

## Keyword index

### A431 xenograft

Amlodipine; Proliferation; Epidermoid carcinoma A431 cell human; Uridine 5'-triphosphate; Intracellular  $\text{Ca}^{2+}$  (Yoshida, J. (492) 103)

### Addiction

18-Methoxycoronaridine; Ibogaine; Nicotinic receptor; *N*-methyl-D-aspartate receptor (Pace, C.J. (492) 159)

### Adenylyl cyclase cascade

Morphine tolerance; Phosphatidylinositol cascade; Analgesia; Hypothermia; (Mouse) (Javed, R.R. (492) 149)

### $\beta_2$ -Adrenoceptor

Airway smooth muscle; cAMP; (Guinea pig); Salbutamol; SQ 22,536 (Koike, K. (492) 65)

### AF-DX116

Prepulse inhibition; Scopolamine; 4-DAMP; Tropicamide; Pirenzepine; Muscarinic receptor; (Mouse) (Ukai, M. (492) 183)

### Airway smooth muscle

$\beta_2$ -Adrenoceptor; cAMP; (Guinea pig); Salbutamol; SQ 22,536 (Koike, K. (492) 65)

### Alcohol intake

Baclofen; Morphine; WIN 55,212-2; Sardinian alcohol-preferring (sP), rat (Colombo, G. (492) 189)

### Allergic, dog

Cough; Histamine (House, A. (492) 251)

### Allodynia

Riboflavin; Hyperalgesia; B vitamin (Granados-Soto, V. (492) 35)

### Aminoguanidine hydrochloride

Synergism; Formalin test; (Mouse); Rofecoxib (Dudhgaonkar, S.P. (492) 117)

### 5-Aminoisoquinolinone

Reperfusion; Artery occlusion (Di Paola, R. (492) 203)

### Amlodipine

Proliferation; Epidermoid carcinoma A431 cell human; Uridine 5'-triphosphate; Intracellular  $\text{Ca}^{2+}$ ; A431 xenograft (Yoshida, J. (492) 103)

### Analgesia

Metabotropic glutamate receptors; Opioid tolerance; Phosphatidylinositol cascade; (Mouse) (Smith, F.L. (492) 137)

Morphine tolerance; Phosphatidylinositol cascade; Adenylyl cyclase cascade; Hypothermia; (Mouse) (Javed, R.R. (492) 149)

### Anandamide uptake

Endocannabinoid; Fatty acid amide hydrolase; C6 glioma cell (Fowler, C.J. (492) 1)

### Antagonist

YM598; Endothelin  $\text{ET}_A$  receptor; Nociception; Prostate cancer (Yuyama, H. (492) 177)

### Antidepressant

Depression; Forced swimming test; Imipramine (D'Aquila, P.S. (492) 61)

### Aorta, rat

Kaurenoic acid; Relaxation;  $\text{K}^+$  channel;  $\text{Ca}^{2+}$  influx (Tirapelli, C.R. (492) 233)

### Apomorphine

Eticlopride; Vesicular monoamine transporter; Redistribution; Neurodegeneration (Truong, J.G. (492) 143)

### Apoptosis

Cynaropicrin; Sesquiterpene lactone; Cytotoxicity; Cell cycle arrest; PKC $\delta$  (Cho, J.Y. (492) 85)

### Artery occlusion

5-Aminoisoquinolinone; Reperfusion (Di Paola, R. (492) 203)

### Atherosclerosis

Inducible nitric oxide synthase; L-NIL (*N*-iminoethyl-L-lysine); L-arginine; (Rabbit); Superoxide anion (Simonet, S. (492) 211)

### ATP-sensitive $\text{K}^+$ channel

Hypothalamus; Blood glucose; Hypoglycemic; Glibenclamide; Repaglinide (Zhang, Y. (492) 71)

### Autonomic nervous system

Hypertension; Neonatal, rat; Spinal cord (Peng, S.-C. (492) 49)

### B vitamin

Riboflavin; Allodynia; Hyperalgesia (Granados-Soto, V. (492) 35)

### Baclofen

Alcohol intake; Morphine; WIN 55,212-2; Sardinian alcohol-preferring (sP), rat (Colombo, G. (492) 189)

### Barostat

5-HT $_{1F}$ ; Proximal stomach; Sumatriptan; Retching (Janssen, P. (492) 259)

### BDNF

Zinc; Cortex; Hippocampus (Nowak, G. (492) 57)

