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β -Amyloid

Lithium chloride; Bcl-2; Alzheimer's disease (Wei, H. (392) 117)

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Arrhythmia

K⁺ channel; Pimozide; HERG (human ether-a-go-go-related gene); Antipsychotic agent (Kang, J. (392) 137)

Atherosclerosis

CTGF (connective tissue growth factor); TGF- β (transforming growth factor β); Apoptosis; Caspase (Hishikawa, K. (392) 19)

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Lithium chloride; β -Amyloid; Alzheimer's disease (Wei, H. (392) 117)

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Imidazoline I₂ receptor ligand; Idazoxan; RX821002; Metrazoline; Tracizoline; Food intake; Water intake (Polidori, C. (392) 41)

B-lymphocyte

[Met⁵]enkephalin; Gender; T-lymphocyte; Proliferation; Opioid receptor (Gabrilovac, J. (392) 101)

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Erythropoietin; Subarachnoid hemorrhage (Buemi, M. (392) 31)

Bronchial asthma

Cytokine; Bronchial hyperresponsiveness; Arachidonic acid metabolite (Nakatani, Y. (392) 175)

Bronchial hyperresponsiveness

Cytokine; Bronchial asthma; Arachidonic acid metabolite (Nakatani, Y. (392) 175)

Ca²⁺

Des-Arg¹⁰-kallidin; FLIPR (fluorometric imaging plate reader); Bradykinin; Non-competitive antagonism; CHO cells (Simpson, P.B. (392) 1)

Capsaicin

Myenteric neuron; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); VIP (Vasoactive intestinal polypeptide); PACAP (Pituitary adenylate cyclase activating peptide); NO (Nitric oxide); Small intestine (Barthó, L. (392) 183)

Caspase

CTGF (connective tissue growth factor); TGF- β (transforming growth factor β); Apoptosis; Atherosclerosis (Hishikawa, K. (392) 19)

Catalase

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Superoxide dismutase (Karasu, Ç. (392) 163)

Catecholamine, 5-hydroxytryptamine, serotonin (5-HT)

Anandamide; Food intake; Diet restriction; Cognitive function; Hippocampus; Hypothalamus; Corticosterone (Hao, S. (392) 147)

Cerebral endothelial cell

Dithiocarbamate; NF- κ B (nuclear factor- κ B); Zn²⁺; (Bovine) (Kim, C.H. (392) 133)

Chemokine

Fractalkine; Chemotaxis; Adhesion; Umbilical vein, human; Endothelial cell (Chapman, G.A. (392) 189)

Chemotaxis

Fractalkine; Chemokine; Adhesion; Umbilical vein, human; Endothelial cell (Chapman, G.A. (392) 189)

CHO cells

Des-Arg¹⁰-kallidin; FLIPR (fluorometric imaging plate reader); Bradykinin; Ca²⁺; Non-competitive antagonism (Simpson, P.B. (392) 1)

Clenbuterol

Agonist; Contractile response (Hudman, D. (392) 79)

Cognitive function

Anandamide; Food intake; Diet restriction; Hippocampus; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

Contractile response

Clenbuterol; Agonist (Hudman, D. (392) 79)

Corticosterone

Anandamide; Food intake; Diet restriction; Cognitive function; Hippocampus; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT) (Hao, S. (392) 147)

CTGF (connective tissue growth factor)

TGF- β (transforming growth factor β); Apoptosis; Caspase; Atherosclerosis (Hishikawa, K. (392) 19)

Cytokine

Bronchial hyperresponsiveness; Bronchial asthma; Arachidonic acid metabolite (Nakatani, Y. (392) 175)

Des-Arg¹⁰-kallidin

FLIPR (fluorometric imaging plate reader); Bradykinin; Ca²⁺; Non-competitive antagonism; CHO cells (Simpson, P.B. (392) 1)

Diet restriction

Anandamide; Food intake; Cognitive function; Hippocampus; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

Dithiocarbamate

Cerebral endothelial cell; NF- κ B (nuclear factor- κ B); Zn²⁺; (Bovine) (Kim, C.H. (392) 133)

Dopamine

Dopamine D₃ receptor; (+)-PD128,907; Motor activity; Postnatal development (Heijtz, R.D. (392) 35)

