

Keyword index

Acamprosate

Microdialysis; Nucleus accumbens; Dopamine; Homotaurine; Ethanol (Olive, M.F. (437) 55)

Adenosine agonist

Adenosine receptor; Ca^{2+} ; cAMP; Glycogenolysis; Gluconeogenesis (González-Benítez, E. (437) 105)

Adenosine A_1 receptor

Cortex, posterior cingulate; Short-term memory; Long-term memory (Pereira, G.S. (437) 151)

Adenosine receptor

Adenosine agonist; Ca^{2+} ; cAMP; Glycogenolysis; Gluconeogenesis (González-Benítez, E. (437) 105)

Adrenal gland, rat

PACAP (pituitary adenylate cyclase-activating polypeptide); Small-conductance Ca^{2+} -activated K^+ (SK_{Ca}) channel; Large-conductance Ca^{2+} -activated K^+ (SK_{Ca}) channel; Catecholamine secretion (Fukushima, Y. (437) 69)

α_1 -Adrenoceptor

($\pm$)-Nantenine derivatives; Aorta, rat (Indra, B. (437) 173)

β_2 -Adrenoceptor

Mast cell; CGP20712A; ICI118551 (Chong, L.K. (437) 1)

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Amifostine

Hematopoietic stem cell; CD34 antigen; Colony-forming units assay; Thrombopoietin; X-ray (Kashiwakura, I. (437) 19)

Amiloride

Li^+ clearance; NHE3; Proximal tubular reabsorption; Na^+ Fractional excretion (Thomsen, K. (437) 85)

4-Aminopyridine

Nitric oxide (NO); N^G -nitro-L-arginine; Molsidomine; Seizure; Epilepsy (Tutka, P. (437) 47)

Antinociception

Spasticity; Clonidine; Flexor reflex; Tail-flick (Advokat, C. (437) 63)

Aorta, rat

α_1 -Adrenoceptor; ($\pm$)-Nantenine derivatives (Indra, B. (437) 173)

AP-1 (activator protein-1)

cAMP; Mechanical stretch; Glomerulosclerosis; MAP (mitogen-activated protein) kinase; Fibronectin (Nishio, T. (437) 113)

L-AP4 (L-(+)-2-amino-4-phosphonobutyric acid)

NAAG (*N*-acetylaspartylglutamate); Glutamate receptor metabotropic; Neonatal hypoxia-ischemia; cAMP; *t*-ACPD (*trans*-[1S,3R]-1-Amino-cyclopentane-1,3-dicarboxylic acid) (Cai, Z. (437) 139)

Aprikalim

Nicorandil; K_{ATP} channel, mitochondrial; Coronary occlusion; Myocardial ischemia; Reperfusion arrhythmia; (Anesthetized rabbit) (Das, B. (437) 165)

Asthma

Silymarin; Hyperreactivity; (*Silybum marianum*); (Guinea-pig) (Breschi, M.C. (437) 91)

Glutamate; Trachea (Coşkun, U. (437) 97)

ATDC5 cell

FK506; Cyclosporin A; Chondrogenic differentiation; Calcineurin; Cartilage (Nishigaki, F. (437) 123)

Benzodiazepine

GABA receptor; Mutagenesis (Wingrove, P.B. (437) 31)

Brain ischemia

Erythropoietin; Passive avoidance; Learning ability; (Gerbil) (Catania, M.A. (437) 147)

Bronchial hyperresponsiveness

Airway inflammation; Rapamycin; IMM125; SAR943; Budesonide; Th1 cytokine; Th2 cytokine (Huang, T.-J. (437) 187)

Budesonide

Calu-1 cell; MRP (Multidrug resistance-associated protein) (Bandi, N. (437) 9)

Bronchial hyperresponsiveness; Airway inflammation; Rapamycin; IMM125; SAR943; Th1 cytokine; Th2 cytokine (Huang, T.-J. (437) 187)

Ca^{2+}

Adenosine receptor; Adenosine agonist; cAMP; Glycogenolysis; Gluconeogenesis (González-Benítez, E. (437) 105)

Calcineurin

FK506; Cyclosporin A; ATDC5 cell; Chondrogenic differentiation; Cartilage (Nishigaki, F. (437) 123)

