin; Nitric oxide; TNF- α ; Streptozotocin (Sharma, S. (536) 256)

Dopamine release

Nicotinic acetylcholine receptor; Noradrenaline release; [³H]epibatidine binding; [³H]methyllycaconitine binding; *Xenopus* oocyte (Abin-Carriquiry, J.A. (536) 1)

Dorsal root ganglion

Neuropathic pain; Sodium channel; Substance P; Nerve injury (Akada, Y. (536) 248)

Electrical remodeling

Atrial fibrillation; Structural remodeling; Amiodarone; Matrix metalloproteinase (Ashikaga, K. (536) 148)

Endonuclease-prepared small interference

Multidrug resistance; *MDR1*; RNA (esiRNA); Low concentration of esiRNA (Li, L. (536) 93)

eNOS (endothelial nitric oxide synthase)

iNOS (inducible nitric oxide synthase); COX-2 (cyclooxygenase-2); *N*-(3-(aminomethyl)benzyl)acetamide (1400W); L-NAME (*N*^G-nitro-L-arginine methyl ester); NF- κ B (nuclear transcription factor κ B) (Guo, J.S. (536) 301)

Enteric nervous system

Purinergic receptor; ATP; Intestine; Secretion (Fang, X. (536) 113)

[³H]epibatidine binding

Nicotinic acetylcholine receptor; Dopamine release; Noradrenaline release; [³H]methyllycaconitine binding; *Xenopus* oocyte (Abin-Carriquiry, J.A. (536) 1)

Erythromycin *N*-demethylase (ERNM)

Lipopolysaccharide (LPS); Pregnane X receptor; Retinoid X receptor; Cytochrome P450 3A (CYP3A); Intestine (Xu, D.-X. (536) 162)

Extracellular signal-regulated protein kinase

Metabotropic glutamate receptor subtype 5; Cyclic-AMP responsive element-binding protein; *N*-methyl D-aspartate receptor; *N*-{4-chloro-2-[(1,3-dioxo-1,3-dihydro-2H-isindol-2-yl)-methyl]phenyl}-2-hydrobenzamide (Liu, F. (536) 262)

Family C of G protein-coupled receptor

Goldfish receptor 5.24; L- α -Amino acid; GPRC6A (Christiansen, B. (536) 98)

Fluid absorption

Dexamethasone; Otitis media with effusion; Middle ear; Na⁺/H⁺ exchanger (Choi, J.Y. (536) 12)

Fluorometric imaging plate reader

T24 cell line; Adenosine A_{2B} receptor; cAMP; 5'-*N*-Ethylcarboxamido-adenosine; Reverse transcriptase-polymerase chain reaction (Phelps, P.T. (536) 28)

Flurothyl

GABA-benzodiazepine receptor; Amino acid; (Mongolian gerbil) (Hashimoto, Y. (536) 241)

GABA-benzodiazepine receptor

Flurothyl; Amino acid; (Mongolian gerbil) (Hashimoto, Y. (536) 241)

G $\alpha_{q/11}$ inhibitor

Peripheral arterial disease; Platelet aggregation; Vasodilation; Local administration (Uemura, T. (536) 154)

Gastric blood flow

Ghrelin; Ischemia–reperfusion; Nitric oxide; Calcitonin gene related peptide; Angiogenesis; Hypoxia inducible factor-1 α (Konturek, P.C. (536) 171)

GH (growth hormone)

TNF (tumor necrosis factor); PEG-sTNFRI (polyethylene glycol linked to soluble TNF receptor p55); IGF-I (insulin-like growth factor-I); Arthritis; Adjuvant-induced (Granado, M. (536) 204)

Ghrelin

Ischemia–reperfusion; Nitric oxide; Calcitonin gene related peptide; Gastric blood flow; Angiogenesis; Hypoxia inducible factor-1 α (Konturek, P.C. (536) 171)

Ginseng

Ginsenoside Rh₂; (*R*)- or (*S*)-stereoisomer; NMDA; Polyamine-binding site; Patch-clamp (Lee, E. (536) 69)

Ginsenoside Rh₂

Ginseng; (*R*)- or (*S*)-stereoisomer; NMDA; Polyamine-binding site; Patch-clamp (Lee, E. (536) 69)

Goldfish receptor 5.24

Family C of G protein-coupled receptor; L- α -Amino acid; GPRC6A (Christiansen, B. (536) 98)

