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Acamprosate

Morphine antinociception; Morphine dependence; Abstinence syndrome (Sepúlveda, J. (445) 87)

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β -Adrenoceptor agonist

Adrenaline; Enantiomer; Asthma; Bronchodilation (Waldeck, B. (445) 1)

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Adrenoceptor subtype

α_{1D} -Adrenoceptor antagonist; ($\pm$)-Domesticine; BMY-7378 (Indra, B. (445) 21)

α_1 -Adrenoceptor subtype

α_1 -Adrenoceptor antagonist; Hyperplastic prostate, human (Chueh, S.-C. (445) 125)

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5-Hydroxytryptamine (5-HT, serotonin); Microdialysis; Serotonin uptake inhibitor; Amphetamine; Fenfluramine (Tao, R. (445) 69)

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Alcohol; Vascular smooth muscle; Proliferation; Cell cycle (Sayeed, S. (445) 163)

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BB, rat

Diabetes; Pentoxifylline; Interleukin-10; TNF- α (Visser, J. (445) 133)

Biting, scratching, licking (BSL)

Spinal analgesia; Septide; NMDA; [Nphe¹]nociceptin-(1-13)-NH₂ (Villanueva, N. (445) 83)

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BMY-7378

Adrenoceptor subtype; α_{1D} -Adrenoceptor antagonist; ($\pm$)-Domesticine (Indra, B. (445) 21)

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β -Adrenoceptor agonist; Adrenaline; Enantiomer; Asthma (Waldeck, B. (445) 1)

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Cerebellar granule neuron

DNA methylation; Histone deacetylase (Manev, H. (445) 149)

Certoparin

Alzheimer's disease; Heparin; β -amyloid; Tau; Glycosaminoglycan (Walzer, M. (445) 211)

C-fibre reflex

RB101; Neutral endopeptidase; Aminopeptidase N; Enkephalin; Analgesia (Benoist, J.-M. (445) 201)

Cholestasis

Nonadrenergic noncholinergic relaxation; Anococcygeus muscle; Opioid; Nitric oxide (NO); (Rat) (Dehpour, A.R. (445) 31)

Contraction

MAP kinase; U0126; PD98059; Angiotensin II; Endothelin-1 (Ishihata, A. (445) 247)

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Pharmacokinetic–pharmacodynamic modelling; Hypothermia; 5-HT_{1A} receptor; Flesinoxan; Handling (Zuideveld, K.P. (445) 43)

CYP11B2

Angiotensin-converting enzyme; Pharmacogenetic (Ortlepp, J.R. (445) 151)

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Pentoxifylline; Interleukin-10; TNF- α ; BB, rat (Visser, J. (445) 133)

DNA methylation

Cerebellar granule neuron; Histone deacetylase (Manev, H. (445) 149)

DOI (1-(2,5-dimethoxy 4-iodophenyl)-2-amino propane)

Δ^9 -Tetrahydrocannabinol; 5-HT (5-hydroxytryptamine, serotonin); Hippocampus; Spatial memory (Egashira, N. (445) 221)

($\pm$)-Domesticine

Adrenoceptor subtype; α_{1D} -Adrenoceptor antagonist; BMY-7378 (Indra, B. (445) 21)

Dopamine

Dopamine D1 receptor; SKF 81297; Motor activity; Grooming; Attention-deficit hyperactivity disorder (Heijtz, R.D. (445) 97)

Dopamine D1 receptor

Dopamine; SKF 81297; Motor activity; Grooming; Attention-deficit hyperactivity disorder (Heijtz, R.D. (445) 97)

Dorsal raphe nucleus

Locus coeruleus; Noradrenaline; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis (Pudovkina, O.L. (445) 37)

Doxorubicin

Endotoxin; P-Glycoprotein; Blood–brain barrier (Zhao, Y.L. (445) 115)

Electrical stimulation

Penile erection; Penile diameter; Cavernous nerve; Nitrate; Tolerance (Adachi, H. (445) 267)

Enantiomer

β -Adrenoceptor agonist; Adrenaline; Asthma; Bronchodilation (Waldeck, B. (445) 1)

Endogenous ligand

Antinociception; Opioid; Intrathecal infusion; NMDA receptor antagonist; Paw withdrawal test (Kekesi, G. (445) 93)

