

Keyword index

Acetylcholine

Porcine uterus; Pregnancy; Spontaneous contraction; Oxytocin; 5-Hydroxytryptamine; Nitric oxide (Kitazawa, T. (469) 135)

Activator protein-1

Poly (ADP-ribose) polymerase; 3-Aminobenzamide; 1,5-Dihydroxyisoquinoline; NF- κ B (nuclear factor- κ B); Colitis (Zingarelli, B. (469) 183)

Adenosine A₁ receptor

Streptozotocin-induced diabetes; Carbachol; Prostaglandin; Ca²⁺ ionophore A23187 (Talubmook, C. (469) 153)

Agmatine

Antidepressant; PC12 cell; Monoamine; Ca²⁺ (Li, Y.F. (469) 81)

3-Aminobenzamide

Poly (ADP-ribose) polymerase; 1,5-Dihydroxyisoquinoline; NF- κ B (nuclear factor- κ B); Activator protein-1; Colitis (Zingarelli, B. (469) 183)

Amiodarone

Myocarditis; Immune system; Lymphocyte; Mast cell (Matsui, S. (469) 165)

Analgesia

Crotalus durissus terrificus venom; ATP-sensitive K⁺ channel; δ -Opioid receptor agonist, peripheral; κ -Opioid receptor agonist, peripheral (Picolo, G. (469) 57)

Angiotensin AT₁ receptor antagonist

Angiotensin II; Renin–angiotensin system; (Rabbit) (Nap, A. (469) 117)

Angiotensin II

Renin–angiotensin system; Angiotensin AT₁ receptor antagonist; (Rabbit) (Nap, A. (469) 117)

Antidepressant

Agmatine; PC12 cell; Monoamine; Ca²⁺ (Li, Y.F. (469) 81)

Antidepressants

Noradrenaline uptake; Cytokine production; NET-KO, mouse (Selmeczy, Z. (469) 175)

Antiepileptic

Anxiety; Anxiolytic effect; Vogel conflict test; Levetiracetam; Chlordiazepoxide (Lamberty, Y. (469) 97)

Antinociception

Opioid; Metamizol; Potentiation; Tolerance (Hernández-Delgadillo, G.P. (469) 71)

Endomorphin-1; Gastrointestinal motility; μ -Opioid receptor; Naloxonazine; Naloxone methiodide (Spampinato, S. (469) 89)

Antioxidant

Melatonin; Free radical; Mitochondria; Ischemia/reperfusion (Okatani, Y. (469) 145)

Antisauvagine-30

CRF (corticotropin-releasing factor); CRF₂ receptor antagonist; Urocortin 2; Cardiovascular (Mackay, K.B. (469) 111)

Antisense

Cocaine; Conditioned place preference; Convulsion; Gene expression; Locomotor activity; Microarray; Sensitization; σ Receptor (Matsumoto, R.R. (469) 1)

Antitussive effect

Glycyrrhizae radix; Bakumondo-to (Mai-men-dong-tang); Cough; Kampo preparation (Kamei, J. (469) 159)

Anxiety

Anxiolytic effect; Vogel conflict test; Levetiracetam; Antiepileptic; Chlordiazepoxide (Lamberty, Y. (469) 97)

Anxiolytic effect

Anxiety; Vogel conflict test; Levetiracetam; Antiepileptic; Chlordiazepoxide (Lamberty, Y. (469) 97)

ATP-sensitive K⁺ channel

Crotalus durissus terrificus venom; Analgesia; δ -Opioid receptor agonist, peripheral; κ -Opioid receptor agonist, peripheral (Picolo, G. (469) 57)

Bakumondo-to (Mai-men-dong-tang)

Glycyrrhizae radix; Antitussive effect; Cough; Kampo preparation (Kamei, J. (469) 159)

Benzodiazepine coupling

(Swiss Webster mouse); GABA_A receptor; Diazepam; DMCM; Benzodiazepine inverse agonist; Benzodiazepine Type-1 receptor agonist (Davies, D.L. (469) 37)

Benzodiazepine inverse agonist

(Swiss Webster mouse); GABA_A receptor; Benzodiazepine coupling; Diazepam; DMCM; Benzodiazepine Type-1 receptor agonist (Davies, D.L. (469) 37)

Benzodiazepine Type-1 receptor agonist

(Swiss Webster mouse); GABA_A receptor; Benzodiazepine coupling; Diazepam; DMCM; Benzodiazepine inverse agonist (Davies, D.L. (469) 37)

