

Keyword index

Adenylyl cyclase

G protein-coupled receptor kinase; β -Adrenoceptor; Protein kinase; Human myocardial tissue; Hemodynamic load; Left ventricular volume overload (Dzimiri, N. (489) 167)

Adolescence

Maternal stress; MDMA; Pharmacokinetics; Behaviour; Individual variability (Morley-Fletcher, S. (489) 89)

Adrenal medulla

Angiotensin; Catecholamine; Canine; Candesartan; Ramipril (Critchley, L. (489) 67)

α_2 -Adrenoceptor

Serotonin; 5-HT_{1A} receptor; Mydriasis; Miosis; Pupil (Yu, Y. (489) 207)

β -Adrenoceptor

G protein-coupled receptor kinase; Adenylyl cyclase; Protein kinase; Human myocardial tissue; Hemodynamic load; Left ventricular volume overload (Dzimiri, N. (489) 167)

Adrenomedullin

Mycophenolate mofetil; Brown Norway, rat; Mercuric chloride; Auto-immune glomerulonephritis (Shi, Y. (489) 127)

Airway hyperresponsiveness

TNF- α ; Bradykinin B₁ and B₂ receptors; Chronic airway inflammation; MAPK pathway (Zhang, Y. (489) 117)

Allergy

Mast cell; Substance P; Neurogenic inflammation; Exocytosis (Karimi, K. (489) 49)

Alzheimer disease

Oxidative injury; Amyloid- β peptide; Garlic compound; Antioxidant defense; Learning; Memory (Pérez-Severiano, F. (489) 197)

Amlodipine

Dietary Ca; Arterial blood pressure; α -Vascular reactivity (Civantos, B. (489) 101)

Amyloid- β peptide

Oxidative injury; Garlic compound; Antioxidant defense; Learning; Memory; Alzheimer disease (Pérez-Severiano, F. (489) 197)

Angiotensin

Adrenal medulla; Catecholamine; Canine; Candesartan; Ramipril (Critchley, L. (489) 67)

Antidepressant

Arc (activity-regulated cytoskeletal associated protein); 5-hydroxytryptamine; SNRI (selective 5-HT/noradrenaline reuptake inhibitor); Neuroplasticity (Pei, Q. (489) 179)

Antinociception

db-cGMP; Diazoxide; K⁺ channel opener; Sodium nitroprusside (Alves, D.P. (489) 59)

Anti-oxidant

Dopamine receptor; Neuroprotection; Oxygen–glucose deprivation; Stroke; Free radical (Miglio, G. (489) 157)

Antioxidant

Resveratrol; Cardiomyocyte; Reactive oxygen species; 4-Hydroxy-2-nonenal; Doxorubicin (Cao, Z. (489) 39)

Antioxidant defense

Oxidative injury; Amyloid- β peptide; Garlic compound; Learning; Memory; Alzheimer disease (Pérez-Severiano, F. (489) 197)

Anxiogenic effect

Nociceptin; Nocistatin; Anxiolytic effect; Hole-board; 5-HT_{1A} receptor (Kamei, J. (489) 77)

Anxiolytic effect

Nociceptin; Nocistatin; Anxiogenic effect; Hole-board; 5-HT_{1A} receptor (Kamei, J. (489) 77)

Apoptosis

Taxol-resistant cell; Polyploidization; PMA; bcl-2 (Zong, Z.-p. (489) 3)

Arc (activity-regulated cytoskeletal associated protein)

Antidepressant; 5-hydroxytryptamine; SNRI (selective 5-HT/noradrenaline reuptake inhibitor); Neuroplasticity (Pei, Q. (489) 179)

Arterial blood pressure

Dietary Ca; Amlodipine; α -Vascular reactivity (Civantos, B. (489) 101)

Atypical cannabinoid receptor

Vascular endothelium; Cell migration (Mo, F.M. (489) 21)

Autoimmune glomerulonephritis

Adrenomedullin; Mycophenolate mofetil; Brown Norway, rat; Mercuric chloride (Shi, Y. (489) 127)

bcl-2

Taxol-resistant cell; Polyploidization; PMA; Apoptosis (Zong, Z.-p. (489) 3)

Behaviour

Maternal stress; Adolescence; MDMA; Pharmacokinetics; Individual variability (Morley-Fletcher, S. (489) 89)

Blood–brain barrier

SEA0400; Brain edema; Radiofrequency lesion; Na⁺–Ca²⁺ exchanger (Koyama, Y. (489) 193)

