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Adenylyl cyclase

Mutation; G-protein (Green, S.A. (421) 141)

Adrenomedullin

Receptor distribution; [¹²⁵I]human adrenomedullin_{13–52} radioligand (Juaneda, C. (421) R1)

Allopregnanolone

Selected rat line; GABA_A receptor; Progesterone; Pregnanolone; Motor impairment (Korpi, E.R. (421) 31)

Alzheimer's disease

Cholinergic; Huperzine A; Neuromuscular junction; Tacrine; *Xenopus* oocyte (Ros, E. (421) 77)

(–)-Huperzine A; β -Amyloid protein; Amnesia model; Apoptosis; Apoptosis-related protein (Wang, R. (421) 149)

Amnesia model

(–)-Huperzine A; β -Amyloid protein; Alzheimer's disease; Apoptosis; Apoptosis-related protein (Wang, R. (421) 149)

AMPA receptor antagonist

Na⁺ channel blocker; Ischaemia, global; Neuroprotection; BIIR 561 CL (Weiser, T. (421) 165)

β -Amyloid protein

(–)-Huperzine A; Alzheimer's disease; Amnesia model; Apoptosis; Apoptosis-related protein (Wang, R. (421) 149)

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Multidrug resistance; MRP1 (multidrug resistance protein); Efflux; Glutathione (Salerno, M. (421) 1)

Antinociceptive effect

5-HT_{1A} receptors; 8-OH-DPAT; Pain; Formalin test; (Rat) (Bardin, L. (421) 109)

Antiserum against β -endorphin

Tonic pain; Nocifensive response; Formalin-induced; Pain control descending; (Mouse) (Wu, H.-e. (421) 39)

Apoptosis

DIF (differentiation-inducing factor); Caspase; Ca²⁺; Insulin (Fujimaki, S. (421) 93)

(–)-Huperzine A; β -Amyloid protein; Alzheimer's disease; Amnesia model; Apoptosis-related protein (Wang, R. (421) 149)

Apoptosis-related protein

(–)-Huperzine A; β -Amyloid protein; Alzheimer's disease; Amnesia model; Apoptosis (Wang, R. (421) 149)

BIIR 561 CL

AMPA receptor antagonist; Na⁺ channel blocker; Ischaemia, global; Neuroprotection (Weiser, T. (421) 165)

Bile flow

Tauroursodeoxycholate; Phalloidin; Cholestasis; (Rat) (Ishizaki, K. (421) 55)

[(–)-BPAP HCl] (–)-1-(benzofuran-2-yl)-2-propylaminopentane hydrochloride

Parkinson's disease; Catecholaminergic and serotonergic activity enhancer; Reserpine; 6-Hydroxydopamine; (–)-Deprenyl (Shimazu, S. (421) 181)

Bradykinin B₁ receptor

Inflammatory hyperalgesia; p38 stress-activated protein kinase; Interleukin-1 β ; SB203580 (Ganju, P. (421) 191)

Bronchoalveolar lavage

Tachykinin NK₃ receptor; Ovalbumin; Inflammatory cell; Tachykinin; (Mouse) (Nénon, S. (421) 201)

Bronchoalveolar lavage fluid

Non-adrenergic non-cholinergic (NANC) fiber; Lung inflammation; Neutrophil; Ovalbumin; Pleurisy (Medeiros, M.V. (421) 133)

B vitamin

Thiamine; Riboflavin; Pyridoxine; Nociception; Pain (França, D.S. (421) 157)

Ca²⁺

DIF (differentiation-inducing factor); Apoptosis; Caspase; Insulin (Fujimaki, S. (421) 93)

Ca²⁺ channel

Uterus; Hypothyroidism; Nifedipine; Diltiazem (Parija, S.C. (421) 207)

Caspase

DIF (differentiation-inducing factor); Apoptosis; Ca²⁺; Insulin (Fujimaki, S. (421) 93)

Catecholaminergic and serotonergic activity enhancer

Parkinson's disease; [(–)-BPAP HCl] (–)-1-(benzofuran-2-yl)-2-propylaminopentane hydrochloride; Reserpine; 6-Hydroxydopamine; (–)-Deprenyl (Shimazu, S. (421) 181)

