

Keyword index

Abnormal-cannabidiol

Cannabidiol; WIN55212; Cannabinoid CB₁ receptor; Novel cannabinoid receptor antagonist; Mouse vas deferens (Thomas, A. (487) 213)

Acetylcholine

Cyclosporine; Perfused kidney; Endothelium-derived relaxing factor; Isoprenaline (El-Mas, M.M. (487) 149)

Adenosine receptor

Pharmacology; Brain; Mouse; cAMP assay (Wittendorp, M.C. (487) 73)

α₂-Adrenoceptor antagonist

Desipramine; DOPAC; HPLC; Microdialysis; (Rat) (Devoto, P. (487) 105)

Agonist binding site

Histaprodifen; Mutational analysis; Histamine H₁ receptor; Antagonist binding site (Bruysters, M. (487) 55)

Anococcygeus muscle, rate

Trachea, guinea-pig (Ismailoglu, U.B. (487) 233)

Antagonist binding site

Histaprodifen; Mutational analysis; Histamine H₁ receptor; Agonist binding site (Bruysters, M. (487) 55)

Antiobesity

Histamine H₃ receptor antagonist; Magnetic resonance imaging (Hancock, A.A. (487) 183)

Antioxidant

Brain ischemia; Oxidative neuronal injury; KR-31378; Neuroprotection; K⁺ channel opener (Kim, S.-O. (487) 81)

Anti-tumour

Dehydrocrotonin; Tumour; Cytotoxicity; Natural killer cell (Melo, P.S. (487) 47)

ATP-P2X₇ receptor

Maitotoxin; Cytolytic pore; Cell death; Ca²⁺ (Lundy, P.M. (487) 17)

Bladder

Female mouse; Oestrogen; Muscarinic M₁, M₃ and M₅ receptors; Pregnancy (Ma, S. (487) 205)

Brain

Adenosine receptor; Pharmacology; Mouse; cAMP assay (Wittendorp, M.C. (487) 73)

Brain ischemia

Oxidative neuronal injury; KR-31378; Neuroprotection; Antioxidant; K⁺ channel opener (Kim, S.-O. (487) 81)

Ca²⁺

ATP-P2X₇ receptor; Maitotoxin; Cytolytic pore; Cell death (Lundy, P.M. (487) 17)

Ca²⁺ current

Cardiac cell; Phenol derivative; Electrophysiology; Myocyte, human (Magyar, J. (487) 29)

Ca²⁺ influx

Capsaicin; Capsazepine; Myosin light chain phosphorylation (Fujimoto, S. (487) 175)

cAMP

Nitroergic innervation; Mesenteric artery; PKA (protein kinase A); Forskolin (Ferrer, M. (487) 167)

cAMP assay

Adenosine receptor; Pharmacology; Brain; Mouse (Wittendorp, M.C. (487) 73)

Cannabidiol

Abnormal-cannabidiol; WIN55212; Cannabinoid CB₁ receptor; Novel cannabinoid receptor antagonist; Mouse vas deferens (Thomas, A. (487) 213)

Cannabinoid CB₁ receptor

Cannabidiol; Abnormal-cannabidiol; WIN55212; Novel cannabinoid receptor antagonist; Mouse vas deferens (Thomas, A. (487) 213)

Capsaicin

Capsazepine; Ca²⁺ influx; Myosin light chain phosphorylation (Fujimoto, S. (487) 175)

Capsazepine

Capsaicin; Ca²⁺ influx; Myosin light chain phosphorylation (Fujimoto, S. (487) 175)

Carbocisteine

Fucosidase; Sialidase; Fucosyltransferase; Sialyltransferase; Muc5ac (Ishibashi, Y. (487) 7)

Cardiac cell

Ca²⁺ current; Phenol derivative; Electrophysiology; Myocyte, human (Magyar, J. (487) 29)

