

Keyword index

Adenosine

Adenosine uptake inhibitor (nucleoside transport inhibitor); Protective effect; Therapeutic application (Noji, T. (495) 1)

Adenosine uptake inhibitor (nucleoside transport inhibitor)

Adenosine; Protective effect; Therapeutic application (Noji, T. (495) 1)

Adenylyl cyclase

β -adrenoceptor; Ischemia; Reperfusion; Catecholamine; Regional myocardial blood flow (Boucher, M. (495) 185)

α_2 -Adrenoceptor

5-HT₃ receptor; MD-354 (*m*-chlorophenylguanidine); Antinociception; In vitro and in vivo model (Wesolowska, A. (495) 129)

β_2 -Adrenoceptor

Oesophagus muscularis mucosae; β_3 -Adrenoceptor; Protein kinase C; Receptor cross-talk (Oostendorp, J. (495) 75)

Adenylyl cyclase; Ischemia; Reperfusion; Catecholamine; Regional myocardial blood flow (Boucher, M. (495) 185)

β_3 -Adrenoceptor

Oesophagus muscularis mucosae; β_2 -Adrenoceptor; Protein kinase C; Receptor cross-talk (Oostendorp, J. (495) 75)

Advanced glycation end product

Diabetic retinopathy; Calcium dobesilate; Antioxidant; Vascular permeability; VEGF (vascular endothelial cell growth factor) (Rota, R. (495) 217)

Aldosterone

Nicotine; Stress (Stier Jr., C.T. (495) 167)

3-Alkyl-(5,5'-diphenyl)imidazolidinedione

Cannabinoid receptor; [³⁵S]GTP γ S; Neutral antagonism; Inverse agonism (Govaerts, S.J. (495) 43)

D-Amino acid oxidase

Glycine site; *N*-Methyl-D-aspartate receptor; D-Serine; L-Serine; Serine racemase (Hashimoto, A. (495) 153)

Amphetamine

Mood stabilizer; Glucocorticoid receptor-mediated gene transcription; Glucocorticoid receptor; Protein kinase; Inositol; LMCAT cell (Basta-Kaim, A. (495) 103)

Angiogenesis

Antiinflammatory; Genipin; Inducible nitric oxide synthase; Lipid peroxidation; NO (Nitric oxide) (Koo, H.-J. (495) 201)

Antidepressant

Arc (activity-regulated cytoskeletal associated protein); 5-hydroxytryptamine; SNRI (selective 5-HT/noradrenaline reuptake inhibitor); Neuroplasticity (Pei, Q. (495) 226)

Antiinflammatory

Angiogenesis; Genipin; Inducible nitric oxide synthase; Lipid peroxidation; NO (Nitric oxide) (Koo, H.-J. (495) 201)

Antinociception

α_2 -Adrenoceptor; 5-HT₃ receptor; MD-354 (*m*-chlorophenylguanidine); In vitro and in vivo model (Wesolowska, A. (495) 129)

Antioxidant

Diabetic retinopathy; Calcium dobesilate; Advanced glycation end product; Vascular permeability; VEGF (vascular endothelial cell growth factor) (Rota, R. (495) 217)

Apoptosis

Necrosis; Cyclosporin A; Permeability transition pore; Preservation solution; Rat, liver (Plin, C. (495) 111)

Arc (activity-regulated cytoskeletal associated protein)

Antidepressant; 5-hydroxytryptamine; SNRI (selective 5-HT/noradrenaline reuptake inhibitor); Neuroplasticity (Pei, Q. (495) 226)

Atopic dermatitis

NC/Nga, mouse; Scratching behavior; Itching; MicroAct (Takano, N. (495) 159)

ATP responsiveness

P2X₂ receptor; Channel pore mutant; Desensitization (Nakazawa, K. (495) 27)

Baclofen

GABA; Gabapentin (Parker, D.A.S. (495) 137)

Benzodiazepine

GABA; Flavonoid; Coumestan; Flunitrazepam (Lopes, D.V.S. (495) 87)

Body weight

Opioid receptor antagonist; Nalmefene; Food intake (Chen, R.Z. (495) 63)

γ -butyrobetaine

Mildronate; γ -butyrobetaine ester; NO (Nitric oxide); Nitric oxide synthase; Vasorelaxation (Sjakste, N. (495) 67)

