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A-315456

Adrenoceptor subtype; α_{1D} -Adrenoceptor antagonist; BMY-7378; SNAP-8719 (Buckner, S.A. (433) 123)

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Acetylcholine

Phospholipase D; Phosphatidylinositol 3-kinase; Airway smooth muscle; RhoA (Mamoon, A.M. (433) 7)

β -Adrenoceptor

(S)-[¹¹C]CGP12388; PET (positron emission tomography) (Elsinga, P.H. (433) 173)

β_2 -Adrenoceptor

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α_{1D} -Adrenoceptor antagonist

Adrenoceptor subtype; A-315456; BMY-7378; SNAP-8719 (Buckner, S.A. (433) 123)

Adrenoceptor subtype

α_{1D} -Adrenoceptor antagonist; A-315456; BMY-7378; SNAP-8719 (Buckner, S.A. (433) 123)

Aerosol

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Tachykinin NK₃ receptor; Microvascular leakage (Daoui, S. (433) 199)

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Allergic pulmonary inflammation

Brown Norway (rats); Ovalbumin; Phosphatidylinositol-3-kinase; Wortmannin (Tigani, B. (433) 217)

Alopecia

Apoptosis; Fas; Etoposide; Caspase-3; Hepatitis (Tsuda, T. (433) 37)

Anti-inflammatory drug

Aspirin; Prostaglandin biosynthesis (Amann, R. (433) 129)

Antipsychotic

Inverse agonism; 5-HT_{1A} receptor; [³⁵S] GTP γ S binding; HA7 cell (Cosi, C. (433) 55)

Anxiety

MDMA (3,4-methylenedioxymethamphetamine); Ecstasy; Neurotoxicity; Memory; (Rat) (Morley, K.C. (433) 91)

Apocynin

Neutrophil; NADPH oxidase; Reactive oxygen species; Respiratory burst (Van den Worm, E. (433) 225)

Apomorphine

Dopamine; Phenylethylamine; Pergolide; Insulin receptor substrate; Phosphorylation; Breast cancer cell; (Human) (Chiarenza, A. (433) 47)

Apoptosis

N-ethylmaleimide; Reactive oxygen species; NADPH oxidase; K⁺, Cl⁻ cotransport; HepG2 cell (Kim, J.-A. (433) 1)

Neutrophil, circulating blood; Neutrophil, tissue; Transcription factor (Hotta, K. (433) 17)

Fas; Etoposide; Caspase-3; Hepatitis; Alopecia (Tsuda, T. (433) 37)

Caspase; β -Catenin; p38; Polycystic kidney disease; Okadaic acid (Wong, V.Y. (433) 135)

Arterial thrombosis

Bleeding time; 5-HT (5-hydroxytryptamine, serotonin); Platelet aggregation; Vascular contraction (Kihara, H. (433) 157)

Arteriosclerosis

Transplantation; Tranilast; Smooth muscle cell; Proliferation (Saiura, A. (433) 163)

Aspirin

Anti-inflammatory drug; Prostaglandin biosynthesis (Amann, R. (433) 129)

Bleeding time

Arterial thrombosis; 5-HT (5-hydroxytryptamine, serotonin); Platelet aggregation; Vascular contraction (Kihara, H. (433) 157)

BMY-7378

Adrenoceptor subtype; α_{1D} -Adrenoceptor antagonist; A-315456; SNAP-8719 (Buckner, S.A. (433) 123)

Body temperature

Cholinesterase inhibition; Gonadectomy; Pilocarpine; Rivastigmine; Testosterone (Wang, R.-H. (433) 73)

Bradykinin

Vasodilation; Endothelium dependent; Thromboxane A₂; CGRP (calcitonin gene-related peptide); Mesenteric resistance artery, (Rat) (Nawa, H. (433) 105)

Breast cancer cell

Dopamine; Apomorphine; Phenylethylamine; Pergolide; Insulin receptor substrate; Phosphorylation; (Human) (Chiarenza, A. (433) 47)

Brown Norway (rats)

