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ACAT inhibitor

Atherosclerosis; Plaque; Collagen (Kitayama, K. (539) 81)

Acetylcholine

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Somatostatin; Anti-nociceptive effect; Formalin test; Traumatic mononeuropathy (Sándor, K. (539) 71)

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Depression; SSRI (Selective Serotonin Reuptake Inhibitor); Microdialysis (Beyer, C.E. (539) 164)

(Aged female rat)

Human growth hormone; Resistance exercise; Lipid metabolism (Yang, J.-Y. (539) 99)

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Alveolar bone loss

Pyrrrolidine dithiocarbamate; Nuclear factor- κ B; Reactive oxygen specie; Periodontal disease (Muià, C. (539) 205)

Anaesthetic preconditioning

Xenon; Cardiac preconditioning; Mitochondrial adenosine triphosphate dependent potassium channel; Protein kinase C; 3'Phosphatidylinositol-dependent kinase-1 (Weber, N.C. (539) 1)

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Antiangiogenic agent; 5-S-GAD; Tumor therapy (Nishikawa, T. (539) 151)

Antiangiogenic agent

Angiogenesis; 5-S-GAD; Tumor therapy (Nishikawa, T. (539) 151)

Anticonvulsant drug

Allodynia; Hyperalgesia; Diabetic neuropathy; Neuropathic pain; Lacosamide (Beyreuther, B. (539) 64)

Anti-nociceptive effect

Somatostatin; Formalin test; Adjuvant-induced inflammation; Traumatic mononeuropathy (Sándor, K. (539) 71)

Apical sodium-dependent bile acid transporter

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Fear learning; Memory; Rat; Endocannabinoid (Arenos, J.D. (539) 177)

Atherosclerosis

Plaque; Collagen; ACAT inhibitor (Kitayama, K. (539) 81)

Azithromycin

Lipopolysaccharide; Pulmonary neutrophilia; Septic shock; TNF- α (Ivetić Tkalečević, V. (539) 131)

B₂ receptor

Bradykinin; Peristalsis; Ileum; FR173657; Icatibant (Hoe 140) (Chan, S.K. (539) 108)

Bcl-2

Lithium; Valproate; Cytotoxicity; Cytochrome *c*; Caspase-3; Bipolar disorder (Lai, J.S. (539) 18)

Behavioral assay

Nociceptin/orphanin FQ; NOP receptor; Ac-RYYRIK-ol; Isolated tissue; (Mice) (Gündüz, Ö. (539) 39)

BIBP 3226

Mesenteric artery; Neuropeptide Y; Electrical field stimulation; Noradrenaline; Acetylcholine; (Non-obese diabetic-mice) (Gradin, K.A. (539) 184)

Bipolar disorder

Lithium; Valproate; Cytotoxicity; Cytochrome *c*; Bcl-2; Caspase-3 (Lai, J.S. (539) 18)

Bradykinin

B₂ receptor; Peristalsis; Ileum; FR173657; Icatibant (Hoe 140) (Chan, S.K. (539) 108)

Brucine

Strychnine; Glycine receptor; Nicotinic acetylcholine receptor- α 7 (Jensen, A.A. (539) 27)

Cannabinoid

Opioid; Synergy; Enhanced antinociception (Williams, I.J. (539) 57)

Cardiac preconditioning

Anaesthetic preconditioning; Xenon; Mitochondrial adenosine triphosphate dependent potassium channel; Protein kinase C; 3'Phosphatidylinositol-dependent kinase-1 (Weber, N.C. (539) 1)

Caspase-3

Lithium; Valproate; Cytotoxicity; Cytochrome *c*; Bcl-2; Bipolar disorder (Lai, J.S. (539) 18)

Celecoxib

CIAA; Rofecoxib; COX-2; Peripheral (Okumura, T. (539) 125)

Cholesterol

Apical sodium-dependent bile acid transporter; Enterohepatic circulation; Hypocholesterolemic agent; Monkey; Hamster (Kitayama, K. (539) 89)

Chronic

Inflammation; Acute; Inhibitor; Phospholipase A₂ (Malaviya, R. (539) 195)

CIAA

Celecoxib; Rofecoxib; COX-2; Peripheral (Okumura, T. (539) 125)