Calu-1 cell

Budesonide; MRP (Multidrug resistance-associated protein) (Bandi, N. (437) 9)

cAMP

Adenosine receptor; Adenosine agonist; Ca^{2+} ; Glycogenolysis; Gluconeogenesis (González-Benítez, E. (437) 105)

Mechanical stretch; Glomerulosclerosis; MAP (mitogen-activated protein) kinase; AP-1 (activator protein-1); Fibronectin (Nishio, T. (437) 113)

NAAG (*N*-acetylasparylglutamate); Glutamate receptor metabotropic; Neonatal hypoxia-ischemia; L-AP4 (L-(+)-2-amino-4-phosphonobutyric acid); *t*-ACPD (*trans*-[1S,3R]-1-Amino-cyclopentane-1,3-dicarboxylic acid) (Cai, Z. (437) 139)

Cartilage

FK506; Cyclosporin A; ATDC5 cell; Chondrogenic differentiation; Calcineurin (Nishigaki, F. (437) 123)

Catecholamine secretion

PACAP (pituitary adenylate cyclase-activating polypeptide); Small-conductance Ca^{2+} -activated K^{+} (SK_{Ca}) channel; Large-conductance Ca^{2+} -activated K^{+} (SK_{Ca}) channel; Adrenal gland, rat (Fukushima, Y. (437) 69)

CD34 antigen

Amifostine; Hematopoietic stem cell; Colony-forming units assay; Thrombopoietin; X-ray (Kashiwakura, I. (437) 19)

cGMP

Sildenafil; Nitric oxide (NO) donor; Non-nitric oxide (NO) donor; Vasodilation; Coronary artery, porcine (Sakuma, I. (437) 155)

CGP20712A

Mast cell; β_2 -Adrenoceptor; ICI118551 (Chong, L.K. (437) 1)

Chondrogenic differentiation

FK506; Cyclosporin A; ATDC5 cell; Calcineurin; Cartilage (Nishigaki, F. (437) 123)

Clonidine

Spasticity; Flexor reflex; Tail-flick; Antinociception (Advokat, C. (437) 63)

Colony-forming units assay

Amifostine; Hematopoietic stem cell; CD34 antigen; Thrombopoietin; X-ray (Kashiwakura, I. (437) 19)

Coronary artery, porcine

Sildenafil; Nitric oxide (NO) donor; Non-nitric oxide (NO) donor; Vasodilation; cGMP (Sakuma, I. (437) 155)

Coronary occlusion

Nicorandil; Aprikalim; K_{ATP} channel, mitochondrial; Myocardial ischemia; Reperfusion arrhythmia; (Anesthetized rabbit) (Das, B. (437) 165)

Cortex, posterior cingulate

Adenosine A_1 receptor; Short-term memory; Long-term memory (Pereira, G.S. (437) 151)

Cyclosporin A

FK506; ATDC5 cell; Chondrogenic differentiation; Calcineurin; Cartilage (Nishigaki, F. (437) 123)

D-cycloserine

Neonatal rat; Rearing; NMDA receptor; Discrimination task; (Adult rat) (Strømme Johannesen, T. (437) 73)

Desensitization

Phosphorylation; Protein kinase C; Mutation (Liang, M. (437) 41)

Diamine oxidase (histaminase)

Histamine *N*-methyltransferase; mRNA; Expression pattern; Histaminergic signal transmission; Peripheral tissues (Kitanaka, J. (437) 179)

Discrimination task

Neonatal rat; Rearing; NMDA receptor; D-cycloserine; (Adult rat) (Strømme Johannesen, T. (437) 73)

DOI

5-HT₂ receptor; Renal hemodynamics; Nitric oxide (NO); Sarpogrelate; Microdialysis (Tian, R.-X. (437) 79)

Dopamine

Microdialysis; Nucleus accumbens; Acamprosate; Homotaurine; Ethanol (Olive, M.F. (437) 55)

Epilepsy

Nitric oxide (NO); 4-Aminopyridine; *N*^G-nitro-L-arginine; Molsidomine; Seizure (Tutka, P. (437) 47)

Erythropoietin

Brain ischemia; Passive avoidance; Learning ability; (Gerbil) (Catania, M.A. (437) 147)

Ethanol

Microdialysis; Nucleus accumbens; Dopamine; Acamprosate; Homotaurine (Olive, M.F. (437) 55)

Expression pattern

Diamine oxidase (histaminase); Histamine *N*-methyltransferase; mRNA; Histaminergic signal transmission; Peripheral tissues (Kitanaka, J. (437) 179)

