

Keyword index

Acute renal failure

Ischemia; Reperfusion; $\text{Na}^+/\text{Ca}^{2+}$ exchanger; Endothelin-1 (Ogata, M. (478) 187)

Adriamycin

Low-molecular-weight heparin; Glomerulopathy; Glycosaminoglycan; Oxidative stress (Deepa, P.R. (478) 199)

Agmatine

α -Difluoromethyl-ornithine; Aminoguanidine; Morphine; Analgesia; Tolerance (Lu, G. (478) 139)

Allodynia

Phyllanthus amarus; Lignan; Anti-oedematogenic; Myeloperoxidase; Inflammatory pain; Neuropathic pain (Kassuya, C.A.L. (478) 145)

γ -Aminobutyric acid

Ligand-gated; Anaesthetic; Benzodiazepine; THIP (4,5,6,7-tetrahydroisoxazolo[5,4-c]pyridin-3-ol); Inhibition (Smith, M. (478) 21)

Aminoguanidine

α -Difluoromethyl-ornithine; Agmatine; Morphine; Analgesia; Tolerance (Lu, G. (478) 139)

Amisulpride

Atypical neuroleptic; Opioid receptor sub-type; Antinociception; Tail-flick; Pain (Weizman, T. (478) 155)

Anaesthetic

Ligand-gated; Benzodiazepine; γ -Aminobutyric acid; THIP (4,5,6,7-tetrahydroisoxazolo[5,4-c]pyridin-3-ol); Inhibition (Smith, M. (478) 21)

Analgesia

Neuropathic pain; 5-HT_{1A} receptor; Serotonin (Wu, W.-P. (478) 131)

α -Difluoromethyl-ornithine; Aminoguanidine; Agmatine; Morphine; Tolerance (Lu, G. (478) 139)

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Angiotensin II; 4E-BP1 (4E-binding protein 1); Phosphatidylinositol 3-kinase; mTOR (mammalian target of rapamycin) (Yamakawa, T. (478) 39)

Angiotensin II

4E-BP1 (4E-binding protein 1); Phosphatidylinositol 3-kinase; Angiotensin AT₁ receptor; mTOR (mammalian target of rapamycin) (Yamakawa, T. (478) 39)

Antagonist

YM598; Endothelin ET_A receptor (Yuyama, H. (478) 61)

Anticonvulsant

Binding; Brain; Levetiracetam; Photoaffinity labelling (Fuks, B. (478) 11)

Antiepileptic

Binding; Brain; Levetiracetam (Gillard, M. (478) 1)

Antinociception

Amisulpride; Atypical neuroleptic; Opioid receptor sub-type; Tail-flick; Pain (Weizman, T. (478) 155)

Anti-oedematogenic

Phyllanthus amarus; Lignan; Allodynia; Myeloperoxidase; Inflammatory pain; Neuropathic pain (Kassuya, C.A.L. (478) 145)

Arachidonic acid

Dopamine transport; Voltammetry, rotating disk; Fatty acid; Eicosanoid (Chen, N. (478) 89)

Atypical neuroleptic

Amisulpride; Opioid receptor sub-type; Antinociception; Tail-flick; Pain (Weizman, T. (478) 155)

Autonomic nervous system

Neuropeptide; Vagus; Hepatic cytoprotection (Yoneda, M. (478) 173)

Benzodiazepine

Ligand-gated; Anaesthetic; γ -Aminobutyric acid; THIP (4,5,6,7-tetrahydroisoxazolo[5,4-c]pyridin-3-ol); Inhibition (Smith, M. (478) 21)

Binding

Antiepileptic; Brain; Levetiracetam (Gillard, M. (478) 1)

Anticonvulsant; Brain; Levetiracetam; Photoaffinity labelling (Fuks, B. (478) 11)

Blood vessel

Estrogen receptor; Nitric oxide (NO); Endothelium (Stirone, C. (478) 35)

Brain

Antiepileptic; Binding; Levetiracetam (Gillard, M. (478) 1)

Anticonvulsant; Binding; Levetiracetam; Photoaffinity labelling (Fuks, B. (478) 11)

Brain, rat

Somatostatin; GABA_B receptors; GABA (γ -aminobutyric acid); Glutamate; Hippocampus (Nyitrai, G. (478) 111)

Ca²⁺ imaging

Cyclic nucleotide-gated channel; cAMP; Second messenger assay (Reinscheid, R.K. (478) 27)

cAMP

Cyclic nucleotide-gated channel; Ca²⁺ imaging; Second messenger assay (Reinscheid, R.K. (478) 27)