Cell death

ATP-P2X₇ receptor; Maitotoxin; Cytolytic pore; Ca²⁺ (Lundy, P.M. (487) 17)

Central sensitisation

Fibromyalgia; GABA (gamma aminobutyric acid); Glutamate receptor antagonist; Muscle pain; Na⁺ channel blockers (Nielsen, A.N. (487) 93)

Citalopram

Imipramine; Desipramine; Moclobemide; 5-HT_{1A}/5-HT_{1B} receptor antagonist; Forced swimming test in rats (Tatarczyńska, E. (487) 133)

Cochlear protection

Edaravone; Reactive oxygen species; Noise trauma (Takemoto, T. (487) 113)

Compound 48/80

Gastric mucosal lesion, rat; Teprenone; Gastric mucus; Neutrophil infiltration; Oxidative stress (Ohta, Y. (487) 223)

Cyclic AMP

Midazolam; Platelet aggregation; Phospholipase C; Na^+/H^+ exchanger; Thrombosis (Hsiao, G. (487) 159)

Cyclosporine

Perfused kidney; Endothelium-derived relaxing factor; Acetylcholine; Isoprenaline (El-Mas, M.M. (487) 149)

Cytolytic pore

ATP-P2X₇ receptor; Maitotoxin; Cell death; Ca^{2+} (Lundy, P.M. (487) 17)

Cytotoxicity

Dehydrocrotinin; Tumour; Natural killer cell; Anti-tumour (Melo, P.S. (487) 47)

Dehydrocrotinin

Tumour; Cytotoxicity; Natural killer cell; Anti-tumour (Melo, P.S. (487) 47)

***Dendroaspis angusticeps* toxins**

Muscarinic M₁ receptor; [³⁵S]GTPγS binding; Phosphoinositide hydrolysis; [³H]Acetylcholine binding; [³H]N-Methyl-scopolamine binding (Olianas, M.C. (487) 65)

Desipramine

α₂-Adrenoceptor antagonist; DOPAC; HPLC; Microdialysis; (Rat) (Devoto, P. (487) 105)

Citalopram; Imipramine; Moclobemide; 5-HT_{1A}/5-HT_{1B} receptor antagonist; Forced swimming test in rats (Tatarczyńska, E. (487) 133)

DOPAC

α₂-Adrenoceptor antagonist; Desipramine; HPLC; Microdialysis; (Rat) (Devoto, P. (487) 105)

Edaravone

Reactive oxygen species; Cochlear protection; Noise trauma (Takemoto, T. (487) 113)

EGCG ((-)-epigallocatechin-3-gallate)

uPA (urokinase-type plasminogen activator); Erk-1/2; P38 MAPK; Transcription; mRNA stability (Kim, M.H. (487) 1)

Electrophysiology

Cardiac cell; Ca^{2+} current; Phenol derivative; Myocyte, human (Magyar, J. (487) 29)

Endothelium-derived relaxing factor

Cyclosporine; Perfused kidney; Acetylcholine; Isoprenaline (El-Mas, M.M. (487) 149)

Erk-1/2

EGCG ((-)-epigallocatechin-3-gallate); uPA (urokinase-type plasminogen activator); P38 MAPK; Transcription; mRNA stability (Kim, M.H. (487) 1)

Female mouse

Bladder; Oestrogen; Muscarinic M₁, M₃ and M₅ receptors; Pregnancy (Ma, S. (487) 205)

Fibromyalgia

Central sensitisation; GABA (gamma aminobutyric acid); Glutamate receptor antagonist; Muscle pain; Na^+ channel blockers (Nielsen, A.N. (487) 93)

Forced swimming test in rats

Citalopram; Imipramine; Desipramine; Moclobemide; 5-HT_{1A}/5-HT_{1B} receptor antagonist (Tatarczyńska, E. (487) 133)

Forskolin

Nitrogenic innervation; Mesenteric artery; cAMP; PKA (protein kinase A) (Ferrer, M. (487) 167)