### Bladder selectivity

Solifenacin; Urinary bladder; Salivary gland (Ohtake, A. (492) 243)

### Blood glucose

Hypothalamus; ATP-sensitive  $\text{K}^+$  channel; Hypoglycemic; Glibenclamide; Repaglinide (Zhang, Y. (492) 71)

### $\text{Ca}^{2+}$ influx

Kaurenoic acid; Relaxation; Aorta, rat;  $\text{K}^+$  channel (Tirapelli, C.R. (492) 233)

**C6 glioma cell**

Endocannabinoid; Anandamide uptake; Fatty acid amide hydrolase (Fowler, C.J. (492) 1)

**Caffeine**

Human heart; Skinned fibre; Ouabain; Ryanodine channel (Hambarchian, N. (492) 225)

**Calcium antagonist**

Marrubenol; L-type  $\text{Ca}^{2+}$  channel; 1,4-Dihydropyridine; Phenylalkylamine (El Bardai, S. (492) 269)

**cAMP**

Airway smooth muscle;  $\beta_2$ -Adrenoceptor; (Guinea pig); Salbutamol; SQ 22,536 (Koike, K. (492) 65)

**Cell cycle arrest**

Cynaropicrin; Sesquiterpene lactone; Cytotoxicity; Apoptosis; PKC $\delta$  (Cho, J.Y. (492) 85)

**c-GMP**

Nitric oxide;  $\text{K}_{\text{ATP}}$ ; PKG; Urinary bladder (Deka, D.K. (492) 13)

**Chlorambucil**

Collagen biosynthesis; Prolidase;  $\beta_1$ -integrins; IGF-I receptor; MCF-7 (Sienkiewicz, P. (492) 95)

**Citalopram**

Flinders sensitive line rat model; Depression; CRF $_1$  receptor antagonist; Desipramine, forced swim test; Social interaction test (Overstreet, D.H. (492) 195)

**Cocaine**

Convulsion; Lethality;  $\sigma$  Receptor; Toxicity (Matsumoto, R.R. (492) 21)

**Collagen biosynthesis**

Chlorambucil; Prolidase;  $\beta_1$ -integrins; IGF-I receptor; MCF-7 (Sienkiewicz, P. (492) 95)

**Convulsion**

Cocaine; Lethality;  $\sigma$  Receptor; Toxicity (Matsumoto, R.R. (492) 21)

**Cortex**

Zinc; BDNF; Hippocampus (Nowak, G. (492) 57)

**Cough**

Allergic, dog; Histamine (House, A. (492) 251)

**CRF $_1$  receptor antagonist**

Flinders sensitive line rat model; Depression; Citalopram; Desipramine, forced swim test; Social interaction test (Overstreet, D.H. (492) 195)

**Cynaropicrin**

Sesquiterpene lactone; Cytotoxicity; Apoptosis; Cell cycle arrest; PKC $\delta$  (Cho, J.Y. (492) 85)

**Cytotoxicity**

Cynaropicrin; Sesquiterpene lactone; Apoptosis; Cell cycle arrest; PKC $\delta$  (Cho, J.Y. (492) 85)

**4-DAMP**

Prepulse inhibition; Scopolamine; AF-DX116; Tropicamide; Pirenzepine; Muscarinic receptor; (Mouse) (Ukai, M. (492) 183)

**Depression**

Antidepressant; Forced swimming test; Imipramine (D'Aquila, P.S. (492) 61)

Flinders sensitive line rat model; CRF $_1$  receptor antagonist; Citalopram; Desipramine, forced swim test; Social interaction test (Overstreet, D.H. (492) 195)

**Desipramine, forced swim test**

Flinders sensitive line rat model; Depression; CRF $_1$  receptor antagonist; Citalopram; Social interaction test (Overstreet, D.H. (492) 195)

**1,4-Dihydropyridine**

Marrubenol; Calcium antagonist; L-type  $\text{Ca}^{2+}$  channel; Phenylalkylamine (El Bardai, S. (492) 269)

**Dorsal raphe**

mGlu $_8$ ; MPEP; Serotonin; Microdialysis; Thermal nociception (Palazzo, E. (492) 169)

**Endocannabinoid**

Anandamide uptake; Fatty acid amide hydrolase; C6 glioma cell (Fowler, C.J. (492) 1)