Cholestasis

Bile flow; Tauroursodeoxycholate; Phalloidin; (Rat) (Ishizaki, K. (421) 55)

Cholinergic

Alzheimer's disease; Huperzine A; Neuromuscular junction; Tacrine; *Xenopus* oocyte (Ros, E. (421) 77)

Cu²⁺/Zn²⁺ superoxide dismutase, endogenous/exogenous

Duodenum, mouse; Nitric oxide neurotransmission; Nitric oxide (NO); Nitric oxide donor; Hemoglobin; Pyrogallol (Öğülen, N. (421) 121)

DAMGA ((D-Ala², MePhe⁴, Gly⁵-NH₂)- enkephalin)

Endomorphin-1-ol; Endomorphin-2-ol; DAMGO ((D-Ala², MePhe⁴, Gly⁵-ol)-enkephalin); Ileum, guinea-pig; Vas deferens, mouse; β -Funaltrexamine; Receptor constant (Al-Khrasani, M. (421) 61)

DAMGO ((D-Ala², MePhe⁴, Gly⁵-ol)-enkephalin)

Endomorphin-1-ol; Endomorphin-2-ol; DAMGA ((D-Ala², MePhe⁴, Gly⁵-NH₂)- enkephalin); Ileum, guinea-pig; Vas deferens, mouse; β -Funaltrexamine; Receptor constant (Al-Khrasani, M. (421) 61)

Dependence

Phenobarbital; Withdrawal; Stress; Heme oxygenase-1; Heat shock protein 27 (Tanaka, S. (421) 101)

(-)-Deprenyl

Parkinson's disease; [(-)-BPAP HCl] (-)-1-(benzofuran-2-yl)-2-propylaminopentane hydrochloride; Catecholaminergic and serotonergic activity enhancer; Reserpine; 6-Hydroxydopamine (Shimazu, S. (421) 181)

DIF (differentiation-inducing factor)

Apoptosis; Caspase; Ca²⁺; Insulin (Fujimaki, S. (421) 93)

Diltiazem

Uterus; Hypothyroidism; Ca²⁺ channel; Nifedipine (Parija, S.C. (421) 207)

Drug abuse

WIN55212.2; Heroin (Pontieri, F.E. (421) R1)

Duodenum, mouse

Nitrgic neurotransmission; Nitric oxide (NO); Nitric oxide donor; Hemoglobin; Cu²⁺/Zn²⁺ superoxide dismutase, endogenous/exogenous; Pyrogallol (Ögülcener, N. (421) 121)

Efflux

Multidrug resistance; MRP1 (multidrug resistance protein); Anthracycline; Glutathione (Salerno, M. (421) 1)

Endomorphin-1

Endomorphin-2; μ -Opioid receptor; Passive avoidance learning; (Mouse) (Ukai, M. (421) 115)

Endomorphin-2

Endomorphin-1; μ -Opioid receptor; Passive avoidance learning; (Mouse) (Ukai, M. (421) 115)

Endomorphin-1-ol

Endomorphin-2-ol; DAMGO ((D-Ala², MePhe⁴, Gly⁵-ol)-enkephalin); DAMGA ((D-Ala², MePhe⁴, Gly⁵-NH₂)- enkephalin); Ileum, guinea-pig; Vas deferens, mouse; β -Funaltrexamine; Receptor constant (Al-Khrasani, M. (421) 61)

Endomorphin-2-ol

Endomorphin-1-ol; DAMGO ((D-Ala², MePhe⁴, Gly⁵-ol)-enkephalin); DAMGA ((D-Ala², MePhe⁴, Gly⁵-NH₂)- enkephalin); Ileum, guinea-pig; Vas deferens, mouse; β -Funaltrexamine; Receptor constant (Al-Khrasani, M. (421) 61)

Endothelium-dependent relaxation

Hypoxia; Organ culture (Murata, T. (421) 45)

Formalin-induced

Tonic pain; Nocifensive response; Antiserum against β -endorphin; Pain control descending; (Mouse) (Wu, H.-e. (421) 39)

Formalin test

5-HT_{1A} receptors; 8-OH-DPAT; Antinociceptive effect; Pain; (Rat) (Bardin, L. (421) 109)

