

## Keyword index

### Acetylcholine receptor

Jaw movement; Ventrolateral striatum; Striatal collateralised output pathway; Dopamine receptor; GABA<sub>A</sub> receptor; (Rat) (Adachi, K. (442) 81)

### Adenosine transporter

Coffee; Quinide; Locomotion; (Mouse) (De Paulis, T. (442) 215)

### $\alpha_2$ -Adrenoceptor

Noradrenaline; Locus coeruleus; Cortex; Cingulate; Microdialysis; Somatodendritic release (Fernández-Pastor, B. (442) 225)

### $\beta_3$ -Adrenoceptor

$\beta$ -Adrenoceptor, atypical; Gastric fundus, guinea pig; Duodenum, guinea pig; SQ-22,536; cAMP (Horinouchi, T. (442) 137)

### $\beta$ -Adrenoceptor antagonist

Epilepsy; Antiepileptic drug; Carbamazepine; Anticonvulsant potency; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (442) 205)

### $\beta$ -Adrenoceptor, atypical

$\beta_3$ -Adrenoceptor; Gastric fundus, guinea pig; Duodenum, guinea pig; SQ-22,536; cAMP (Horinouchi, T. (442) 137)

### Allergic rhinitis

Eosinophil; Nitric oxide (NO) synthase; 1400 W; Eotaxin; Chemotaxis (Ferreira, H.H.A. (442) 155)

### cAMP

$\beta$ -Adrenoceptor, atypical;  $\beta_3$ -Adrenoceptor; Gastric fundus, guinea pig; Duodenum, guinea pig; SQ-22,536 (Horinouchi, T. (442) 137)

### Angiotensin II

Protein kinase B/Akt; Interleukin-1; Nitric oxide (NO); Mesangial cell (Rölz, W. (442) 195)

### Angiotensin II desensitization

Phorbol dibutyrate (PDB); Membrane repolarization; Protein kinase C inhibitor; Maxi-K<sup>+</sup> channel recruitment; Ileum, guinea pig (Aboulafia, J. (442) 29)

### Angiotensin II receptor antagonist

Irbesartan; Losartan; Cholesterol-fed rabbit; Aorta, coronary; Mesenteric (5th branch) (Sanz, M. (442) 99)

### Anorexia

Orphanin FQ; Endocannabinoid; SR 141716; Naloxone; Opioid; Hyperphagia; Drug additivity (Pietras, T.A. (442) 237)

### Anticancer drug

Nephrotoxicity; Renal failure, acute; Oxidative stress; Apoptosis (Bhat, S.G. (442) 251)

### Anticonvulsant potency

Epilepsy;  $\beta$ -Adrenoceptor antagonist; Antiepileptic drug; Carbamazepine; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (442) 205)

### Antidepressant

5-HT (5-hydroxytryptamine, serotonin); Microdialysis; 5-HT (5-hydroxytryptamine, serotonin) transporter; 5-HT<sub>1A</sub> receptor; Learned helplessness test (Tordera, R.M. (442) 63)

### Antiepileptic drug

Epilepsy;  $\beta$ -Adrenoceptor antagonist; Carbamazepine; Anticonvulsant potency; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (442) 205)

### Aorta, coronary

Irbesartan; Losartan; Angiotensin II receptor antagonist; Cholesterol-fed rabbit; Mesenteric (5th branch) (Sanz, M. (442) 99)

### Apomorphine

Emesis, acute; Emesis, delayed; Vanilloid; (Dog); (Ferret) (Yamakuni, H. (442) 273)

### Apoptosis

Nephrotoxicity; Renal failure, acute; Oxidative stress; Anticancer drug (Bhat, S.G. (442) 251)

### Audiogenic seizure

Epilepsy;  $\beta$ -Adrenoceptor antagonist; Antiepileptic drug; Carbamazepine; Anticonvulsant potency; DBA/2 mouse (De Sarro, G. (442) 205)

### BIBN4096BS

CGRP receptor; CGRP receptor antagonist; SK-N-MC; (Marmoset) (Schindler, M. (442) 187)

### Bipolar mood disorder

Lithium chloride; Protein kinase C; Down regulation; 1321N1 human astrocytoma cell; Ca<sup>2+</sup> mobilization, intracellular (Kurita, M. (442) 17)