**Endothelin ET $_A$  receptor**

YM598; Antagonist; Nociception; Prostate cancer (Yuyama, H. (492) 177)

**Endothelin receptor**

Positive inotropic effect; (Rabbit); Endothelin receptor antagonist; TAK-044; FR139317 (Yomogida, S.-i. (492) 217)

**Endothelin receptor antagonist**

Positive inotropic effect; (Rabbit); Endothelin receptor; TAK-044; FR139317 (Yomogida, S.-i. (492) 217)

**Epidermoid carcinoma A431 cell human**

Amlodipine; Proliferation; Uridine 5'-triphosphate; Intracellular  $\text{Ca}^{2+}$ ; A431 xenograft (Yoshida, J. (492) 103)

**Epsilon receptor**

Opioid receptor; Knockout mice; [ $^{35}\text{S}$ ]GTP $\gamma\text{S}$  binding assay (Contet, C. (492) 131)

**Eticlopride**

Apomorphine; Vesicular monoamine transporter; Redistribution; Neurodegeneration (Truong, J.G. (492) 143)

**Fatty acid amide hydrolase**

Endocannabinoid; Anandamide uptake; C6 glioma cell (Fowler, C.J. (492) 1)

**Flinders sensitive line rat model**

Depression; CRF $_1$  receptor antagonist; Citalopram; Desipramine, forced swim test; Social interaction test (Overstreet, D.H. (492) 195)

**Forced swimming test**

Antidepressant; Depression; Imipramine (D'Aquila, P.S. (492) 61)

**Formalin test**

Synergism; (Mouse); Rofecoxib; Aminoguanidine hydrochloride (Dudhgaonkar, S.P. (492) 117)

**FR139317**

Positive inotropic effect; (Rabbit); Endothelin receptor; Endothelin receptor antagonist; TAK-044 (Yomogida, S.-i. (492) 217)

**Genetic difference**

Opioid; Pharmacokinetic; Pharmacodynamic (Bulka, A. (492) 27)

**Glibenclamide**

Hypothalamus; Blood glucose; ATP-sensitive  $\text{K}^+$  channel; Hypoglycemic; Repaglinide (Zhang, Y. (492) 71)

**GPR14**

Urotensin-II; UT receptor; SB-710411; Somatostatin (Behm, D.J. (492) 113)

**(Guinea pig)**

Airway smooth muscle;  $\beta_2$ -Adrenoceptor; cAMP; Salbutamol; SQ 22,536 (Koike, K. (492) 65)

**Heroin**

Mu-opioid; Morphine; Mu-opioid receptor; MOR-1; MOP (Gilbert, A.-K. (492) 123)

**Hippocampus**

Zinc; BDNF; Cortex (Nowak, G. (492) 57)

**Histamine**

Cough; Allergic, dog (House, A. (492) 251)

**5-HT<sub>1F</sub>**

Barostat; Proximal stomach; Sumatriptan; Retching (Janssen, P. (492) 259)

**Human heart**

Skinned fibre; Ouabain; Caffeine; Ryanodine channel (Hambarchian, N. (492) 225)

**Hyperalgesia**

Riboflavin; Allodynia; B vitamin (Granados-Soto, V. (492) 35)

**Hypertension**

Autonomic nervous system; Neonatal, rat; Spinal cord (Peng, S.-C. (492) 49)

**Hypoglycemic**

Hypothalamus; Blood glucose; ATP-sensitive  $K^+$  channel; Glibenclamide; Repaglinide (Zhang, Y. (492) 71)

**Hypothalamus**

Blood glucose; ATP-sensitive  $K^+$  channel; Hypoglycemic; Glibenclamide; Repaglinide (Zhang, Y. (492) 71)

**Hypothermia**

Morphine tolerance; Phosphatidylinositol cascade; Adenylyl cyclase cascade; Analgesia; (Mouse) (Javed, R.R. (492) 149)

**Ibogaïne**

18-Methoxycoronaridine; Nicotinic receptor; *N*-methyl-D-aspartate receptor; Addiction (Pace, C.J. (492) 159)

**IGF-I receptor**

Chlorambucil; Collagen biosynthesis; Prolidase;  $\beta_1$ -integrins; MCF-7 (Sienkiewicz, P. (492) 95)

**Imipramine**

Antidepressant; Depression; Forced swimming test (D'Aquila, P.S. (492) 61)