Cocaine

Intimin; Type III secretion system; Mucosa-adherent bacterium; Norepinephrine; Enteric nervous system (Chen, C. (539) 116)

Collagen

Atherosclerosis; Plaque; ACAT inhibitor (Kitayama, K. (539) 81)

COX-2

CIAA; Celecoxib; Rofecoxib; Peripheral (Okumura, T. (539) 125)

Cycloheximide

Sarafotoxin 6c; Actinomycin D; Vasoconstriction (Eskesen, K. (539) 192)

Cytochrome *c*

Lithium; Valproate; Cytotoxicity; Bcl-2; Caspase-3; Bipolar disorder (Lai, J.S. (539) 18)

Cytotoxicity

Lithium; Valproate; Cytochrome *c*; Bcl-2; Caspase-3; Bipolar disorder (Lai, J.S. (539) 18)

Depression

Adrenergic receptor; SSRI (Selective Serotonin Reuptake Inhibitor); Microdialysis (Beyer, C.E. (539) 164)

Desferrioxamine

Iron (III); 1-Methyl-4-phenylpyridinium ion (MPP⁺); Hydroxyl radical; Parkinson's disease (Obata, T. (539) 34)

Diabetic neuropathy

Allodynia; Hyperalgesia; Anticonvulsant drug; Neuropathic pain; Lacosamide (Beyreuther, B. (539) 64)

Dopamine

Excitotoxic lesion; Neurotensin; Prefrontal cortex; Striatum (Radja, F. (539) 158)

Electrical field stimulation

Mesenteric artery; Neuropeptide Y; Noradrenaline; Acetylcholine; BIBP 3226; (Non-obese diabetic-mice) (Gradin, K.A. (539) 184)

Endocannabinoid

Fear learning; Memory; Rat; Associative learning (Arenos, J.D. (539) 177)

Enhanced antinociception

Cannabinoid; Opioid; Synergy (Williams, I.J. (539) 57)

Enteric nervous system

Intimin; Type III secretion system; Mucosa-adherent bacterium; Norepinephrine; Cocaine (Chen, C. (539) 116)

Enterohepatic circulation

Apical sodium-dependent bile acid transporter; Hypocholesterolemic agent; Monkey; Hamster; Cholesterol (Kitayama, K. (539) 89)

Excitotoxic lesion

Dopamine; Neurotensin; Prefrontal cortex; Striatum (Radja, F. (539) 158)

Fear learning

Memory; Rat; Associative learning; Endocannabinoid (Arenos, J.D. (539) 177)

Flavonoid glycosides

Hesperidin; GABA_A; Sedation; Sleep-enhancing action (Fernández, S.P. (539) 168)

Formalin test

Somatostatin; Anti-nociceptive effect; Adjuvant-induced inflammation; Traumatic mononeuropathy (Sándor, K. (539) 71)

FR173657

Bradykinin; B₂ receptor; Peristalsis; Ileum; Icatibant (Hoe 140) (Chan, S.K. (539) 108)

GABA_A

Flavonoid glycosides; Hesperidin; Sedation; Sleep-enhancing action (Fernández, S.P. (539) 168)

Glycine receptor

Strychnine; Brucine; Nicotinic acetylcholine receptor- $\alpha 7$ (Jensen, A.A. (539) 27)

Hamster

Apical sodium-dependent bile acid transporter; Enterohepatic circulation; Hypocholesterolemic agent; Monkey; Cholesterol (Kitayama, K. (539) 89)

HEK-293 cell

$\alpha 4\beta 2$ nicotinic acetylcholine receptor; *Xenopus* oocyte; Voltage clamp; Heterologous expression (Zwart, R. (539) 10)

Hesperidin

Flavonoid glycosides; GABA_A; Sedation; Sleep-enhancing action (Fernández, S.P. (539) 168)

Heterologous expression

$\alpha 4\beta 2$ nicotinic acetylcholine receptor; *Xenopus* oocyte; HEK-293 cell; Voltage clamp (Zwart, R. (539) 10)

Hippocampus

Scopolamine; Radial maze; Theta power; Peak frequency (Masuoka, T. (539) 76)

Human growth hormone

Resistance exercise; Lipid metabolism; (Aged female rat) (Yang, J.-Y. (539) 99)

