

Keyword index

Acetylcholine release

Serotonin; Serotonin receptor subtype; Spinal antinociception (Kommalage, M. (509) 127)

Adenosine

Caffeine; Neurodevelopment; Maternal intake; Glutamate; Locomotor activity (da Silva, R.S. (509) 155)

Allodynia

Nicotinic acetylcholine receptor; Cancer pain; Neuropathic pain; Analgesia; Vincristine (Lynch III, J.J. (509) 43)

4-aminopyridine

Tetraethylammonium; Gastrointestinal motility; Gastric acid secretion (Dong, D.-L. (509) 179)

Amygdala

Corticotropin releasing factor; Stress; Behavior; Antagonist; (Rat) (Gehlert, D.R. (509) 145)

Analgesia

Nicotinic acetylcholine receptor; Cancer pain; Neuropathic pain; Allodynia; Vincristine (Lynch III, J.J. (509) 43)

Antagonist

Corticotropin releasing factor; Stress; Behavior; Amygdala; (Rat) (Gehlert, D.R. (509) 145)

Dmt (2',6'-dimethyl-L-tyrosine); Endomorphin; Antinociception; Supraspinal; Spinal (Jinsmaa, Y. (509) 37)

Antidepressant

Selective serotonin reuptake inhibitor; Ejaculation; c-fos; 5-HT_{1A} (de Jong, T.R. (509) 49)

Antinociception

Efficacy; Kappa-opioid; Delayed antagonism (Husbands, S.M. (509) 117)

Dmt (2',6'-dimethyl-L-tyrosine); Endomorphin; Spinal; Supraspinal; Antagonist (Jinsmaa, Y. (509) 37)

Apoptosis

Luteolin; Caspase; Mitochondria; Bcl-2; Bcl-X_L; Bad; Bax; Cleavage (Cheng, A.-C. (509) 1)

Asthma

Common cold; ICAM-1 (intercellular adhesion molecule-1); Proton pump; Lansoprazole (Sasaki, T. (509) 201)

Bad

Luteolin; Apoptosis; Caspase; Mitochondria; Bcl-2; Bcl-X_L; Bax; Cleavage (Cheng, A.-C. (509) 1)

Baicalin

Iron overload; Oxidative injury; Liver (Zhao, Y. (509) 195)

Bax

Luteolin; Apoptosis; Caspase; Mitochondria; Bcl-2; Bcl-X_L; Bad; Cleavage (Cheng, A.-C. (509) 1)

Bcl-2

Luteolin; Apoptosis; Caspase; Mitochondria; Bcl-X_L; Bad; Bax; Cleavage (Cheng, A.-C. (509) 1)

Bcl-X_L

Luteolin; Apoptosis; Caspase; Mitochondria; Bcl-2; Bad; Bax; Cleavage (Cheng, A.-C. (509) 1)

Behavior

Corticotropin releasing factor; Stress; Amygdala; Antagonist; (Rat) (Gehlert, D.R. (509) 145)

Behavioral conditioning

Nicotine; Cocaine; Development; Substance abuse; Rat (McMillen, B.A. (509) 161)

Bleomycin

Lung fibrosis; Mesna (El-Medany, A. (509) 61)

Ca²⁺ release

Ryanodine receptor; HEK293 cells; Capacitative Ca²⁺ entry (Luo, D. (509) 109)

Caffeine

Adenosine; Neurodevelopment; Maternal intake; Glutamate; Locomotor activity (da Silva, R.S. (509) 155)

Calcium

Streptozotocin-diabetes; Colon; Ileum; Motility, (rat) (Forrest, A. (509) 77)

Cancer pain

Nicotinic acetylcholine receptor; Neuropathic pain; Allodynia; Analgesia; Vincristine (Lynch III, J.J. (509) 43)

Capacitative Ca²⁺ entry

Ryanodine receptor; HEK293 cells; Ca²⁺ release (Luo, D. (509) 109)

Capsaicin

Hydrogen sulfide (H₂S); Sensory neuron; Urinary bladder (Patacchini, R. (509) 171)

Caspase

Luteolin; Apoptosis; Mitochondria; Bcl-2; Bcl-X_L; Bad; Bax; Cleavage (Cheng, A.-C. (509) 1)

c-fos

Selective serotonin reuptake inhibitor; Ejaculation; Antidepressant; 5-HT_{1A} (de Jong, T.R. (509) 49)

Cleavage

Luteolin; Apoptosis; Caspase; Mitochondria; Bcl-2; Bcl-X_L; Bad; Bax (Cheng, A.-C. (509) 1)

Cocaine

Nicotine; Behavioral conditioning; Development; Substance abuse; Rat (McMillen, B.A. (509) 161)

Collagen

Dimer of platelet-derived growth factor-B; Smooth muscle α -actin; Endothelin-1; L-Methionine; L-Cysteine (Matsui, H. (509) 31)