γ -butyrobetaine ester

Mildronate; γ -butyrobetaine; NO (Nitric oxide); Nitric oxide synthase; Vasorelaxation (Sjakste, N. (495) 67)

Calcium dobesilate

Diabetic retinopathy; Advanced glycation end product; Antioxidant; Vascular permeability; VEGF (vascular endothelial cell growth factor) (Rota, R. (495) 217)

Cannabinoid receptor

[³⁵S]GTP γ S; 3-Alkyl-(5,5'-diphenyl)imidazolidinedione; Neutral antagonism; Inverse agonism (Govaerts, S.J. (495) 43)

Cardiac ischaemia

Nitric oxide synthase regulation; Oestrogen; Selective oestrogen-receptor modulator; Raloxifene; Heart (Nemcsik, J. (495) 179)

Catecholamine

β -adrenoceptor; Adenylyl cyclase; Ischemia; Reperfusion; Regional myocardial blood flow (Boucher, M. (495) 185)

Cerebral infarct

Ebselen; Focal ischemia; Oxidative stress; (Rat) (Salom, J.B. (495) 55)

Channel pore mutant

P2X₂ receptor; Desensitization; ATP responsiveness (Nakazawa, K. (495) 27)

Coaxial bioassay

Urinary bladder; Relaxation; (Rat) (Bozkurt, T.E. (495) 193)

Constitutive activity

5-HT₇ receptor; Inverse agonism; SB-258719; SB-259741; SB-269970 (Mahé, C. (495) 97)

Coronary vasoconstriction

Endothelial dysfunction; Coronary vasodilatation; Vasoconstrictor prostanoid (Diéguez, G. (495) 171)

Coronary vasodilatation

Endothelial dysfunction; Coronary vasoconstriction; Vasoconstrictor prostanoid (Diéguez, G. (495) 171)

Coumestan

Benzodiazepine; GABA; Flavonoid; Flunitrazepam (Lopes, D.V.S. (495) 87)

Cyclosporin A

Necrosis; Apoptosis; Permeability transition pore; Preservation solution; Rat, liver (Plin, C. (495) 111)

Desensitization

P2X₂ receptor; Channel pore mutant; ATP responsiveness (Nakazawa, K. (495) 27)

Diabetes

Isoproterenol; Phenylephrine; Prazosin; Propranolol (Colivicchi, M.A. (495) 209)

Diabetic retinopathy

Calcium dobesilate; Advanced glycation end product; Antioxidant; Vascular permeability; VEGF (vascular endothelial cell growth factor) (Rota, R. (495) 217)

Dual agonist

TAK-559; Peroxisome proliferator-activated receptor; Partial agonist (Sakamoto, J. (495) 17)

Ebselen

Focal ischemia; Oxidative stress; Cerebral infarct; (Rat) (Salom, J.B. (495) 55)

EEG

Polytherapy; GABA; Isobolic analysis; (Rat) (Bouwman, B.M. (495) 119)

Endothelial dysfunction

Coronary vasoconstriction; Coronary vasodilatation; Vasoconstrictor prostanoid (Diéguez, G. (495) 171)

Flavonoid

Benzodiazepine; GABA; Coumestan; Flunitrazepam (Lopes, D.V.S. (495) 87)

Flunitrazepam

Benzodiazepine; GABA; Flavonoid; Coumestan (Lopes, D.V.S. (495) 87)

Focal ischemia

Ebselen; Oxidative stress; Cerebral infarct; (Rat) (Salom, J.B. (495) 55)

Food intake

Opioid receptor antagonist; Nalmefene; Body weight (Chen, R.Z. (495) 63)

GABA

Benzodiazepine; Flavonoid; Coumestan; Flunitrazepam (Lopes, D.V.S. (495) 87)

Polytherapy; Isobolic analysis; EEG; (Rat) (Bouwman, B.M. (495) 119)

Baclofen; Gabapentin (Parker, D.A.S. (495) 137)

Gabapentin

GABA; Baclofen (Parker, D.A.S. (495) 137)

Genipin

Angiogenesis; Antiinflammatory; Inducible nitric oxide synthase; Lipid peroxidation; NO (Nitric oxide) (Koo, H.-J. (495) 201)

Glucocorticoid receptor

Mood stabilizer; Glucocorticoid receptor-mediated gene transcription; Protein kinase; Inositol; LMCAT cell; Amphetamine (Basta-Kaim, A. (495) 103)

