

Keyword index

Acarbose

Intestinal glucose transport; SGLT1; GLUT1; GLUT2; Diabetes mellitus (Paiva, L. (434) 197)

Acetylcholine

Pulmonary artery, rat; Muscarinic M₃ receptor; Nitric oxide (NO); MAP (mitogen-activated protein) kinase (Choy, W.Y. (434) 55)

Adaptive gastroprotection

Sodium salicylate; Cyclooxygenase-2; Gastric mucosal damage; Ischaemia–reperfusion; Nitric oxide (NO) (Peskar, B.M. (434) 65)

Aging

CGRP (calcitonin gene-related peptide); Blood pressure; Gender; Ovariectomy; Artery (Chan, G.H.H. (434) 133)

Air pouch, mouse

Pyrroloquinazoline; Eicosanoid; Cyclo-oxygenase-2; Carrageenan paw oedema; Analgesia (Rioja, I. (434) 177)

Analgesia

Pyrroloquinazoline; Eicosanoid; Cyclo-oxygenase-2; Air pouch, mouse; Carrageenan paw oedema (Rioja, I. (434) 177)

Anandamide

Ileum; Cannabinoid CB₁ receptor; GABA (γ-aminobutyric acid) release; Ethylenediamine; (Guinea pig) (Begg, M. (434) 87)

Antioxidant

Atherosclerosis; Cell proliferation; Green tea catechin; LDL (low-density lipoprotein); Mitogen-activated kinase; Risk factor; Smooth muscle cell, vascular (Locher, R. (434) 1)

Antipsychotic drug

Muscarinic receptor antagonist; Striatum; Muscle rigidity; (EMG) Electromyogram (Hemsley, K.M. (434) 117)

Apoptosis

Glutathione; Neuroblastoma; Dopamine receptor; Parkinson's disease (Uberti, D. (434) 17)

Artery

CGRP (calcitonin gene-related peptide); Blood pressure; Gender; Aging; Ovariectomy (Chan, G.H.H. (434) 133)

Atherosclerosis

Antioxidant; Cell proliferation; Green tea catechin; LDL (low-density lipoprotein); Mitogen-activated kinase; Risk factor; Smooth muscle cell, vascular (Locher, R. (434) 1)

Benign prostatic hyperplasia

Diabetes mellitus, type I; Prostate gland; Noradrenaline; Protein kinase C (Ramasamy, S. (434) 151)

Binding assay

Zaleplon; Nonbenzodiazepine; Hypnotic; ω₁ receptor; EEG (electroencephalogram) (Noguchi, H. (434) 21)

Blood flow

Glutathione; Mucus; Nicotine; Prostaglandin E₂; Gastric ulcer (Wong, D. (434) 81)

Blood pressure

CGRP (calcitonin gene-related peptide); Gender; Aging; Ovariectomy; Artery (Chan, G.H.H. (434) 133)

Bronchial asthma

Low-molecular-weight heparin; Poly-L-glutamic acid; Poly-L-lysine; Cationic–anionic interaction (Yahata, T. (434) 71)

Ca²⁺ channel blocker

L-*cis* Diltiazem; Myocardial ischemia; K⁺ accumulation; (Guinea pig) (Sato, R. (434) 125)

Ca²⁺ channel, N-type

Cilnidipine; ω-Conotoxin MVIIA; Sympathetic nerve (Takahara, A. (434) 43)

Ca²⁺ concentration, cellular-free

DMDI (1-(3',4'-dimethoxybenzyl)-6,7-dichloroisoquinoline); Neutrophil; Respiratory burst; Signal transduction; Phospholipase D; MAP (Mitogen-activated protein) kinase (Wang, J.-P. (434) 9)

cAMP production

CGRP receptor; Cerebral vessel, human; Dilatation (Edvinsson, L. (434) 49)

Cannabinoid CB₁ receptor

Ileum; GABA (γ-aminobutyric acid) release; Ethylenediamine; Anandamide; (Guinea pig) (Begg, M. (434) 87)

Carrageenan paw oedema

Pyrroloquinazoline; Eicosanoid; Cyclo-oxygenase-2; Air pouch, mouse; Analgesia (Rioja, I. (434) 177)