 β -Funaltrexamine

Endomorphin-1-ol; Endomorphin-2-ol; DAMGO ((D-Ala², MePhe⁴, Gly⁵-ol)-enkephalin); DAMGA ((D-Ala², MePhe⁴, Gly⁵-NH₂)- enkephalin); Ileum, guinea-pig; Vas deferens, mouse; Receptor constant (Al-Khrasani, M. (421) 61)

GABA_A receptor

Selected rat line; Progesterone; Pregnanolone; Motor impairment; Allopregnanolone (Korpi, E.R. (421) 31)

Propofol; Phenol derivative (Mohammadi, B. (421) 85)

Glutamate

SCH 58261; Striatum; Microdialysis (Pintor, A. (421) 177)

Glutathione

Multidrug resistance; MRP1 (multidrug resistance protein); Efflux; Anthracycline (Salerno, M. (421) 1)

G-protein

Mutation; Adenylyl cyclase (Green, S.A. (421) 141)

G protein-linked receptor

Muscarinic receptor; Oligomer; Oligomeric integrity; Sf9 cell (Park, P. (421) 11)

GR125743

5-HT; 5-Hydroxytryptamine; 5-HT_{1B} receptor; Site-directed mutagenesis (Grånäs, C. (421) 69)

Heat shock protein 27

Phenobarbital; Dependence; Withdrawal; Stress; Heme oxygenase-1 (Tanaka, S. (421) 101)

Heme oxygenase-1

Phenobarbital; Dependence; Withdrawal; Stress; Heat shock protein 27 (Tanaka, S. (421) 101)

Hemoglobin

Duodenum, mouse; Nitrgic neurotransmission; Nitric oxide (NO); Nitric oxide donor; Cu²⁺/Zn²⁺ superoxide dismutase, endogenous/exogenous; Pyrogallol (Ögülcener, N. (421) 121)

Heroin

Drug abuse; WIN55212.2 (Pontieri, F.E. (421) R1)

5-HT

5-Hydroxytryptamine; 5-HT_{1B} receptor; Site-directed mutagenesis; GR125743 (Grånäs, C. (421) 69)

5-HT_{1A} receptor

5-HT_{1B} receptor; Knockout mice; Hypothermia (Gardier, A.M. (421) 171)

5-HT_{1A} receptors

8-OH-DPAT; Antinociceptive effect; Pain; Formalin test; (Rat) (Bardin, L. (421) 109)

5-HT_{1B} receptor

5-HT; 5-Hydroxytryptamine; Site-directed mutagenesis; GR125743 (Grånäs, C. (421) 69)

Knockout mice; 5-HT_{1A} receptor; Hypothermia (Gardier, A.M. (421) 171)

Huperzine A

Alzheimer's disease; Cholinergic; Neuromuscular junction; Tacrine; *Xenopus* oocyte (Ros, E. (421) 77)

(–)-Huperzine A

β -Amyloid protein; Alzheimer's disease; Amnesia model; Apoptosis; Apoptosis-related protein (Wang, R. (421) 149)

6-Hydroxydopamine

Parkinson's disease; [(–)-BPAP HCl] (–)-1-(benzofuran-2-yl)-2-propylaminopentane hydrochloride; Catecholaminergic and serotonergic activity enhancer; Reserpine; (–)-Deprenyl (Shimazu, S. (421) 181)

5-Hydroxytryptamine

5-HT; 5-HT_{1B} receptor; Site-directed mutagenesis; GR125743 (Grånäs, C. (421) 69)

Hypertrophy

Nitric oxide (NO); Second messenger; Myocyte; (Rabbit) (Engel, S. (421) 23)

Hypothermia

5-HT_{1B} receptor; Knockout mice; 5-HT_{1A} receptor (Gardier, A.M. (421) 171)

Hypothyroidism

Uterus; Ca²⁺ channel; Nifedipine; Diltiazem (Parija, S.C. (421) 207)

Hypoxia

Organ culture; Endothelium-dependent relaxation (Murata, T. (421) 45)

[¹²⁵I]human adrenomedullin_{13–52} radioligand

Adrenomedullin; Receptor distribution (Juaneda, C. (421) R1)