Fos

Morphine withdrawal; Heart; Hypothalamic paraventricular nucleus; Naloxone; Naloxone methiodide (González-Cuello, A. (487) 117)

Fucosidase

Carbocysteine; Sialidase; Fucosyltransferase; Sialyltransferase; Muc5ac (Ishibashi, Y. (487) 7)

Fucosyltransferase

Carbocysteine; Fucosidase; Sialidase; Sialyltransferase; Muc5ac (Ishibashi, Y. (487) 7)

GABA (gamma aminobutyric acid)

Central sensitisation; Fibromyalgia; Glutamate receptor antagonist; Muscle pain; Na^+ channel blockers (Nielsen, A.N. (487) 93)

Gastric mucosal lesion, rat

Compound 48/80; Teprenone; Gastric mucus; Neutrophil infiltration; Oxidative stress (Ohta, Y. (487) 223)

Gastric mucus

Compound 48/80; Gastric mucosal lesion, rat; Teprenone; Neutrophil infiltration; Oxidative stress (Ohta, Y. (487) 223)

Glutamate receptor antagonist

Central sensitisation; Fibromyalgia; GABA (gamma aminobutyric acid); Muscle pain; Na^+ channel blockers (Nielsen, A.N. (487) 93)

[³H]Acetylcholine binding

Dendroaspis angusticeps toxins; Muscarinic M₁ receptor; [³⁵S]GTPγS binding; Phosphoinositide hydrolysis; [³H]N-Methyl-scopolamine binding (Olianas, M.C. (487) 65)

Heart

Morphine withdrawal; Fos; Hypothalamic paraventricular nucleus; Naloxone; Naloxone methiodide (González-Cuello, A. (487) 117)

Heat shock protein 70

Prostate; Ischemia–reperfusion injury; Real-time PCR; (Rat) (Saito, M. (487) 199)

Histamine H₁ receptor

Histaprodifen; Mutational analysis; Agonist binding site; Antagonist binding site (Bruysters, M. (487) 55)

Histamine H₃ receptor antagonist

Antiobesity; Magnetic resonance imaging (Hancock, A.A. (487) 183)

Histaprodifen

Mutational analysis; Histamine H₁ receptor; Agonist binding site; Antagonist binding site (Bruysters, M. (487) 55)

[³H]N-Methyl-scopolamine binding

Dendroaspis angusticeps toxins; Muscarinic M₁ receptor; [³⁵S]GTPγS binding; Phosphoinositide hydrolysis; [³H]Acetylcholine binding (Olianas, M.C. (487) 65)

HPLC

α₂-Adrenoceptor antagonist; Desipramine; DOPAC; Microdialysis; (Rat) (Devoto, P. (487) 105)

5-HT_{1A}/5-HT_{1B} receptor antagonist

Citalopram; Imipramine; Desipramine; Moclobemide; Forced swimming test in rats (Tatarczyńska, E. (487) 133)

Hypothalamic paraventricular nucleus

Morphine withdrawal; Fos; Heart; Naloxone; Naloxone methiodide (González-Cuello, A. (487) 117)

Hypothermia

Thermoregulation; Serotonin; In vivo; Knockout, mouse (Hedlund, P.B. (487) 125)

Imipramine

Citalopram; Desipramine; Moclobemide; 5-HT_{1A}/5-HT_{1B} receptor antagonist; Forced swimming test in rats (Tatarczyńska, E. (487) 133)

Intracerebroventricular

Morphine; Memory; Passive avoidance; K_{ATP} channel modulators; Scopolamine; (Mouse) (Zarrindast, M.R. (487) 143)

In vivo

Thermoregulation; Hypothermia; Serotonin; Knockout, mouse (Hedlund, P.B. (487) 125)

Ischemia–reperfusion injury

Prostate; Heat shock protein 70; Real-time PCR; (Rat) (Saito, M. (487) 199)