Bradykinin B₁ and B₂ receptors

TNF- α ; Chronic airway inflammation; Airway hyperresponsiveness; MAPK pathway (Zhang, Y. (489) 117)

Brain edema

SEA0400; Radiofrequency lesion; Blood–brain barrier; Na^+ – Ca^{2+} exchanger (Koyama, Y. (489) 193)

Brown Norway, rat

Adrenomedullin; Mycophenolate mofetil; Mercuric chloride; Autoimmune glomerulonephritis (Shi, Y. (489) 127)

cAMP

Taste; Receptor; MAPK; Inhibitory; G protein (Ozeck, M. (489) 139)

Candesartan

Adrenal medulla; Angiotensin; Catecholamine; Canine; Ramipril (Critchley, L. (489) 67)

Canine

Adrenal medulla; Angiotensin; Catecholamine; Candesartan; Ramipril (Critchley, L. (489) 67)

Cardiomyocyte

Resveratrol; Antioxidant; Reactive oxygen species; 4-Hydroxy-2-nonenal; Doxorubicin (Cao, Z. (489) 39)

Catecholamine

Adrenal medulla; Angiotensin; Canine; Candesartan; Ramipril (Critchley, L. (489) 67)

Cell migration

Vascular endothelium; Atypical cannabinoid receptor (Mo, F.M. (489) 21)

Cerebral vasospasm

Subarachnoid haemorrhage; Phosphodiesterase inhibitor; Cilostazol; Endothelium (Birk, S. (489) 93)

c-Fos

Lithium chloride; NO (Nitric oxide); Stress axis; Inducible cAMP early repressor (Jahng, J.W. (489) 111)

Channel block

Glycine receptor channel; Pentobarbital; Patch-clamp; Ultra-fast application (Mohammadi, B. (489) 151)

Chronic airway inflammation

TNF- α ; Bradykinin B_1 and B_2 receptors; Airway hyperresponsiveness; MAPK pathway (Zhang, Y. (489) 117)

Cilostazol

Subarachnoid haemorrhage; Cerebral vasospasm; Phosphodiesterase inhibitor; Endothelium (Birk, S. (489) 93)

Circadian rhythm

Cocaine; Conditioned place preference; Mice; Pinealectomy (Kurtuncu, M. (489) 203)

Cocaine

Conditioned place preference; Mice; Circadian rhythm; Pinealectomy (Kurtuncu, M. (489) 203)

Conditioned place preference

Cocaine; Mice; Circadian rhythm; Pinealectomy (Kurtuncu, M. (489) 203)

db-cGMP

Diazoxide; K^+ channel opener; Sodium nitroprusside; Antinociception (Alves, D.P. (489) 59)

DCPIB

Volume-sensitive anion channel; K_{ATP} channel; Islet; Pancreatic β -cell; Insulin release (Best, L. (489) 13)

Diazoxide

db-cGMP; K^+ channel opener; Sodium nitroprusside; Antinociception (Alves, D.P. (489) 59)

Dietary Ca

Amlodipine; Arterial blood pressure; α -Vascular reactivity (Civantos, B. (489) 101)

Dopamine

Serotonin; Noradrenaline; Reboxetine; Lithium carbonate; In vivo microdialysis (Kitaichi, Y. (489) 187)

Dopamine receptor

Neuroprotection; Oxygen–glucose deprivation; Stroke; Free radical; Anti-oxidant (Miglio, G. (489) 157)

Doxorubicin

Resveratrol; Antioxidant; Cardiomyocyte; Reactive oxygen species; 4-Hydroxy-2-nonenal (Cao, Z. (489) 39)

Endothelium

Subarachnoid haemorrhage; Cerebral vasospasm; Phosphodiesterase inhibitor; Cilostazol (Birk, S. (489) 93)

Exocytosis

Mast cell; Substance P; Neurogenic inflammation; Allergy (Karimi, K. (489) 49)

Focal adhesion kinase

Lidocaine; Protein kinase C; Hippocampus; (Rat) (Dahmani, S. (489) 55)

Free radical

Dopamine receptor; Neuroprotection; Oxygen–glucose deprivation; Stroke; Anti-oxidant (Miglio, G. (489) 157)

Garlic compound

Oxidative injury; Amyloid- β peptide; Antioxidant defense; Learning; Memory; Alzheimer disease (Pérez-Severiano, F. (489) 197)

Glycine receptor channel

Pentobarbital; Channel block; Patch-clamp; Ultra-fast application (Mohammadi, B. (489) 151)