Bradykinin

Prostaglandin E₂; Trigeminal; Migraine; Primary culture (Jenkins, D.W. (469) 29)

Ca²⁺

Agmatine; Antidepressant; PC12 cell; Monoamine (Li, Y.F. (469) 81)

Ca²⁺ channel

Cannabinoid; Exocytotic release; Hippocampus; Nerve terminal (Wang, S.-J. (469) 47)

Ca²⁺ ionophore A23187

Streptozotocin-induced diabetes; Carbachol; Prostaglandin; Adenosine A₁ receptor (Talubmook, C. (469) 153)

Cannabinoid

Exocytotic release; Hippocampus; Nerve terminal; Ca²⁺ channel (Wang, S.-J. (469) 47)

Carbachol

Streptozotocin-induced diabetes; Prostaglandin; Ca²⁺ ionophore A23187; Adenosine A₁ receptor (Talubmook, C. (469) 153)

Cardiovascular

CRF (corticotropin-releasing factor); CRF₂ receptor antagonist; Urocortin 2; Antisauvagine-30 (Mackay, K.B. (469) 111)

Cerebral vessel

Sphingosine-1-phosphate; S1P receptor; Vasoconstriction; Suramin (Salomone, S. (469) 125)

Chemotaxis

N-formylmethionyl peptide; Neutrophil, human; Superoxide anion generation; Lysozyme release; Receptor binding (Spisani, S. (469) 13)

Chlordiazepoxide

Anxiety; Anxiolytic effect; Vogel conflict test; Levetiracetam; Antiepileptic (Lamberty, Y. (469) 97)

Cocaine

Antisense; Conditioned place preference; Convulsion; Gene expression; Locomotor activity; Microarray; Sensitization; σ Receptor (Matsumoto, R.R. (469) 1)

Colitis

Poly (ADP-ribose) polymerase; 3-Aminobenzamide; 1,5-Dihydroxyisoquinoline; NF- κ B (nuclear factor- κ B); Activator protein-1 (Zingarelli, B. (469) 183)

Conditioned place preference

Antisense; Cocaine; Convulsion; Gene expression; Locomotor activity; Microarray; Sensitization; σ Receptor (Matsumoto, R.R. (469) 1)

Convulsion

Antisense; Cocaine; Conditioned place preference; Gene expression; Locomotor activity; Microarray; Sensitization; σ Receptor (Matsumoto, R.R. (469) 1)

Diazepam; Neonatal reflex; Pentylentetrazol; GABA_A receptor (Nicosia, A. (469) 103)

Cough

Glycyrrhizae radix; Bakumondo-to (Mai-men-dong-tang); Antitussive effect; Kampo preparation (Kamei, J. (469) 159)

CRF (corticotropin-releasing factor)

CRF₂ receptor antagonist; Urocortin 2; Antisauvagine-30; Cardiovascular (Mackay, K.B. (469) 111)

CRF₂ receptor antagonist

CRF (corticotropin-releasing factor); Urocortin 2; Antisauvagine-30; Cardiovascular (Mackay, K.B. (469) 111)

Crotalus durissus terrificus venom

Analgesia; ATP-sensitive K⁺ channel; δ -Opioid receptor agonist, peripheral; κ -Opioid receptor agonist, peripheral (Picolo, G. (469) 57)

Cytokine production

Noradrenaline uptake; Antidepressants; NET-KO, mouse (Selmeczy, Z. (469) 175)

Diazepam

(Swiss Webster mouse); GABA_A receptor; Benzodiazepine coupling; DMCM; Benzodiazepine inverse agonist; Benzodiazepine Type-1 receptor agonist (Davies, D.L. (469) 37)

Neonatal reflex; Pentylentetrazol; Convulsion; GABA_A receptor (Nicosia, A. (469) 103)

1,5-Dihydroxyisoquinoline

Poly (ADP-ribose) polymerase; 3-Aminobenzamide; NF- κ B (nuclear factor- κ B); Activator protein-1; Colitis (Zingarelli, B. (469) 183)

DMCM

(Swiss Webster mouse); GABA_A receptor; Benzodiazepine coupling; Diazepam; Benzodiazepine inverse agonist; Benzodiazepine Type-1 receptor agonist (Davies, D.L. (469) 37)