### Brain, rat

Opioid receptor; Etorphine derivative; Radioligand binding; [<sup>35</sup>S]GTP $\gamma$ S binding (Biyashev, D. (442) 23)

### Ca<sup>2+</sup>

Smooth muscle, Arterial; Pervanadate; Tyrosine phosphorylation; Nifedipine; Verapamil; Myosin light-chain kinase (Murphy, T.V. (442) 107)

### Ca<sup>2+</sup> channel

Sulphydryl group; Detrusor muscle; Etachrynic acid; *N*-ethylmaleimide (Resim, S. (442) 295)

### Ca<sup>2+</sup> mobilization, intracellular

Lithium chloride; Bipolar mood disorder; Protein kinase C; Down regulation; 1321N1 human astrocytoma cell (Kurita, M. (442) 17)

**Cannabinoid**

WIN55,212-2; Hippocampus; Temperature; GABA ( $\gamma$ -aminobutyric acid), uptake (Al-Hayani, A. (442) 47)

**Capsaicin**

Preconditioning; CGRP (calcitonin gene-related peptide); Reperfusion injury; TNF- $\alpha$  (tumor necrosis factor- $\alpha$ ) (Li, Y.-J. (442) 173)

**Carbamazepine**

Epilepsy;  $\beta$ -Adrenoceptor antagonist; Antiepileptic drug; Anticonvulsant potency; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (442) 205)

**Carboline**

Neurotoxin; (TaClo) 1-Trichloromethyl-1,2,3,4-tetrahydro- $\beta$ -carboline; Parkinson's disease; (MPTP) 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (Riederer, P. (442) 1)

**CGRP (calcitonin gene-related peptide)**

Preconditioning; Capsaicin; Reperfusion injury; TNF- $\alpha$  (tumor necrosis factor- $\alpha$ ) (Li, Y.-J. (442) 173)

**CGRP receptor**

BIBN4096BS; CGRP receptor antagonist; SK-N-MC; (Marmoset) (Schindler, M. (442) 187)

**CGRP receptor antagonist**

CGRP receptor; BIBN4096BS; SK-N-MC; (Marmoset) (Schindler, M. (442) 187)

**Chemotaxis**

Allergic rhinitis; Eosinophil; Nitric oxide (NO) synthase; 1400 W; Eotaxin (Ferreira, H.H.A. (442) 155)

**Cholesterol-fed rabbit**

Irbesartan; Losartan; Angiotensin II receptor antagonist; Aorta, coronary; Mesenteric (5th branch) (Sanz, M. (442) 99)

**Cholinergic property**

Pralidoxime derivative; Protection; Soman (Loke, W.-K. (442) 279)

**Cingulate**

$\alpha_2$ -Adrenoceptor; Noradrenaline; Locus coeruleus; Cortex; Microdialysis; Somatodendritic release (Fernández-Pastor, B. (442) 225)

**Cisplatin**

Procainamide; Hepatotoxicity; Protection (Zicca, A. (442) 265)

**Cocaine**

RTI 113; Discriminative stimulus effect; Drug discrimination; (Rat); (Squirrel monkey) (Cook, C.D. (442) 93)

**Coffee**

Quinide; Adenosine transporter; Locomotion; (Mouse) (De Paulis, T. (442) 215)

**Contractile response**

Nimesulide; Pentoxifylline; Ileum; (Rat) (Kaya, T.T. (442) 147)

**Cortex**

$\alpha_2$ -Adrenoceptor; Noradrenaline; Locus coeruleus; Cingulate; Microdialysis; Somatodendritic release (Fernández-Pastor, B. (442) 225)

**Cortex, prefrontal**

[ $^3$ H](+)-MK-801; Glutamate; Nucleus accumbens (Quadros, I.M.H. (442) 55)

**Cyclo-oxygenase**

Tracheal reactivity; Smooth muscle; Nitric oxide (NO) synthase; Epithelium (Kloek, J. (442) 289)

**DBA/2 mouse**

Epilepsy;  $\beta$ -Adrenoceptor antagonist; Antiepileptic drug; Carbamazepine; Anticonvulsant potency; Audiogenic seizure (De Sarro, G. (442) 205)