Capsaicin

Urinary bladder, rat; Cholinergic contraction; Purinergic contraction; Peptidergic response; Electrical field stimulation; Streptozotocin diabetes (Benkó, R. (478) 73)

Cholinergic contraction

Urinary bladder, rat; Capsaicin; Purinergic contraction; Peptidergic response; Electrical field stimulation; Streptozotocin diabetes (Benkó, R. (478) 73)

Choreoathetosis

Dyskinesia; Glutamate; Kynurenic acid; Kynurenine hydroxylase; Movement disorder (Richter, A. (478) 47)

Chymase

Mast cell; Pulmonary fibrosis; Collagen synthesis; TGF- β 1 (transforming growth factor- β 1) (Tomimori, Y. (478) 179)

Cilobradine

Zatebradine; Pacemaker current (I_f); Use-dependence; HCN channel; (Electrophysiology) (Van Bogaert, P.P. (478) 161)

Cl⁻ channel

Stilbene; Mast cell; Exocytosis; Diethylstilbestrol; Hexestrol (Roloff, T. (478) 81)

Collagen synthesis

Chymase; Mast cell; Pulmonary fibrosis; TGF- β 1 (transforming growth factor- β 1) (Tomimori, Y. (478) 179)

Corticosterone

Diazepam; Flow cytometry; Neutrophil; Oxidative burst; Peripheral benzodiazepine receptor; Tolerance development (da Silva, F.R. (478) 97)

Cyclic nucleotide-gated channel

cAMP; Ca²⁺ imaging; Second messenger assay (Reinscheid, R.K. (478) 27)

Diabetes mellitus

Probucol; Leukocyte-endothelial interaction (Zanardo, R.C.O. (478) 211)

Diazepam

Flow cytometry; Neutrophil; Oxidative burst; Peripheral benzodiazepine receptor; Corticosterone; Tolerance development (da Silva, F.R. (478) 97)

Diethylstilbestrol

Stilbene; Mast cell; Cl⁻ channel; Exocytosis; Hexestrol (Roloff, T. (478) 81)

 α -Difluoromethyl-ornithine

Aminoguanidine; Agmatine; Morphine; Analgesia; Tolerance (Lu, G. (478) 139)

Dopamine transport

Voltammetry, rotating disk; Arachidonic acid; Fatty acid; Eicosanoid (Chen, N. (478) 89)

Dorsal raphe nucleus

Sleep; REM sleep; Laterodorsal tegmental nucleus; Medial pontine reticular formation; 5-HT_{1A} receptor (Monti, J.M. (478) 121)

Drinking

Water intake; Histamine system; Morphine; Naloxone; (rat) (Eidi, M. (478) 105)

Dyskinesia

Choreoathetosis; Glutamate; Kynurenic acid; Kynurenine hydroxylase; Movement disorder (Richter, A. (478) 47)

4E-BP1 (4E-binding protein 1)

Angiotensin II; Phosphatidylinositol 3-kinase; Angiotensin AT₁ receptor; mTOR (mammalian target of rapamycin) (Yamakawa, T. (478) 39)

Eicosanoid

Dopamine transport; Voltammetry, rotating disk; Arachidonic acid; Fatty acid (Chen, N. (478) 89)

Electrical field stimulation

Urinary bladder, rat; Capsaicin; Cholinergic contraction; Purinergic contraction; Peptidergic response; Streptozotocin diabetes (Benkó, R. (478) 73)

(Electrophysiology)

Cilobradine; Zatebradine; Pacemaker current (I_f); Use-dependence; HCN channel (Van Bogaert, P.P. (478) 161)

Endothelin-1

Ischemia; Reperfusion; Acute renal failure; Na⁺/Ca²⁺ exchanger (Ogata, M. (478) 187)

Endothelin ET_A receptor

YM598; Antagonist (Yuyama, H. (478) 61)

Endothelium

Estrogen receptor; Nitric oxide (NO); Blood vessel (Stirone, C. (478) 35)

Estrogen receptor

Nitric oxide (NO); Blood vessel; Endothelium (Stirone, C. (478) 35)

Exocytosis

Stilbene; Mast cell; Cl⁻ channel; Diethylstilbestrol; Hexestrol (Roloff, T. (478) 81)

Fatty acid

Dopamine transport; Voltammetry, rotating disk; Arachidonic acid; Eicosanoid (Chen, N. (478) 89)

Flow cytometry

Diazepam; Neutrophil; Oxidative burst; Peripheral benzodiazepine receptor; Corticosterone; Tolerance development (da Silva, F.R. (478) 97)