Dopamine D₂-like receptor

[³⁵S]GTP γ S binding, agonist-stimulated; Quinpirole; Monoamine oxidase inhibitor; Striatum; (Rat) (Gilliland, S.L. (392) 125)

Dopamine D₃ receptor

Dopamine; (+)-PD128,907; Motor activity; Postnatal development (Heijtz, R.D. (392) 35)

DPDPE (c[D-Pen²,D-Pen⁵]enkephalin)

G protein γ_2 subunit; Antinociception (Hosohata, K. (392) R9)

Drug interaction

Hypoglycemic agent; Nateglinide; Noncompetitive inhibition; Peptide transporter (Terada, T. (392) 11)

Ear swelling test, mouse

Phosphodiesterase 4 inhibitor; RPR 73401; Allergic dermatitis; Interleukin-4 (Ehinger, A.M. (392) 93)

 β -Endorphin

Pain; Antinociception; Sex difference; Gonadectomy, adult (Krzanowska, E.K. (392) 157)

Endothelial cell

Fractalkine; Chemokine; Chemotaxis; Adhesion; Umbilical vein, human (Chapman, G.A. (392) 189)

Endothelium

Thapsigargin; Nitric oxide (NO); K⁺ channel; Relaxation; Aorta; (Rat) (Huang, Y. (392) 51)

Stroke-prone spontaneously hypertensive rats (SHRSP); Pulmonary artery; α -Adrenoceptors; Nitric oxide (NO) (Matsuda, K. (392) 61)

Endothelium-dependent relaxation

Aorta; Streptozotocin-diabetes; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Endothelium-independent relaxation

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Erythropoietin

Subarachnoid hemorrhage; Brain (Buemi, M. (392) 31)

Estrogen

Nitric oxide (NO); Gastric mucus (Morschl, É. (392) R5)

FLIPR (fluorometric imaging plate reader)

Des-Arg¹⁰-kallidin; Bradykinin; Ca²⁺; Non-competitive antagonism; CHO cells (Simpson, P.B. (392) 1)

Food intake

Imidazoline I₂ receptor ligand; Idazoxan; RX821002; Metrazoline; Benazoline; Tracizoline; Water intake (Polidori, C. (392) 41)

Anandamide; Diet restriction; Cognitive function; Hippocampus; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

Fractalkine

Chemokine; Chemotaxis; Adhesion; Umbilical vein, human; Endothelial cell (Chapman, G.A. (392) 189)

Gastric mucin biosynthesis

HGF (hepatocyte growth factor); HGF receptor; (Rat) (Ichikawa, T. (392) 87)

Gastric mucus

Nitric oxide (NO); Estrogen (Morschl, É. (392) R5)

Gastrointestinal transit

Momordin Ic; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₂ receptor; Prostaglandin (Li, Y. (392) 71)

Gender

[Met⁵]enkephalin; T-lymphocyte; B-lymphocyte; Proliferation; Opioid receptor (Gabrilovac, J. (392) 101)

Gonadectomy, adult

Pain; Antinociception; Sex difference; β -Endorphin (Krzanowska, E.K. (392) 157)

G protein γ_2 subunit

DPDPE (c[D-Pen²,D-Pen⁵]enkephalin); Antinociception (Hosohata, K. (392) R9)

HERG (human ether-a-go-go-related gene)

K⁺ channel; Pimozide; Arrhythmia; Antipsychotic agent (Kang, J. (392) 137)

HGF (hepatocyte growth factor)

Gastric mucin biosynthesis; HGF receptor; (Rat) (Ichikawa, T. (392) 87)

HGF receptor

HGF (hepatocyte growth factor); Gastric mucin biosynthesis; (Rat) (Ichikawa, T. (392) 87)

Hippocampus

Anandamide; Food intake; Diet restriction; Cognitive function; Hypothalamus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

Histamine H₃ receptor

Acetylcholine release; Stomach; Pertussis toxin (Yokotani, K. (392) 23)

5-HT (5-hydroxytryptamine, serotonin)

Momordin Ic; Gastrointestinal transit; 5-HT₂ receptor; Prostaglandin (Li, Y. (392) 71)

5-HT₂ receptor

Momordin Ic; Gastrointestinal transit; 5-HT (5-hydroxytryptamine, serotonin); Prostaglandin (Li, Y. (392) 71)