**Detrusor muscle**

Sulphydryl group; Etachrynic acid; *N*-ethylmaleimide;  $\text{Ca}^{2+}$  channel (Resim, S. (442) 295)

**Discriminative stimulus effect**

Cocaine; RTI 113; Drug discrimination; (Rat); (Squirrel monkey) (Cook, C.D. (442) 93)

**L-DOPA (L-3,4-dihydroxyphenylalanine)**

c-Fos; Parkinson's disease; Dyskinesia; Dopamine receptor agonist (Nakazato, T. (442) 73)

**Dopamine receptor**

Jaw movement; Ventrolateral striatum; Striatal collateralised output pathway; Acetylcholine receptor; GABA<sub>A</sub> receptor; (Rat) (Adachi, K. (442) 81)

**Dopamine receptor agonist**

c-Fos; Parkinson's disease; Dyskinesia; L-DOPA (L-3,4-dihydroxyphenylalanine) (Nakazato, T. (442) 73)

**Down regulation**

Lithium chloride; Bipolar mood disorder; Protein kinase C; 1321N1 human astrocytoma cell;  $\text{Ca}^{2+}$  mobilization, intracellular (Kurita, M. (442) 17)

**DP receptor**

Prostanoid receptor; Uterus, porcine; FP receptor; EP receptor; Smooth muscle contractility (Cao, J. (442) 115)

**Drug additivity**

Orphanin FQ; Endocannabinoid; SR 141716; Naloxone; Opioid; Hyperphagia; Anorexia (Pietras, T.A. (442) 237)

**Drug discrimination**

Cocaine; RTI 113; Discriminative stimulus effect; (Rat); (Squirrel monkey) (Cook, C.D. (442) 93)

**Duodenum, guinea pig**

$\beta$ -Adrenoceptor, atypical;  $\beta_3$ -Adrenoceptor; Gastric fundus, guinea pig; SQ-22,536; cAMP (Horinouchi, T. (442) 137)

**Dyskinesia**

c-Fos; Parkinson's disease; L-DOPA (L-3,4-dihydroxyphenylalanine); Dopamine receptor agonist (Nakazato, T. (442) 73)

**Emesis, acute**

Emesis, delayed; Apomorphine; Vanilloid; (Dog); (Ferret) (Yamakuni, H. (442) 273)

**Emesis, delayed**

Emesis, acute; Apomorphine; Vanilloid; (Dog); (Ferret) (Yamakuni, H. (442) 273)

**Endocannabinoid**

Orphanin FQ; SR 141716; Naloxone; Opioid; Hyperphagia; Anorexia; Drug additivity (Pietras, T.A. (442) 237)

**Endothelium**

Mg<sup>2+</sup>; Ethanol; Vascular response (Brown, R.A. (442) 241)

**Eosinophil**

Allergic rhinitis; Nitric oxide (NO) synthase; 1400 W; Eotaxin; Chemotaxis (Ferreira, H.H.A. (442) 155)

**Eotaxin**

Allergic rhinitis; Eosinophil; Nitric oxide (NO) synthase; 1400 W; Chemotaxis (Ferreira, H.H.A. (442) 155)

**Epilepsy**

$\beta$ -Adrenoceptor antagonist; Antiepileptic drug; Carbamazepine; Anticonvulsant potency; Audiogenic seizure; DBA/2 mouse (De Sarro, G. (442) 205)

**Epithelium**

Tracheal reactivity; Smooth muscle; Nitric oxide (NO) synthase; Cyclooxygenase (Klock, J. (442) 289)

**EP receptor**

Prostanoid receptor; Uterus, porcine; DP receptor; FP receptor; Smooth muscle contractility (Cao, J. (442) 115)

**Etachrynic acid**

Sulphydryl group; Detrusor muscle; *N*-ethylmaleimide; Ca<sup>2+</sup> channel (Resim, S. (442) 295)

**Ethanol**

Mg<sup>2+</sup>; Vascular response; Endothelium (Brown, R.A. (442) 241)

**Etorphine derivative**

Opioid receptor; Radioligand binding; [<sup>35</sup>S]GTP $\gamma$ S binding; Brain, rat (Biyashev, D. (442) 23)