**Inducible nitric oxide synthase**

L-NIL (*N*-iminoethyl-L-lysine); L-arginine; Atherosclerosis; (Rabbit); Superoxide anion (Simonet, S. (492) 211)

 **$\beta_1$ -integrins**

Chlorambucil; Collagen biosynthesis; Prolidase; IGF-I receptor; MCF-7 (Sienkiewicz, P. (492) 95)

**Intracellular  $Ca^{2+}$** 

Amlodipine; Proliferation; Epidermoid carcinoma A431 cell human; Uridine 5'-triphosphate; A431 xenograft (Yoshida, J. (492) 103)

**In vivo intracerebral microdialysis**

Substance P (neurokinin 1) receptor; Serotonin (5-HT) transporter; Knock-out, mice (David, D.J. (492) 41)

**I.v. infusion**

Vitamin B<sub>2</sub>; Proinflammatory cytokine; Nitric oxide (Toyosawa, T. (492) 273)

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

Nitric oxide; c-GMP; PKG; Urinary bladder (Deka, D.K. (492) 13)

**K<sup>+</sup> channel**

Kaurenoic acid; Relaxation; Aorta, rat;  $Ca^{2+}$  influx (Tirapelli, C.R. (492) 233)

**Kaurenoic acid**

Relaxation; Aorta, rat;  $K^+$  channel;  $Ca^{2+}$  influx (Tirapelli, C.R. (492) 233)

**Knock-out, mice**

Substance P (neurokinin 1) receptor; Serotonin (5-HT) transporter; In vivo intracerebral microdialysis (David, D.J. (492) 41)

Epsilon receptor; Opioid receptor; [<sup>35</sup>S]GTPγS binding assay (Contet, C. (492) 131)

**L-arginine**

Inducible nitric oxide synthase; L-NIL (*N*-iminoethyl-L-lysine); Atherosclerosis; (Rabbit); Superoxide anion (Simonet, S. (492) 211)

**Lethality**

Cocaine; Convulsion;  $\sigma$  Receptor; Toxicity (Matsumoto, R.R. (492) 21)

**L-NIL (*N*-iminoethyl-L-lysine)**

Inducible nitric oxide synthase; L-arginine; Atherosclerosis; (Rabbit); Superoxide anion (Simonet, S. (492) 211)

**L-type  $Ca^{2+}$  channel**

Marrubenol; Calcium antagonist; 1,4-Dihydropyridine; Phenylalkylamine (El Bardai, S. (492) 269)

**Marrubenol**

Calcium antagonist; L-type  $Ca^{2+}$  channel; 1,4-Dihydropyridine; Phenylalkylamine (El Bardai, S. (492) 269)

**MCF-7**

Chlorambucil; Collagen biosynthesis; Prolidase;  $\beta_1$ -integrins; IGF-I receptor (Sienkiewicz, P. (492) 95)

**Metabotropic glutamate receptors**

Opioid tolerance; Phosphatidylinositol cascade; Analgesia; (Mouse) (Smith, F.L. (492) 137)

**18-Methoxycoronaridine**

Ibogaïne; Nicotinic receptor; *N*-methyl-D-aspartate receptor; Addiction (Pace, C.J. (492) 159)

**mGlu<sub>5</sub>**

MPEP; Serotonin; Dorsal raphe; Microdialysis; Thermal nociception (Palazzo, E. (492) 169)

**Microdialysis**

mGlu<sub>5</sub>; MPEP; Serotonin; Dorsal raphe; Thermal nociception (Palazzo, E. (492) 169)

**MOP**

Heroin; Mu-opioid; Morphine; Mu-opioid receptor; MOR-1 (Gilbert, A.-K. (492) 123)

**MOR-1**

Heroin; Mu-opioid; Morphine; Mu-opioid receptor; MOP (Gilbert, A.-K. (492) 123)

**Morphine**

Heroin; Mu-opioid; Mu-opioid receptor; MOR-1; MOP (Gilbert, A.-K. (492) 123)

Alcohol intake; Baclofen; WIN 55,212-2; Sardinian alcohol-preferring (sP), rat (Colombo, G. (492) 189)

**Morphine tolerance**

Phosphatidylinositol cascade; Adenylyl cyclase cascade; Analgesia; Hypothermia; (Mouse) (Javed, R.R. (492) 149)

**(Mouse)**

Synergism; Formalin test; Rofecoxib; Aminoguanidine hydrochloride (Dudhgaonkar, S.P. (492) 117)