Endothelin-1

MAP kinase; U0126; PD98059; Angiotensin II; Contraction (Ishihata, A. (445) 247)

Endotoxin

P-Glycoprotein; Blood–brain barrier; Doxorubicin (Zhao, Y.L. (445) 115)

Enkephalin

RB101; Neutral endopeptidase; Aminopeptidase N; Analgesia; C-fibre reflex (Benoist, J.-M. (445) 201)

Ethanol withdrawal syndrome

GABA_B receptor antagonist, SCH 50911; Seizures; (Rat) (Carai, M.A.M. (445) 195)

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5-Hydroxytryptamine (5-HT, serotonin); Microdialysis; Anti-obesity agent; Serotonin uptake inhibitor; Amphetamine (Tao, R. (445) 69)

Flesinoxan

Pharmacokinetic–pharmacodynamic modelling; Hypothermia; Corticosterone; 5-HT_{1A} receptor; Handling (Zuideveld, K.P. (445) 43)

Formalin test

Tramadol; 5-HT (5-hydroxytryptamine, serotonin); Norepinephrine; Opioid (Oliva, P. (445) 179)

Hyperalgesia; Inflammation; Ion channels; Neuropathic pain (Blackburn-Munro, G. (445) 231)

GABA_B receptor antagonist, SCH 50911

Seizures; Ethanol withdrawal syndrome; (Rat) (Carai, M.A.M. (445) 195)

GH4C1 cell

Nicotinic acetylcholine receptor; $\alpha 7$ Subunit; Perforated patch-clamp; PC12 cell; Recombinant expression (Virginio, C. (445) 153)

Glial

5-Hydroxytryptamine; Calcium; IP₃; Glutamate (Meller, R. (445) 13)

Glutamate

5-Hydroxytryptamine; Glial; Calcium; IP₃ (Meller, R. (445) 13)

GLUT4 trafficking

Zucker rat; Acarbose; Insulin resistance (Ledwig, D. (445) 141)

P-Glycoprotein

Endotoxin; Blood–brain barrier; Doxorubicin (Zhao, Y.L. (445) 115)

Glycosaminoglycan

Alzheimer's disease; Heparin; β -amyloid; Certoparin; Tau (Walzer, M. (445) 211)

Grooming

Dopamine; Dopamine D1 receptor; SKF 81297; Motor activity; Attention-deficit hyperactivity disorder (Heijtz, R.D. (445) 97)

Handling

Pharmacokinetic–pharmacodynamic modelling; Hypothermia; Corticosterone; 5-HT_{1A} receptor; Flesinoxan (Zuideveld, K.P. (445) 43)

Heparin

Alzheimer's disease; β -amyloid; Certoparin; Tau; Glycosaminoglycan (Walzer, M. (445) 211)

Hippocampus

Δ^9 -Tetrahydrocannabinol; 5-HT (5-hydroxytryptamine, serotonin); Spatial memory; DOI (1-(2,5-dimethoxy 4-iodophenyl)-2-amino propane) (Egashira, N. (445) 221)

Histone deacetylase

DNA methylation; Cerebellar granule neuron (Manev, H. (445) 149)

5-HT (5-hydroxytryptamine, serotonin)

Locus coeruleus; Dorsal raphe nucleus; Noradrenaline; Microdialysis (Pudovkina, O.L. (445) 37)

Formalin test; Tramadol; Norepinephrine; Opioid (Oliva, P. (445) 179)

Δ^9 -Tetrahydrocannabinol; Hippocampus; Spatial memory; DOI (1-(2,5-dimethoxy 4-iodophenyl)-2-amino propane) (Egashira, N. (445) 221)

5-HT_{1A} receptor

Pharmacokinetic–pharmacodynamic modelling; Hypothermia; Corticosterone; Flesinoxan; Handling (Zuideveld, K.P. (445) 43)

5-Hydroxytryptamine

Glial; Calcium; IP₃; Glutamate (Meller, R. (445) 13)

5-Hydroxytryptamine (5-HT, serotonin)

Microdialysis; Anti-obesity agent; Serotonin uptake inhibitor; Amphetamine; Fenfluramine (Tao, R. (445) 69)

Hyperalgesia

Formalin test; Inflammation; Ion channels; Neuropathic pain (Blackburn-Munro, G. (445) 231)