**Focal adhesion kinase**

Lung cancer; Neurotensin; SR48692; Proliferation (Leyton, J. (442) 179)

**c-Fos**

Parkinson's disease; Dyskinesia; L-DOPA (L-3,4-dihydroxyphenylalanine); Dopamine receptor agonist (Nakazato, T. (442) 73)

**FP receptor**

Prostanoid receptor; Uterus, porcine; DP receptor; EP receptor; Smooth muscle contractility (Cao, J. (442) 115)

**GABA ( $\gamma$ -aminobutyric acid), uptake**

WIN55,212-2; Cannabinoid; Hippocampus; Temperature (Al-Hayani, A. (442) 47)

**GABA<sub>A</sub> receptor**

Jaw movement; Ventrolateral striatum; Striatal collateralised output pathway; Dopamine receptor; Acetylcholine receptor; (Rat) (Adachi, K. (442) 81)

**Gastric fundus, guinea pig**

$\beta$ -Adrenoceptor, atypical;  $\beta_3$ -Adrenoceptor; Duodenum, guinea pig; SQ-22,536; cAMP (Horinouchi, T. (442) 137)

**Gastric ulcer**

Ulcer healing, chronic; Nonsteroidal anti-inflammatory drugs; Prostaglandin; Myeloperoxidase activity; Immunohistochemistry (Berenguer, B. (442) 125)

**Ginseng**

Ginsenoside; Nicotinic acetylcholine receptor channel; *Xenopus* oocyte (Choi, S. (442) 37)

**Ginsenoside**

Ginseng; Nicotinic acetylcholine receptor channel; *Xenopus* oocyte (Choi, S. (442) 37)

**Glucose sensitivity**

Nateglinide; Pancreatic  $\beta$ -cell, rat; K<sub>ATP</sub> channel; Metabolic inhibition (Hu, S. (442) 163)

**Glutamate**

[<sup>3</sup>H](+ )MK-801; Nucleus accumbens; Cortex, prefrontal (Quadros, I.M.H. (442) 55)

**Hepatotoxicity**

Cisplatin; Procainamide; Protection (Zicca, A. (442) 265)

**Hippocampus**

WIN55,212-2; Cannabinoid; Temperature; GABA ( $\gamma$ -aminobutyric acid), uptake (Al-Hayani, A. (442) 47)

**[<sup>3</sup>H](+ )MK-801**

Glutamate; Nucleus accumbens; Cortex, prefrontal (Quadros, I.M.H. (442) 55)

**5-HT (5-hydroxytryptamine, serotonin)**

Antidepressant; Microdialysis; 5-HT (5-hydroxytryptamine, serotonin) transporter; 5-HT<sub>1A</sub> receptor; Learned helplessness test (Tordera, R.M. (442) 63)

**5-HT (5-hydroxytryptamine, serotonin) transporter**

Antidepressant; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis; 5-HT<sub>1A</sub> receptor; Learned helplessness test (Tordera, R.M. (442) 63)

**5-HT<sub>1A</sub> receptor**

Antidepressant; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis; 5-HT (5-hydroxytryptamine, serotonin) transporter; Learned helplessness test (Tordera, R.M. (442) 63)

**Hyperphagia**

Orphanin FQ; Endocannabinoid; SR 141716; Naloxone; Opioid; Anorexia; Drug additivity (Pietras, T.A. (442) 237)

**Ileum**

Nimesulide; Pentoxifylline; Contractile response; (Rat) (Kaya, T.T. (442) 147)

**Ileum, guinea pig**

Angiotensin II desensitization; Phorbol dibutyrate (PDB); Membrane repolarization; Protein kinase C inhibitor; Maxi-K<sup>+</sup> channel recruitment (Aboulafia, J. (442) 29)

**Immunohistochemistry**

Gastric ulcer; Ulcer healing, chronic; Nonsteroidal anti-inflammatory drugs; Prostaglandin; Myeloperoxidase activity (Berenguer, B. (442) 125)

**Interleukin-1**

Protein kinase B/Akt; Nitric oxide (NO); Angiotensin II; Mesangial cell (Rölz, W. (442) 195)