Allergic pulmonary inflammation; Ovalbumin; Phosphatidylinositol-3-kinase; Wortmannin (Tigani, B. (433) 217)

cAMP

G protein-coupled receptor; Neurotensin receptor 1; Mutagenesis; Inositol phosphate; Transduction, impaired (Richard, F. (433) 63)

Caspase-3

Apoptosis; Fas; Etoposide; Hepatitis; Alopecia (Tsuda, T. (433) 37)

Caspase

Apoptosis; β -Catenin; p38; Polycystic kidney disease; Okadaic acid (Wong, V.Y. (433) 135)

Catecholamine

Haloperidol; Working memory; Reserpine; Yohimbine; (Monkey) (Ou, L.Y. (433) 151)

 β -Catenin

Apoptosis; Caspase; p38; Polycystic kidney disease; Okadaic acid (Wong, V.Y. (433) 135)

CGP 46381

GABA_B receptor antagonist; SCH 50911; CGP 52432; Locomotor activity; Haloperidol; Mesocorticolimbic dopamine system; (Mouse) (Colombo, G. (433) 101)

CGP 52432

GABA_B receptor antagonist; SCH 50911; CGP 46381; Locomotor activity; Haloperidol; Mesocorticolimbic dopamine system; (Mouse) (Colombo, G. (433) 101)

CGRP (calcitonin gene-related peptide)

Bradykinin; Vasodilation; Endothelium dependent; Thromboxane A₂; Mesenteric resistance artery, (Rat) (Nawa, H. (433) 105)

Cholinesterase inhibition

Body temperature; Gonadectomy; Pilocarpine; Rivastigmine; Testosterone (Wang, R.-H. (433) 73)

Contraction spontaneous

5-HT₇ receptor; β_2 -Adrenoceptor; Uterus porcine; Relaxation (Kitazawa, T. (433) 187)

Cytochrome P450 2E1

Acetaminophen; Hepatotoxicity; Heat shock protein; S-allylmercaptocysteine; Garlic (Sumioka, I. (433) 177)

Desensitization

RGS4 (regulator of G-protein signaling); Opioid receptor; PC12 cell; Opioid receptor agonist (Nakagawa, T. (433) 29)

DOI

Flibanserin; Learned helplessness; WAY100135; Tertatolol; pCPA (parachlorophenylalanine); SCH 23390; Naloxone; (Rat) (Borsini, F. (433) 81)

Dopamine

Apomorphine; Phenylethylamine; Pergolide; Insulin receptor substrate; Phosphorylation; Breast cancer cell; (Human) (Chiarenza, A. (433) 47)

Dynamics, nonlinear

Ethanol; Heart rate (Bennett, A.J. (433) 169)

Ecstasy

MDMA (3,4-methylenedioxymethamphetamine); Anxiety; Neurotoxicity; Memory; (Rat) (Morley, K.C. (433) 91)

Electrical field stimulation

Histamine H₃ receptor; Receptor heterogeneity; Radioligand binding; Ileum, guinea pig (Ireland-Denny, L. (433) 141)

Endothelium dependent

Bradykinin; Vasodilation; Thromboxane A₂; CGRP (calcitonin gene-related peptide); Mesenteric resistance artery, (Rat) (Nawa, H. (433) 105)

Ethanol

Heart rate; Dynamics, nonlinear (Bennett, A.J. (433) 169)

Etoposide

Apoptosis; Fas; Caspase-3; Hepatitis; Alopecia (Tsuda, T. (433) 37)

Fas

Apoptosis; Etoposide; Caspase-3; Hepatitis; Alopecia (Tsuda, T. (433) 37)

Flibanserin

Learned helplessness; WAY100135; Tertatolol; DOI; pCPA (parachlorophenylalanine); SCH 23390; Naloxone; (Rat) (Borsini, F. (433) 81)

GABA_B receptor antagonist

SCH 50911; CGP 46381; CGP 52432; Locomotor activity; Haloperidol; Mesocorticolimbic dopamine system; (Mouse) (Colombo, G. (433) 101)