Hyperplastic prostate, human

α_1 -Adrenoceptor antagonist; α_1 -Adrenoceptor subtype (Chueh, S.-C. (445) 125)

Hypotension

Iso-S-Petasin; Vascular smooth muscle cell; L-type Ca²⁺ channel; Intracellular Ca²⁺ concentration (Wang, G.-J. (445) 239)

Hypothermia

Pharmacokinetic–pharmacodynamic modelling; Corticosterone; 5-HT_{1A} receptor; Flesinoxan; Handling (Zuideveld, K.P. (445) 43)

Imidazoline receptor

Spinal reflex; Tizanidine; Muscle relaxation (Honda, M. (445) 187)

Inflammation

Formalin test; Hyperalgesia; Ion channels; Neuropathic pain (Blackburn-Munro, G. (445) 231)

Insulin resistance

Zucker rat; Acarbose; GLUT4 trafficking (Ledwig, D. (445) 141)

Interleukin-10

Diabetes; Pentoxifylline; TNF- α ; BB, rat (Visser, J. (445) 133)

Intestinal muscle

Tamoxifen; Tamoxifen metabolite; Non-genomic; Spasmolytic effect; Ca²⁺ channel (Díaz, M. (445) 257)

Intracellular Ca²⁺ concentration

Iso-S-Petasin; Vascular smooth muscle cell; L-type Ca²⁺ channel; Hypotension (Wang, G.-J. (445) 239)

Intrathecal infusion

Antinociception; Endogenous ligand; Opioid; NMDA receptor antagonist; Paw withdrawal test (Kekesi, G. (445) 93)

Ion channel

Cardiac myocyte; Streptomycin sulphate (Belus, A. (445) 171)

Ion channels

Formalin test; Hyperalgesia; Inflammation; Neuropathic pain (Blackburn-Munro, G. (445) 231)

IP₃

5-Hydroxytryptamine; Glial; Calcium; Glutamate (Meller, R. (445) 13)

Ischemia–reperfusion, rat

ME10092; Cardioprotection (Dambrova, M. (445) 105)

***Iso-S*-Petasin**

Vascular smooth muscle cell; L-type Ca²⁺ channel; Intracellular Ca²⁺ concentration; Hypotension (Wang, G.-J. (445) 239)

Locus coeruleus

Dorsal raphe nucleus; Noradrenaline; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis (Pudovkina, O.L. (445) 37)

MAP kinase

U0126; PD98059; Angiotensin II; Endothelin-1; Contraction (Ishihata, A. (445) 247)

ME10092

Cardioprotection; Ischemia–reperfusion, rat (Dambrova, M. (445) 105)

Microdialysis

Locus coeruleus; Dorsal raphe nucleus; Noradrenaline; 5-HT (5-hydroxytryptamine, serotonin) (Pudovkina, O.L. (445) 37)

5-Hydroxytryptamine (5-HT, serotonin); Anti-obesity agent; Serotonin uptake inhibitor; Amphetamine; Fenfluramine (Tao, R. (445) 69)

Morphine

Naloxone; Cannabinoid; SR 141716; Alcohol intake; Sardinian alcohol-preferring (sP) rat (Vacca, G. (445) 55)

Naloxone; Naloxone methiodide; Respiration; Withdrawal (Lewanowitsch, T. (445) 61)

Morphine antinociception

Acamprosate; Morphine dependence; Abstinence syndrome (Sepúlveda, J. (445) 87)

Morphine dependence

Acamprosate; Morphine antinociception; Abstinence syndrome (Sepúlveda, J. (445) 87)

Motor activity

Dopamine; Dopamine D1 receptor; SKF 81297; Grooming; Attention-deficit hyperactivity disorder (Heijtz, R.D. (445) 97)

Muscle relaxation

Spinal reflex; Imidazoline receptor; Tizanidine (Honda, M. (445) 187)

Naloxone

Morphine; Cannabinoid; SR 141716; Alcohol intake; Sardinian alcohol-preferring (sP) rat (Vacca, G. (445) 55)

Morphine; Naloxone methiodide; Respiration; Withdrawal (Lewanowitsch, T. (445) 61)

Naloxone methiodide

Morphine; Naloxone; Respiration; Withdrawal (Lewanowitsch, T. (445) 61)

Neuropathic pain

Formalin test; Hyperalgesia; Inflammation; Ion channels (Blackburn-Munro, G. (445) 231)