Cationic–anionic interaction

Bronchial asthma; Low-molecular-weight heparin; Poly-L-glutamic acid; Poly-L-lysine (Yahata, T. (434) 71)

Cell proliferation

Antioxidant; Atherosclerosis; Green tea catechin; LDL (low-density lipoprotein); Mitogen-activated kinase; Risk factor; Smooth muscle cell, vascular (Locher, R. (434) 1)

Cerebral vessel, human

CGRP receptor; cAMP production; Dilatation (Edvinsson, L. (434) 49)

CGRP (calcitonin gene-related peptide)

Blood pressure; Gender; Aging; Ovariectomy; Artery (Chan, G.H.H. (434) 133)

CGRP receptor

Cerebral vessel, human; cAMP production; Dilatation (Edvinsson, L. (434) 49)

Cilnidipine

ω -Conotoxin MVIIA; Sympathetic nerve; Ca^{2+} channel, N-type (Takahara, A. (434) 43)

L-cis Diltiazem

Myocardial ischemia; K^{+} accumulation; Ca^{2+} channel blocker; (Guinea pig) (Sato, R. (434) 125)

 ω -Conotoxin MVIIA

Cilnidipine; Sympathetic nerve; Ca^{2+} channel, N-type (Takahara, A. (434) 43)

Cyclooxygenase-2

Sodium salicylate; Gastric mucosal damage; Ischaemia–reperfusion; Adaptive gastroprotection; Nitric oxide (NO) (Peskar, B.M. (434) 65)

Cyclo-oxygenase-2

Pyrroloquinazoline; Eicosanoid; Air pouch, mouse; Carrageenan paw oedema; Analgesia (Rioja, I. (434) 177)

Diabetes mellitus

Acarbose; Intestinal glucose transport; SGLT1; GLUT1; GLUT2 (Paiva, L. (434) 197)

Diabetes mellitus, type I

Prostate gland; Benign prostatic hyperplasia; Noradrenaline; Protein kinase C (Ramasamy, S. (434) 151)

Diabetes, type 2

³¹Phosphorus magnetic resonance spectroscopy; Heart, isolated, working; Ischemia; Metabolism; Glibenclamide; K_{ATP} channel (Legtenberg, R.J. (434) 35)

Dilatation

CGRP receptor; Cerebral vessel, human; cAMP production (Edvinsson, L. (434) 49)

DMDI (1-(3',4'-dimethoxybenzyl)-6,7-dichloroisoquinoline)

Neutrophil; Respiratory burst; Signal transduction; Phospholipase D; MAP (Mitogen-activated protein) kinase; Ca^{2+} concentration, cellular-free (Wang, J.-P. (434) 9)

Dopamine D2 receptor

Gastric emptying; KDR-5169; 5-HT₄ receptor (Tazawa, S. (434) 169)

Dopamine receptor

Apoptosis; Glutathione; Neuroblastoma; Parkinson's disease (Uberti, D. (434) 17)

EEG (electroencephalogram)

Zaleplon; Nonbenzodiazepine; Hypnotic; ω_1 receptor; Binding assay (Noguchi, H. (434) 21)

Eicosanoid

Pyrroloquinazoline; Cyclo-oxygenase-2; Air pouch, mouse; Carrageenan paw oedema; Analgesia (Rioja, I. (434) 177)

(EMG) Electromyogram

Muscarinic receptor antagonist; Antipsychotic drug; Striatum; Muscle rigidity (Hemsley, K.M. (434) 117)

Endothelial dysfunction

Neutrophil adhesion; Endothelium glycocalyx; Reperfusion injury; Heart, guinea-pig, isolated; Oxygen free radical (Kurzelewski, M. (434) 95)

Endothelium glycocalyx

Endothelial dysfunction; Neutrophil adhesion; Reperfusion injury; Heart, guinea-pig, isolated; Oxygen free radical (Kurzelewski, M. (434) 95)

Estrogen

Raloxifene; Nitric oxide (NO); Nitric oxide (NO) synthase, endothelial (Rahimian, R. (434) 141)

Ethylenediamine

Ileum; Cannabinoid CB₁ receptor; GABA (γ -aminobutyric acid) release; Anandamide; (Guinea pig) (Begg, M. (434) 87)

GABA (γ -aminobutyric acid) release

Ileum; Cannabinoid CB₁ receptor; Ethylenediamine; Anandamide; (Guinea pig) (Begg, M. (434) 87)