GABA (γ -aminobutyric acid)

Somatostatin; GABA_B receptors; Glutamate; Hippocampus; Brain, rat (Nyitrai, G. (478) 111)

GABA_B receptors

Somatostatin; GABA (γ -aminobutyric acid); Glutamate; Hippocampus; Brain, rat (Nyitrai, G. (478) 111)

Glomerulopathy

Low-molecular-weight heparin; Adriamycin; Glycosaminoglycan; Oxidative stress (Deepa, P.R. (478) 199)

Glutamate

Choreoathetosis; Dyskinesia; Kynurenic acid; Kynurenine hydroxylase; Movement disorder (Richter, A. (478) 47)

Somatostatin; GABA_B receptors; GABA (γ -aminobutyric acid); Hippocampus; Brain, rat (Nyitrai, G. (478) 111)

Glycosaminoglycan

Low-molecular-weight heparin; Adriamycin; Glomerulopathy; Oxidative stress (Deepa, P.R. (478) 199)

HCN channel

Cilobradine; Zatebradine; Pacemaker current (I_f); Use-dependence; (Electrophysiology) (Van Bogaert, P.P. (478) 161)

Heart

HSP27 (heat-shock protein 27); Thyroxine; Ischaemia–reperfusion; (Rat) (Pantos, C. (478) 53)

Hepatic cytoprotection

Neuropeptide; Vagus; Autonomic nervous system (Yoneda, M. (478) 173)

Hexestrol

Stilbene; Mast cell; Cl^- channel; Exocytosis; Diethylstilbestrol (Roloff, T. (478) 81)

Hippocampus

Somatostatin; GABA_B receptors; GABA (γ -aminobutyric acid); Glutamate; Brain, rat (Nyitrai, G. (478) 111)

Histamine system

Water intake; Drinking; Morphine; Naloxone; (rat) (Eidi, M. (478) 105)

HSP27 (heat-shock protein 27)

Thyroxine; Ischaemia–reperfusion; Heart; (Rat) (Pantos, C. (478) 53)

5-HT_{1A} receptor

Sleep; REM sleep; Dorsal raphe nucleus; Laterodorsal tegmental nucleus; Medial pontine reticular formation (Monti, J.M. (478) 121)

Analgesia; Neuropathic pain; Serotonin (Wu, W.-P. (478) 131)

Inflammatory pain

Phyllanthus amarus; Lignan; Allodynia; Anti-oedematogenic; Myeloperoxidase; Neuropathic pain (Kassuya, C.A.L. (478) 145)

Inhibition

Ligand-gated; Anaesthetic; Benzodiazepine; γ -Aminobutyric acid; THIP (4,5,6,7-tetrahydroisoxazolo[5,4-c]pyridin-3-ol) (Smith, M. (478) 21)

Ischaemia–reperfusion

HSP27 (heat-shock protein 27); Thyroxine; Heart; (Rat) (Pantos, C. (478) 53)

Ischemia

Reperfusion; Acute renal failure; $\text{Na}^+/\text{Ca}^{2+}$ exchanger; Endothelin-1 (Ogata, M. (478) 187)

Kynurenic acid

Choreoathetosis; Dyskinesia; Glutamate; Kynurenine hydroxylase; Movement disorder (Richter, A. (478) 47)

Kynurenine hydroxylase

Choreoathetosis; Dyskinesia; Glutamate; Kynurenic acid; Movement disorder (Richter, A. (478) 47)

Laterodorsal tegmental nucleus

Sleep; REM sleep; Dorsal raphe nucleus; Medial pontine reticular formation; 5-HT_{1A} receptor (Monti, J.M. (478) 121)

Leukocyte–endothelial interaction

Diabetes mellitus; Probuco (Zanardo, R.C.O. (478) 211)

Levetiracetam

Antiepileptic; Binding; Brain (Gillard, M. (478) 1)

Anticonvulsant; Binding; Brain; Photoaffinity labelling (Fuks, B. (478) 11)

Ligand-gated

Anaesthetic; Benzodiazepine; γ -Aminobutyric acid; THIP (4,5,6,7-tetrahydroisoxazolo[5,4-c]pyridin-3-ol); Inhibition (Smith, M. (478) 21)

Lignan

Phyllanthus amarus; Allodynia; Anti-oedematogenic; Myeloperoxidase; Inflammatory pain; Neuropathic pain (Kassuya, C.A.L. (478) 145)

Low-molecular-weight heparin

Adriamycin; Glomerulopathy; Glycosaminoglycan; Oxidative stress (Deepa, P.R. (478) 199)