Colon

Streptozotocin-diabetes; Ileum; Calcium; Motility, (rat) (Forrest, A. (509) 77)

Common cold

Asthma; ICAM-1 (intercellular adhesion molecule-1); Proton pump; Lansoprazole (Sasaki, T. (509) 201)

Corticotropin releasing factor

Stress; Behavior; Amygdala; Antagonist; (Rat) (Gehlert, D.R. (509) 145)

Cyclin D1 expression

Vascular smooth muscle cel, human; ERK (extracellular signal regulated kinase) (Shukla, N. (509) 21)

Cyclooxygenase-2

Heat shock factor; Heat shock protein 72; Nuclear factor- κ B; Transcription factor (Ialenti, A. (509) 89)

L-Cysteine

Dimer of platelet-derived growth factor-B; Collagen; Smooth muscle α -actin; Endothelin-1; L-Methionine (Matsui, H. (509) 31)

Delayed antagonism

Efficacy; Antinociception; Kappa-opioid (Husbands, S.M. (509) 117)

Development

Nicotine; Cocaine; Behavioral conditioning; Substance abuse; Rat (McMillen, B.A. (509) 161)

Diabetes

Resiniferatoxin; Sensory nerve; Dipeptidyl peptidase IV; (Zucker Diabetic Fatty rat) (Gram, D.X. (509) 211)

Dimer of platelet-derived growth factor-B

Collagen; Smooth muscle α -actin; Endothelin-1; L-Methionine; L-Cysteine (Matsui, H. (509) 31)

Dimerization

Inducible nitric oxide synthase; FR260330 (Chida, N. (509) 71)

Dipeptidyl peptidase IV

Resiniferatoxin; Diabetes; Sensory nerve; (Zucker Diabetic Fatty rat) (Gram, D.X. (509) 211)

Dmt (2',6'-dimethyl-L-tyrosine)

Endomorphin; Antinociception; Spinal; Supraspinal; Antagonist (Jinsmaa, Y. (509) 37)

Efficacy

Antinociception; Kappa-opioid; Delayed antagonism (Husbands, S.M. (509) 117)

Ejaculation

Selective serotonin reuptake inhibitor; Antidepressant; c-fos; 5-HT_{1A} (de Jong, T.R. (509) 49)

Endomorphin

Dmt (2',6'-dimethyl-L-tyrosine); Antinociception; Spinal; Supraspinal; Antagonist (Jinsmaa, Y. (509) 37)

Endothelin

Ischemia; Reperfusion; U46619; Vasoconstriction; NO (nitric oxide) (García-Villalón, A.L. (509) 165)

Endothelin-1

Dimer of platelet-derived growth factor-B; Collagen; Smooth muscle α -actin; L-Methionine; L-Cysteine (Matsui, H. (509) 31)

ERK (extracellular signal regulated kinase)

Vascular smooth muscle cel, human; Cyclin D1 expression (Shukla, N. (509) 21)

Fos

Morphine withdrawal; Opioid; Naltrexone; Sensitization; Guinea-pig (Mizutani, A. (509) 135)

FR260330

Inducible nitric oxide synthase; Dimerization (Chida, N. (509) 71)

Galanthamine

Human nicotinic acetylcholine receptor; Scopolamine; Tacrine; *Xenopus laevis* oocyte; Two-microelectrode voltage clamp (Smulders, C.J.G.M. (509) 97)

Gastric acid secretion

Tetraethylammonium; 4-aminopyridine; Gastrointestinal motility (Dong, D.-L. (509) 179)

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Tetraethylammonium; 4-aminopyridine; Gastric acid secretion (Dong, D.-L. (509) 179)

Glutamate

Adenosine; Caffeine; Neurodevelopment; Maternal intake; Locomotor activity (da Silva, R.S. (509) 155)

Guinea-pig

Morphine withdrawal; Opioid; Naltrexone; Sensitization; Fos (Mizutani, A. (509) 135)

Heat shock factor

Cyclooxygenase-2; Heat shock protein 72; Nuclear factor- κ B; Transcription factor (Ialenti, A. (509) 89)

Heat shock protein 72

Cyclooxygenase-2; Heat shock factor; Nuclear factor- κ B; Transcription factor (Ialenti, A. (509) 89)

HEK293 cells

Ryanodine receptor; Ca²⁺ release; Capacitative Ca²⁺ entry (Luo, D. (509) 109)

5-HT_{1A}

Selective serotonin reuptake inhibitor; Ejaculation; Antidepressant; c-fos (de Jong, T.R. (509) 49)

Human nicotinic acetylcholine receptor

Galanthamine; Scopolamine; Tacrine; *Xenopus laevis* oocyte; Two-microelectrode voltage clamp (Smulders, C.J.G.M. (509) 97)