Gastric emptying

KDR-5169; 5-HT₄ receptor; Dopamine D2 receptor (Tazawa, S. (434) 169)

Gastric mucosal damage

Sodium salicylate; Cyclooxygenase-2; Ischaemia–reperfusion; Adaptive gastroprotection; Nitric oxide (NO) (Peskar, B.M. (434) 65)

Gastric ulcer

Blood flow; Glutathione; Mucus; Nicotine; Prostaglandin E₂ (Wong, D. (434) 81)

Gender

CGRP (calcitonin gene-related peptide); Blood pressure; Aging; Ovariectomy; Artery (Chan, G.H.H. (434) 133)

Glibenclamide

³¹Phosphorus magnetic resonance spectroscopy; Heart, isolated, working; Ischemia; Metabolism; Diabetes, type 2; K_{ATP} channel (Legtenberg, R.J. (434) 35)

GLUT1

Acarbose; Intestinal glucose transport; SGLT1; GLUT2; Diabetes mellitus (Paiva, L. (434) 197)

GLUT2

Acarbose; Intestinal glucose transport; SGLT1; GLUT1; Diabetes mellitus (Paiva, L. (434) 197)

Glutathione

Apoptosis; Neuroblastoma; Dopamine receptor; Parkinson's disease (Uberti, D. (434) 17)

Blood flow; Mucus; Nicotine; Prostaglandin E₂; Gastric ulcer (Wong, D. (434) 81)

Green tea catechin

Antioxidant; Atherosclerosis; Cell proliferation; LDL (low-density lipoprotein); Mitogen-activated kinase; Risk factor; Smooth muscle cell, vascular (Locher, R. (434) 1)

Heart, guinea-pig, isolated

Endothelial dysfunction; Neutrophil adhesion; Endothelium glycocalyx; Reperfusion injury; Oxygen free radical (Kurzelewski, M. (434) 95)

Heart, isolated, working

³¹Phosphorus magnetic resonance spectroscopy; Ischemia; Metabolism; Diabetes, type 2; Glibenclamide; K_{ATP} channel (Legtenberg, R.J. (434) 35)

Hemodynamics, renal

rGLP-1 (glucagon-like peptide-1-(7-36)amide), recombinant; Kidney; Proximal tubule (Moreno, C. (434) 163)

Histamine H₁ receptor

Tachykinin NK₁ receptor; NMDA receptor; Nitric oxide (NO); Hyperalgesia (Sakurada, S. (434) 29)

5-HT₄ receptor

Gastric emptying; KDR-5169; Dopamine D2 receptor (Tazawa, S. (434) 169)

Hyperalgesia

Histamine H₁ receptor; Tachykinin NK₁ receptor; NMDA receptor; Nitric oxide (NO) (Sakurada, S. (434) 29)

Hypnotic

Zaleplon; Nonbenzodiazepine; ω_1 receptor; Binding assay; EEG (electroencephalogram) (Noguchi, H. (434) 21)

Ileum

Cannabinoid CB₁ receptor; GABA (γ -aminobutyric acid) release; Ethylenediamine; Anandamide; (Guinea pig) (Begg, M. (434) 87)

Interleukin-6

PAF (platelet-activating factor); Prostaglandin E₂; Thapsigargin; SK & F 98625; Macrophage (Ichinowatari, G. (434) 187)

Intestinal glucose transport

Acarbose; SGLT1; GLUT1; GLUT2; Diabetes mellitus (Paiva, L. (434) 197)

Ischaemia–reperfusion

Sodium salicylate; Cyclooxygenase-2; Gastric mucosal damage; Adaptive gastrophrotection; Nitric oxide (NO) (Peskar, B.M. (434) 65)

Ischemia

³¹Phosphorus magnetic resonance spectroscopy; Heart, isolated, working; Metabolism; Diabetes, type 2; Glibenclamide; K_{ATP} channel (Legtenberg, R.J. (434) 35)

K⁺ accumulation

L-*cis* Diltiazem; Myocardial ischemia; Ca²⁺ channel blocker; (Guinea pig) (Sato, R. (434) 125)