G protein

Taste; Receptor; cAMP; MAPK; Inhibitory (Ozeck, M. (489) 139)

G protein-coupled receptor kinase

Adenylyl cyclase; β -Adrenoceptor; Protein kinase; Human myocardial tissue; Hemodynamic load; Left ventricular volume overload (Dzimiri, N. (489) 167)

Hemodynamic load

G protein-coupled receptor kinase; Adenylyl cyclase; β -Adrenoceptor; Protein kinase; Human myocardial tissue; Left ventricular volume overload (Dzimiri, N. (489) 167)

Hippocampus

Focal adhesion kinase; Lidocaine; Protein kinase C; (Rat) (Dahmani, S. (489) 55)

Hole-board

Nociceptin; Nocistatin; Anxiogenic effect; Anxiolytic effect; 5-HT $_{1A}$ receptor (Kamei, J. (489) 77)

5-HT_{1A} receptor

Nociceptin; Nocistatin; Anxiogenic effect; Anxiolytic effect; Hole-board (Kamei, J. (489) 77)

Serotonin; α_2 -Adrenoceptor; Mydriasis; Miosis; Pupil (Yu, Y. (489) 207)

Human myocardial tissue

G protein-coupled receptor kinase; Adenylyl cyclase; β -Adrenoceptor; Protein kinase; Hemodynamic load; Left ventricular volume overload (Dzimiri, N. (489) 167)

11 β -Hydroxylase activity

Zona fasciculata-reticularis cells; S-petasin; P450scc activity; Steroidogenic acute regulatory protein expression (Chang, L.-L. (489) 29)

4-Hydroxy-2-nonenal

Resveratrol; Antioxidant; Cardiomyocyte; Reactive oxygen species; Doxorubicin (Cao, Z. (489) 39)

5-hydroxytryptamine

Antidepressant; *Arc* (activity-regulated cytoskeletal associated protein); SNRI (selective 5-HT/noradrenaline reuptake inhibitor); Neuroplasticity (Pei, Q. (489) 179)

Individual variability

Maternal stress; Adolescence; MDMA; Pharmacokinetics; Behaviour (Morley-Fletcher, S. (489) 89)

Inducible cAMP early repressor

Lithium chloride; NO (Nitric oxide); Stress axis; c-Fos (Jahng, J.W. (489) 111)

Inhibitory

Taste; Receptor; cAMP; MAPK; G protein (Ozeck, M. (489) 139)

Insulin release

DCPIB; Volume-sensitive anion channel; K_{ATP} channel; Islet; Pancreatic β -cell (Best, L. (489) 13)

In vivo microdialysis

Serotonin; Noradrenaline; Dopamine; Reboxetine; Lithium carbonate (Kitaichi, Y. (489) 187)

Islet

DCPIB; Volume-sensitive anion channel; K_{ATP} channel; Pancreatic β -cell; Insulin release (Best, L. (489) 13)

K_{ATP} channel

DCPIB; Volume-sensitive anion channel; Islet; Pancreatic β -cell; Insulin release (Best, L. (489) 13)

K⁺ channel opener

db-cGMP; Diazoxide; Sodium nitroprusside; Antinociception (Alves, D.P. (489) 59)

Learning

Oxidative injury; Amyloid- β peptide; Garlic compound; Antioxidant defense; Memory; Alzheimer disease (Pérez-Severiano, F. (489) 197)

Left ventricular volume overload

G protein-coupled receptor kinase; Adenylyl cyclase; β -Adrenoceptor; Protein kinase; Human myocardial tissue; Hemodynamic load (Dzimiri, N. (489) 167)

Lidocaine

Focal adhesion kinase; Protein kinase C; Hippocampus; (Rat) (Dahmani, S. (489) 55)

Lithium carbonate

Serotonin; Noradrenaline; Dopamine; Reboxetine; In vivo microdialysis (Kitaichi, Y. (489) 187)

Lithium chloride

NO (Nitric oxide); Stress axis; c-Fos; Inducible cAMP early repressor (Jahng, J.W. (489) 111)

MAPK

Taste; Receptor; cAMP; Inhibitory; G protein (Ozeck, M. (489) 139)

MAPK pathway

TNF- α ; Bradykinin B₁ and B₂ receptors; Chronic airway inflammation; Airway hyperresponsiveness (Zhang, Y. (489) 117)

Mast cell

Substance P; Neurogenic inflammation; Allergy; Exocytosis (Karimi, K. (489) 49)