Endomorphin-1

Antinociception; Gastrointestinal motility; μ -Opioid receptor; Naloxonazine; Naloxone methiodide (Spampinato, S. (469) 89)

Exendin-4

Insulin; Glucagon; Somatostatin (Silvestre, R.A. (469) 195)

Exocytotic release

Cannabinoid; Hippocampus; Nerve terminal; Ca²⁺ channel (Wang, S.-J. (469) 47)

Free radical

Melatonin; Antioxidant; Mitochondria; Ischemia/reperfusion (Okatani, Y. (469) 145)

GABA_A receptor

(Swiss Webster mouse); Benzodiazepine coupling; Diazepam; DMCM; Benzodiazepine inverse agonist; Benzodiazepine Type-1 receptor agonist (Davies, D.L. (469) 37)

Diazepam; Neonatal reflex; Pentylentetrazol; Convulsion (Nicosia, A. (469) 103)

Gastrointestinal motility

Endomorphin-1; Antinociception; μ -Opioid receptor; Naloxonazine; Naloxone methiodide (Spampinato, S. (469) 89)

Gene expression

Antisense; Cocaine; Conditioned place preference; Convulsion; Locomotor activity; Microarray; Sensitization; σ Receptor (Matsumoto, R.R. (469) 1)

Glucagon

Exendin-4; Insulin; Somatostatin (Silvestre, R.A. (469) 195)

Glycyrrhizae radix

Bakumondo-to (Mai-men-dong-tang); Antitussive effect; Cough; Kampo preparation (Kamei, J. (469) 159)

Hippocampus

Cannabinoid; Exocytotic release; Nerve terminal; Ca²⁺ channel (Wang, S.-J. (469) 47)

5-Hydroxytryptamine

Porcine uterus; Pregnancy; Spontaneous contraction; Acetylcholine; Oxytocin; Nitric oxide (Kitazawa, T. (469) 135)

Hyperalgesia

Mg²⁺; MK-801; Mg²⁺-deficiency; (Rat); Nociceptive pathway; Sensitization (Alloui, A. (469) 65)

Immune system

Amiodarone; Myocarditis; Lymphocyte; Mast cell (Matsui, S. (469) 165)

Insulin

Exendin-4; Glucagon; Somatostatin (Silvestre, R.A. (469) 195)

Ischemia/reperfusion

Melatonin; Antioxidant; Free radical; Mitochondria (Okatani, Y. (469) 145)

Kampo preparation

Glycyrrhizae radix; Bakumondo-to (Mai-men-dong-tang); Antitussive effect; Cough (Kamei, J. (469) 159)

Levetiracetam

Anxiety; Anxiolytic effect; Vogel conflict test; Antiepileptic; Chlordiazepoxide (Lamberty, Y. (469) 97)

Locomotor activity

Antisense; Cocaine; Conditioned place preference; Convulsion; Gene expression; Microarray; Sensitization; σ Receptor (Matsumoto, R.R. (469) 1)

Lymphocyte

Amiodarone; Myocarditis; Immune system; Mast cell (Matsui, S. (469) 165)

Lysozyme release

N-formylmethionyl peptide; Neutrophil, human; Chemotaxis; Superoxide anion generation; Receptor binding (Spisani, S. (469) 13)

MAP (mitogen-activated protein) kinase

Nitric oxide (NO); Urinary tract infection; NF- κ B (nuclear factor- κ B); Tyrosine kinase (Poljakovic, M. (469) 21)

Mast cell

Amiodarone; Myocarditis; Immune system; Lymphocyte (Matsui, S. (469) 165)

Melatonin

Antioxidant; Free radical; Mitochondria; Ischemia/reperfusion (Okatani, Y. (469) 145)

Metamizol

Opioid; Antinociception; Potentiation; Tolerance (Hernández-Delgadillo, G.P. (469) 71)

Mg²⁺

MK-801; Hyperalgesia; Mg²⁺-deficiency; (Rat); Nociceptive pathway; Sensitization (Alloui, A. (469) 65)

Mg²⁺-deficiency

Mg²⁺; MK-801; Hyperalgesia; (Rat); Nociceptive pathway; Sensitization (Alloui, A. (469) 65)

Microarray

Antisense; Cocaine; Conditioned place preference; Convulsion; Gene expression; Locomotor activity; Sensitization; σ Receptor (Matsumoto, R.R. (469) 1)