Garlic

Acetaminophen; Hepatotoxicity; Cytochrome P450 2E1; Heat shock protein; S-allylmercaptocysteine (Sumioka, I. (433) 177)

Geniposide

Permeability; Tight junction; Aerosol; Ovalbumin (Liaw, J. (433) 115)

Gonadectomy

Body temperature; Cholinesterase inhibition; Pilocarpine; Rivastigmine; Testosterone (Wang, R.-H. (433) 73)

G protein-coupled receptor

Neurotensin receptor 1; Mutagenesis; Inositol phosphate; cAMP; Transduction, impaired (Richard, F. (433) 63)

HA7 cell

Inverse agonism; Antipsychotic; 5-HT_{1A} receptor; [³⁵S] GTP γ S binding (Cosi, C. (433) 55)

Haloperidol

GABA_B receptor antagonist; SCH 50911; CGP 46381; CGP 52432; Locomotor activity; Mesocorticolimbic dopamine system; (Mouse) (Colombo, G. (433) 101)

Heart rate

Ethanol; Dynamics, nonlinear (Bennett, A.J. (433) 169)

Heat shock protein

Acetaminophen; Hepatotoxicity; Cytochrome P450 2E1; S-allylmercaptocysteine; Garlic (Sumioka, I. (433) 177)

Hepatitis

Apoptosis; Fas; Etoposide; Caspase-3; Alopecia (Tsuda, T. (433) 37)

Hepatotoxicity

Acetaminophen; Cytochrome *P*450 2E1; Heat shock protein; *S*-allylmercaptocysteine; Garlic (Sumioka, I. (433) 177)

HepG2 cell

N-ethylmaleimide; Reactive oxygen species; Apoptosis; NADPH oxidase; K⁺, Cl⁻-cotransport (Kim, J.-A. (433) 1)

Histamine H₃ receptor

Receptor heterogeneity; Radioligand binding; Ileum, guinea pig; Electrical field stimulation (Ireland-Denny, L. (433) 141)

5-HT (5-hydroxytryptamine, serotonin)

Arterial thrombosis; Bleeding time; Platelet aggregation; Vascular contraction (Kihara, H. (433) 157)

5-HT_{1A} receptor

Inverse agonism; Antipsychotic; [³⁵S] GTPγS binding; HA7 cell (Cosi, C. (433) 55)

5-HT₇ receptor

β₂-Adrenoceptor; Uterus porcine; Contraction spontaneous; Relaxation (Kitazawa, T. (433) 187)

Huperzine A

Catecholamine; Working memory; Reserpine; Yohimbine; (Monkey) (Ou, L.Y. (433) 151)

Ileum, guinea pig

Histamine H₃ receptor; Receptor heterogeneity; Radioligand binding; Electrical field stimulation (Ireland-Denny, L. (433) 141)

Inositol phosphate

G protein-coupled receptor; Neurotensin receptor 1; Mutagenesis; cAMP; Transduction, impaired (Richard, F. (433) 63)

Insulin receptor substrate

Dopamine; Apomorphine; Phenylethylamine; Pergolide; Phosphorylation; Breast cancer cell; (Human) (Chiarenza, A. (433) 47)

Inverse agonism

Antipsychotic; 5-HT_{1A} receptor; [³⁵S] GTPγS binding; HA7 cell (Cosi, C. (433) 55)

K⁺, Cl⁻-cotransport

N-ethylmaleimide; Reactive oxygen species; Apoptosis; NADPH oxidase; HepG2 cell (Kim, J.-A. (433) 1)

Learned helplessness

Flibanserin; WAY100135; Tertatolol; DOI; pCPA (parachlorophenylalanine); SCH 23390; Naloxone; (Rat) (Borsini, F. (433) 81)

Locomotor activity

GABA_B receptor antagonist; SCH 50911; CGP 46381; CGP 52432; Haloperidol; Mesocorticolimbic dopamine system; (Mouse) (Colombo, G. (433) 101)

Lung injury, acute

Methylprednisolone; Oleic acid; Secretory phospholipase A₂; Surfactant (Kuwabara, K. (433) 209)

MDMA (3,4-methylenedioxymethamphetamine)