Maternal stress

Adolescence; MDMA; Pharmacokinetics; Behaviour; Individual variability (Morley-Fletcher, S. (489) 89)

MDMA

Maternal stress; Adolescence; Pharmacokinetics; Behaviour; Individual variability (Morley-Fletcher, S. (489) 89)

Memory

Oxidative injury; Amyloid- β peptide; Garlic compound; Antioxidant defense; Learning; Alzheimer disease (Pérez-Severiano, F. (489) 197)

Mercuric chloride

Adrenomedullin; Mycophenolate mofetil; Brown Norway, rat; Auto-immune glomerulonephritis (Shi, Y. (489) 127)

Mice

Cocaine; Conditioned place preference; Circadian rhythm; Pinealectomy (Kurtuncu, M. (489) 203)

Miosis

Serotonin; 5-HT_{1A} receptor; α_2 -Adrenoceptor; Mydriasis; Pupil (Yu, Y. (489) 207)

Mycophenolate mofetil

Adrenomedullin; Brown Norway, rat; Mercuric chloride; Autoimmune glomerulonephritis (Shi, Y. (489) 127)

Mydriasis

Serotonin; 5-HT_{1A} receptor; α_2 -Adrenoceptor; Miosis; Pupil (Yu, Y. (489) 207)

Na⁺–Ca²⁺ exchanger

SEA0400; Brain edema; Radiofrequency lesion; Blood–brain barrier (Koyama, Y. (489) 193)

Neurogenic inflammation

Mast cell; Substance P; Allergy; Exocytosis (Karimi, K. (489) 49)

Neuroplasticity

Antidepressant; *Arc* (activity-regulated cytoskeletal associated protein); 5-hydroxytryptamine; SNRI (selective 5-HT/noradrenaline reuptake inhibitor) (Pei, Q. (489) 179)

Neuroprotection

Dopamine receptor; Oxygen–glucose deprivation; Stroke; Free radical; Anti-oxidant (Miglio, G. (489) 157)

Nociceptin

Nocistatin; Anxiogenic effect; Anxiolytic effect; Hole-board; 5-HT_{1A} receptor (Kamei, J. (489) 77)

Nocistatin

Nociceptin; Anxiogenic effect; Anxiolytic effect; Hole-board; 5-HT_{1A} receptor (Kamei, J. (489) 77)

NO (Nitric oxide)

Lithium chloride; Stress axis; c-Fos; Inducible cAMP early repressor (Jahng, J.W. (489) 111)

Noradrenaline

Serotonin; Dopamine; Reboxetine; Lithium carbonate; In vivo microdialysis (Kitaichi, Y. (489) 187)

Oxidative injury

Amyloid- β peptide; Garlic compound; Antioxidant defense; Learning; Memory; Alzheimer disease (Pérez-Severiano, F. (489) 197)

Oxygen–glucose deprivation

Dopamine receptor; Neuroprotection; Stroke; Free radical; Anti-oxidant (Miglio, G. (489) 157)

Pancreatic β -cell

DCPIB; Volume-sensitive anion channel; K_{ATP} channel; Islet; Insulin release (Best, L. (489) 13)

Patch-clamp

Glycine receptor channel; Pentobarbital; Channel block; Ultra-fast application (Mohammadi, B. (489) 151)

Pentobarbital

Glycine receptor channel; Channel block; Patch-clamp; Ultra-fast application (Mohammadi, B. (489) 151)

Pharmacokinetics

Maternal stress; Adolescence; MDMA; Behaviour; Individual variability (Morley-Fletcher, S. (489) 89)

Phosphodiesterase inhibitor

Subarachnoid haemorrhage; Cerebral vasospasm; Cilostazol; Endothelium (Birk, S. (489) 93)

Pinealectomy

Cocaine; Conditioned place preference; Mice; Circadian rhythm (Kurtuncu, M. (489) 203)

PMA

Taxol-resistant cell; Polyploidization; Apoptosis; bcl-2 (Zong, Z.-p. (489) 3)

Polyploidization

Taxol-resistant cell; PMA; Apoptosis; bcl-2 (Zong, Z.-p. (489) 3)

Protein kinase

G protein-coupled receptor kinase; Adenylyl cyclase; β -Adrenoceptor; Human myocardial tissue; Hemodynamic load; Left ventricular volume overload (Dzimiri, N. (489) 167)

Protein kinase C

Focal adhesion kinase; Lidocaine; Hippocampus; (Rat) (Dahmani, S. (489) 55)