Ileum, guinea-pig

Endomorphin-1-ol; Endomorphin-2-ol; DAMGO ((D-Ala², MePhe⁴, Gly⁵-ol)-enkephalin); DAMGA ((D-Ala², MePhe⁴, Gly⁵-NH₂)-enkephalin); Vas deferens, mouse; β -Funaltrexamine; Receptor constant (Al-Khrasani, M. (421) 61)

Inflammatory cell

Tachykinin NK₃ receptor; Ovalbumin; Bronchoalveolar lavage; Tachykinin; (Mouse) (Néan, S. (421) 201)

Inflammatory hyperalgesia

p38 stress-activated protein kinase; Interleukin-1 β ; Bradykinin B₁ receptor; SB203580 (Ganju, P. (421) 191)

Insulin

DIF (differentiation-inducing factor); Apoptosis; Caspase; Ca²⁺ (Fujimaki, S. (421) 93)

Interleukin-1 β

Inflammatory hyperalgesia; p38 stress-activated protein kinase; Bradykinin B₁ receptor; SB203580 (Ganju, P. (421) 191)

Ischaemia, global

AMPA receptor antagonist; Na⁺ channel blocker; Neuroprotection; BIIR 561 CL (Weiser, T. (421) 165)

Knockout mice

5-HT_{1B} receptor; 5-HT_{1A} receptor; Hypothermia (Gardier, A.M. (421) 171)

Lung inflammation

Non-adrenergic non-cholinergic (NANC) fiber; Neutrophil; Ovalbumin; Pleurisy; Bronchoalveolar lavage fluid (Medeiros, M.V. (421) 133)

Microdialysis

SCH 58261; Glutamate; Striatum (Pintor, A. (421) 177)

Motor impairment

Selected rat line; GABA_A receptor; Progesterone; Pregnanolone; Allo-pregnanolone (Korpi, E.R. (421) 31)

MRP1 (multidrug resistance protein)

Multidrug resistance; Efflux; Anthracycline; Glutathione (Salerno, M. (421) 1)

Multidrug resistance

MRP1 (multidrug resistance protein); Efflux; Anthracycline; Glutathione (Salerno, M. (421) 1)

Muscarinic receptor

Oligomer; Oligomeric integrity; G protein-linked receptor; Sf9 cell (Park, P. (421) 11)

Mutation

G-protein; Adenylyl cyclase (Green, S.A. (421) 141)

Myocyte

Nitric oxide (NO); Second messenger; Hypertrophy; (Rabbit) (Engel, S. (421) 23)

Na⁺ channel blocker

AMPA receptor antagonist; Ischaemia, global; Neuroprotection; BIIR 561 CL (Weiser, T. (421) 165)

Neuromuscular junction

Alzheimer's disease; Cholinergic; Huperzine A; Tacrine; *Xenopus* oocyte (Ros, E. (421) 77)

Neuroprotection

AMPA receptor antagonist; Na⁺ channel blocker; Ischaemia, global; BIIR 561 CL (Weiser, T. (421) 165)

Neutrophil

Non-adrenergic non-cholinergic (NANC) fiber; Lung inflammation; Ovalbumin; Pleurisy; Bronchoalveolar lavage fluid (Medeiros, M.V. (421) 133)

Nifedipine

Uterus; Hypothyroidism; Ca²⁺ channel; Diltiazem (Parija, S.C. (421) 207)

Nitrgic neurotransmission

Duodenum, mouse; Nitric oxide (NO); Nitric oxide donor; Hemoglobin; Cu²⁺/Zn²⁺ superoxide dismutase, endogenous/exogenous; Pyrogallol (Öğülen, N. (421) 121)

Nitric oxide donor

Duodenum, mouse; Nitrgic neurotransmission; Nitric oxide (NO); Hemoglobin; Cu²⁺/Zn²⁺ superoxide dismutase, endogenous/exogenous; Pyrogallol (Öğülen, N. (421) 121)

Nitric oxide (NO)

Second messenger; Myocyte; Hypertrophy; (Rabbit) (Engel, S. (421) 23)