GPRC6A

Family C of G protein-coupled receptor; Goldfish receptor 5.24; L- α -Amino acid (Christiansen, B. (536) 98)

GW501516

Methionine-choline-deficient diet; NASH; Bezafibrate; PPAR; (Mouse) (Nagasawa, T. (536) 182)

Hemin

Baicalein; Baicalin; Wogonin; Liver injury; HepG2 cell (Zhao, Y. (536) 192)

Hemodynamics

Mesenteric traction; Cyclooxygenase-inhibitor; Prostaglandin; Oxygenation (Bucher, M. (536) 296)

HepG2 cell

Hemin; Baicalein; Baicalin; Wogonin; Liver injury (Zhao, Y. (536) 192)

5-HT re-uptake

5-HT_{1A} receptor; 5-HT_{1B} receptor; Antagonist; Autoreceptor (Scott, C. (536) 54)

5-HT_{1A} receptor

5-HT_{1B} receptor; Antagonist; 5-HT re-uptake; Autoreceptor (Scott, C. (536) 54)

5-HT_{1B} receptor

5-HT_{1A} receptor; Antagonist; 5-HT re-uptake; Autoreceptor (Scott, C. (536) 54)

Human brain

Levetiracetam; Antiepileptic; Binding; SV2A (Gillard, M. (536) 102)

Hyperalgesia

Mexiletine; Vincristine; Nitric oxide; Tetrodotoxin-resistant Na⁺ channel (Kamei, J. (536) 123)

Diabetic neuropathic pain; Curcumin; Nitric oxide; TNF- α ; Streptozotocin (Sharma, S. (536) 256)

Thalidomide; Tumor necrosis factor; Arthritis; Zymosan (Vale, M.L. (536) 309)

Hypothermia

SNC-80; Nitric oxide; Delta opioid; L-NAME (Rawls, S.M. (536) 109)

Hypoxia

Aorta; Nifedipine; Noradrenaline; Phenylephrine (Broadley, K.J. (536) 279)

Hypoxia inducible factor-1 α

Ghrelin; Ischemia–reperfusion; Nitric oxide; Calcitonin gene related peptide; Gastric blood flow; Angiogenesis (Konturek, P.C. (536) 171)

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

TNF (tumor necrosis factor); PEG-sTNFRI (polyethylene glycol linked to soluble TNF receptor p55); GH (growth hormone); Arthritis; Adjuvant-induced (Granado, M. (536) 204)

Indapamide

Pituitary cell; Voltage-dependent K⁺ current; Apoptosis (Dong, D.-L. (536) 78)

Inflammation

Leomycin; Dexamethasone; Pulmonary fibrosis (Chen, F. (536) 287)

iNOS (inducible nitric oxide synthase)

eNOS (endothelial nitric oxide synthase); COX-2 (cyclooxygenase-2); *N*-(3-(aminomethyl)benzyl)acetamide (1400W); L-NAME (*N*^G-nitro-L-arginine methyl ester); NF-κB (nuclear transcription factor κB) (Guo, J.S. (536) 301)

Insulin

Corpus cavernosum; Relaxation; Prostacyclin; Ca²⁺ channel (Myung, S.C. (536) 142)

Intestine

Purinergic receptor; ATP; Enteric nervous system; Secretion (Fang, X. (536) 113)

Lipopolysaccharide (LPS); Pregnane X receptor; Retinoid X receptor; Cytochrome P450 3A (CYP3A); Erythromycin *N*-demethylase (ERND) (Xu, D.-X. (536) 162)

Intracerebroventricular

NMDA; Nitric oxide synthase; Neuroprotection (Kitto, K.F. (536) 133)

Ischemia

σ₁ receptors; Retina; Neuroprotection; Adamantane derivative (Bucolo, C. (536) 200)

Ischemia–reperfusion

Ghrelin; Nitric oxide; Calcitonin gene related peptide; Gastric blood flow; Angiogenesis; Hypoxia inducible factor-1 alpha (Konturek, P.C. (536) 171)

L-α-Amino acid

Family C of G protein-coupled receptor; Goldfish receptor 5.24; GPRC6A (Christiansen, B. (536) 98)

Learning and memory

Running; Morphine (Alaei, H. (536) 138)

Leomycin

Dexamethasone; Inflammation; Pulmonary fibrosis (Chen, F. (536) 287)

Levetiracetam

Antiepileptic; Binding; Human brain; SV2A (Gillard, M. (536) 102)