Mast cell

Stilbene; Cl^- channel; Exocytosis; Diethylstilbestrol; Hexestrol (Roloff, T. (478) 81)

Chymase; Pulmonary fibrosis; Collagen synthesis; TGF- β 1 (transforming growth factor- β 1) (Tomimori, Y. (478) 179)

Medial pontine reticular formation

Sleep; REM sleep; Dorsal raphe nucleus; Laterodorsal tegmental nucleus; 5-HT_{1A} receptor (Monti, J.M. (478) 121)

Morphine

Water intake; Drinking; Histamine system; Naloxone; (rat) (Eidi, M. (478) 105)

α -Difluoromethyl-ornithine; Aminoguanidine; Agmatine; Analgesia; Tolerance (Lu, G. (478) 139)

Movement disorder

Choreoathetosis; Dyskinesia; Glutamate; Kynurenic acid; Kynurenine hydroxylase (Richter, A. (478) 47)

mTOR (mammalian target of rapamycin)

Angiotensin II; 4E-BP1 (4E-binding protein 1); Phosphatidylinositol 3-kinase; Angiotensin AT₁ receptor (Yamakawa, T. (478) 39)

Myeloperoxidase

Phyllanthus amarus; Lignan; Allodynia; Anti-oedematogenic; Inflammatory pain; Neuropathic pain (Kassuya, C.A.L. (478) 145)

 $\text{Na}^+/\text{Ca}^{2+}$ exchanger

Ischemia; Reperfusion; Acute renal failure; Endothelin-1 (Ogata, M. (478) 187)

Naloxone

Water intake; Drinking; Histamine system; Morphine; (rat) (Eidi, M. (478) 105)

Neuropathic pain

Analgesia; 5-HT_{1A} receptor; Serotonin (Wu, W.-P. (478) 131)

Phyllanthus amarus; Lignan; Allodynia; Anti-oedematogenic; Myeloperoxidase; Inflammatory pain (Kassuya, C.A.L. (478) 145)

Neuropeptide

Vagus; Autonomic nervous system; Hepatic cytoprotection (Yoneda, M. (478) 173)

Neutrophil

Diazepam; Flow cytometry; Oxidative burst; Peripheral benzodiazepine receptor; Corticosterone; Tolerance development (da Silva, F.R. (478) 97)

Nitric oxide (NO)

Estrogen receptor; Blood vessel; Endothelium (Stirone, C. (478) 35)

Opioid receptor antagonist

μ -Ser196Ala; Vas deferens, mouse; μ -Opioid receptor knockout (Portoghese, P.S. (478) 207)

μ-Opioid receptor knockout

μ-Ser196Ala; Vas deferens, mouse; Opioid receptor antagonist (Portoghese, P.S. (478) 207)

Opioid receptor sub-type

Amisulpride; Atypical neuroleptic; Antinociception; Tail-flick; Pain (Weizman, T. (478) 155)

Oxidative burst

Diazepam; Flow cytometry; Neutrophil; Peripheral benzodiazepine receptor; Corticosterone; Tolerance development (da Silva, F.R. (478) 97)

Oxidative stress

Low-molecular-weight heparin; Adriamycin; Glomerulopathy; Glycosaminoglycan (Deepa, P.R. (478) 199)

Pacemaker current (I_f)

Cilobradine; Zatebradine; Use-dependence; HCN channel; (Electrophysiology) (Van Bogaert, P.P. (478) 161)

Pain

Amisulpride; Atypical neuroleptic; Opioid receptor sub-type; Antinociception; Tail-flick (Weizman, T. (478) 155)

Peptidergic response

Urinary bladder, rat; Capsaicin; Cholinergic contraction; Purinergic contraction; Electrical field stimulation; Streptozotocin diabetes (Benkó, R. (478) 73)

Peripheral benzodiazepine receptor

Diazepam; Flow cytometry; Neutrophil; Oxidative burst; Corticosterone; Tolerance development (da Silva, F.R. (478) 97)

Phosphatidylinositol 3-kinase

Angiotensin II; 4E-BP1 (4E-binding protein 1); Angiotensin AT₁ receptor; mTOR (mammalian target of rapamycin) (Yamakawa, T. (478) 39)

Photoaffinity labelling

Anticonvulsant; Binding; Brain; Levetiracetam (Fuks, B. (478) 11)

Phyllanthus amarus

Lignan; Allodynia; Anti-oedematogenic; Myeloperoxidase; Inflammatory pain; Neuropathic pain (Kassuya, C.A.L. (478) 145)