Glucocorticoid receptor-mediated gene transcription

Mood stabilizer; Glucocorticoid receptor; Protein kinase; Inositol; LMCAT cell; Amphetamine (Basta-Kaim, A. (495) 103)

Glycine site

D-Amino acid oxidase; *N*-Methyl-D-aspartate receptor; D-Serine; L-Serine; Serine racemase (Hashimoto, A. (495) 153)

Heart

Nitric oxide synthase regulation; Oestrogen; Selective oestrogen-receptor modulator; Raloxifene; Cardiac ischaemia (Nemcsik, J. (495) 179)

5-HT₃ receptor

α_2 -Adrenoceptor; MD-354 (*m*-chlorophenylguanidine); Antinociception; In vitro and in vivo model (Wesolowska, A. (495) 129)

5-HT₇ receptor

Inverse agonism; Constitutive activity; SB-258719; SB-259741; SB-269970 (Mahé, C. (495) 97)

5-hydroxytryptamine

Antidepressant; *Arc* (activity-regulated cytoskeletal associated protein); SNRI (selective 5-HT/noradrenaline reuptake inhibitor); Neuroplasticity (Pei, Q. (495) 226)

Inducible nitric oxide synthase

Angiogenesis; Antiinflammatory; Genipin; Lipid peroxidation; NO (Nitric oxide) (Koo, H.-J. (495) 201)

Inositol

Mood stabilizer; Glucocorticoid receptor-mediated gene transcription; Glucocorticoid receptor; Protein kinase; LMCAT cell; Amphetamine (Basta-Kaim, A. (495) 103)

Interstitial cell of Cajal

Pacemaker current; Neurokinin receptor1; Substance P; Small intestine (Jun, J.Y. (495) 35)

Inverse agonism

Cannabinoid receptor; [³⁵S]GTPγS; 3-Alkyl-(5,5'-diphenyl)imidazolidine-dione; Neutral antagonism (Govaerts, S.J. (495) 43)

5-HT₇ receptor; Constitutive activity; SB-258719; SB-259741; SB-269970 (Mahé, C. (495) 97)

In vitro and in vivo model

α₂-Adrenoceptor; 5-HT₃ receptor; MD-354 (*m*-chlorophenylguanidine); Antinociception (Wesolowska, A. (495) 129)

Ischemia

β-adrenoceptor; Adenylyl cyclase; Reperfusion; Catecholamine; Regional myocardial blood flow (Boucher, M. (495) 185)

Isobolic analysis

Polytherapy; GABA; EEG; (Rat) (Bouwman, B.M. (495) 119)

Isoproterenol

Diabetes; Phenylephrine; Prazosin; Propranolol (Colivicchi, M.A. (495) 209)

Itching

Atopic dermatitis; NC/Nga, mouse; Scratching behavior; MicroAct (Takano, N. (495) 159)

Lipid peroxidation

Angiogenesis; Antiinflammatory; Genipin; Inducible nitric oxide synthase; NO (Nitric oxide) (Koo, H.-J. (495) 201)

LMCAT cell

Mood stabilizer; Glucocorticoid receptor-mediated gene transcription; Glucocorticoid receptor; Protein kinase; Inositol; Amphetamine (Basta-Kaim, A. (495) 103)

MD-354 (*m*-chlorophenylguanidine)

α₂-Adrenoceptor; 5-HT₃ receptor; Antinociception; In vitro and in vivo model (Wesolowska, A. (495) 129)

Melanocortin

Sensory recovery; Peripheral nerve injury; Sciatic nerve (Nijenhuis, W.A.J. (495) 145)

MicroAct

Atopic dermatitis; NC/Nga, mouse; Scratching behavior; Itching (Takano, N. (495) 159)

Mildronate

γ-butyrobetaine; γ-butyrobetaine ester; NO (Nitric oxide); Nitric oxide synthase; Vasorelaxation (Sjakste, N. (495) 67)

Mood stabilizer

Glucocorticoid receptor-mediated gene transcription; Glucocorticoid receptor; Protein kinase; Inositol; LMCAT cell; Amphetamine (Basta-Kaim, A. (495) 103)

Nalmefene

Opioid receptor antagonist; Food intake; Body weight (Chen, R.Z. (495) 63)

NC/Nga, mouse

Atopic dermatitis; Scratching behavior; Itching; MicroAct (Takano, N. (495) 159)

Necrosis

Apoptosis; Cyclosporin A; Permeability transition pore; Preservation solution; Rat, liver (Plin, C. (495) 111)