Metabotropic glutamate receptors; Opioid tolerance; Phosphatidylinositol cascade; Analgesia (Smith, F.L. (492) 137)

Morphine tolerance; Phosphatidylinositol cascade; Adenylyl cyclase cascade; Analgesia; Hypothermia (Javed, R.R. (492) 149)

Prepulse inhibition; Scopolamine; AF-DX116; 4-DAMP; Tropicamide; Pirenzepine; Muscarinic receptor (Ukai, M. (492) 183)

**MPEP**

mGlu<sub>5</sub>; Serotonin; Dorsal raphe; Microdialysis; Thermal nociception (Palazzo, E. (492) 169)

**Mu-opioid**

Heroin; Morphine; Mu-opioid receptor; MOR-1; MOP (Gilbert, A.-K. (492) 123)

**Mu-opioid receptor**

Heroin; Mu-opioid; Morphine; MOR-1; MOP (Gilbert, A.-K. (492) 123)

**Muscarinic receptor**

Prepulse inhibition; Scopolamine; AF-DX116; 4-DAMP; Tropicamide; Pirenzepine; (Mouse) (Ukai, M. (492) 183)

**Neonatal, rat**

Autonomic nervous system; Hypertension; Spinal cord (Peng, S.-C. (492) 49)

**Neurodegeneration**

Apomorphine; Eticlopride; Vesicular monoamine transporter; Redistribution (Truong, J.G. (492) 143)

**Nicotinic receptor**

18-Methoxycoronaridine; Ibogaine; *N*-methyl-D-aspartate receptor; Addiction (Pace, C.J. (492) 159)

**Nitric oxide**

K<sub>ATP</sub>; c-GMP; PKG; Urinary bladder (Deka, D.K. (492) 13)

Vitamin B<sub>2</sub>; I.v. infusion; Proinflammatory cytokine (Toyosawa, T. (492) 273)

***N*-methyl-D-aspartate receptor**

18-Methoxycoronaridine; Ibogaine; Nicotinic receptor; Addiction (Pace, C.J. (492) 159)

**Nociception**

YM598; Antagonist; Endothelin ET<sub>A</sub> receptor; Prostate cancer (Yuyama, H. (492) 177)

**Opioid**

Genetic difference; Pharmacokinetic; Pharmacodynamic (Bulka, A. (492) 27)

**Opioid receptor**

Epsilon receptor; Knockout mice; [<sup>35</sup>S]GTPγS binding assay (Contet, C. (492) 131)

**Opioid tolerance**

Metabotropic glutamate receptors; Phosphatidylinositol cascade; Analgesia; (Mouse) (Smith, F.L. (492) 137)

**Ouabain**

Human heart; Skinned fibre; Caffeine; Ryanodine channel (Hambarchian, N. (492) 225)

**Pharmacodynamic**

Genetic difference; Opioid; Pharmacokinetic (Bulka, A. (492) 27)

**Pharmacokinetic**

Genetic difference; Opioid; Pharmacodynamic (Bulka, A. (492) 27)

**Phenylalkylamine**

Marrubenol; Calcium antagonist; L-type Ca<sup>2+</sup> channel; 1,4-Dihydropyridine (El Bardai, S. (492) 269)

**Phosphatidylinositol cascade**

Metabotropic glutamate receptors; Opioid tolerance; Analgesia; (Mouse) (Smith, F.L. (492) 137)

Morphine tolerance; Adenylyl cyclase cascade; Analgesia; Hypothermia; (Mouse) (Javed, R.R. (492) 149)

**Pirenzepine**

Prepulse inhibition; Scopolamine; AF-DX116; 4-DAMP; Tropicamide; Muscarinic receptor; (Mouse) (Ukai, M. (492) 183)

**PKCδ**

Cynaropicrin; Sesquiterpene lactone; Cytotoxicity; Apoptosis; Cell cycle arrest (Cho, J.Y. (492) 85)

**PKG**

Nitric oxide; K<sub>ATP</sub>; c-GMP; Urinary bladder (Deka, D.K. (492) 13)

**Positive inotropic effect**

(Rabbit); Endothelin receptor; Endothelin receptor antagonist; TAK-044; FR139317 (Yomogida, S.-i. (492) 217)

**Prepulse inhibition**

Scopolamine; AF-DX116; 4-DAMP; Tropicamide; Pirenzepine; Muscarinic receptor; (Mouse) (Ukai, M. (492) 183)