Ecstasy; Anxiety; Neurotoxicity; Memory; (Rat) (Morley, K.C. (433) 91)

Memory

MDMA (3,4-methylenedioxymethamphetamine); Ecstasy; Anxiety; Neurotoxicity; (Rat) (Morley, K.C. (433) 91)

Mesenteric resistance artery, (Rat)

Bradykinin; Vasodilation; Endothelium dependent; Thromboxane A₂; CGRP (calcitonin gene-related peptide) (Nawa, H. (433) 105)

Mesocorticolimbic dopamine system

GABA_B receptor antagonist; SCH 50911; CGP 46381; CGP 52432; Locomotor activity; Haloperidol; (Mouse) (Colombo, G. (433) 101)

Methylprednisolone

Lung injury, acute; Oleic acid; Secretory phospholipase A₂; Surfactant (Kuwabara, K. (433) 209)

Microvascular leakage

Tachykinin NK₃ receptor; Airway (Daoui, S. (433) 199)

Mutagenesis

G protein-coupled receptor; Neurotensin receptor 1; Inositol phosphate; cAMP; Transduction, impaired (Richard, F. (433) 63)

NADPH oxidase

N-ethylmaleimide; Reactive oxygen species; Apoptosis; K⁺, Cl⁻-cotransport; HepG2 cell (Kim, J.-A. (433) 1)

Apocynin; Neutrophil; Reactive oxygen species; Respiratory burst (Van den Worm, E. (433) 225)

Naloxone

Flibanserin; Learned helplessness; WAY100135; Tertatolol; DOI; pCPA (parachlorophenylalanine); SCH 23390; (Rat) (Borsini, F. (433) 81)

***N*-ethylmaleimide**

Reactive oxygen species; Apoptosis; NADPH oxidase; K⁺, Cl⁻-cotransport; HepG2 cell (Kim, J.-A. (433) 1)

Neurotensin receptor 1

G protein-coupled receptor; Mutagenesis; Inositol phosphate; cAMP; Transduction, impaired (Richard, F. (433) 63)

Neurotoxicity

MDMA (3,4-methylenedioxymethamphetamine); Ecstasy; Anxiety; Memory; (Rat) (Morley, K.C. (433) 91)

Neutrophil

Apocynin; NADPH oxidase; Reactive oxygen species; Respiratory burst (Van den Worm, E. (433) 225)

Neutrophil, circulating blood

Neutrophil, tissue; Apoptosis; Transcription factor (Hotta, K. (433) 17)

Neutrophil, tissue

Neutrophil, circulating blood; Apoptosis; Transcription factor (Hotta, K. (433) 17)

Okadaic acid

Apoptosis; Caspase; β-Catenin; p38; Polycystic kidney disease (Wong, V.Y. (433) 135)

Oleic acid

Lung injury, acute; Methylprednisolone; Secretory phospholipase A₂; Surfactant (Kuwabara, K. (433) 209)

Opioid receptor

RGS4 (regulator of G-protein signaling); PC12 cell; Opioid receptor agonist; Desensitization (Nakagawa, T. (433) 29)

Opioid receptor agonist

RGS4 (regulator of G-protein signaling); Opioid receptor; PC12 cell; Desensitization (Nakagawa, T. (433) 29)

Ovalbumin

Permeability; Tight junction; Geniposide; Aerosol (Liaw, J. (433) 115)

Allergic pulmonary inflammation; Brown Norway (rats); Phosphatidylinositol-3-kinase; Wortmannin (Tigani, B. (433) 217)

p38

Apoptosis; Caspase; β -Catenin; Polycystic kidney disease; Okadaic acid (Wong, V.Y. (433) 135)

pCPA (parachlorophenylalanine)

Flibanserin; Learned helplessness; WAY100135; Tertatolol; DOI; SCH 23390; Naloxone; (Rat) (Borsini, F. (433) 81)

PC12 cell

RGS4 (regulator of G-protein signaling); Opioid receptor; Opioid receptor agonist; Desensitization (Nakagawa, T. (433) 29)