Neurokinin receptor1

Interstitial cell of Cajal; Pacemaker current; Substance P; Small intestine (Jun, J.Y. (495) 35)

Neuroplasticity

Antidepressant; *Arc* (activity-regulated cytoskeletal associated protein); 5-hydroxytryptamine; SNRI (selective 5-HT/noradrenaline reuptake inhibitor) (Pei, Q. (495) 226)

Neutral antagonism

Cannabinoid receptor; [³⁵S]GTPγS; 3-Alkyl-(5,5'-diphenyl)imidazolidine-dione; Inverse agonism (Govaerts, S.J. (495) 43)

Nicotine

Aldosterone; Stress (Stier Jr., C.T. (495) 167)

Nitric oxide synthase

Mildronate; γ-butyrobetaine; γ-butyrobetaine ester; NO (Nitric oxide); Vasorelaxation (Sjakste, N. (495) 67)

Nitric oxide synthase regulation

Oestrogen; Selective oestrogen-receptor modulator; Raloxifene; Heart; Cardiac ischaemia (Nemcsik, J. (495) 179)

N-Methyl-D-aspartate receptor

D-Amino acid oxidase; Glycine site; D-Serine; L-Serine; Serine racemase (Hashimoto, A. (495) 153)

NO (Nitric oxide)

Mildronate; γ-butyrobetaine; γ-butyrobetaine ester; Nitric oxide synthase; Vasorelaxation (Sjakste, N. (495) 67)

Angiogenesis; Antiinflammatory; Genipin; Inducible nitric oxide synthase; Lipid peroxidation (Koo, H.-J. (495) 201)

Oesophagus muscularis mucosae

β₂-Adrenoceptor; β₃-Adrenoceptor; Protein kinase C; Receptor cross-talk (Oostendorp, J. (495) 75)

Oestrogen

Nitric oxide synthase regulation; Selective oestrogen-receptor modulator; Raloxifene; Heart; Cardiac ischaemia (Nemcsik, J. (495) 179)

Opioid receptor antagonist

Nalmefene; Food intake; Body weight (Chen, R.Z. (495) 63)

Oxidative stress

Ebselen; Focal ischemia; Cerebral infarct; (Rat) (Salom, J.B. (495) 55)

Pacemaker current

Interstitial cell of Cajal; Neurokinin receptor1; Substance P; Small intestine (Jun, J.Y. (495) 35)

Partial agonist

TAK-559; Peroxisome proliferator-activated receptor; Dual agonist (Sakamoto, J. (495) 17)

Peripheral nerve injury

Melanocortin; Sensory recovery; Sciatic nerve (Nijenhuis, W.A.J. (495) 145)

Permeability transition pore

Necrosis; Apoptosis; Cyclosporin A; Preservation solution; Rat, liver (Plin, C. (495) 111)

Peroxisome proliferator-activated receptor

TAK-559; Partial agonist; Dual agonist (Sakamoto, J. (495) 17)

Phenylephrine

Diabetes; Isoproterenol; Prazosin; Propranolol (Colivicchi, M.A. (495) 209)

Polytherapy

GABA; Isobolic analysis; EEG; (Rat) (Bouwman, B.M. (495) 119)

Prazosin

Diabetes; Isoproterenol; Phenylephrine; Propranolol (Colivicchi, M.A. (495) 209)

Preservation solution

Necrosis; Apoptosis; Cyclosporin A; Permeability transition pore; Rat, liver (Plin, C. (495) 111)

Propranolol

Diabetes; Isoproterenol; Phenylephrine; Prazosin (Colivicchi, M.A. (495) 209)

Protective effect

Adenosine; Adenosine uptake inhibitor (nucleoside transport inhibitor); Therapeutic application (Noji, T. (495) 1)

Protein kinase

Mood stabilizer; Glucocorticoid receptor-mediated gene transcription; Glucocorticoid receptor; Inositol; LMCAT cell; Amphetamine (Basta-Kaim, A. (495) 103)

Protein kinase C

Oesophagus muscularis mucosae; β_2 -Adrenoceptor; β_3 -Adrenoceptor; Receptor cross-talk (Oostendorp, J. (495) 75)

P2X₂ receptor

Channel pore mutant; Desensitization; ATP responsiveness (Nakazawa, K. (495) 27)