Hydrogen peroxide

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Hyperalgesia

Protein kinase, cGMP-dependent; *N*-methyl-D-aspartate (NMDA); Nitric oxide (NO); Nociception; Spinal cord; Pain (Tao, Y.-X. (392) 141)

Hypoglycemic agent

Drug interaction; Nateglinide; Noncompetitive inhibition; Peptide transporter (Terada, T. (392) 11)

Hypothalamus

Anandamide; Food intake; Diet restriction; Cognitive function; Hippocampus; Catecholamine, 5-hydroxytryptamine, serotonin (5-HT); Corticosterone (Hao, S. (392) 147)

Idazoxan

Imidazoline I₂ receptor ligand; RX821002; Metrazoline; Benazoline; Tracizoline; Food intake; Water intake (Polidori, C. (392) 41)

Imidazoline I₂ receptor ligand

Idazoxan; RX821002; Metrazoline; Benazoline; Tracizoline; Food intake; Water intake (Polidori, C. (392) 41)

Inflammation

Leukocyte; Ropivacaine (Zhang, X.W. (392) R1)

Interleukin-4

Phosphodiesterase 4 inhibitor; RPR 73401; Allergic dermatitis; Ear swelling test, mouse (Ehinger, A.M. (392) 93)

K⁺ channel

Thapsigargin; Nitric oxide (NO); Endothelium; Relaxation; Aorta; (Rat) (Huang, Y. (392) 51)

Pimozide; HERG (human ether-a-go-go-related gene); Arrhythmia; Antipsychotic agent (Kang, J. (392) 137)

Leukocyte

Inflammation; Ropivacaine (Zhang, X.W. (392) R1)

Lipopolysaccharide

Selectin; Sialyl Lewis X; Acute lung injury (Hayashi, H. (392) 109)

Lithium chloride

β -Amyloid; Bcl-2; Alzheimer's disease (Wei, H. (392) 117)

[Met⁵]enkephalin

Gender; T-lymphocyte; B-lymphocyte; Proliferation; Opioid receptor (Gabrilovac, J. (392) 101)

Methylene methylimino linkage

Antisense; Platelet-derived growth factor A-chain; Spontaneously hypertensive rat (SHR); Smooth muscle cell, vascular (Kishioka, H. (392) 129)

Metrazoline

Imidazoline I₂ receptor ligand; Idazoxan; RX821002; Benazoline; Tracizoline; Food intake; Water intake (Polidori, C. (392) 41)

Momordin Ic

Gastrointestinal transit; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₂ receptor; Prostaglandin (Li, Y. (392) 71)

Monoamine oxidase inhibitor

[³⁵S]GTP γ S binding, agonist-stimulated; Dopamine D₂-like receptor; Quinpirole; Striatum; (Rat) (Gilliland, S.L. (392) 125)

Motor activity

Dopamine; Dopamine D₃ receptor; (+)-PD128,907; Postnatal development (Heijtz, R.D. (392) 35)

Myenteric neuron

Capsaicin; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); VIP (Vasoactive intestinal polypeptide); PACAP (Pituitary adenylate cyclase activating peptide); NO (Nitric oxide); Small intestine (Barthó, L. (392) 183)

Nateglinide

Drug interaction; Hypoglycemic agent; Noncompetitive inhibition; Peptide transporter (Terada, T. (392) 11)

NF- κ B (nuclear factor- κ B)

Cerebral endothelial cell; Dithiocarbamate; Zn^{2+} ; (Bovine) (Kim, C.H. (392) 133)

Nitric oxide (NO)

Thapsigargin; Endothelium; K^+ channel; Relaxation; Aorta; (Rat) (Huang, Y. (392) 51)

Stroke-prone spontaneously hypertensive rats (SHRSP); Pulmonary artery; α -Adrenoceptors; Endothelium (Matsuda, K. (392) 61)

Protein kinase, cGMP-dependent; *N*-methyl-D-aspartate (NMDA); Nociception; Spinal cord; Hyperalgesia; Pain (Tao, Y.-X. (392) 141)

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Superoxide; Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Gastric mucus; Estrogen (Morschl, É. (392) R5)

***N*-methyl-D-aspartate (NMDA)**

Protein kinase, cGMP-dependent; Nitric oxide (NO); Nociception; Spinal cord; Hyperalgesia; Pain (Tao, Y.-X. (392) 141)