**Irbesartan**

Losartan; Angiotensin II receptor antagonist; Cholesterol-fed rabbit; Aorta, coronary; Mesenteric (5th branch) (Sanz, M. (442) 99)

**Jaw movement**

Ventrolateral striatum; Striatal collateralised output pathway; Dopamine receptor; Acetylcholine receptor; GABA<sub>A</sub> receptor; (Rat) (Adachi, K. (442) 81)

**K<sub>ATP</sub> channel**

Nateglinide; Pancreatic  $\beta$ -cell, rat; Glucose sensitivity; Metabolic inhibition (Hu, S. (442) 163)

**Learned helplessness test**

Antidepressant; 5-HT (5-hydroxytryptamine, serotonin); Microdialysis; 5-HT (5-hydroxytryptamine, serotonin) transporter; 5-HT<sub>1A</sub> receptor (Tordera, R.M. (442) 63)

**Lithium chloride**

Bipolar mood disorder; Protein kinase C; Down regulation; 1321N1 human astrocytoma cell; Ca<sup>2+</sup> mobilization, intracellular (Kurita, M. (442) 17)

**Locomotion**

Coffee; Quinide; Adenosine transporter; (Mouse) (De Paulis, T. (442) 215)

**Locomotor activity**

Methamphetamine; Place preference; Sex; (Rat) (Schindler, C.W. (442) 231)

**Locus coeruleus**

$\alpha_2$ -Adrenoceptor; Noradrenaline; Cortex; Cingulate; Microdialysis; Somatodendritic release (Fernández-Pastor, B. (442) 225)

**Losartan**

Irbesartan; Angiotensin II receptor antagonist; Cholesterol-fed rabbit; Aorta, coronary; Mesenteric (5th branch) (Sanz, M. (442) 99)

**Lung cancer**

Focal adhesion kinase; Neurotensin; SR48692; Proliferation (Leyton, J. (442) 179)

**Maxi-K<sup>+</sup> channel recruitment**

Angiotensin II desensitization; Phorbol dibutyrate (PDB); Membrane repolarization; Protein kinase C inhibitor; Ileum, guinea pig (Aboulafia, J. (442) 29)

**Membrane repolarization**

Angiotensin II desensitization; Phorbol dibutyrate (PDB); Protein kinase C inhibitor; Maxi-K<sup>+</sup> channel recruitment; Ileum, guinea pig (Aboulafia, J. (442) 29)

**Mesangial cell**

Protein kinase B/Akt; Interleukin-1; Nitric oxide (NO); Angiotensin II (Rölz, W. (442) 195)

**Mesenteric (5th branch)**

Irbesartan; Losartan; Angiotensin II receptor antagonist; Cholesterol-fed rabbit; Aorta, coronary (Sanz, M. (442) 99)

**Metabolic inhibition**

Nateglinide; Pancreatic  $\beta$ -cell, rat; K<sub>ATP</sub> channel; Glucose sensitivity (Hu, S. (442) 163)

**Methamphetamine**

Locomotor activity; Place preference; Sex; (Rat) (Schindler, C.W. (442) 231)

**(MPTP) 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine**

Neurotoxin; (TaClo) 1-Trichloromethyl-1,2,3,4-tetrahydro- $\beta$ -carboline; Carboline; Parkinson's disease (Riederer, P. (442) 1)

**Mg<sup>2+</sup>**

Ethanol; Vascular response; Endothelium (Brown, R.A. (442) 241)

**Microdialysis**

Antidepressant; 5-HT (5-hydroxytryptamine, serotonin); 5-HT (5-hydroxytryptamine, serotonin) transporter; 5-HT<sub>1A</sub> receptor; Learned helplessness test (Tordera, R.M. (442) 63)

$\alpha_2$ -Adrenoceptor; Noradrenaline; Locus coeruleus; Cortex; Cingulate; Somatodendritic release (Fernández-Pastor, B. (442) 225)

**Myeloperoxidase activity**

Gastric ulcer; Ulcer healing, chronic; Nonsteroidal anti-inflammatory drugs; Prostaglandin; Immunohistochemistry (Berenguer, B. (442) 125)

**Myosin light-chain kinase**

Smooth muscle, Arteriolar; Pervanadate; Tyrosine phosphorylation; Ca<sup>2+</sup>; Nifedipine; Verapamil (Murphy, T.V. (442) 107)