Duodenum, mouse; Nitrgic neurotransmission; Nitric oxide donor; Hemoglobin; Cu²⁺/Zn²⁺ superoxide dismutase, endogenous/exogenous; Pyrogallol (Öğülen, N. (421) 121)

Nociception

B vitamin; Thiamine; Riboflavin; Pyridoxine; Pain (França, D.S. (421) 157)

Nocifensive response

Tonic pain; Formalin-induced; Antiserum against β -endorphin; Pain control descending; (Mouse) (Wu, H.-e. (421) 39)

Non-adrenergic non-cholinergic (NANC) fiber

Lung inflammation; Neutrophil; Ovalbumin; Pleurisy; Bronchoalveolar lavage fluid (Medeiros, M.V. (421) 133)

8-OH-DPAT

5-HT_{1A} receptors; Antinociceptive effect; Pain; Formalin test; (Rat) (Bardin, L. (421) 109)

Oligomer

Muscarinic receptor; Oligomeric integrity; G protein-linked receptor; Sf9 cell (Park, P. (421) 11)

Oligomeric integrity

Muscarinic receptor; Oligomer; G protein-linked receptor; Sf9 cell (Park, P. (421) 11)

 μ -Opioid receptor

Endomorphin-1; Endomorphin-2; Passive avoidance learning; (Mouse) (Ukai, M. (421) 115)

Organ culture

Hypoxia; Endothelium-dependent relaxation (Murata, T. (421) 45)

Ovalbumin

Non-adrenergic non-cholinergic (NANC) fiber; Lung inflammation; Neutrophil; Pleurisy; Bronchoalveolar lavage fluid (Medeiros, M.V. (421) 133)

Tachykinin NK₃ receptor; Inflammatory cell; Bronchoalveolar lavage; Tachykinin; (Mouse) (Néan, S. (421) 201)

Pain

5-HT_{1A} receptors; 8-OH-DPAT; Antinociceptive effect; Formalin test; (Rat) (Bardin, L. (421) 109)

B vitamin; Thiamine; Riboflavin; Pyridoxine; Nociception (França, D.S. (421) 157)

Pain control descending

Tonic pain; Nocifensive response; Formalin-induced; Antiserum against β -endorphin; (Mouse) (Wu, H.-e. (421) 39)

Parkinson's disease

[(−)-BPAP HCl] (−)-1-(benzofuran-2-yl)-2-propylaminopentane hydrochloride; Catecholaminergic and serotonergic activity enhancer; Reserpine; 6-Hydroxydopamine; (−)-Deprenyl (Shimazu, S. (421) 181)

Passive avoidance learning

Endomorphin-1; Endomorphin-2; μ -Opioid receptor; (Mouse) (Ukai, M. (421) 115)

Phalloidin

Bile flow; Tauroursodeoxycholate; Cholestasis; (Rat) (Ishizaki, K. (421) 55)

Phenobarbital

Dependence; Withdrawal; Stress; Heme oxygenase-1; Heat shock protein 27 (Tanaka, S. (421) 101)

Phenol derivative

GABA_A receptor; Propofol (Mohammadi, B. (421) 85)

Pleurisy

Non-adrenergic non-cholinergic (NANC) fiber; Lung inflammation; Neutrophil; Ovalbumin; Bronchoalveolar lavage fluid (Medeiros, M.V. (421) 133)

Pregnanolone

Selected rat line; GABA_A receptor; Progesterone; Motor impairment; Allopregnanolone (Korpi, E.R. (421) 31)

Progesterone

Selected rat line; GABA_A receptor; Pregnanolone; Motor impairment; Allopregnanolone (Korpi, E.R. (421) 31)

Propofol

GABA_A receptor; Phenol derivative (Mohammadi, B. (421) 85)

p38 stress-activated protein kinase

Inflammatory hyperalgesia; Interleukin-1 β ; Bradykinin B₁ receptor; SB203580 (Ganju, P. (421) 191)

Pyridoxine

B vitamin; Thiamine; Riboflavin; Nociception; Pain (França, D.S. (421) 157)

Pyrogallol

Duodenum, mouse; Nitrergic neurotransmission; Nitric oxide (NO); Nitric oxide donor; Hemoglobin; Cu²⁺/Zn²⁺ superoxide dismutase, endogenous/exogenous (Öğülener, N. (421) 121)