Raloxifene

Nitric oxide synthase regulation; Oestrogen; Selective oestrogen-receptor modulator; Heart; Cardiac ischaemia (Nemcsik, J. (495) 179)

(Rat)

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Urinary bladder; Coaxial bioassay; Relaxation (Bozkurt, T.E. (495) 193)

Rat, liver

Necrosis; Apoptosis; Cyclosporin A; Permeability transition pore; Preservation solution (Plin, C. (495) 111)

Receptor cross-talk

Oesophagus muscularis mucosae; β_2 -Adrenoceptor; β_3 -Adrenoceptor; Protein kinase C (Oostendorp, J. (495) 75)

Regional myocardial blood flow

β -adrenoceptor; Adenylyl cyclase; Ischemia; Reperfusion; Catecholamine (Boucher, M. (495) 185)

Relaxation

Urinary bladder; Coaxial bioassay; (Rat) (Bozkurt, T.E. (495) 193)

Reperfusion

β -adrenoceptor; Adenylyl cyclase; Ischemia; Catecholamine; Regional myocardial blood flow (Boucher, M. (495) 185)

SB-258719

5-HT₇ receptor; Inverse agonism; Constitutive activity; SB-259741; SB-269970 (Mahé, C. (495) 97)

SB-259741

5-HT₇ receptor; Inverse agonism; Constitutive activity; SB-258719; SB-269970 (Mahé, C. (495) 97)

SB-269970

5-HT₇ receptor; Inverse agonism; Constitutive activity; SB-258719; SB-259741 (Mahé, C. (495) 97)

Sciatic nerve

Melanocortin; Sensory recovery; Peripheral nerve injury (Nijenhuis, W.A.J. (495) 145)

Scratching behavior

Atopic dermatitis; NC/Nga, mouse; Itching; MicroAct (Takano, N. (495) 159)

Selective oestrogen-receptor modulator

Nitric oxide synthase regulation; Oestrogen; Raloxifene; Heart; Cardiac ischaemia (Nemcsik, J. (495) 179)

Sensory recovery

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D-Serine

D-Amino acid oxidase; Glycine site; *N*-Methyl-D-aspartate receptor; L-Serine; Serine racemase (Hashimoto, A. (495) 153)

L-Serine

D-Amino acid oxidase; Glycine site; *N*-Methyl-D-aspartate receptor; D-Serine; Serine racemase (Hashimoto, A. (495) 153)

Serine racemase

D-Amino acid oxidase; Glycine site; *N*-Methyl-D-aspartate receptor; D-Serine; Serine; L-Serine (Hashimoto, A. (495) 153)

[³⁵S]GTP γ S

Cannabinoid receptor; 3-Alkyl-(5,5'-diphenyl)imidazolidinedione; Neutral antagonism; Inverse agonism (Govaerts, S.J. (495) 43)

Small intestine

Interstitial cell of Cajal; Pacemaker current; Neurokinin receptor1; Substance P (Jun, J.Y. (495) 35)

SNRI (selective 5-HT/noradrenaline reuptake inhibitor)

Antidepressant; *Arc* (activity-regulated cytoskeletal associated protein); 5-hydroxytryptamine; Neuroplasticity (Pei, Q. (495) 226)

Stress

Aldosterone; Nicotine (Stier Jr., C.T. (495) 167)

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TAK-559

Peroxisome proliferator-activated receptor; Partial agonist; Dual agonist (Sakamoto, J. (495) 17)

Therapeutic application

Adenosine; Adenosine uptake inhibitor (nucleoside transport inhibitor); Protective effect (Noji, T. (495) 1)

Urinary bladder

Coaxial bioassay; Relaxation; (Rat) (Bozkurt, T.E. (495) 193)

Vascular permeability

Diabetic retinopathy; Calcium dobesilate; Advanced glycation end product; Antioxidant; VEGF (vascular endothelial cell growth factor) (Rota, R. (495) 217)

Vasoconstrictor prostanoid

Endothelial dysfunction; Coronary vasoconstriction; Coronary vasodilatation (Diéguez, G. (495) 171)

Vasorelaxation

Mildronate; γ -butyrobetaine; γ -butyrobetaine ester; NO (Nitric oxide); Nitric oxide synthase (Sjakste, N. (495) 67)

VEGF (vascular endothelial cell growth factor)

Diabetic retinopathy; Calcium dobesilate; Advanced glycation end product; Antioxidant; Vascular permeability (Rota, R. (495) 217)