**Naloxone**

Orphanin FQ; Endocannabinoid; SR 141716; Opioid; Hyperphagia; Anorexia; Drug additivity (Pietras, T.A. (442) 237)

**Nateglinide**

Pancreatic  $\beta$ -cell, rat; K<sub>ATP</sub> channel; Glucose sensitivity; Metabolic inhibition (Hu, S. (442) 163)

**Nephrotoxicity**

Renal failure, acute; Oxidative stress; Apoptosis; Anticancer drug (Bhat, S.G. (442) 251)

**N-ethylmaleimide**

Sulfhydryl group; Detrusor muscle; Etachrynic acid; Ca<sup>2+</sup> channel (Resim, S. (442) 295)

**Neurotensin**

Lung cancer; Focal adhesion kinase; SR48692; Proliferation (Leyton, J. (442) 179)

**Neurotoxin**

(TaClo) 1-Trichloromethyl-1,2,3,4-tetrahydro- $\beta$ -carboline; Carboline; Parkinson's disease; (MPTP) 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (Riederer, P. (442) 1)

**1321N1 human astrocytoma cell**

Lithium chloride; Bipolar mood disorder; Protein kinase C; Down regulation; Ca<sup>2+</sup> mobilization, intracellular (Kurita, M. (442) 17)

**Nicotinic acetylcholine receptor channel**

Ginseng; Ginsenoside; *Xenopus* oocyte (Choi, S. (442) 37)

**Nifedipine**

Smooth muscle, Arteriolar; Pervanadate; Tyrosine phosphorylation; Ca<sup>2+</sup>; Verapamil; Myosin light-chain kinase (Murphy, T.V. (442) 107)

**Nimesulide**

Pentoxifylline; Contractile response; Ileum; (Rat) (Kaya, T.T. (442) 147)

**Nitric oxide (NO)**

Protein kinase B/Akt; Interleukin-1; Angiotensin II; Mesangial cell (Rölz, W. (442) 195)

**Nitric oxide (NO) synthase**

Allergic rhinitis; Eosinophil; 1400 W; Eotaxin; Chemotaxis (Ferreira, H.H.A. (442) 155)

Tracheal reactivity; Smooth muscle; Cyclo-oxygenase; Epithelium (Kloek, J. (442) 289)

**Nonsteroidal anti-inflammatory drugs**

Gastric ulcer; Ulcer healing, chronic; Prostaglandin; Myeloperoxidase activity; Immunohistochemistry (Berenguer, B. (442) 125)

**Noradrenaline**

$\alpha_2$ -Adrenoceptor; Locus coeruleus; Cortex; Cingulate; Microdialysis; Somatodendritic release (Fernández-Pastor, B. (442) 225)

**Nucleus accumbens**

[<sup>3</sup>H](+)-MK-801; Glutamate; Cortex, prefrontal (Quadros, I.M.H. (442) 55)

**Opioid**

Orphanin FQ; Endocannabinoid; SR 141716; Naloxone; Hyperphagia; Anorexia; Drug additivity (Pietras, T.A. (442) 237)

**Opioid receptor**

Etorphine derivative; Radioligand binding; [<sup>35</sup>S]GTP $\gamma$ S binding; Brain, rat (Biyashev, D. (442) 23)

**Orphanin FQ**

Endocannabinoid; SR 141716; Naloxone; Opioid; Hyperphagia; Anorexia; Drug additivity (Pietras, T.A. (442) 237)

**Oxidative stress**

Nephrotoxicity; Renal failure, acute; Apoptosis; Anticancer drug (Bhat, S.G. (442) 251)

**Pancreatic  $\beta$ -cell, rat**

Nateglinide;  $K_{ATP}$  channel; Glucose sensitivity; Metabolic inhibition (Hu, S. (442) 163)

**Parkinson's disease**

Neurotoxin; (TaClo) 1-Trichloromethyl-1,2,3,4-tetrahydro- $\beta$ -carboline; Carboline; (MPTP) 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (Riederer, P. (442) 1)

c-Fos; Dyskinesia; L-DOPA (L-3,4-dihydroxyphenylalanine); Dopamine receptor agonist (Nakazato, T. (442) 73)