K_{ATP} channel

³¹Phosphorus magnetic resonance spectroscopy; Heart, isolated, working; Ischemia; Metabolism; Diabetes, type 2; Glibenclamide (Legtenberg, R.J. (434) 35)

KDR-5169

Gastric emptying; 5-HT₄ receptor; Dopamine D2 receptor (Tazawa, S. (434) 169)

Kidney

rGLP-1 (glucagon-like peptide-1-(7-36)amide), recombinant; Hemodynamics, renal; Proximal tubule (Moreno, C. (434) 163)

LDL (low-density lipoprotein)

Antioxidant; Atherosclerosis; Cell proliferation; Green tea catechin; Mitogen-activated kinase; Risk factor; Smooth muscle cell, vascular (Locher, R. (434) 1)

Low-molecular-weight heparin

Bronchial asthma; Poly-L-glutamic acid; Poly-L-lysine; Cationic–anionic interaction (Yahata, T. (434) 71)

Macrophage

PAF (platelet-activating factor); Interleukin-6; Prostaglandin E₂; Thapsigargin; SK & F 98625 (Ichinowatari, G. (434) 187)

MAP (Mitogen-activated protein) kinase

DMDI (1-(3',4'-dimethoxybenzyl)-6,7-dichloroquinoline); Neutrophil; Respiratory burst; Signal transduction; Phospholipase D; Ca²⁺ concentration, cellular-free (Wang, J.-P. (434) 9)

MAP (mitogen-activated protein) kinase

Acetylcholine; Pulmonary artery, rat; Muscarinic M₃ receptor; Nitric oxide (NO) (Choy, W.Y. (434) 55)

Metabolism

³¹Phosphorus magnetic resonance spectroscopy; Heart, isolated, working; Ischemia; Diabetes, type 2; Glibenclamide; K_{ATP} channel (Legtenberg, R.J. (434) 35)

L-methamphetamine

Parkinson's disease; Rasagiline; Selegiline; 1-*R*-aminoindan; Neurotoxicity; Neuroprotection; Oxygen–glucose deprivation (Abu-Raya, S. (434) 109)

Mitogen-activated kinase

Antioxidant; Atherosclerosis; Cell proliferation; Green tea catechin; LDL (low-density lipoprotein); Risk factor; Smooth muscle cell, vascular (Locher, R. (434) 1)

Mucus

Blood flow; Glutathione; Nicotine; Prostaglandin E₂; Gastric ulcer (Wong, D. (434) 81)

Muscarinic M₃ receptor

Acetylcholine; Pulmonary artery, rat; Nitric oxide (NO); MAP (mitogen-activated protein) kinase (Choy, W.Y. (434) 55)

Muscarinic receptor antagonist

Antipsychotic drug; Striatum; Muscle rigidity; (EMG) Electromyogram (Hemsley, K.M. (434) 117)

Muscle rigidity

Muscarinic receptor antagonist; Antipsychotic drug; Striatum; (EMG) Electromyogram (Hemsley, K.M. (434) 117)

Myocardial ischemia

L-*cis* Diltiazem; K⁺ accumulation; Ca²⁺ channel blocker; (Guinea pig) (Sato, R. (434) 125)

Neuroblastoma

Apoptosis; Glutathione; Dopamine receptor; Parkinson's disease (Uberti, D. (434) 17)

Neuroprotection

Parkinson's disease; Rasagiline; Selegiline; 1-*R*-aminoindan; L-methamphetamine; Neurotoxicity; Oxygen–glucose deprivation (Abu-Raya, S. (434) 109)

Neurotoxicity

Parkinson's disease; Rasagiline; Selegiline; 1-*R*-aminoindan; L-methamphetamine; Neuroprotection; Oxygen–glucose deprivation (Abu-Raya, S. (434) 109)

Neutrophil

DMDI (1-(3',4'-dimethoxybenzyl)-6,7-dichloroisoquinoline); Respiratory burst; Signal transduction; Phospholipase D; MAP (Mitogen-activated protein) kinase; Ca^{2+} concentration, cellular-free (Wang, J.-P. (434) 9)

Neutrophil adhesion

Endothelial dysfunction; Endothelium glycocalyx; Reperfusion injury; Heart, guinea-pig, isolated; Oxygen free radical (Kurzelewski, M. (434) 95)