Migraine

Bradykinin; Prostaglandin E₂; Trigeminal; Primary culture (Jenkins, D.W. (469) 29)

Mitochondria

Melatonin; Antioxidant; Free radical; Ischemia/reperfusion (Okatani, Y. (469) 145)

MK-801

Mg²⁺; Hyperalgesia; Mg²⁺-deficiency; (Rat); Nociceptive pathway; Sensitization (Alloui, A. (469) 65)

Monoamine

Agmatine; Antidepressant; PC12 cell; Ca²⁺ (Li, Y.F. (469) 81)

Myocarditis

Amiodarone; Immune system; Lymphocyte; Mast cell (Matsui, S. (469) 165)

Naloxonazine

Endomorphin-1; Antinociception; Gastrointestinal motility; μ -Opioid receptor; Naloxone methiodide (Spampinato, S. (469) 89)

Naloxone methiodide

Endomorphin-1; Antinociception; Gastrointestinal motility; μ -Opioid receptor; Naloxonazine (Spampinato, S. (469) 89)

Neonatal reflex

Diazepam; Pentylenetetrazol; Convulsion; GABA_A receptor (Nicosia, A. (469) 103)

Nerve terminal

Cannabinoid; Exocytotic release; Hippocampus; Ca²⁺ channel (Wang, S.-J. (469) 47)

NET-KO, mouse

Noradrenaline uptake; Cytokine production; Antidepressants (Selmezy, Z. (469) 175)

Neutrophil, human

N-formylmethionyl peptide; Chemotaxis; Superoxide anion generation; Lysozyme release; Receptor binding (Spisani, S. (469) 13)

NF- κ B (nuclear factor- κ B)

Nitric oxide (NO); Urinary tract infection; MAP (mitogen-activated protein) kinase; Tyrosine kinase (Poljakovic, M. (469) 21)

Poly (ADP-ribose) polymerase; 3-Aminobenzamide; 1,5-Dihydroxyisoquinoline; Activator protein-1; Colitis (Zingarelli, B. (469) 183)

***N*-formylmethionyl peptide**

Neutrophil, human; Chemotaxis; Superoxide anion generation; Lysozyme release; Receptor binding (Spisani, S. (469) 13)

Nitric oxide

Porcine uterus; Pregnancy; Spontaneous contraction; Acetylcholine; Oxytocin; 5-Hydroxytryptamine (Kitazawa, T. (469) 135)

Nitric oxide (NO)

Urinary tract infection; MAP (mitogen-activated protein) kinase; NF- κ B (nuclear factor- κ B); Tyrosine kinase (Poljakovic, M. (469) 21)

Nociceptive pathway

Mg²⁺; MK-801; Hyperalgesia; Mg²⁺-deficiency; (Rat); Sensitization (Alloui, A. (469) 65)

Noradrenaline uptake

Cytokine production; Antidepressants; NET-KO, mouse (Selmeczy, Z. (469) 175)

Opioid

Metamizol; Antinociception; Potentiation; Tolerance (Hernández-Delgadillo, G.P. (469) 71)

μ-Opioid receptor

Endomorphin-1; Antinociception; Gastrointestinal motility; Naloxonazine; Naloxone methiodide (Spampinato, S. (469) 89)

δ-Opioid receptor agonist, peripheral

Crotalus durissus terrificus venom; Analgesia; ATP-sensitive K⁺ channel; κ-Opioid receptor agonist, peripheral (Picolo, G. (469) 57)

Oxytocin

Porcine uterus; Pregnancy; Spontaneous contraction; Acetylcholine; 5-Hydroxytryptamine; Nitric oxide (Kitazawa, T. (469) 135)

PC12 cell

Agmatine; Antidepressant; Monoamine; Ca²⁺ (Li, Y.F. (469) 181)

Pentylentetrazol

Diazepam; Neonatal reflex; Convulsion; GABA_A receptor (Nicosia, A. (469) 103)

Poly (ADP-ribose) polymerase

3-Aminobenzamide; 1,5-Dihydroxyisoquinoline; NF-κB (nuclear factor-κB); Activator protein-1; Colitis (Zingarelli, B. (469) 183)

Porcine uterus

Pregnancy; Spontaneous contraction; Acetylcholine; Oxytocin; 5-Hydroxytryptamine; Nitric oxide (Kitazawa, T. (469) 135)

Potentiation

Opioid; Metamizol; Antinociception; Tolerance (Hernández-Delgadillo, G.P. (469) 71)