Neutral endopeptidase

RB101; Aminopeptidase N; Enkephalin; Analgesia; C-fibre reflex (Be-noist, J.-M. (445) 201)

Nicotinic acetylcholine receptor

$\alpha 7$ Subunit; Perforated patch-clamp; PC12 cell; GH4C1 cell; Recombinant expression (Virginio, C. (445) 153)

Nitrate

Penile erection; Penile diameter; Cavernous nerve; Electrical stimulation; Tolerance (Adachi, H. (445) 267)

Nitric oxide (NO)

Cholestasis; Nonadrenergic noncholinergic relaxation; Anococcygeus muscle; Opioid; (Rat) (Dehpour, A.R. (445) 31)

NMDA

Spinal analgesia; Biting, scratching, licking (BSL); Septide; [Nphe¹]nociceptin-(1-13)-NH₂ (Villanueva, N. (445) 83)

NMDA receptor antagonist

Antinociception; Endogenous ligand; Opioid; Intrathecal infusion; Paw withdrawal test (Kekesi, G. (445) 93)

Nonadrenergic noncholinergic relaxation

Cholestasis; Anococcygeus muscle; Opioid; Nitric oxide (NO); (Rat) (Dehpour, A.R. (445) 31)

Non-genomic

Tamoxifen; Tamoxifen metabolite; Intestinal muscle; Spasmolytic effect; Ca²⁺ channel (Díaz, M. (445) 257)

Noradrenaline

Locus coeruleus; Dorsal raphe nucleus; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis (Pudovkina, O.L. (445) 37)

Norepinephrine

Formalin test; Tramadol; 5-HT (5-hydroxytryptamine, serotonin); Opioid (Oliva, P. (445) 179)

[Nphe¹]nociceptin-(1-13)-NH₂

Spinal analgesia; Biting, scratching, licking (BSL); Septide; NMDA (Villanueva, N. (445) 83)

Opioid

Cholestasis; Nonadrenergic noncholinergic relaxation; Anococcygeus muscle; Nitric oxide (NO); (Rat) (Dehpour, A.R. (445) 31)

Antinociception; Endogenous ligand; Intrathecal infusion; NMDA receptor antagonist; Paw withdrawal test (Kekesi, G. (445) 93)

Formalin test; Tramadol; 5-HT (5-hydroxytryptamine, serotonin); Norepinephrine (Oliva, P. (445) 179)

Paw withdrawal test

Antinociception; Endogenous ligand; Opioid; Intrathecal infusion; NMDA receptor antagonist (Kekesi, G. (445) 93)

PC12 cell

Nicotinic acetylcholine receptor; $\alpha 7$ Subunit; Perforated patch-clamp; GH4C1 cell; Recombinant expression (Virginio, C. (445) 153)

PD98059

MAP kinase; U0126; Angiotensin II; Endothelin-1; Contraction (Ishihata, A. (445) 247)

Penile diameter

Penile erection; Cavernous nerve; Electrical stimulation; Nitrate; Tolerance (Adachi, H. (445) 267)

Penile erection

Penile diameter; Cavernous nerve; Electrical stimulation; Nitrate; Tolerance (Adachi, H. (445) 267)

Pentoxifylline

Diabetes; Interleukin-10; TNF- α ; BB, rat (Visser, J. (445) 133)

Perforated patch-clamp

Nicotinic acetylcholine receptor; $\alpha 7$ Subunit; PC12 cell; GH4C1 cell; Recombinant expression (Virginio, C. (445) 153)

Pharmacogenetic

Angiotensin-converting enzyme; CYP11B2 (Ortlepp, J.R. (445) 151)

Pharmacokinetic-pharmacodynamic modelling

Hypothermia; Corticosterone; 5-HT_{1A} receptor; Flesinoxan; Handling (Zuideveld, K.P. (445) 43)

Proliferation

Alcohol; Vascular smooth muscle; Cell cycle; Atherosclerosis (Sayeed, S. (445) 163)

RB101

Neutral endopeptidase; Aminopeptidase N; Enkephalin; Analgesia; C-fibre reflex (Benoist, J.-M. (445) 201)

Recombinant expression

Nicotinic acetylcholine receptor; $\alpha 7$ Subunit; Perforated patch-clamp; PC12 cell; GH4C1 cell (Virginio, C. (445) 153)