Lipopolysaccharide (LPS)

Pregnane X receptor; Retinoid X receptor; Cytochrome P450 3A (CYP3A); Erythromycin *N*-demethylase (ERND); Intestine (Xu, D.-X. (536) 162)

Liver injury

Hemin; Baicalein; Baicalin; Wogonin; HepG2 cell (Zhao, Y. (536) 192)

Liver X receptor agonist

Reverse cholesterol transport; ATP-binding cassette transporter A1; Cellular cholesterol efflux (Johnston, T.P. (536) 232)

L-NAME

SNC-80; Nitric oxide; Delta opioid; Hypothermia (Rawls, S.M. (536) 109)

L-NAME (*N*^G-nitro-L-arginine methyl ester)

iNOS (inducible nitric oxide synthase); eNOS (endothelial nitric oxide synthase); COX-2 (cyclooxygenase-2); *N*-(3-(aminomethyl)benzyl)acetamide (1400W); NF-κB (nuclear transcription factor κB) (Guo, J.S. (536) 301)

Local administration

Gα_{q/11} inhibitor; Peripheral arterial disease; Platelet aggregation; Vaso-dilation (Uemura, T. (536) 154)

Low concentration of esiRNA

Multidrug resistance; **MDRI**; Endonuclease-prepared small interference; RNA (esiRNA) (Li, L. (536) 93)

Lung epithelial cell

Protease-activated receptor2 (PAR2); Neutrophil adhesion; Rho; Cytoskeleton (Yagi, Y. (536) 19)

Maitotoxin

Ca²⁺ channel; Brainstem cell; Ca²⁺ influx; Catecholamine release; Adrenal chromaffin cell (Kakizaki, A. (536) 223)

Marmoset

Cocaine; Tachykinin NK₃ receptor; SR 142801; Behavior; Sensitivity (De Souza Silva, M.A. (536) 269)

Matrix metalloproteinase

Atrial fibrillation; Electrical remodeling; Structural remodeling; Amiodarone (Ashikaga, K. (536) 148)

MDRI

Multidrug resistance; Endonuclease-prepared small interference; RNA (esiRNA); Low concentration of esiRNA (Li, L. (536) 93)

Membrane traffic

Norepinephrine; Transporter; Calcium (Amano, T. (536) 62)

Mesenteric traction

Cyclooxygenase-inhibitor; Prostaglandin; Hemodynamics; Oxygenation (Bucher, M. (536) 296)

Metabotropic glutamate receptor subtype 5

Extracellular signal-regulated protein kinase; Cyclic-AMP responsive element-binding protein; *N*-methyl D-aspartate receptor; *N*-{4-chloro-2-[(1,3-dioxo-1,3-dihydro-2^H-isoindol-2-yl)-methyl]phenyl}-2-hydrobenzamide (Liu, F. (536) 262)

Metformin

Osteoblast; Osteoporosis; Diabetes mellitus (Cortizo, A.M. (536) 38)

Methionine-choline-deficient diet

NASH; Bezafibrate; PPAR; GW501516; (Mouse) (Nagasawa, T. (536) 182)

[³H]methyllycaconitine binding

Nicotinic acetylcholine receptor; Dopamine release; Noradrenaline release; [³H]epibatidine binding; *Xenopus* oocyte (Abin-Carriquiry, J.A. (536) 1)

Mexiletine

Vincristine; Nitric oxide; Tetrodotoxin-resistant Na⁺ channel; Hyperalgesia (Kamei, J. (536) 123)

Middle ear

Dexamethasone; Otitis media with effusion; Fluid absorption; Na⁺/H⁺ exchanger (Choi, J.Y. (536) 12)

(Mongolian gerbil)

Flurothyl; GABA-benzodiazepine receptor; Amino acid (Hashimoto, Y. (536) 241)

Morphine

Running; Learning and memory (Alaei, H. (536) 138)

(Mouse)

Methionine-choline-deficient diet; NASH; Bezafibrate; PPAR; GW501516 (Nagasawa, T. (536) 182)

Multidrug resistance

MDR1; Endonuclease-prepared small interference; RNA (esiRNA); Low concentration of esiRNA (Li, L. (536) 93)

5'-N-Ethylcarboxamidoadenosine

T24 cell line; Adenosine A_{2B} receptor; cAMP; Reverse transcriptase-polymerase chain reaction; Fluorometric imaging plate reader (Phelps, P.T. (536) 28)