Isoprenaline

Cyclosporine; Perfused kidney; Endothelium-derived relaxing factor; Acetylcholine (El-Mas, M.M. (487) 149)

K_{ATP} channel modulators

Morphine; Memory; Passive avoidance; Intracerebroventricular; Scopolamine; (Mouse) (Zarrindast, M.R. (487) 143)

K⁺ channel opener

Brain ischemia; Oxidative neuronal injury; KR-31378; Neuroprotection; Antioxidant (Kim, S.-O. (487) 81)

Knockout, mouse

Thermoregulation; Hypothermia; Serotonin; In vivo (Hedlund, P.B. (487) 125)

KR-31378

Brain ischemia; Oxidative neuronal injury; Neuroprotection; Antioxidant; K⁺ channel opener (Kim, S.-O. (487) 81)

L-type Ca²⁺ channel

β_{2c} Subunit; Single-channel analysis; Modal gating behavior (Kamada, Y. (487) 37)

Magnetic resonance imaging

Antibesity; Histamine H₃ receptor antagonist (Hancock, A.A. (487) 183)

Maitotoxin

ATP-P2X₇ receptor; Cytolytic pore; Cell death; Ca²⁺ (Lundy, P.M. (487) 17)

Memory

Morphine; Passive avoidance; Intracerebroventricular; K_{ATP} channel modulators; Scopolamine; (Mouse) (Zarrindast, M.R. (487) 143)

Mesenteric artery

Nitrgic innervation; cAMP; PKA (protein kinase A); Forskolin (Ferrer, M. (487) 167)

Microdialysis

α₂-Adrenoceptor antagonist; Desipramine; DOPAC; HPLC; (Rat) (Devoto, P. (487) 105)

Midazolam

Platelet aggregation; Phospholipase C; Cyclic AMP; Na⁺/H⁺ exchanger; Thrombosis (Hsiao, G. (487) 159)

Moclobemide

Citalopram; Imipramine; Desipramine; 5-HT_{1A}/5-HT_{1B} receptor antagonist; Forced swimming test in rats (Tatarczyńska, E. (487) 133)

Modal gating behavior

L-type Ca²⁺ channel; β_{2c} Subunit; Single-channel analysis (Kamada, Y. (487) 37)

Morphine

Memory; Passive avoidance; Intracerebroventricular; K_{ATP} channel modulators; Scopolamine; (Mouse) (Zarrindast, M.R. (487) 143)

Morphine withdrawal

Fos; Heart; Hypothalamic paraventricular nucleus; Naloxone; Naloxone methiodide (González-Cuello, A. (487) 117)

Mouse

Adenosine receptor; Pharmacology; Brain; cAMP assay (Wittendorp, M.C. (487) 73)

Morphine; Memory; Passive avoidance; Intracerebroventricular; K_{ATP} channel modulators; Scopolamine (Zarrindast, M.R. (487) 143)

Mouse vas deferens

Cannabidiol; Abnormal-cannabidiol; WIN55212; Cannabinoid CB₁ receptor; Novel cannabinoid receptor antagonist (Thomas, A. (487) 213)

mRNA stability

EGCG ((-)-epigallocatechin-3-gallate); uPA (urokinase-type plasminogen activator); Erk-1/2; P38 MAPK; Transcription (Kim, M.H. (487) 1)

Muc5ac

Carbocysteine; Fucosidase; Sialidase; Fucosyltransferase; Sialyltransferase (Ishibashi, Y. (487) 7)

Muscarinic M₁, M₃ and M₅ receptors

Bladder; Female mouse; Oestrogen; Pregnancy (Ma, S. (487) 205)

Muscarinic M₁ receptor

Dendroaspis angusticeps toxins; [³⁵S]GTPγS binding; Phosphoinositide hydrolysis; [³H]Acetylcholine binding; [³H]N-Methyl-scopolamine binding (Olianas, M.C. (487) 65)