Nociception

Protein kinase, cGMP-dependent; *N*-methyl-D-aspartate (NMDA); Nitric oxide (NO); Spinal cord; Hyperalgesia; Pain (Tao, Y.-X. (392) 141)

Non-competitive antagonism

Des-Arg¹⁰-kallidin; FLIPR (fluorometric imaging plate reader); Bradykinin; Ca^{2+} ; CHO cells (Simpson, P.B. (392) 1)

Noncompetitive inhibition

Drug interaction; Hypoglycemic agent; Nateglinide; Peptide transporter (Terada, T. (392) 11)

NO (Nitric oxide)

Capsaicin; Myenteric neuron; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); VIP (Vasoactive intestinal polypeptide); PACAP (Pituitary adenylate cyclase activating peptide); Small intestine (Barthó, L. (392) 183)

Opioid receptor

[Met⁵]enkephalin; Gender; T-lymphocyte; B-lymphocyte; Proliferation (Gabrilovac, J. (392) 101)

PACAP (Pituitary adenylate cyclase activating peptide)

Capsaicin; Myenteric neuron; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); VIP (Vasoactive intestinal polypeptide); NO (Nitric oxide); Small intestine (Barthó, L. (392) 183)

Pain

Protein kinase, cGMP-dependent; *N*-methyl-D-aspartate (NMDA); Nitric oxide (NO); Nociception; Spinal cord; Hyperalgesia (Tao, Y.-X. (392) 141)

Antinociception; Sex difference; Gonadectomy, adult; β -Endorphin (Krzanowska, E.K. (392) 157)

(+)-PD128,907

Dopamine; Dopamine D₃ receptor; Motor activity; Postnatal development (Heijtz, R.D. (392) 35)

Peptide transporter

Drug interaction; Hypoglycemic agent; Nateglinide; Noncompetitive inhibition (Terada, T. (392) 11)

Pertussis toxin

Acetylcholine release; Stomach; Histamine H₃ receptor (Yokotani, K. (392) 23)

Phosphodiesterase 4 inhibitor

RPR 73401; Allergic dermatitis; Ear swelling test, mouse; Interleukin-4 (Ehinger, A.M. (392) 93)

Pimozide

K^+ channel; HERG (human ether-a-go-go-related gene); Arrhythmia; Antipsychotic agent (Kang, J. (392) 137)

Platelet-derived growth factor A-chain

Methylene methylimino linkage; Antisense; Spontaneously hypertensive rat (SHR); Smooth muscle cell, vascular (Kishioka, H. (392) 129)

Postnatal development

Dopamine; Dopamine D₃ receptor; (+)-PD128,907; Motor activity (Heijtz, R.D. (392) 35)

PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid)

Capsaicin; Myenteric neuron; VIP (Vasoactive intestinal polypeptide); PACAP (Pituitary adenylate cyclase activating peptide); NO (Nitric oxide); Small intestine (Barthó, L. (392) 183)

Proliferation

[Met⁵]enkephalin; Gender; T-lymphocyte; B-lymphocyte; Opioid receptor (Gabrilovac, J. (392) 101)

Prostaglandin

Momordin Ic; Gastrointestinal transit; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₂ receptor (Li, Y. (392) 71)

Protein kinase, cGMP-dependent

N-methyl-D-aspartate (NMDA); Nitric oxide (NO); Nociception; Spinal cord; Hyperalgesia; Pain (Tao, Y.-X. (392) 141)

Pulmonary artery

Stroke-prone spontaneously hypertensive rats (SHRSP); α -Adrenoceptors; Nitric oxide (NO); Endothelium (Matsuda, K. (392) 61)

Quinpirole

[³⁵S]GTP γ S binding, agonist-stimulated; Dopamine D₂-like receptor; Monoamine oxidase inhibitor; Striatum; (Rat) (Gilliland, S.L. (392) 125)

Relaxation

Thapsigargin; Nitric oxide (NO); Endothelium; K^+ channel; Aorta; (Rat) (Huang, Y. (392) 51)

Ropivacaine

Inflammation; Leukocyte (Zhang, X.W. (392) R1)

RPR 73401

Phosphodiesterase 4 inhibitor; Allergic dermatitis; Ear swelling test, mouse; Interleukin-4 (Ehinger, A.M. (392) 93)