Pregnancy

Porcine uterus; Spontaneous contraction; Acetylcholine; Oxytocin; 5-Hydroxytryptamine; Nitric oxide (Kitazawa, T. (469) 135)

Primary culture

Bradykinin; Prostaglandin E₂; Trigeminal; Migraine (Jenkins, D.W. (469) 29)

Prostaglandin

Streptozotocin-induced diabetes; Carbachol; Ca²⁺ ionophore A23187; Adenosine A₁ receptor (Talubmook, C. (469) 153)

Prostaglandin E₂

Bradykinin; Trigeminal; Migraine; Primary culture (Jenkins, D.W. (469) 29)

(Rabbit)

Angiotensin II; Renin–angiotensin system; Angiotensin AT₁ receptor antagonist (Nap, A. (469) 117)

(Rat)

Mg²⁺; MK-801; Hyperalgesia; Mg²⁺-deficiency; Nociceptive pathway; Sensitization (Alloui, A. (469) 65)

σ Receptor

Antisense; Cocaine; Conditioned place preference; Convulsion; Gene expression; Locomotor activity; Microarray; Sensitization (Matsumoto, R.R. (469) 1)

Receptor binding

N-formylmethionyl peptide; Neutrophil, human; Chemotaxis; Superoxide anion generation; Lysozyme release (Spisani, S. (469) 13)

Renin–angiotensin system

Angiotensin II; Angiotensin AT₁ receptor antagonist; (Rabbit) (Nap, A. (469) 117)

Sensitization

Antisense; Cocaine; Conditioned place preference; Convulsion; Gene expression; Locomotor activity; Microarray; σ Receptor (Matsumoto, R.R. (469) 1)

Mg²⁺; MK-801; Hyperalgesia; Mg²⁺-deficiency; (Rat); Nociceptive pathway (Alloui, A. (469) 65)

Somatostatin

Exendin-4; Insulin; Glucagon (Silvestre, R.A. (469) 195)

Sphingosine-1-phosphate

S1P receptor; Cerebral vessel; Vasoconstriction; Suramin (Salomone, S. (469) 125)

Spontaneous contraction

Porcine uterus; Pregnancy; Acetylcholine; Oxytocin; 5-Hydroxytryptamine; Nitric oxide (Kitazawa, T. (469) 135)

S1P receptor

Sphingosine-1-phosphate; Cerebral vessel; Vasoconstriction; Suramin (Salomone, S. (469) 125)

Streptozotocin-induced diabetes

Carbachol; Prostaglandin; Ca²⁺ ionophore A23187; Adenosine A₁ receptor (Talubmook, C. (469) 153)

Superoxide anion generation

N-formylmethionyl peptide; Neutrophil, human; Chemotaxis; Lysozyme release; Receptor binding (Spisani, S. (469) 13)

Suramin

Sphingosine-1-phosphate; S1P receptor; Cerebral vessel; Vasoconstriction (Salomone, S. (469) 125)

(Swiss Webster mouse)

GABA_A receptor; Benzodiazepine coupling; Diazepam; DMCM; Benzodiazepine inverse agonist; Benzodiazepine Type-1 receptor agonist (Davies, D.L. (469) 37)

Tolerance

Opioid; Metamizol; Antinociception; Potentiation (Hernández-Delgadillo, G.P. (469) 71)

Trigeminal

Bradykinin; Prostaglandin E₂; Migraine; Primary culture (Jenkins, D.W. (469) 29)

Tyrosine kinase

Nitric oxide (NO); Urinary tract infection; MAP (mitogen-activated protein) kinase; NF-κB (nuclear factor-κB) (Poljakovic, M. (469) 21)

Urinary tract infection

Nitric oxide (NO); MAP (mitogen-activated protein) kinase; NF- κ B (nuclear factor- κ B); Tyrosine kinase (Poljakovic, M. (469) 21)

Urocortin 2

CRF (corticotropin-releasing factor); CRF₂ receptor antagonist; Antisauvagine-30; Cardiovascular (Mackay, K.B. (469) 111)

Vasoconstriction

Sphingosine-1-phosphate; S1P receptor; Cerebral vessel; Suramin (Salomone, S. (469) 125)

Vogel conflict test

Anxiety; Anxiolytic effect; Levetiracetam; Antiepileptic; Chlordiazepoxide (Lamberty, Y. (469) 97)