Nicotine

Blood flow; Glutathione; Mucus; Prostaglandin E_2 ; Gastric ulcer (Wong, D. (434) 81)

Nitric oxide (NO)

Histamine H_1 receptor; Tachykinin NK_1 receptor; NMDA receptor; Hyperalgesia (Sakurada, S. (434) 29)

Acetylcholine; Pulmonary artery, rat; Muscarinic M_3 receptor; MAP (mitogen-activated protein) kinase (Choy, W.Y. (434) 55)

Sodium salicylate; Cyclooxygenase-2; Gastric mucosal damage; Ischaemia-reperfusion; Adaptive gastroprotection (Peskar, B.M. (434) 65)

Estrogen; Raloxifene; Nitric oxide (NO) synthase, endothelial (Rahimian, R. (434) 141)

Nitric oxide (NO) synthase, endothelial

Estrogen; Raloxifene; Nitric oxide (NO) (Rahimian, R. (434) 141)

NMDA receptor

Histamine H_1 receptor; Tachykinin NK_1 receptor; Nitric oxide (NO); Hyperalgesia (Sakurada, S. (434) 29)

Nonbenzodiazepine

Zaleplon; Hypnotic; ω_1 receptor; Binding assay; EEG (electroencephalogram) (Noguchi, H. (434) 21)

Noradrenaline

Diabetes mellitus, type I; Prostate gland; Benign prostatic hyperplasia; Protein kinase C (Ramasamy, S. (434) 151)

Ovariectomy

CGRP (calcitonin gene-related peptide); Blood pressure; Gender; Aging; Artery (Chan, G.H.H. (434) 133)

Oxygen free radical

Endothelial dysfunction; Neutrophil adhesion; Endothelium glycocalyx; Reperfusion injury; Heart, guinea-pig, isolated (Kurzelewski, M. (434) 95)

Oxygen-glucose deprivation

Parkinson's disease; Rasagiline; Selegiline; 1-*R*-aminoindan; L-methamphetamine; Neurotoxicity; Neuroprotection (Abu-Raya, S. (434) 109)

PAF (platelet-activating factor)

Interleukin-6; Prostaglandin E_2 ; Thapsigargin; SK & F 98625; Macrophage (Ichinowatari, G. (434) 187)

Parkinson's disease

Apoptosis; Glutathione; Neuroblastoma; Dopamine receptor (Uberti, D. (434) 17)

Rasagiline; Selegiline; 1-*R*-aminoindan; L-methamphetamine; Neurotoxicity; Neuroprotection; Oxygen-glucose deprivation (Abu-Raya, S. (434) 109)

Phospholipase D

DMDI (1-(3',4'-dimethoxybenzyl)-6,7-dichloroisoquinoline); Neutrophil; Respiratory burst; Signal transduction; MAP (Mitogen-activated protein) kinase; Ca^{2+} concentration, cellular-free (Wang, J.-P. (434) 9)

³¹Phosphorus magnetic resonance spectroscopy

Heart, isolated, working; Ischemia; Metabolism; Diabetes, type 2; Glibenclamide; K_{ATP} channel (Legtenberg, R.J. (434) 35)

Poly-L-glutamic acid

Bronchial asthma; Low-molecular-weight heparin; Poly-L-lysine; Cationic-anionic interaction (Yahata, T. (434) 71)

Poly-L-lysine

Bronchial asthma; Low-molecular-weight heparin; Poly-L-glutamic acid; Cationic-anionic interaction (Yahata, T. (434) 71)

Prostaglandin E_2

Blood flow; Glutathione; Mucus; Nicotine; Gastric ulcer (Wong, D. (434) 81)

PAF (platelet-activating factor); Interleukin-6; Thapsigargin; SK & F 98625; Macrophage (Ichinowatari, G. (434) 187)

Prostate gland

Diabetes mellitus, type I; Benign prostatic hyperplasia; Noradrenaline; Protein kinase C (Ramasamy, S. (434) 151)

Protein kinase C

Diabetes mellitus, type I; Prostate gland; Benign prostatic hyperplasia; Noradrenaline (Ramasamy, S. (434) 151)

Proximal tubule

rGLP-1 (glucagon-like peptide-1-(7-36)amide), recombinant; Kidney; Hemodynamics, renal (Moreno, C. (434) 163)