Fibronectin

cAMP; Mechanical stretch; Glomerulosclerosis; MAP (mitogen-activated protein) kinase; AP-1 (activator protein-1) (Nishio, T. (437) 113)

FK506

Cyclosporin A; ATDC5 cell; Chondrogenic differentiation; Calcineurin; Cartilage (Nishigaki, F. (437) 123)

Flexor reflex

Spasticity; Clonidine; Tail-flick; Antinociception (Advokat, C. (437) 63)

GABA receptor

Benzodiazepine; Mutagenesis (Wingrove, P.B. (437) 31)

Glomerulosclerosis

cAMP; Mechanical stretch; MAP (mitogen-activated protein) kinase; AP-1 (activator protein-1); Fibronectin (Nishio, T. (437) 113)

Gluconeogenesis

Adenosine receptor; Adenosine agonist; Ca^{2+} ; cAMP; Glycogenolysis (González-Benítez, E. (437) 105)

Glutamate

Asthma; Trachea (Coşkun, U. (437) 97)

Glutamate receptor metabotropic

NAAG (*N*-acetylasparylglutamate); Neonatal hypoxia-ischemia; cAMP; L-AP4 (L-(+)-2-amino-4-phosphonobutyric acid); *t*-ACPD (*trans*-[1S,3R]-1-Amino-cyclopentane-1,3-dicarboxylic acid) (Cai, Z. (437) 139)

Glycogenolysis

Adenosine receptor; Adenosine agonist; Ca^{2+} ; cAMP; Gluconeogenesis (González-Benítez, E. (437) 105)

Hematopoietic stem cell

Amifostine; CD34 antigen; Colony-forming units assay; Thrombopoietin; X-ray (Kashiwakura, I. (437) 19)

Histamine *N*-methyltransferase

Diamine oxidase (histaminase); mRNA; Expression pattern; Histaminergic signal transmission; Peripheral tissues (Kitanaka, J. (437) 179)

Histaminergic signal transmission

Diamine oxidase (histaminase); Histamine *N*-methyltransferase; mRNA; Expression pattern; Peripheral tissues (Kitanaka, J. (437) 179)

Homotaurine

Microdialysis; Nucleus accumbens; Dopamine; Acamprosate; Ethanol (Olive, M.F. (437) 55)

5-HT₂ receptor

DOI; Renal hemodynamics; Nitric oxide (NO); Sarpogrelate; Microdialysis (Tian, R.-X. (437) 79)

Hyperreactivity

Silymarin; Asthma; (*Silybum marianum*); (Guinea-pig) (Breschi, M.C. (437) 91)

ICI118551

Mast cell; β_2 -Adrenoceptor; CGP20712A (Chong, L.K. (437) 1)

IMM125

Bronchial hyperresponsiveness; Airway inflammation; Rapamycin; SAR943; Budesonide; Th1 cytokine; Th2 cytokine (Huang, T.-J. (437) 187)

K_{ATP} channel, mitochondrial

Nicorandil; Aprikalim; Coronary occlusion; Myocardial ischemia; Reperfusion arrhythmia; (Anesthetized rabbit) (Das, B. (437) 165)

Large-conductance Ca²⁺-activated K⁺ (SK_{Ca}) channel

PACAP (pituitary adenylate cyclase-activating polypeptide); Small-conductance Ca²⁺-activated K⁺ (SK_{Ca}) channel; Adrenal gland, rat; Catecholamine secretion (Fukushima, Y. (437) 69)

Learning ability

Erythropoietin; Brain ischemia; Passive avoidance; (Gerbil) (Catania, M.A. (437) 147)

Li⁺ clearance

Amiloride; NHE3; Proximal tubular reabsorption; Na⁺Fractional excretion (Thomsen, K. (437) 85)

Linopirdine

M channel; XE 991; M current (Dupuis, D.S. (437) 129)

Long-term memory

Adenosine A₁ receptor; Cortex, posterior cingulate; Short-term memory (Pereira, G.S. (437) 151)

MAP (mitogen-activated protein) kinase

cAMP; Mechanical stretch; Glomerulosclerosis; AP-1 (activator protein-1); Fibronectin (Nishio, T. (437) 113)

Mast cell

β_2 -Adrenoceptor; CGP20712A; ICI118551 (Chong, L.K. (437) 1)