Hydrogen sulfide (H₂S)

Capsaicin; Sensory neuron; Urinary bladder (Patacchini, R. (509) 171)

ICAM-1 (intercellular adhesion molecule-1)

Asthma; Common cold; Proton pump; Lansoprazole (Sasaki, T. (509) 201)

Ileum

Streptozotocin-diabetes; Colon; Calcium; Motility, (rat) (Forrest, A. (509) 77)

Immunophilin

Nerve growth factor; MAP kinase; Neurite outgrowth (Price, R.D. (509) 11)

Inducible nitric oxide synthase

FR260330; Dimerization (Chida, N. (509) 71)

Iron overload

Baicalin; Oxidative injury; Liver (Zhao, Y. (509) 195)

Ischemia

Reperfusion; Endothelin; U46619; Vasoconstriction; NO (nitric oxide) (García-Villalón, A.L. (509) 165)

Kappa-opioid

Efficacy; Antinociception; Delayed antagonism (Husbands, S.M. (509) 117)

Lansoprazole

Asthma; Common cold; ICAM-1 (intercellular adhesion molecule-1); Proton pump (Sasaki, T. (509) 201)

Liver

Baicalin; Iron overload; Oxidative injury (Zhao, Y. (509) 195)

Locomotor activity

Adenosine; Caffeine; Neurodevelopment; Maternal intake; Glutamate (da Silva, R.S. (509) 155)

Lung fibrosis

Bleomycin; Mesna (El-Medany, A. (509) 61)

Luteolin

Apoptosis; Caspase; Mitochondria; Bcl-2; Bcl-X_L; Bad; Bax; Cleavage (Cheng, A.-C. (509) 1)

MAP kinase

Immunophilin; Nerve growth factor; Neurite outgrowth (Price, R.D. (509) 11)

Maternal intake

Adenosine; Caffeine; Neurodevelopment; Glutamate; Locomotor activity (da Silva, R.S. (509) 155)

Mesna

Bleomycin; Lung fibrosis (El-Medany, A. (509) 61)

L-Methionine

Dimer of platelet-derived growth factor-B; Collagen; Smooth muscle α -actin; Endothelin-1; L-Cysteine (Matsui, H. (509) 31)

Mitochondria

Luteolin; Apoptosis; Caspase; Bcl-2; Bcl-X_L; Bad; Bax; Cleavage (Cheng, A.-C. (509) 1)

Morphine withdrawal

Opioid; Naltrexone; Sensitization; Fos; Guinea-pig (Mizutani, A. (509) 135)

Motility, (rat)

Streptozotocin-diabetes; Colon; Ileum; Calcium (Forrest, A. (509) 77)

Naltrexone

Morphine withdrawal; Opioid; Sensitization; Fos; Guinea-pig (Mizutani, A. (509) 135)

Nerve growth factor

Immunophilin; MAP kinase; Neurite outgrowth (Price, R.D. (509) 11)

Neurite outgrowth

Immunophilin; Nerve growth factor; MAP kinase (Price, R.D. (509) 11)

Neurodevelopment

Adenosine; Caffeine; Maternal intake; Glutamate; Locomotor activity (da Silva, R.S. (509) 155)

Neuropathic pain

Nicotinic acetylcholine receptor; Cancer pain; Allodynia; Analgesia; Vincristine (Lynch III, J.J. (509) 43)

Nicotine

Cocaine; Behavioral conditioning; Development; Substance abuse; Rat (McMillen, B.A. (509) 161)

Nicotinic acetylcholine receptor

Cancer pain; Neuropathic pain; Allodynia; Analgesia; Vincristine (Lynch III, J.J. (509) 43)

NO (nitric oxide)

Ischemia; Reperfusion; Endothelin; U46619; Vasoconstriction (García-Villalón, A.L. (509) 165)

Nuclear factor- κ B

Cyclooxygenase-2; Heat shock factor; Heat shock protein 72; Transcription factor (Ialenti, A. (509) 89)

Opioid

Morphine withdrawal; Naltrexone; Sensitization; Fos; Guinea-pig (Mizutani, A. (509) 135)

Oxidative injury

Baicalin; Iron overload; Liver (Zhao, Y. (509) 195)

P1 receptor

Skeletal muscle, frog; P2 receptor; Temperature dependency (Ziganshin, A.U. (509) 187)

P2 receptor

Skeletal muscle, frog; P1 receptor; Temperature dependency (Ziganshin, A.U. (509) 187)

Proton pump

Asthma; Common cold; ICAM-1 (intercellular adhesion molecule-1); Lansoprazole (Sasaki, T. (509) 201)

(Rat)

Corticotropin releasing factor; Stress; Behavior; Amygdala; Antagonist (Gehlert, D.R. (509) 145)

Rat

Nicotine; Cocaine; Behavioral conditioning; Development; Substance abuse (McMillen, B.A. (509) 161)