**Pentoxifylline**

Nimesulide; Contractile response; Ileum; (Rat) (Kaya, T.T. (442) 147)

**Pervanadate**

Smooth muscle, Arteriolar; Tyrosine phosphorylation;  $Ca^{2+}$ ; Nifedipine; Verapamil; Myosin light-chain kinase (Murphy, T.V. (442) 107)

**Phorbol dibutyrate (PDB)**

Angiotensin II desensitization; Membrane repolarization; Protein kinase C inhibitor; Maxi- $K^+$  channel recruitment; Ileum, guinea pig (Aboulafia, J. (442) 29)

**Place preference**

Methamphetamine; Locomotor activity; Sex; (Rat) (Schindler, C.W. (442) 231)

**Pralidoxime derivative**

Protection; Soman; Cholinergic property (Loke, W.-K. (442) 279)

**Preconditioning**

CGRP (calcitonin gene-related peptide); Capsaicin; Reperfusion injury; TNF- $\alpha$  (tumor necrosis factor- $\alpha$ ) (Li, Y.-J. (442) 173)

**Procainamide**

Cisplatin; Hepatotoxicity; Protection (Zicca, A. (442) 265)

**Proliferation**

Lung cancer; Focal adhesion kinase; Neurotensin; SR48692 (Leyton, J. (442) 179)

**Prostaglandin**

Gastric ulcer; Ulcer healing, chronic; Nonsteroidal anti-inflammatory drugs; Myeloperoxidase activity; Immunohistochemistry (Berenguer, B. (442) 125)

**Prostanoid receptor**

Uterus, porcine; DP receptor; FP receptor; EP receptor; Smooth muscle contractility (Cao, J. (442) 115)

**Protection**

Cisplatin; Procainamide; Hepatotoxicity (Zicca, A. (442) 265)

Pralidoxime derivative; Soman; Cholinergic property (Loke, W.-K. (442) 279)

**Protein kinase B / Akt**

Interleukin-1; Nitric oxide (NO); Angiotensin II; Mesangial cell (Rölz, W. (442) 195)

**Protein kinase C**

Lithium chloride; Bipolar mood disorder; Down regulation; 1321N1 human astrocytoma cell;  $Ca^{2+}$  mobilization, intracellular (Kurita, M. (442) 17)

**Protein kinase C inhibitor**

Angiotensin II desensitization; Phorbol dibutyrate (PDB); Membrane repolarization; Maxi- $K^+$  channel recruitment; Ileum, guinea pig (Aboulafia, J. (442) 29)

**Quinide**

Coffee; Adenosine transporter; Locomotion; (Mouse) (De Paulis, T. (442) 215)

**Radioligand binding**

Opioid receptor; Etorphine derivative; [<sup>35</sup>S]GTP $\gamma$ S binding; Brain, rat (Biyashev, D. (442) 23)

**Renal failure, acute**

Nephrotoxicity; Oxidative stress; Apoptosis; Anticancer drug (Bhat, S.G. (442) 251)

**Reperfusion injury**

Preconditioning; CGRP (calcitonin gene-related peptide); Capsaicin; TNF- $\alpha$  (tumor necrosis factor- $\alpha$ ) (Li, Y.-J. (442) 173)

**RTI 113**

Cocaine; Discriminative stimulus effect; Drug discrimination; (Rat); (Squirrel monkey) (Cook, C.D. (442) 93)

**Sex**

Methamphetamine; Locomotor activity; Place preference; (Rat) (Schindler, C.W. (442) 231)

**[<sup>35</sup>S]GTP $\gamma$ S binding**

Opioid receptor; Etorphine derivative; Radioligand binding; Brain, rat (Biyashev, D. (442) 23)

**SK-N-MC**

CGRP receptor; BIBN4096BS; CGRP receptor antagonist; (Marmoset) (Schindler, M. (442) 187)

**Smooth muscle**

Tracheal reactivity; Nitric oxide (NO) synthase; Cyclo-oxygenase; Epithelium (Kloek, J. (442) 289)

**Smooth muscle, Arteriolar**

Pervanadate; Tyrosine phosphorylation;  $\text{Ca}^{2+}$ ; Nifedipine; Verapamil; Myosin light-chain kinase (Murphy, T.V. (442) 107)