M channel

Linopirdine; XE 991; M current (Dupuis, D.S. (437) 129)

M current

M channel; Linopirdine; XE 991 (Dupuis, D.S. (437) 129)

Mechanical stretch

cAMP; Glomerulosclerosis; MAP (mitogen-activated protein) kinase; AP-1 (activator protein-1); Fibronectin (Nishio, T. (437) 113)

Microdialysis

Nucleus accumbens; Dopamine; Acamprosate; Homotaurine; Ethanol (Olive, M.F. (437) 55)

DOI; 5-HT₂ receptor; Renal hemodynamics; Nitric oxide (NO); Sarpogrelate (Tian, R.-X. (437) 79)

Molsidomine

Nitric oxide (NO); 4-Aminopyridine; *N*^G-nitro-L-arginine; Seizure; Epilepsy (Tutka, P. (437) 47)

mRNA

Diamine oxidase (histaminase); Histamine *N*-methyltransferase; Expression pattern; Histaminergic signal transmission; Peripheral tissues (Kitanaka, J. (437) 179)

MRP (Multidrug resistance-associated protein)

Budesonide; Calu-1 cell (Bandi, N. (437) 9)

Mutagenesis

GABA receptor; Benzodiazepine (Wingrove, P.B. (437) 31)

Mutation

Desensitization; Phosphorylation; Protein kinase C (Liang, M. (437) 41)

Myocardial ischemia

Nicorandil; Aprikalim; K_{ATP} channel, mitochondrial; Coronary occlusion; Reperfusion arrhythmia; (Anesthetized rabbit) (Das, B. (437) 165)

NAAG (*N*-acetylaspartylglutamate)

Glutamate receptor metabotropic; Neonatal hypoxia-ischemia; cAMP; L-AP4 (L-(+)-2-amino-4-phosphonobutyric acid); *t*-ACPD (*trans*-[1S,3R]-1-Amino-cyclopentane-1,3-dicarboxylic acid) (Cai, Z. (437) 139)

Na⁺Fractional excretion

Amiloride; Li⁺ clearance; NHE3; Proximal tubular reabsorption (Thomsen, K. (437) 85)

(±)-Nantenine derivatives

α_1 -Adrenoceptor; Aorta, rat (Indra, B. (437) 173)

Neonatal hypoxia-ischemia

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Neonatal rat

Rearing; NMDA receptor; D-cycloserine; Discrimination task; (Adult rat) (Strømme Johannesen, T. (437) 73)

Neurokinin B

Tachykinin NK₁ receptor, short; Tachykinin NK₁ receptor, long; Tachykinin NK₄ receptor (Page, N.M. (437) 27)

NHE3

Amiloride; Li⁺ clearance; Proximal tubular reabsorption; Na⁺Fractional excretion (Thomsen, K. (437) 85)

Nicorandil

Aprikalim; K_{ATP} channel, mitochondrial; Coronary occlusion; Myocardial ischemia; Reperfusion arrhythmia; (Anesthetized rabbit) (Das, B. (437) 165)

Nitric oxide (NO)

4-Aminopyridine; N^G -nitro-L-arginine; Molsidomine; Seizure; Epilepsy (Tutka, P. (437) 47)

DOI; 5-HT₂ receptor; Renal hemodynamics; Sarpogrelate; Microdialysis (Tian, R.-X. (437) 79)

Nitric oxide (NO) donor

Sildenafil; Non-nitric oxide (NO) donor; Vasodilation; cGMP; Coronary artery, porcine (Sakuma, I. (437) 155)

NMDA receptor

Neonatal rat; Rearing; D-cycloserine; Discrimination task; (Adult rat) (Strømme Johannesen, T. (437) 73)

 N^G -nitro-L-arginine

Nitric oxide (NO); 4-Aminopyridine; Molsidomine; Seizure; Epilepsy (Tutka, P. (437) 47)

Non-nitric oxide (NO) donor

Sildenafil; Nitric oxide (NO) donor; Vasodilation; cGMP; Coronary artery, porcine (Sakuma, I. (437) 155)

Nucleus accumbens

Microdialysis; Dopamine; Acamprosate; Homotaurine; Ethanol (Olive, M.F. (437) 55)

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Passive avoidance

Erythropoietin; Brain ischemia; Learning ability; (Gerbil) (Catania, M.A. (437) 147)