Reperfusion

Ischemia; Endothelin; U46619; Vasoconstriction; NO (nitric oxide) (García-Villalón, A.L. (509) 165)

Resiniferatoxin

Diabetes; Sensory nerve; Dipeptidyl peptidase IV; (Zucker Diabetic Fatty rat) (Gram, D.X. (509) 211)

Ryanodine receptor

HEK293 cells; Ca^{2+} release; Capacitative Ca^{2+} entry (Luo, D. (509) 109)

Scopolamine

Human nicotinic acetylcholine receptor; Galanthamine; Tacrine; *Xenopus laevis oocyte*; Two-microelectrode voltage clamp (Smulders, C.J.G.M. (509) 97)

Selective serotonin reuptake inhibitor

Ejaculation; Antidepressant; c-fos; 5-HT_{1A} (de Jong, T.R. (509) 49)

Sensitization

Morphine withdrawal; Opioid; Naltrexone; Fos; Guinea-pig (Mizutani, A. (509) 135)

Sensory nerve

Resiniferatoxin; Diabetes; Dipeptidyl peptidase IV; (Zucker Diabetic Fatty rat) (Gram, D.X. (509) 211)

Sensory neuron

Hydrogen sulfide (H_2S); Capsaicin; Urinary bladder (Patacchini, R. (509) 171)

Serotonin

Serotonin receptor subtype; Spinal antinociception; Acetylcholine release (Kommalage, M. (509) 127)

Serotonin receptor subtype

Serotonin; Spinal antinociception; Acetylcholine release (Kommalage, M. (509) 127)

Skeletal muscle, frog

P2 receptor; P1 receptor; Temperature dependency (Ziganshin, A.U. (509) 187)

Smooth muscle α -actin

Dimer of platelet-derived growth factor-B; Collagen; Endothelin-1; L-Methionine; L-Cysteine (Matsui, H. (509) 31)

Spinal

Dmt (2',6'-dimethyl-L-tyrosine); Endomorphin; Antinociception; Supraspinal; Antagonist (Jinsmaa, Y. (509) 37)

Spinal antinociception

Serotonin; Serotonin receptor subtype; Acetylcholine release (Kommalage, M. (509) 127)

Streptozotocin-diabetes

Colon; Ileum; Calcium; Motility, (rat) (Forrest, A. (509) 77)

Stress

Corticotropin releasing factor; Behavior; Amygdala; Antagonist; (Rat) (Gehlert, D.R. (509) 145)

Substance abuse

Nicotine; Cocaine; Behavioral conditioning; Development; Rat (McMillen, B.A. (509) 161)

Supraspinal

Dmt (2',6'-dimethyl-L-tyrosine); Endomorphin; Antinociception; Spinal; Antagonist (Jinsmaa, Y. (509) 37)

Tacrine

Human nicotinic acetylcholine receptor; Galanthamine; Scopolamine; *Xenopus laevis oocyte*; Two-microelectrode voltage clamp (Smulders, C.J.G.M. (509) 97)

Temperature dependency

Skeletal muscle, frog; P2 receptor; P1 receptor; (Ziganshin, A.U. (509) 187)

Tetraethylammonium

4-aminopyridine; Gastrointestinal motility; Gastric acid secretion (Dong, D.-L. (509) 179)

Transcription factor

Cyclooxygenase-2; Heat shock factor; Heat shock protein 72; Nuclear factor- κ B (Ialenti, A. (509) 89)

Two-microelectrode voltage clamp

Human nicotinic acetylcholine receptor; Galanthamine; Scopolamine; Tacrine; *Xenopus laevis oocyte* (Smulders, C.J.G.M. (509) 97)

U46619

Ischemia; Reperfusion; Endothelin; Vasoconstriction; NO (nitric oxide) (García-Villalón, A.L. (509) 165)

Urinary bladder

Hydrogen sulfide (H_2S); Capsaicin; Sensory neuron (Patacchini, R. (509) 171)

Vascular smooth muscle cel, human

ERK (extracellular signal regulated kinase); Cyclin D1 expression (Shukla, N. (509) 21)

Vasoconstriction

Ischemia; Reperfusion; Endothelin; U46619; NO (nitric oxide) (García-Villalón, A.L. (509) 165)

Vincristine

Nicotinic acetylcholine receptor; Cancer pain; Neuropathic pain; Allodynia; Analgesia (Lynch III, J.J. (509) 43)

Xenopus laevis oocyte

Human nicotinic acetylcholine receptor; Galanthamine; Scopolamine; Tacrine; Two-microelectrode voltage clamp (Smulders, C.J.G.M. (509) 97)

(Zucker Diabetic Fatty rat)

Resiniferatoxin; Diabetes; Sensory nerve; Dipeptidyl peptidase IV (Gram, D.X. (509) 211)