Muscle pain

Central sensitisation; Fibromyalgia; GABA (gamma aminobutyric acid); Glutamate receptor antagonist; Na⁺ channel blockers (Nielsen, A.N. (487) 93)

Mutational analysis

Histaprodifen; Histamine H₁ receptor; Agonist binding site; Antagonist binding site (Bruysters, M. (487) 55)

Myocyte, human

Cardiac cell; Ca²⁺ current; Phenol derivative; Electrophysiology (Magyar, J. (487) 29)

Myosin light chain phosphorylation

Capsaicin; Capsazepine; Ca²⁺ influx (Fujimoto, S. (487) 175)

Na⁺ channel blockers

Central sensitisation; Fibromyalgia; GABA (gamma aminobutyric acid); Glutamate receptor antagonist; Muscle pain (Nielsen, A.N. (487) 93)

Na⁺/H⁺ exchanger

Midazolam; Platelet aggregation; Phospholipase C; Cyclic AMP; Thrombosis (Hsiao, G. (487) 159)

Naloxone

Morphine withdrawal; Fos; Heart; Hypothalamic paraventricular nucleus; Naloxone methiodide (González-Cuello, A. (487) 117)

Naloxone methiodide

Morphine withdrawal; Fos; Heart; Hypothalamic paraventricular nucleus; Naloxone (González-Cuello, A. (487) 117)

Natural killer cell

Dehydrocrotonin; Tumour; Cytotoxicity; Anti-tumour (Melo, P.S. (487) 47)

Neuroprotection

Brain ischemia; Oxidative neuronal injury; KR-31378; Antioxidant; K⁺ channel opener (Kim, S.-O. (487) 81)

Neutrophil infiltration

Compound 48/80; Gastric mucosal lesion, rat; Teprenone; Gastric mucus; Oxidative stress (Ohta, Y. (487) 223)

Nitregic innervation

Mesenteric artery; cAMP; PKA (protein kinase A); Forskolin (Ferrer, M. (487) 167)

Noise trauma

Edaravone; Reactive oxygen species; Cochlear protection (Takemoto, T. (487) 113)

Novel cannabinoid receptor antagonist

Cannabidiol; Abnormal-cannabidiol; WIN55212; Cannabinoid CB₁ receptor; Mouse vas deferens (Thomas, A. (487) 213)

Oestrogen

Bladder; Female mouse; Muscarinic M₁, M₃ and M₅ receptors; Pregnancy (Ma, S. (487) 205)

Oxidative neuronal injury

Brain ischemia; KR-31378; Neuroprotection; Antioxidant; K⁺ channel opener (Kim, S.-O. (487) 81)

Oxidative stress

Compound 48/80; Gastric mucosal lesion, rat; Teprenone; Gastric mucus; Neutrophil infiltration (Ohta, Y. (487) 223)

Passive avoidance

Morphine; Memory; Intracerebroventricular; K_{ATP} channel modulators; Scopolamine; (Mouse) (Zarrindast, M.R. (487) 143)

Perfused kidney

Cyclosporine; Endothelium-derived relaxing factor; Acetylcholine; Isoprenaline (El-Mas, M.M. (487) 149)

Pharmacology

Adenosine receptor; Brain; Mouse; cAMP assay (Wittendorp, M.C. (487) 73)

Phenol derivative

Cardiac cell; Ca²⁺ current; Electrophysiology; Myocyte, human (Magyar, J. (487) 29)

Phosphoinositide hydrolysis

Dendroaspis angusticeps toxins; Muscarinic M₁ receptor; [³⁵S]GTPγS binding; [³H]Acetylcholine binding; [³H]*N*-Methyl-scopolamine binding (Olianas, M.C. (487) 65)

Phospholipase C

Midazolam; Platelet aggregation; Cyclic AMP; Na⁺/H⁺ exchanger; Thrombosis (Hsiao, G. (487) 159)

PKA (protein kinase A)