N-(3-(aminomethyl)benzyl)acetamidine (1400W)

iNOS (inducible nitric oxide synthase); eNOS (endothelial nitric oxide synthase); COX-2 (cyclooxygenase-2); L-NAME (*N*^G-nitro-L-arginine methyl ester); NF-κB (nuclear transcription factor κB) (Guo, J.S. (536) 301)

N-{4-chloro-2-[(1,3-dioxo-1,3-dihydro-2H-isoinol-2-yl)-methyl]phenyl}-2-hydrobenzamide

Metabotropic glutamate receptor subtype 5; Extracellular signal-regulated protein kinase; Cyclic-AMP responsive element-binding protein; *N*-methyl D-aspartate receptor (Liu, F. (536) 262)

Na⁺/H⁺ exchanger

Dexamethasone; Otitis media with effusion; Fluid absorption; Middle ear (Choi, J.Y. (536) 12)

NASH

Methionine-choline-deficient diet; Bezafibrate; PPAR; GW501516; (Mouse) (Nagasawa, T. (536) 182)

Nerve injury

Neuropathic pain; Sodium channel; Dorsal root ganglion; Substance P (Akada, Y. (536) 248)

Neuropathic pain

Sodium channel; Dorsal root ganglion; Substance P; Nerve injury (Akada, Y. (536) 248)

Neuroprotection

NMDA; Nitric oxide synthase; Intracerebroventricular (Kitto, K.F. (536) 133)

σ₁ receptors; Retina; Ischemia; Adamantane derivative (Bucolo, C. (536) 200)

Neurotransmitter release

Artery; β-NAD; Adenylyl cyclase; Protein kinase A (Bobalova, J. (536) 128)

Neutrophil adhesion

Protease-activated receptor2 (PAR2); Lung epithelial cell; Rho; Cytoskeleton (Yagi, Y. (536) 19)

NF-κB (nuclear transcription factor κB)

iNOS (inducible nitric oxide synthase); eNOS (endothelial nitric oxide synthase); COX-2 (cyclooxygenase-2); *N*-(3-(aminomethyl)benzyl)acetamidine (1400W); L-NAME (*N*^G-nitro-L-arginine methyl ester) (Guo, J.S. (536) 301)

Nicotinic acetylcholine receptor

Dopamine release; Noradrenaline release; [³H]epibatidine binding; [³H]methyllycaconitine binding; *Xenopus* oocyte (Abin-Carriquiry, J.A. (536) 1)

Nifedipine

Aorta; Hypoxia; Noradrenaline; Phenylephrine (Broadley, K.J. (536) 279)

Nitric oxide

SNC-80; Delta opioid; Hypothermia; L-NAME (Rawls, S.M. (536) 109)

Mexiletine; Vincristine; Tetrodotoxin-resistant Na⁺ channel; Hyperalgesia (Kamei, J. (536) 123)

Ghrelin; Ischemia-reperfusion; Calcitonin gene related peptide; Gastric blood flow; Angiogenesis; Hypoxia inducible factor-1 alpha (Konturek, P.C. (536) 171)

Diabetic neuropathic pain; Hyperalgesia; Curcumin; TNF-α; Streptozotocin (Sharma, S. (536) 256)

Nitric oxide synthase

NMDA; Neuroprotection; Intracerebroventricular (Kitto, K.F. (536) 133)

NMDA

Ginseng; Ginsenoside Rh₂; (*R*)- or (*S*)-stereoisomer; Polyamine-binding site; Patch-clamp (Lee, E. (536) 69)

Nitric oxide synthase; Neuroprotection; Intracerebroventricular (Kitto, K.F. (536) 133)

N-methyl D-aspartate receptor

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Noradrenaline

Aorta; Nifedipine; Hypoxia; Phenylephrine (Broadley, K.J. (536) 279)

Noradrenaline release

Nicotinic acetylcholine receptor; Dopamine release; [³H]epibatidine binding; [³H]methyllycaconitine binding; *Xenopus* oocyte (Abin-Carriquiry, J.A. (536) 1)

Norepinephrine

Transporter; Calcium; Membrane traffic (Amano, T. (536) 62)

Osteoblast

Metformin; Osteoporosis; Diabetes mellitus (Cortizo, A.M. (536) 38)

Osteoporosis

Metformin; Osteoblast; Diabetes mellitus (Cortizo, A.M. (536) 38)