Probuco

Diabetes mellitus; Leukocyte–endothelial interaction (Zanardo, R.C.O. (478) 211)

Pulmonary fibrosis

Chymase; Mast cell; Collagen synthesis; TGF-β1 (transforming growth factor-β1) (Tomimori, Y. (478) 179)

Purinergic contraction

Urinary bladder, rat; Capsaicin; Cholinergic contraction; Peptidergic response; Electrical field stimulation; Streptozotocin diabetes (Benkó, R. (478) 73)

(Rat)

HSP27 (heat-shock protein 27); Thyroxine; Ischaemia–reperfusion; Heart (Pantos, C. (478) 53)

Water intake; Drinking; Histamine system; Morphine; Naloxone (Eidi, M. (478) 105)

REM sleep

Sleep; Dorsal raphe nucleus; Laterodorsal tegmental nucleus; Medial pontine reticular formation; 5-HT_{1A} receptor (Monti, J.M. (478) 121)

Reperfusion

Ischemia; Acute renal failure; Na⁺/Ca²⁺ exchanger; Endothelin-1 (Ogata, M. (478) 187)

Second messenger assay

Cyclic nucleotide-gated channel; cAMP; Ca²⁺ imaging (Reinscheid, R.K. (478) 27)

μ-Ser196Ala

Vas deferens, mouse; Opioid receptor antagonist; μ-Opioid receptor knockout (Portoghese, P.S. (478) 207)

Serotonin

Analgesia; Neuropathic pain; 5-HT_{1A} receptor (Wu, W.-P. (478) 131)

Sleep

REM sleep; Dorsal raphe nucleus; Laterodorsal tegmental nucleus; Medial pontine reticular formation; 5-HT_{1A} receptor (Monti, J.M. (478) 121)

Somatostatin

GABA_B receptors; GABA (γ-aminobutyric acid); Glutamate; Hippocampus; Brain, rat (Nyitrai, G. (478) 111)

Stilbene

Mast cell; Cl[−] channel; Exocytosis; Diethylstilbestrol; Hexestrol (Roloff, T. (478) 81)

Streptozotocin diabetes

Urinary bladder, rat; Capsaicin; Cholinergic contraction; Purinergic contraction; Peptidergic response; Electrical field stimulation (Benkó, R. (478) 73)

Tail-flick

Amisulpride; Atypical neuroleptic; Opioid receptor sub-type; Antinociception; Pain (Weizman, T. (478) 155)

TGF-β1 (transforming growth factor-β1)

Chymase; Mast cell; Pulmonary fibrosis; Collagen synthesis (Tomimori, Y. (478) 179)

THIP (4,5,6,7-tetrahydroisoxazolo[5,4-c]pyridin-3-ol)

Ligand-gated; Anaesthetic; Benzodiazepine; γ-Aminobutyric acid; Inhibition (Smith, M. (478) 21)

Thyroxine

HSP27 (heat-shock protein 27); Ischaemia–reperfusion; Heart; (Rat) (Pantos, C. (478) 53)

Tolerance

α-Difluoromethyl-ornithine; Aminoguanidine; Agmatine; Morphine; Analgesia (Lu, G. (478) 139)

Tolerance development

Diazepam; Flow cytometry; Neutrophil; Oxidative burst; Peripheral benzodiazepine receptor; Corticosterone (da Silva, F.R. (478) 97)

Urinary bladder, rat

Capsaicin; Cholinergic contraction; Purinergic contraction; Peptidergic response; Electrical field stimulation; Streptozotocin diabetes (Benkó, R. (478) 73)

Use-dependence

Cilobradine; Zatebradine; Pacemaker current (I_f); HCN channel; (Electrophysiology) (Van Bogaert, P.P. (478) 161)

Vagus

Neuropeptide; Autonomic nervous system; Hepatic cytoprotection (Yoneda, M. (478) 173)

Vas deferens, mouse

μ -Ser196Ala; Opioid receptor antagonist; μ -Opioid receptor knockout (Portoghese, P.S. (478) 207)

Voltammetry, rotating disk

Dopamine transport; Arachidonic acid; Fatty acid; Eicosanoid (Chen, N. (478) 89)

Water intake

Drinking; Histamine system; Morphine; Naloxone; (rat) (Eidi, M. (478) 105)

YM598

Antagonist; Endothelin ET_A receptor (Yuyama, H. (478) 61)

Zatebradine

Cilobradine; Pacemaker current (I_f); Use-dependence; HCN channel; (Electrophysiology) (Van Bogaert, P.P. (478) 161)