Nitregic innervation; Mesenteric artery; cAMP; Forskolin (Ferrer, M. (487) 167)

Platelet aggregation

Midazolam; Phospholipase C; Cyclic AMP; Na⁺/H⁺ exchanger; Thrombosis (Hsiao, G. (487) 159)

P38 MAPK

EGCG ((-)-epigallocatechin-3-gallate); uPA (urokinase-type plasminogen activator); Erk-1/2; Transcription; mRNA stability (Kim, M.H. (487) 1)

Pregnancy

Bladder; Female mouse; Oestrogen; Muscarinic M₁, M₃ and M₅ receptors (Ma, S. (487) 205)

Prostate

Ischemia–reperfusion injury; Heat shock protein 70; Real-time PCR; (Rat) (Saito, M. (487) 199)

(Rat)

α₂-Adrenoceptor antagonist; Desipramine; DOPAC; HPLC; Microdialysis (Devoto, P. (487) 105)

Prostate; Ischemia–reperfusion injury; Heat shock protein 70; Real-time PCR (Saito, M. (487) 199)

Reactive oxygen species

Edaravone; Cochlear protection; Noise trauma (Takemoto, T. (487) 113)

Real-time PCR

Prostate; Ischemia–reperfusion injury; Heat shock protein 70; (Rat) (Saito, M. (487) 199)

Scopolamine

Morphine; Memory; Passive avoidance; Intracerebroventricular; K_{ATP} channel modulators; (Mouse) (Zarrindast, M.R. (487) 143)

Serotonin

Thermoregulation; Hypothermia; In vivo; Knockout, mouse (Hedlund, P.B. (487) 125)

[³⁵S]GTPγS binding

Dendroaspis angusticeps toxins; Muscarinic M₁ receptor; Phosphoinositide hydrolysis; [³H]Acetylcholine binding; [³H]N-Methyl-scopolamine binding (Olianas, M.C. (487) 65)

Sialidase

Carbocisteine; Fucosidase; Fucosyltransferase; Sialyltransferase; Muc5ac (Ishibashi, Y. (487) 7)

Sialyltransferase

Carbocisteine; Fucosidase; Sialidase; Fucosyltransferase; Muc5ac (Ishibashi, Y. (487) 7)

Single-channel analysis

L-type Ca²⁺ channel; β_{2c} Subunit; Modal gating behavior (Kamada, Y. (487) 37)

β_{2c} Subunit

L-type Ca²⁺ channel; Single-channel analysis; Modal gating behavior (Kamada, Y. (487) 37)

Teprenone

Compound 48/80; Gastric mucosal lesion, rat; Gastric mucus; Neutrophil infiltration; Oxidative stress (Ohta, Y. (487) 223)

Thermoregulation

Hypothermia; Serotonin; In vivo; Knockout, mouse (Hedlund, P.B. (487) 125)

Thrombosis

Midazolam; Platelet aggregation; Phospholipase C; Cyclic AMP; Na⁺/H⁺ exchanger (Hsiao, G. (487) 159)

Trachea, guinea-pig

Anococcygeus muscle, rate (Ismailoglu, U.B. (487) 233)

Transcription

EGCG ((-)-epigallocatechin-3-gallate); uPA (urokinase-type plasminogen activator); Erk-1/2; P38 MAPK; mRNA stability (Kim, M.H. (487) 1)

Tumour

Dehydrocrotonin; Cytotoxicity; Natural killer cell; Anti-tumour (Melo, P.S. (487) 47)

uPA (urokinase-type plasminogen activator)

EGCG ((-)-epigallocatechin-3-gallate); Erk-1/2; P38 MAPK; Transcription; mRNA stability (Kim, M.H. (487) 1)

WIN55212

Cannabidiol; Abnormal-cannabidiol; Cannabinoid CB₁ receptor; Novel cannabinoid receptor antagonist; Mouse vas deferens (Thomas, A. (487) 213)