Pergolide

Dopamine; Apomorphine; Phenylethylamine; Insulin receptor substrate; Phosphorylation; Breast cancer cell; (Human) (Chiarenza, A. (433) 47)

Permeability

Tight junction; Geniposide; Aerosol; Ovalbumin (Liaw, J. (433) 115)

PET (positron emission tomography)

β -Adrenoceptor; (S)-[¹¹C]CGP12388 (Elsinga, P.H. (433) 173)

Phenylethylamine

Dopamine; Apomorphine; Pergolide; Insulin receptor substrate; Phosphorylation; Breast cancer cell; (Human) (Chiarenza, A. (433) 47)

Phosphatidylinositol 3-kinase

Phospholipase D; Acetylcholine; Airway smooth muscle; RhoA (Mamoon, A.M. (433) 7)

Phosphatidylinositol-3-kinase

Allergic pulmonary inflammation; Brown Norway (rats); Ovalbumin; Wortmannin (Tigani, B. (433) 217)

Phospholipase D

Phosphatidylinositol 3-kinase; Acetylcholine; Airway smooth muscle; RhoA (Mamoon, A.M. (433) 7)

Phosphorylation

Dopamine; Apomorphine; Phenylethylamine; Pergolide; Insulin receptor substrate; Breast cancer cell; (Human) (Chiarenza, A. (433) 47)

Pilocarpine

Body temperature; Cholinesterase inhibition; Gonadectomy; Rivastigmine; Testosterone (Wang, R.-H. (433) 73)

Platelet aggregation

Arterial thrombosis; Bleeding time; 5-HT (5-hydroxytryptamine, serotonin); Vascular contraction (Kihara, H. (433) 157)

Polycystic kidney disease

Apoptosis; Caspase; β -Catenin; p38; Okadaic acid (Wong, V.Y. (433) 135)

Proliferation

Transplantation; Arteriosclerosis; Tranilast; Smooth muscle cell (Saiura, A. (433) 163)

Prostaglandin biosynthesis

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Prostaglandin E₂

RANTES; β_2 -Adrenoceptor agonist; Smooth muscle cells, human, airway (Lazzeri, N. (433) 231)

Radioligand binding

Histamine H₃ receptor; Receptor heterogeneity; Ileum, guinea pig; Electrical field stimulation (Ireland-Denny, L. (433) 141)

RANTES

Prostaglandin E₂; β_2 -Adrenoceptor agonist; Smooth muscle cells, human, airway (Lazzeri, N. (433) 231)

Reactive oxygen species

N-ethylmaleimide; Apoptosis; NADPH oxidase; K⁺, Cl⁻-cotransport; HepG2 cell (Kim, J.-A. (433) 1)

Apocynin; Neutrophil; NADPH oxidase; Respiratory burst (Van den Worm, E. (433) 225)

Receptor heterogeneity

Histamine H₃ receptor; Radioligand binding; Ileum, guinea pig; Electrical field stimulation (Ireland-Denny, L. (433) 141)

Relaxation

5-HT₇ receptor; β_2 -Adrenoceptor; Uterus porcine; Contraction spontaneous (Kitazawa, T. (433) 187)

Reserpine

Catecholamine; Huperzine A; Working memory; Yohimbine; (Monkey) (Ou, L.Y. (433) 151)

Respiratory burst

Apocynin; Neutrophil; NADPH oxidase; Reactive oxygen species (Van den Worm, E. (433) 225)

RGS4 (regulator of G-protein signaling)

Opioid receptor; PC12 cell; Opioid receptor agonist; Desensitization (Nakagawa, T. (433) 29)

RhoA

Phospholipase D; Phosphatidylinositol 3-kinase; Acetylcholine; Airway smooth muscle (Mamoon, A.M. (433) 7)

Rivastigmine

Body temperature; Cholinesterase inhibition; Gonadectomy; Pilocarpine; Testosterone (Wang, R.-H. (433) 73)

S-allylmercaptocysteine

Acetaminophen; Hepatotoxicity; Cytochrome P450 2E1; Heat shock protein; Garlic (Sumioka, I. (433) 177)