Otitis media with effusion

Dexamethasone; Fluid absorption; Middle ear; Na⁺/H⁺ exchanger (Choi, J.Y. (536) 12)

Oxygenation

Mesenteric traction; Cyclooxygenase-inhibitor; Prostaglandin; Hemodynamics (Bucher, M. (536) 296)

Patch-clamp

Ginseng; Ginsenoside Rh₂; (*R*)- or (*S*)-stereoisomer; NMDA; Polyamine-binding site (Lee, E. (536) 69)

PEG-sTNFRI (polyethylene glycol linked to soluble TNF receptor p55)

TNF (tumor necrosis factor); GH (growth hormone); IGF-I (insulin-like growth factor-I); Arthritis; Adjuvant-induced (Granado, M. (536) 204)

Peripheral arterial disease

Gα_{q/11} inhibitor; Platelet aggregation; Vasodilation; Local administration (Uemura, T. (536) 154)

Phenylephrine

Aorta; Nifedipine; Hypoxia; Noradrenaline (Broadley, K.J. (536) 279)

Pirfenidone

Chronic rejection; Transplantation (Dosanjh, A. (536) 219)

Pituitary cell

Indapamide; Voltage-dependent K^+ current; Apoptosis (Dong, D.-L. (536) 78)

Platelet aggregation

$G\alpha_{q/11}$ inhibitor; Peripheral arterial disease; Vasodilation; Local administration (Uemura, T. (536) 154)

Poly (ADP-ribose) polymerase

Secretory phospholipase A_2 ; Apoptosis; Caspase; TNF- α ; Cytochrome c (Lee, C. (536) 47)

Polyamine-binding site

Ginseng; Ginsenoside Rh_2 ; (*R*)- or (*S*)-stereoisomer; NMDA; Patch-clamp (Lee, E. (536) 69)

PPAR

Methionine-choline-deficient diet; NASH; Bezafibrate; GW501516; (Mouse) (Nagasawa, T. (536) 182)

Pregnane X receptor

Lipopolysaccharide (LPS); Retinoid X receptor; Cytochrome P450 3A (CYP3A); Erythromycin *N*-demethylase (ERND); Intestine (Xu, D.-X. (536) 162)

Prostacyclin

Insulin; Corpus cavernosum; Relaxation; Ca^{2+} channel (Myung, S.C. (536) 142)

Prostaglandin

Mesenteric traction; Cyclooxygenase-inhibitor; Hemodynamics; Oxygenation (Bucher, M. (536) 296)

Protease-activated receptor2 (PAR2)

Lung epithelial cell; Neutrophil adhesion; Rho; Cytoskeleton (Yagi, Y. (536) 19)

Protein kinase A

Artery; β -NAD; Adenylyl cyclase; Neurotransmitter release (Bobalova, J. (536) 128)

Pulmonary fibrosis

Leomycin; Dexamethasone; Inflammation (Chen, F. (536) 287)

Purinergic receptor

ATP; Intestine; Enteric nervous system; Secretion (Fang, X. (536) 113)

(R)- or (S)-stereoisomer

Ginseng; Ginsenoside Rh_2 ; NMDA; Polyamine-binding site; Patch-clamp (Lee, E. (536) 69)

Relaxation

Insulin; Corpus cavernosum; Prostacyclin; Ca^{2+} channel (Myung, S.C. (536) 142)

Retina

σ_1 receptors; Neuroprotection; Ischemia; Adamantane derivative (Bucolo, C. (536) 200)

Retinoid X receptor

Lipopolysaccharide (LPS); Pregnane X receptor; Cytochrome P450 3A (CYP3A); Erythromycin *N*-demethylase (ERND); Intestine (Xu, D.-X. (536) 162)

Reverse cholesterol transport

Liver X receptor agonist; ATP-binding cassette transporter A1; Cellular cholesterol efflux (Johnston, T.P. (536) 232)

Reverse transcriptase-polymerase chain reaction

T24 cell line; Adenosine A_{2B} receptor; cAMP; 5'-*N*-Ethylcarboxamidoadenosine; Fluorometric imaging plate reader (Phelps, P.T. (536) 28)

Rho

Protease-activated receptor2 (PAR2); Lung epithelial cell; Neutrophil adhesion; Cytoskeleton (Yagi, Y. (536) 19)

RNA (esiRNA)

Multidrug resistance; *MDRI*; Endonuclease-prepared small interference; Low concentration of esiRNA (Li, L. (536) 93)