RX821002

Imidazoline I₂ receptor ligand; Idazoxan; Metrazoline; Benazoline; Tracizoline; Food intake; Water intake (Polidori, C. (392) 41)

Selectin

Sialyl Lewis X; Acute lung injury; Lipopolysaccharide (Hayashi, H. (392) 109)

Sex difference

Pain; Antinociception; Gonadectomy, adult; β -Endorphin (Krzanowska, E.K. (392) 157)

[³⁵S]GTP γ S binding, agonist-stimulated

Dopamine D₂-like receptor; Quinpirole; Monoamine oxidase inhibitor; Striatum; (Rat) (Gilliland, S.L. (392) 125)

Sialyl Lewis X

Selectin; Acute lung injury; Lipopolysaccharide (Hayashi, H. (392) 109)

Small intestine

Capsaicin; Myenteric neuron; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); VIP (Vasoactive intestinal polypeptide); PACAP (Pituitary adenylate cyclase activating peptide); NO (Nitric oxide) (Barthó, L. (392) 183)

Smooth muscle cell, vascular

Methylene methylimino linkage; Antisense; Platelet-derived growth factor A-chain; Spontaneously hypertensive rat (SHR) (Kishioka, H. (392) 129)

Spinal cord

Protein kinase, cGMP-dependent; *N*-methyl-D-aspartate (NMDA); Nitric oxide (NO); Nociception; Hyperalgesia; Pain (Tao, Y.-X. (392) 141)

Spontaneously hypertensive rat (SHR)

Methylene methylimino linkage; Antisense; Platelet-derived growth factor A-chain; Smooth muscle cell, vascular (Kishioka, H. (392) 129)

Stomach

Acetylcholine release; Histamine H₃ receptor; Pertussis toxin (Yokotani, K. (392) 23)

Streptozotocin-diabetes

Aorta; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Striatum

[³⁵S]GTP γ S binding, agonist-stimulated; Dopamine D₂-like receptor; Quinpirole; Monoamine oxidase inhibitor; (Rat) (Gilliland, S.L. (392) 125)

Stroke-prone spontaneously hypertensive rats (SHRSP)

Pulmonary artery; α -Adrenoceptors; Nitric oxide (NO); Endothelium (Matsuda, K. (392) 61)

Subarachnoid hemorrhage

Erythropoietin; Brain (Buemi, M. (392) 31)

Superoxide

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Hydrogen peroxide; Superoxide dismutase; Catalase (Karasu, Ç. (392) 163)

Superoxide dismutase

Aorta; Streptozotocin-diabetes; Endothelium-dependent relaxation; Endothelium-independent relaxation; Nitric oxide (NO); Superoxide; Hydrogen peroxide; Catalase (Karasu, Ç. (392) 163)

TGF- β (transforming growth factor β)

CTGF (connective tissue growth factor); Apoptosis; Caspase; Atherosclerosis (Hishikawa, K. (392) 19)

Thapsigargin

Nitric oxide (NO); Endothelium; K⁺ channel; Relaxation; Aorta; (Rat) (Huang, Y. (392) 51)

T-lymphocyte

[Met⁵]enkephalin; Gender; B-lymphocyte; Proliferation; Opioid receptor (Gabrilovac, J. (392) 101)

Tracizoline

Imidazoline I₂ receptor ligand; Idazoxan; RX821002; Metrazoline; Benazoline; Food intake; Water intake (Polidori, C. (392) 41)

Umbilical vein, human

Fractalkine; Chemokine; Chemotaxis; Adhesion; Endothelial cell (Chapman, G.A. (392) 189)

VIP (Vasoactive intestinal polypeptide)

Capsaicin; Myenteric neuron; PPADS (Pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid); PACAP (Pituitary adenylate cyclase activating peptide); NO (Nitric oxide); Small intestine (Barthó, L. (392) 183)

Water intake

Imidazoline I₂ receptor ligand; Idazoxan; RX821002; Metrazoline; Benazoline; Tracizoline; Food intake (Polidori, C. (392) 41)

Zn²⁺

Cerebral endothelial cell; Dithiocarbamate; NF- κ B (nuclear factor- κ B); (Bovine) (Kim, C.H. (392) 133)