Receptor constant

Endomorphin-1-ol; Endomorphin-2-ol; DAMGO ((D-Ala², MePhe⁴, Gly⁵-ol)-enkephalin); DAMGA ((D-Ala², MePhe⁴, Gly⁵-NH₂)-enkephalin); Ileum, guinea-pig; Vas deferens, mouse; β -Funaltrexamine (Al-Khrasani, M. (421) 61)

Receptor distribution

Adrenomedullin; [¹²⁵I]human adrenomedullin_{13–52} radioligand (Juaneda, C. (421) R1)

Reserpine

Parkinson's disease; [(−)-BPAP HCl] (−)-1-(benzofuran-2-yl)-2-propylaminopentane hydrochloride; Catecholaminergic and serotonergic activity enhancer; 6-Hydroxydopamine; (−)-Deprenyl (Shimazu, S. (421) 181)

Riboflavin

B vitamin; Thiamine; Pyridoxine; Nociception; Pain (França, D.S. (421) 157)

SB203580

Inflammatory hyperalgesia; p38 stress-activated protein kinase; Interleukin-1 β ; Bradykinin B₁ receptor (Ganju, P. (421) 191)

SCH 58261

Glutamate; Striatum; Microdialysis (Pintor, A. (421) 177)

Second messenger

Nitric oxide (NO); Myocyte; Hypertrophy; (Rabbit) (Engel, S. (421) 23)

Selected rat line

GABA_A receptor; Progesterone; Pregnanolone; Motor impairment; Allopregnanolone (Korpi, E.R. (421) 31)

Sf9 cell

Muscarinic receptor; Oligomer; Oligomeric integrity; G protein-linked receptor (Park, P. (421) 11)

Site-directed mutagenesis

5-HT; 5-Hydroxytryptamine; 5-HT_{1B} receptor; GR125743 (Grånäs, C. (421) 69)

Stress

Phenobarbital; Dependence; Withdrawal; Heme oxygenase-1; Heat shock protein 27 (Tanaka, S. (421) 101)

Striatum

SCH 58261; Glutamate; Microdialysis (Pintor, A. (421) 177)

Tachykinin

Tachykinin NK₃ receptor; Ovalbumin; Inflammatory cell; Bronchoalveolar lavage; (Mouse) (Nénan, S. (421) 201)

Tachykinin NK₃ receptor

Ovalbumin; Inflammatory cell; Bronchoalveolar lavage; Tachykinin; (Mouse) (Nénan, S. (421) 201)

Tacrine

Alzheimer's disease; Cholinergic; Huperzine A; Neuromuscular junction; *Xenopus* oocyte (Ros, E. (421) 77)

Tauroursodeoxycholate

Bile flow; Phalloidin; Cholestasis; (Rat) (Ishizaki, K. (421) 55)

Thiamine

B vitamin; Riboflavin; Pyridoxine; Nociception; Pain (França, D.S. (421) 157)

Tonic pain

Nocifensive response; Formalin-induced; Antiserum against β -endorphin; Pain control descending; (Mouse) (Wu, H.-e. (421) 39)

Uterus

Hypothyroidism; Ca²⁺ channel; Nifedipine; Diltiazem (Parija, S.C. (421) 207)

Vas deferens, mouse

Endomorphin-1-ol; Endomorphin-2-ol; DAMGO ((D-Ala², MePhe⁴, Gly⁵-ol)-enkephalin); DAMGA ((D-Ala², MePhe⁴, Gly⁵-NH₂)-enkephalin); Ileum, guinea-pig; β -Funaltrexamine; Receptor constant (Al-Khrasani, M. (421) 61)

WIN55212.2

Drug abuse; Heroin (Pontieri, F.E. (421) R1)

Withdrawal

Phenobarbital; Dependence; Stress; Heme oxygenase-1; Heat shock protein 27 (Tanaka, S. (421) 101)

***Xenopus* oocyte**

Alzheimer's disease; Cholinergic; Huperzine A; Neuromuscular junction; Tacrine (Ros, E. (421) 77)