P450scc activity

Zona fasciculata-reticularis cells; *S*-petasin; 11 β -Hydroxylase activity; Steroidogenic acute regulatory protein expression (Chang, L.-L. (489) 29)

Pupil

Serotonin; 5-HT_{1A} receptor; α_2 -Adrenoceptor; Mydriasis; Miosis (Yu, Y. (489) 207)

Radiofrequency lesion

SEA0400; Brain edema; Blood–brain barrier; Na⁺–Ca²⁺ exchanger (Koyama, Y. (489) 193)

Ramipril

Adrenal medulla; Angiotensin; Catecholamine; Canine; Candesartan (Critchley, L. (489) 67)

(Rat)

Focal adhesion kinase; Lidocaine; Protein kinase C; Hippocampus (Dahmani, S. (489) 55)

Reactive oxygen species

Resveratrol; Antioxidant; Cardiomyocyte; 4-Hydroxy-2-nonenal; Doxorubicin (Cao, Z. (489) 39)

Reboxetine

Serotonin; Noradrenaline; Dopamine; Lithium carbonate; In vivo microdialysis (Kitaichi, Y. (489) 187)

Receptor

Taste; cAMP; MAPK; Inhibitory; G protein (Ozeck, M. (489) 139)

Resveratrol

Antioxidant; Cardiomyocyte; Reactive oxygen species; 4-Hydroxy-2-nonenal; Doxorubicin (Cao, Z. (489) 39)

SEA0400

Brain edema; Radiofrequency lesion; Blood–brain barrier; Na⁺–Ca²⁺ exchanger (Koyama, Y. (489) 193)

Serotonin

Noradrenaline; Dopamine; Reboxetine; Lithium carbonate; In vivo microdialysis (Kitaichi, Y. (489) 187)

5-HT_{1A} receptor; α_2 -Adrenoceptor; Mydriasis; Miosis; Pupil (Yu, Y. (489) 207)

SNRI (selective 5-HT/noradrenaline reuptake inhibitor)

Antidepressant; *Arc* (activity-regulated cytoskeletal associated protein); 5-hydroxytryptamine; Neuroplasticity (Pei, Q. (489) 179)

Sodium nitroprusside

db-cGMP; Diazoxide; K⁺ channel opener; Antinociception (Alves, D.P. (489) 59)

***S*-petasin**

Zona fasciculata-reticularis cells; P450scc activity; 11 β -Hydroxylase activity; Steroidogenic acute regulatory protein expression (Chang, L.-L. (489) 29)

Steroidogenic acute regulatory protein expression

Zona fasciculata-reticularis cells; *S*-petasin; P450scc activity; 11 β -Hydroxylase activity (Chang, L.-L. (489) 29)

Stress axis

Lithium chloride; NO (Nitric oxide); c-Fos; Inducible cAMP early repressor (Jahng, J.W. (489) 111)

Stroke

Dopamine receptor; Neuroprotection; Oxygen–glucose deprivation; Free radical; Anti-oxidant (Miglio, G. (489) 157)

Subarachnoid haemorrhage

Cerebral vasospasm; Phosphodiesterase inhibitor; Cilostazol; Endothelium (Birk, S. (489) 93)

Substance P

Mast cell; Neurogenic inflammation; Allergy; Exocytosis (Karimi, K. (489) 49)

Taste

Receptor; cAMP; MAPK; Inhibitory; G protein (Ozeck, M. (489) 139)

Taxol-resistant cell

Polyploidization; PMA; Apoptosis; bcl-2 (Zong, Z.-p. (489) 3)

TNF- α

Bradykinin B₁ and B₂ receptors; Chronic airway inflammation; Airway hyperresponsiveness; MAPK pathway (Zhang, Y. (489) 117)

Ultra-fast application

Glycine receptor channel; Pentobarbital; Channel block; Patch-clamp (Mohammadi, B. (489) 151)

Vascular endothelium

Atypical cannabinoid receptor; Cell migration (Mo, F.M. (489) 21)

 α -Vascular reactivity

Dietary Ca; Amlodipine; Arterial blood pressure (Civantos, B. (489) 101)

Volume-sensitive anion channel

DCPIB; K_{ATP} channel; Islet; Pancreatic β -cell; Insulin release (Best, L. (489) 13)

Zona fasciculata-reticularis cells

S-petasin; P450_{scc} activity; 11 β -Hydroxylase activity; Steroidogenic acute regulatory protein expression (Chang, L.-L. (489) 29)