Running

Morphine; Learning and memory (Alaei, H. (536) 138)

 σ_1 receptors

Retina; Neuroprotection; Ischemia; Adamantane derivative (Bucolo, C. (536) 200)

Secretion

Purinergic receptor; ATP; Intestine; Enteric nervous system (Fang, X. (536) 113)

Secretory phospholipase A_2

Apoptosis; Caspase; Poly (ADP-ribose) polymerase; TNF- α ; Cytochrome c (Lee, C. (536) 47)

Sensitivity

Cocaine; Tachykinin NK_3 receptor; SR 142801; Marmoset; Behavior (De Souza Silva, M.A. (536) 269)

SNC-80

Nitric oxide; Delta opioid; Hypothermia; L-NAME (Rawls, S.M. (536) 109)

Sodium channel

Neuropathic pain; Dorsal root ganglion; Substance P; Nerve injury (Akada, Y. (536) 248)

SR 142801

Cocaine; Tachykinin NK_3 receptor; Marmoset; Behavior; Sensitivity (De Souza Silva, M.A. (536) 269)

Streptozotocin

Diabetic neuropathic pain; Hyperalgesia; Curcumin; Nitric oxide; TNF- α (Sharma, S. (536) 256)

Structural remodeling

Atrial fibrillation; Electrical remodeling; Amiodarone; Matrix metalloproteinase (Ashikaga, K. (536) 148)

Substance P

Neuropathic pain; Sodium channel; Dorsal root ganglion; Nerve injury (Akada, Y. (536) 248)

SV2A

Levetiracetam; Antiepileptic; Binding; Human brain (Gillard, M. (536) 102)

T24 cell line

Adenosine A_{2B} receptor; cAMP; 5'-*N*-Ethylcarboxamidoadenosine; Reverse transcriptase-polymerase chain reaction; Fluorometric imaging plate reader (Phelps, P.T. (536) 28)

Tachykinin NK_3 receptor

Cocaine; SR 142801; Marmoset; Behavior; Sensitivity (De Souza Silva, M.A. (536) 269)

Tetrodotoxin-resistant Na⁺ channel

Mexiletine; Vincristine; Nitric oxide; Hyperalgesia (Kamei, J. (536) 123)

Thalidomide

Tumor necrosis factor; Hyperalgesia; Arthritis; Zymosan (Vale, M.L. (536) 309)

TNF (tumor necrosis factor)

PEG-sTNFR1 (polyethylene glycol linked to soluble TNF receptor p55); GH (growth hormone); IGF-I (insulin-like growth factor-I); Arthritis; Adjuvant-induced (Granado, M. (536) 204)

TNF- α

Secretory phospholipase A₂; Apoptosis; Caspase; Poly (ADP-ribose) polymerase; Cytochrome c (Lee, C. (536) 47)

Diabetic neuropathic pain; Hyperalgesia; Curcumin; Nitric oxide; Streptozotocin (Sharma, S. (536) 256)

Transplantation

Pirfenidone; Chronic rejection (Dosanjh, A. (536) 219)

Transporter

Norepinephrine; Calcium; Membrane traffic (Amano, T. (536) 62)

Tumor necrosis factor

Thalidomide; Hyperalgesia; Arthritis; Zymosan (Vale, M.L. (536) 309)

Vasodilation

G $\alpha_{q/11}$ inhibitor; Peripheral arterial disease; Platelet aggregation; Local administration (Uemura, T. (536) 154)

Vincristine

Mexiletine; Nitric oxide; Tetrodotoxin-resistant Na⁺ channel; Hyperalgesia (Kamei, J. (536) 123)

Voltage-dependent K⁺ current

Indapamide; Pituitary cell; Apoptosis (Dong, D.-L. (536) 78)

Wogonin

Hemin; Baicalein; Baicalin; Liver injury; HepG2 cell (Zhao, Y. (536) 192)

***Xenopus* oocyte**

Nicotinic acetylcholine receptor; Dopamine release; Noradrenaline release; [³H]epibatidine binding; [³H]methyllycaconitine binding (Abin-Carriquiry, J.A. (536) 1)

Dextromethorphan; Dextromethorphan analog; $\alpha_3\beta_4$ nicotinic acetylcholine receptor (Lee, J.-H. (536) 85)

Zymosan

Thalidomide; Tumor necrosis factor; Hyperalgesia; Arthritis (Vale, M.L. (536) 309)