Hydroxyl radical

Desferrioxamine; Iron (III); 1-Methyl-4-phenylpyridinium ion (MPP⁺); Parkinson's disease (Obata, T. (539) 34)

Hyperalgesia

Allodynia; Anticonvulsant drug; Diabetic neuropathy; Neuropathic pain; Lacosamide (Beyreuther, B. (539) 64)

Hypocholesterolemic agent

Apical sodium-dependent bile acid transporter; Enterohepatic circulation; Monkey; Hamster; Cholesterol (Kitayama, K. (539) 89)

Icatibant (Hoe 140)

Bradykinin; B₂ receptor; Peristalsis; Ileum; FR173657 (Chan, S.K. (539) 108)

Ileum

Bradykinin; B₂ receptor; Peristalsis; FR173657; Icatibant (Hoe 140) (Chan, S.K. (539) 108)

Inflammation

Acute; Chronic; Inhibitor; Phospholipase A₂ (Malaviya, R. (539) 195)

Inhibitor

Inflammation; Acute; Chronic; Phospholipase A₂ (Malaviya, R. (539) 195)

Intimin

Type III secretion system; Mucosa-adherent bacterium; Norepinephrine; Cocaine; Enteric nervous system (Chen, C. (539) 116)

Iron (III)

Desferrioxamine; 1-Methyl-4-phenylpyridinium ion (MPP⁺); Hydroxyl radical; Parkinson's disease (Obata, T. (539) 34)

Isolated tissue

Nociceptin/orphanin FQ; NOP receptor; Ac-RYYRIK-ol; Behavioral assay; (Mice) (Gündüz, Ö. (539) 39)

Lacosamide

Allodynia; Hyperalgesia; Anticonvulsant drug; Diabetic neuropathy; Neuropathic pain (Beyreuther, B. (539) 64)

Lipid metabolism

Human growth hormone; Resistance exercise; (Aged female rat) (Yang, J.-Y. (539) 99)

Lipopolysaccharide

Azithromycin; Pulmonary neutrophilia; Septic shock; TNF- α (Ivetić Tklačević, V. (539) 131)

Lithium

Valproate; Cytotoxicity; Cytochrome *c*; Bcl-2; Caspase-3; Bipolar disorder (Lai, J.S. (539) 18)

mas-like G protein-couple receptor

Salusin; Pain (Wang, Z. (539) 145)

MEK1/2 activity

Sufentanil; SNC-80; U50488H; Morphine addiction; Rat brain (Asensio, V.J. (539) 49)

Memory

Fear learning; Rat; Associative learning; Endocannabinoid (Arenos, J.D. (539) 177)

Mesenteric artery

Neuropeptide Y; Electrical field stimulation; Noradrenaline; Acetylcholine; BIBP 3226; (Non-obese diabetic-mice) (Gradin, K.A. (539) 184)

1-Methyl-4-phenylpyridinium ion (MPP⁺)

Desferrioxamine; Iron (III); Hydroxyl radical; Parkinson's disease (Obata, T. (539) 34)

(Mice)

Nociceptin/orphanin FQ; NOP receptor; Ac-RYYRIK-ol; Isolated tissue; Behavioral assay (Gündüz, Ö. (539) 39)

Microdialysis

Depression; Adrenergic receptor; SSRI (Selective Serotonin Reuptake Inhibitor) (Beyer, C.E. (539) 164)

Mitochondrial adenosine triphosphate dependent potassium channel

Anaesthetic preconditioning; Xenon; Cardiac preconditioning; Protein kinase C; 3'Phosphatidylinositol-dependent kinase-1 (Weber, N.C. (539) 1)

Monkey

Apical sodium-dependent bile acid transporter; Enterohepatic circulation; Hypocholesterolemic agent; Hamster; Cholesterol (Kitayama, K. (539) 89)

Morphine addiction

MEK1/2 activity; Sufentanil; SNC-80; U50488H; Rat brain (Asensio, V.J. (539) 49)

Mucosa-adherent bacterium

Intimin; Type III secretion system; Norepinephrine; Cocaine; Enteric nervous system (Chen, C. (539) 116)

Neuropathic pain

Allodynia; Hyperalgesia; Anticonvulsant drug; Diabetic neuropathy; Lacosamide (Beyreuther, B. (539) 64)