Pulmonary artery, rat

Acetylcholine; Muscarinic M_3 receptor; Nitric oxide (NO); MAP (mitogen-activated protein) kinase (Choy, W.Y. (434) 55)

Pyrroloquinazoline

Eicosanoid; Cyclo-oxygenase-2; Air pouch, mouse; Carrageenan paw oedema; Analgesia (Rioja, I. (434) 177)

Raloxifene

Estrogen; Nitric oxide (NO); Nitric oxide (NO) synthase, endothelial (Rahimian, R. (434) 141)

1-*R*-aminoindan

Parkinson's disease; Rasagiline; Selegiline; L-methamphetamine; Neurotoxicity; Neuroprotection; Oxygen-glucose deprivation (Abu-Raya, S. (434) 109)

Rasagiline

Parkinson's disease; Selegiline; 1-*R*-aminoindan; L-methamphetamine; Neurotoxicity; Neuroprotection; Oxygen-glucose deprivation (Abu-Raya, S. (434) 109)

 ω_1 receptor

Zaleplon; Nonbenzodiazepine; Hypnotic; Binding assay; EEG (electroencephalogram) (Noguchi, H. (434) 21)

Reperfusion injury

Endothelial dysfunction; Neutrophil adhesion; Endothelium glycocalyx; Heart, guinea-pig, isolated; Oxygen free radical (Kurzelewski, M. (434) 95)

Respiratory burst

DMDI (1-(3',4'-dimethoxybenzyl)-6,7-dichloroisoquinoline); Neutrophil; Signal transduction; Phospholipase D; MAP (Mitogen-activated protein) kinase; Ca^{2+} concentration, cellular-free (Wang, J.-P. (434) 9)

rGLP-1 (glucagon-like peptide-1-(7-36)amide), recombinant

Kidney; Hemodynamics, renal; Proximal tubule (Moreno, C. (434) 163)

Risk factor

Antioxidant; Atherosclerosis; Cell proliferation; Green tea catechin; LDL (low-density lipoprotein); Mitogen-activated kinase; Smooth muscle cell, vascular (Locher, R. (434) 1)

Selegiline

Parkinson's disease; Rasagiline; 1-*R*-aminoindan; L-methamphetamine; Neurotoxicity; Neuroprotection; Oxygen-glucose deprivation (Abu-Raya, S. (434) 109)

SGLT1

Acarbose; Intestinal glucose transport; GLUT1; GLUT2; Diabetes mellitus (Paiva, L. (434) 197)

Signal transduction

DMDI (1-(3',4'-dimethoxybenzyl)-6,7-dichloroisoquinoline); Neutrophil; Respiratory burst; Phospholipase D; MAP (Mitogen-activated protein) kinase; Ca^{2+} concentration, cellular-free (Wang, J.-P. (434) 9)

SK & F 98625

PAF (platelet-activating factor); Interleukin-6; Prostaglandin E_2 ; Thapsigargin; Macrophage (Ichinowatari, G. (434) 187)

Smooth muscle cell, vascular

Antioxidant; Atherosclerosis; Cell proliferation; Green tea catechin; LDL (low-density lipoprotein); Mitogen-activated kinase; Risk factor (Locher, R. (434) 1)

Sodium salicylate

Cyclooxygenase-2; Gastric mucosal damage; Ischaemia-reperfusion; Adaptive gastroprotection; Nitric oxide (NO) (Peskar, B.M. (434) 65)

Striatum

Muscarinic receptor antagonist; Antipsychotic drug; Muscle rigidity; (EMG) Electromyogram (Hemsley, K.M. (434) 117)

Sympathetic nerve

Cilnidipine; ω -Conotoxin MVIIA; Ca^{2+} channel, N-type (Takahara, A. (434) 43)

Tachykinin NK_1 receptor

Histamine H_1 receptor; NMDA receptor; Nitric oxide (NO); Hyperalgesia (Sakurada, S. (434) 29)

Thapsigargin

PAF (platelet-activating factor); Interleukin-6; Prostaglandin E_2 ; SK & F 98625; Macrophage (Ichinowatari, G. (434) 187)

Zaleplon

Nonbenzodiazepine; Hypnotic; ω_1 receptor; Binding assay; EEG (electroencephalogram) (Noguchi, H. (434) 21)