(S)-[¹¹C]CGP12388

β -Adrenoceptor; PET (positron emission tomography) (Elsinga, P.H. (433) 173)

SCH 23390

Flibanserin; Learned helplessness; WAY100135; Tertatolol; DOI; pCPA (parachlorophenylalanine); Naloxone; (Rat) (Borsini, F. (433) 81)

SCH 50911

GABA_B receptor antagonist; CGP 46381; CGP 52432; Locomotor activity; Haloperidol; Mesocorticolimbic dopamine system; (Mouse) (Colombo, G. (433) 101)

Secretory phospholipase A₂

Lung injury, acute; Methylprednisolone; Oleic acid; Surfactant (Kuwabara, K. (433) 209)

[³⁵S] GTPγS binding

Inverse agonism; Antipsychotic; 5-HT_{1A} receptor; HA7 cell (Cosi, C. (433) 55)

Smooth muscle cell

Transplantation; Arteriosclerosis; Tranilast; Proliferation (Saiura, A. (433) 163)

Smooth muscle cells, human, airway

RANTES; Prostaglandin E₂; β₂-Adrenoceptor agonist (Lazzeri, N. (433) 231)

SNAP-8719

Adrenoceptor subtype; α_{1D}-Adrenoceptor antagonist; A-315456; BMY-7378 (Buckner, S.A. (433) 123)

Surfactant

Lung injury, acute; Methylprednisolone; Oleic acid; Secretory phospholipase A₂ (Kuwabara, K. (433) 209)

Tachykinin NK₃ receptor

Airway; Microvascular leakage (Daoui, S. (433) 199)

Tertatolol

Flibanserin; Learned helplessness; WAY100135; DOI; pCPA (parachlorophenylalanine); SCH 23390; Naloxone; (Rat) (Borsini, F. (433) 81)

Testosterone

Body temperature; Cholinesterase inhibition; Gonadectomy; Pilocarpine; Rivastigmine (Wang, R.-H. (433) 73)

Thromboxane A₂

Bradykinin; Vasodilation; Endothelium dependent; CGRP (calcitonin gene-related peptide); Mesenteric resistance artery, (Rat) (Nawa, H. (433) 105)

Tight junction

Permeability; Geniposide; Aerosol; Ovalbumin (Liaw, J. (433) 115)

Tranilast

Transplantation; Arteriosclerosis; Smooth muscle cell; Proliferation (Saiura, A. (433) 163)

Transcription factor

Neutrophil, circulating blood; Neutrophil, tissue; Apoptosis (Hotta, K. (433) 17)

Transduction, impaired

G protein-coupled receptor; Neurotensin receptor 1; Mutagenesis; Inositol phosphate; cAMP (Richard, F. (433) 63)

Transplantation

Arteriosclerosis; Tranilast; Smooth muscle cell; Proliferation (Saiura, A. (433) 163)

Uterus porcine

5-HT₇ receptor; β₂-Adrenoceptor; Contraction spontaneous; Relaxation (Kitazawa, T. (433) 187)

Vascular contraction

Arterial thrombosis; Bleeding time; 5-HT (5-hydroxytryptamine, serotonin); Platelet aggregation (Kihara, H. (433) 157)

Vasodilation

Bradykinin; Endothelium dependent; Thromboxane A₂; CGRP (calcitonin gene-related peptide); Mesenteric resistance artery, (Rat) (Nawa, H. (433) 105)

WAY100135

Flibanserin; Learned helplessness; Tertatolol; DOI; pCPA (parachlorophenylalanine); SCH 23390; Naloxone; (Rat) (Borsini, F. (433) 81)

Working memory

Catecholamine; Huperzine A; Reserpine; Yohimbine; (Monkey) (Ou, L.Y. (433) 151)

Wortmannin

Allergic pulmonary inflammation; Brown Norway (rats); Ovalbumin; Phosphatidylinositol-3-kinase (Tigani, B. (433) 217)

Yohimbine

Catecholamine; Huperzine A; Working memory; Reserpine; (Monkey) (Ou, L.Y. (433) 151)