Neuropeptide Y

Mesenteric artery; Electrical field stimulation; Noradrenaline; Acetylcholine; BIBP 3226; (Non-obese diabetic-mice) (Gradin, K.A. (539) 184)

Neurotensin

Dopamine; Excitotoxic lesion; Prefrontal cortex; Striatum (Radja, F. (539) 158)

 $\alpha 4\beta 2$ nicotinic acetylcholine receptor

Xenopus oocyte; HEK-293 cell; Voltage clamp; Heterologous expression (Zwart, R. (539) 10)

Nicotinic acetylcholine receptor- $\alpha 7$

Strychnine; Brucine; Glycine receptor (Jensen, A.A. (539) 27)

Nociceptin/orphanin FQ

NOP receptor; Ac-RYYRIK-ol; Isolated tissue; Behavioral assay; (Mice) (Gündüz, Ö. (539) 39)

(Non-obese diabetic-mice)

Mesenteric artery; Neuropeptide Y; Electrical field stimulation; Noradrenaline; Acetylcholine; BIBP 3226 (Gradin, K.A. (539) 184)

NOP receptor

Nociceptin/orphanin FQ; Ac-RYYRIK-ol; Isolated tissue; Behavioral assay; (Mice) (Gündüz, Ö. (539) 39)

Noradrenaline

Mesenteric artery; Neuropeptide Y; Electrical field stimulation; Acetylcholine; BIBP 3226; (Non-obese diabetic-mice) (Gradin, K.A. (539) 184)

Norepinephrine

Intimin; Type III secretion system; Mucosa-adherent bacterium; Cocaine; Enteric nervous system (Chen, C. (539) 116)

Nuclear factor- κ B

Pyrrolidine dithiocarbamate; Alveolar bone loss; Reactive oxygen specie; Periodontal disease (Muià, C. (539) 205)

Opioid

Cannabinoid; Synergy; Enhanced antinociception (Williams, I.J. (539) 57)

Pain

mas-like G protein-couple receptor; Salusin (Wang, Z. (539) 145)

Parkinson's disease

Desferrioxamine; Iron (III); 1-Methyl-4-phenylpyridinium ion (MPP⁺); Hydroxyl radical (Obata, T. (539) 34)

Peak frequency

Scopolamine; Radial maze; Hippocampus; Theta power (Masuoka, T. (539) 76)

Periodontal disease

Pyrrolidine dithiocarbamate; Nuclear factor- κ B; Alveolar bone loss; Reactive oxygen specie (Muià, C. (539) 205)

Peripheral

CIAA; Celecoxib; Rofecoxib; COX-2 (Okumura, T. (539) 125)

Peristalsis

Bradykinin; B₂ receptor; Ileum; FR173657; Icatibant (Hoe 140) (Chan, S.K. (539) 108)

3'Phosphatidylinositol-dependent kinase-1

Anaesthetic preconditioning; Xenon; Cardiac preconditioning; Mitochondrial adenosine triphosphate dependent potassium channel; Protein kinase C (Weber, N.C. (539) 1)

Phospholipase A₂

Inflammation; Acute; Chronic; Inhibitor (Malaviya, R. (539) 195)

Plaque

Atherosclerosis; Collagen; ACAT inhibitor (Kitayama, K. (539) 81)

Prefrontal cortex

Dopamine; Excitotoxic lesion; Neurotensin; Striatum (Radja, F. (539) 158)

Protein kinase C

Anaesthetic preconditioning; Xenon; Cardiac preconditioning; Mitochondrial adenosine triphosphate dependent potassium channel; 3'Phosphatidylinositol-dependent kinase-1 (Weber, N.C. (539) 1)

Pulmonary neutrophilia

Azithromycin; Lipopolysaccharide; Septic shock; TNF- α (Ivetić Tkalčević, V. (539) 131)

Pyrrolidine dithiocarbamate

Nuclear factor- κ B; Alveolar bone loss; Reactive oxygen specie; Periodontal disease (Muià, C. (539) 205)

Radial maze

Scopolamine; Hippocampus; Theta power; Peak frequency (Masuoka, T. (539) 76)

Rat

Fear learning; Memory; Associative learning; Endocannabinoid (Arenos, J.D. (539) 177)