**Smooth muscle contractility**

Prostanoid receptor; Uterus, porcine; DP receptor; FP receptor; EP receptor (Cao, J. (442) 115)

**Soman**

Pralidoxime derivative; Protection; Cholinergic property (Loke, W.-K. (442) 279)

**Somatodendritic release**

$\alpha_2$ -Adrenoceptor; Noradrenaline; Locus coeruleus; Cortex; Cingulate; Microdialysis (Fernández-Pastor, B. (442) 225)

**SQ-22,536**

$\beta$ -Adrenoceptor, atypical;  $\beta_3$ -Adrenoceptor; Gastric fundus, guinea pig; Duodenum, guinea pig; cAMP (Horinouchi, T. (442) 137)

**SR48692**

Lung cancer; Focal adhesion kinase; Neurotensin; Proliferation (Leyton, J. (442) 179)

**SR 141716**

Orphanin FQ; Endocannabinoid; Naloxone; Opioid; Hyperphagia; Anorexia; Drug additivity (Pietras, T.A. (442) 237)

**Striatal collateralised output pathway**

Jaw movement; Ventrolateral striatum; Dopamine receptor; Acetylcholine receptor; GABA<sub>A</sub> receptor; (Rat) (Adachi, K. (442) 81)

**Sulfhydryl group**

Detrusor muscle; Etachrynic acid; *N*-ethylmaleimide;  $\text{Ca}^{2+}$  channel (Resim, S. (442) 295)

**Temperature**

WIN55,212-2; Cannabinoid; Hippocampus; GABA ( $\gamma$ -aminobutyric acid), uptake (Al-Hayani, A. (442) 47)

**TNF- $\alpha$  (tumor necrosis factor- $\alpha$ )**

Preconditioning; CGRP (calcitonin gene-related peptide); Capsaicin; Reperfusion injury (Li, Y.-J. (442) 173)

**Tracheal reactivity**

Smooth muscle; Nitric oxide (NO) synthase; Cyclo-oxygenase; Epithelium (Kloek, J. (442) 289)

**(TaClo) 1-Trichloromethyl-1,2,3,4-tetrahydro- $\beta$ -carboline**

Neurotoxin; Carboline; Parkinson's disease; (MPTP) 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (Riederer, P. (442) 1)

**Tyrosine phosphorylation**

Smooth muscle, Arteriolar; Pervanadate;  $\text{Ca}^{2+}$ ; Nifedipine; Verapamil; Myosin light-chain kinase (Murphy, T.V. (442) 107)

**Ulcer healing, chronic**

Gastric ulcer; Nonsteroidal anti-inflammatory drugs; Prostaglandin; Myeloperoxidase activity; Immunohistochemistry (Berenguer, B. (442) 125)

**Uterus, porcine**

Prostanoid receptor; DP receptor; FP receptor; EP receptor; Smooth muscle contractility (Cao, J. (442) 115)

**Vanilloid**

Emesis, acute; Emesis, delayed; Apomorphine; (Dog); (Ferret) (Yamakuni, H. (442) 273)

**Vascular response**

$\text{Mg}^{2+}$ ; Ethanol; Endothelium (Brown, R.A. (442) 241)

**Ventrolateral striatum**

Jaw movement; Striatal collateralised output pathway; Dopamine receptor; Acetylcholine receptor; GABA<sub>A</sub> receptor; (Rat) (Adachi, K. (442) 81)

**Verapamil**

Smooth muscle, Arteriolar; Pervanadate; Tyrosine phosphorylation;  $\text{Ca}^{2+}$ ; Nifedipine; Myosin light-chain kinase (Murphy, T.V. (442) 107)

**1400 W**

Allergic rhinitis; Eosinophil; Nitric oxide (NO) synthase; Eotaxin; Chemotaxis (Ferreira, H.H.A. (442) 155)

**WIN55,212-2**

Cannabinoid; Hippocampus; Temperature; GABA ( $\gamma$ -aminobutyric acid), uptake (Al-Hayani, A. (442) 47)

***Xenopus* oocyte**

Ginseng; Ginsenoside; Nicotinic acetylcholine receptor channel (Choi, S. (442) 37)