Respiration

Morphine; Naloxone; Naloxone methiodide; Withdrawal (Lewanowitsch, T. (445) 61)

Sardinian alcohol-preferring (sP) rat

Morphine; Naloxone; Cannabinoid; SR 141716; Alcohol intake (Vacca, G. (445) 55)

Seizures

GABA_B receptor antagonist, SCH 50911; Ethanol withdrawal syndrome; (Rat) (Carai, M.A.M. (445) 195)

Septide

Spinal analgesia; Biting, scratching, licking (BSL); NMDA; [Nphe¹]nociceptin-(1-13)-NH₂ (Villanueva, N. (445) 83)

Serotonin uptake inhibitor

5-Hydroxytryptamine (5-HT, serotonin); Microdialysis; Anti-obesity agent; Amphetamine; Fenfluramine (Tao, R. (445) 69)

SKF 81297

Dopamine; Dopamine D1 receptor; Motor activity; Grooming; Attention-deficit hyperactivity disorder (Heijtz, R.D. (445) 97)

Spasmolytic effect

Tamoxifen; Tamoxifen metabolite; Non-genomic; Intestinal muscle; Ca²⁺ channel (Díaz, M. (445) 257)

Spatial memory

Δ^9 -Tetrahydrocannabinol; 5-HT (5-hydroxytryptamine, serotonin); Hippocampus; DOI (1-(2,5-dimethoxy 4-iodophenyl)-2-amino propane) (Egashira, N. (445) 221)

Spinal analgesia

Biting, scratching, licking (BSL); Septide; NMDA; [Nphe¹]nociceptin-(1-13)-NH₂ (Villanueva, N. (445) 83)

Spinal reflex

Imidazoline receptor; Tizanidine; Muscle relaxation (Honda, M. (445) 187)

SR 141716

Morphine; Naloxone; Cannabinoid; Alcohol intake; Sardinian alcohol-preferring (sP) rat (Vacca, G. (445) 55)

Streptomycin sulphate

Cardiac myocyte; Ion channel (Belus, A. (445) 171)

 $\alpha 7$ Subunit

Nicotinic acetylcholine receptor; Perforated patch-clamp; PC12 cell; GH4C1 cell; Recombinant expression (Virginio, C. (445) 153)

Tamoxifen

Tamoxifen metabolite; Non-genomic; Intestinal muscle; Spasmolytic effect; Ca²⁺ channel (Díaz, M. (445) 257)

Tamoxifen metabolite

Tamoxifen; Non-genomic; Intestinal muscle; Spasmolytic effect; Ca²⁺ channel (Díaz, M. (445) 257)

Tau

Alzheimer's disease; Heparin; β -amyloid; Certoparin; Glycosaminoglycan (Walzer, M. (445) 211)

 Δ^9 -Tetrahydrocannabinol

5-HT (5-hydroxytryptamine, serotonin); Hippocampus; Spatial memory; DOI (1-(2,5-dimethoxy 4-iodophenyl)-2-amino propane) (Egashira, N. (445) 221)

Tizanidine

Spinal reflex; Imidazoline receptor; Muscle relaxation (Honda, M. (445) 187)

TNF- α

Diabetes; Pentoxifylline; Interleukin-10; BB, rat (Visser, J. (445) 133)

Tolerance

Penile erection; Penile diameter; Cavernous nerve; Electrical stimulation; Nitrate (Adachi, H. (445) 267)

Tramadol

Formalin test; 5-HT (5-hydroxytryptamine, serotonin); Norepinephrine; Opioid (Oliva, P. (445) 179)

U0126

MAP kinase; PD98059; Angiotensin II; Endothelin-1; Contraction (Ishihata, A. (445) 247)

Vascular smooth muscle

Alcohol; Proliferation; Cell cycle; Atherosclerosis (Sayeed, S. (445) 163)

Vascular smooth muscle cell

Iso-S-Petasin; L-type Ca²⁺ channel; Intracellular Ca²⁺ concentration; Hypotension (Wang, G.-J. (445) 239)

Withdrawal

Morphine; Naloxone; Naloxone methiodide; Respiration (Lewanowitsch, T. (445) 61)

Zucker rat

Acarbose; GLUT4 trafficking; Insulin resistance (Ledwig, D. (445) 141)