Peripheral tissues

Diamine oxidase (histaminase); Histamine N -methyltransferase; mRNA; Expression pattern; Histaminergic signal transmission (Kitanaka, J. (437) 179)

Phosphorylation

Desensitization; Protein kinase C; Mutation (Liang, M. (437) 41)

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Proximal tubular reabsorption

Amiloride; Li^+ clearance; NHE3; Na^+ Fractional excretion (Thomsen, K. (437) 85)

Rapamycin

Bronchial hyperresponsiveness; Airway inflammation; IMM125; SAR943; Budesonide; Th1 cytokine; Th2 cytokine (Huang, T.-J. (437) 187)

Rearing

Neonatal rat; NMDA receptor; D-cycloserine; Discrimination task; (Adult rat) (Strømme Johannesen, T. (437) 73)

Renal hemodynamics

DOI; 5-HT₂ receptor; Nitric oxide (NO); Sarpogrelate; Microdialysis (Tian, R.-X. (437) 79)

Reperfusion arrhythmia

Nicorandil; Aprikalim; K_{ATP} channel, mitochondrial; Coronary occlusion; Myocardial ischemia; (Anesthetized rabbit) (Das, B. (437) 165)

SAR943

Bronchial hyperresponsiveness; Airway inflammation; Rapamycin; IMM125; Budesonide; Th1 cytokine; Th2 cytokine (Huang, T.-J. (437) 187)

Sarpogrelate

DOI; 5-HT₂ receptor; Renal hemodynamics; Nitric oxide (NO); Microdialysis (Tian, R.-X. (437) 79)

Seizure

Nitric oxide (NO); 4-Aminopyridine; N^G -nitro-L-arginine; Molsidomine; Epilepsy (Tutka, P. (437) 47)

Short-term memory

Adenosine A₁ receptor; Cortex, posterior cingulate; Long-term memory (Pereira, G.S. (437) 151)

Sildenafil

Nitric oxide (NO) donor; Non-nitric oxide (NO) donor; Vasodilation; cGMP; Coronary artery, porcine (Sakuma, I. (437) 155)

Silymarin

Asthma; Hyperreactivity; (*Silybum marianum*); (Guinea-pig) (Breschi, M.C. (437) 91)

Small-conductance Ca^{2+} -activated K^+ (SK_{Ca}) channel

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Spasticity

Clonidine; Flexor reflex; Tail-flick; Antinociception (Advokat, C. (437) 63)

Tachykinin NK₁ receptor, long

Neurokinin B; Tachykinin NK₁ receptor, short; Tachykinin NK₄ receptor (Page, N.M. (437) 27)

Tachykinin NK₁ receptor, short

Neurokinin B; Tachykinin NK₁ receptor, long; Tachykinin NK₄ receptor (Page, N.M. (437) 27)

Tachykinin NK₄ receptor

Neurokinin B; Tachykinin NK₁ receptor, short; Tachykinin NK₁ receptor, long (Page, N.M. (437) 27)

***t*-ACPD (*trans*-[1S,3R]-1-Amino-cyclopentane-1,3-dicarboxylic acid)**

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Tail-flick

Spasticity; Clonidine; Flexor reflex; Antinociception (Advokat, C. (437) 63)

Th1 cytokine

Bronchial hyperresponsiveness; Airway inflammation; Rapamycin; IMM125; SAR943; Budesonide; Th2 cytokine (Huang, T.-J. (437) 187)

Th2 cytokine

Bronchial hyperresponsiveness; Airway inflammation; Rapamycin; IMM125; SAR943; Budesonide; Th1 cytokine (Huang, T.-J. (437) 187)

Thrombopoietin

Amifostine; Hematopoietic stem cell; CD34 antigen; Colony-forming units assay; X-ray (Kashiwakura, I. (437) 19)

Trachea

Asthma; Glutamate (Coşkun, U. (437) 97)

Vasodilation

Sildenafil; Nitric oxide (NO) donor; Non-nitric oxide (NO) donor; cGMP; Coronary artery, porcine (Sakuma, I. (437) 155)

XE 991

M channel; Linopirdine; M current (Dupuis, D.S. (437) 129)

X-ray

Amifostine; Hematopoietic stem cell; CD34 antigen; Colony-forming units assay; Thrombopoietin (Kashiwakura, I. (437) 19)