Rat brain

MEK1/2 activity; Sufentanil; SNC-80; U50488H; Morphine addiction (Asensio, V.J. (539) 49)

Reactive oxygen specie

Pyrrolidine dithiocarbamate; Nuclear factor- κ B; Alveolar bone loss; Periodontal disease (Muià, C. (539) 205)

Resistance exercise

Human growth hormone; Lipid metabolism; (Aged female rat) (Yang, J.-Y. (539) 99)

Rofecoxib

CIAA; Celecoxib; COX-2; Peripheral (Okumura, T. (539) 125)

Salusin

mas-like G protein-couple receptor; Pain (Wang, Z. (539) 145)

Sarafotoxin 6c

Actinomycin D; Cycloheximide; Vasoconstriction (Eskesen, K. (539) 192)

Scopolamine

Radial maze; Hippocampus; Theta power; Peak frequency (Masuoka, T. (539) 76)

Sedation

Flavonoid glycosides; Hesperidin; GABA_A; Sleep-enhancing action (Fernández, S.P. (539) 168)

Septic shock

Azithromycin; Lipopolysaccharide; Pulmonary neutrophilia; TNF- α (Ivetić Tkalčević, V. (539) 131)

5-S-GAD

Angiogenesis; Antiangiogenic agent; Tumor therapy (Nishikawa, T. (539) 151)

Sleep-enhancing action

Flavonoid glycosides; Hesperidin; GABA_A; Sedation (Fernández, S.P. (539) 168)

SNC-80

MEK1/2 activity; Sufentanil; U50488H; Morphine addiction; Rat brain (Asensio, V.J. (539) 49)

Somatostatin

Anti-nociceptive effect; Formalin test; Adjuvant-induced inflammation; Traumatic mononeuropathy (Sándor, K. (539) 71)

SSRI (Selective Serotonin Reuptake Inhibitor)

Depression; Adrenergic receptor; Microdialysis (Beyer, C.E. (539) 164)

Striatum

Dopamine; Excitotoxic lesion; Neurotensin; Prefrontal cortex (Radja, F. (539) 158)

Strychnine

Brucine; Glycine receptor; Nicotinic acetylcholine receptor- α 7 (Jensen, A.A. (539) 27)

Sufentanil

MEK1/2 activity; SNC-80; U50488H; Morphine addiction; Rat brain (Asensio, V.J. (539) 49)

Synergy

Cannabinoid; Opioid; Enhanced antinociception (Williams, I.J. (539) 57)

Theta power

Scopolamine; Radial maze; Hippocampus; Peak frequency (Masuoka, T. (539) 76)

TNF- α

Azithromycin; Lipopolysaccharide; Pulmonary neutrophilia; Septic shock (Ivetić Tkalčević, V. (539) 131)

Traumatic mononeuropathy

Somatostatin; Anti-nociceptive effect; Formalin test; Adjuvant-induced inflammation (Sándor, K. (539) 71)

Tumor therapy

Angiogenesis; Antiangiogenic agent; 5-S-GAD (Nishikawa, T. (539) 151)

Type III secretion system

Intimin; Mucosa-adherent bacterium; Norepinephrine; Cocaine; Enteric nervous system (Chen, C. (539) 116)

U50488H

MEK1/2 activity; Sufentanil; SNC-80; Morphine addiction; Rat brain (Asensio, V.J. (539) 49)

Valproate

Lithium; Cytotoxicity; Cytochrome *c*; Bcl-2; Caspase-3; Bipolar disorder (Lai, J.S. (539) 18)

Vasoconstriction

Sarafotoxin 6c; Actinomycin D; Cycloheximide (Eskesen, K. (539) 192)

Voltage clamp

$\alpha 4\beta 2$ nicotinic acetylcholine receptor; *Xenopus* oocyte; HEK-293 cell; Heterologous expression (Zwart, R. (539) 10)

Xenon

Anaesthetic preconditioning; Cardiac preconditioning; Mitochondrial adenosine triphosphate dependent potassium channel; Protein kinase C; 3'Phosphatidylinositol-dependent kinase-1 (Weber, N.C. (539) 1)

***Xenopus* oocyte**

$\alpha 4\beta 2$ nicotinic acetylcholine receptor; HEK-293 cell; Voltage clamp; Heterologous expression (Zwart, R. (539) 10)