**Proinflammatory cytokine**

Vitamin B<sub>2</sub>; I.v. infusion; Nitric oxide (Toyosawa, T. (492) 273)

**Prolidase**

Chlorambucil; Collagen biosynthesis; β<sub>1</sub>-integrins; IGF-I receptor; MCF-7 (Sienkiewicz, P. (492) 95)

**Proliferation**

Amlodipine; Epidermoid carcinoma A431 cell human; Uridine 5'-triphosphate; Intracellular Ca<sup>2+</sup>; A431 xenograft (Yoshida, J. (492) 103)

**Prostate cancer**

YM598; Antagonist; Endothelin ET<sub>A</sub> receptor; Nociception (Yuyama, H. (492) 177)

**Proximal stomach**

5-HT<sub>1F</sub>; Barostat; Sumatriptan; Retching (Janssen, P. (492) 259)

**(Rabbit)**

Inducible nitric oxide synthase; L-NIL (*N*-iminoethyl-L-lysine); L-arginine; Atherosclerosis; Superoxide anion (Simonet, S. (492) 211)

Positive inotropic effect; Endothelin receptor; Endothelin receptor antagonist; TAK-044; FR139317 (Yomogida, S.-i. (492) 217)

**σ Receptor**

Cocaine; Convulsion; Lethality; Toxicity (Matsumoto, R.R. (492) 21)

**Redistribution**

Apomorphine; Eticlopride; Vesicular monoamine transporter; Neurodegeneration (Truong, J.G. (492) 143)

**Relaxation**

Kaurenoic acid; Aorta, rat; K<sup>+</sup> channel; Ca<sup>2+</sup> influx (Tirapelli, C.R. (492) 233)

**Repaglinide**

Hypothalamus; Blood glucose; ATP-sensitive K<sup>+</sup> channel; Hypoglycemic; Glibenclamide (Zhang, Y. (492) 71)

**Reperfusion**

5-Aminoisoquinolinone; Artery occlusion (Di Paola, R. (492) 203)

**Retching**

5-HT<sub>1F</sub>; Barostat; Proximal stomach; Sumatriptan (Janssen, P. (492) 259)

**Riboflavin**

Allodynia; Hyperalgesia; B vitamin (Granados-Soto, V. (492) 35)

**Rofecoxib**

Synergism; Formalin test; (Mouse); Aminoguanidine hydrochloride (Dudhgaonkar, S.P. (492) 117)

**Ryanodine channel**

Human heart; Skinned fibre; Ouabain; Caffeine (Hambarchian, N. (492) 225)

**Salbutamol**

Airway smooth muscle; β<sub>2</sub>-Adrenoceptor; cAMP; (Guinea pig); SQ 22,536 (Koike, K. (492) 65)

**Salivary gland**

Solifenacin; Urinary bladder; Bladder selectivity (Ohtake, A. (492) 243)

**Sardinian alcohol-preferring (sP), rat**

Alcohol intake; Baclofen; Morphine; WIN 55,212-2 (Colombo, G. (492) 189)

**SB-710411**

Urotensin-II; UT receptor; GPR14; Somatostatin (Behm, D.J. (492) 113)

**Scopolamine**

Prepulse inhibition; AF-DX116; 4-DAMP; Tropicamide; Pirenzepine; Muscarinic receptor; (Mouse) (Ukai, M. (492) 183)

**Serotonin**

mGlu<sub>5</sub>; MPEP; Dorsal raphe; Microdialysis; Thermal nociception (Palazzo, E. (492) 169)

**Serotonin (5-HT) transporter**

Substance P (neurokinin 1) receptor; In vivo intracerebral microdialysis; Knock-out, mice (David, D.J. (492) 41)

**Sesquiterpene lactone**

Cynaropicrin; Cytotoxicity; Apoptosis; Cell cycle arrest; PKCδ (Cho, J.Y. (492) 85)

**[<sup>35</sup>S]GTPγS binding assay**

Epsilon receptor; Opioid receptor; Knockout mice (Contet, C. (492) 131)

**Skinned fibre**

Human heart; Ouabain; Caffeine; Ryanodine channel (Hambarchian, N. (492) 225)

**Social interaction test**

Flinders sensitive line rat model; Depression; CRF<sub>1</sub> receptor antagonist; Citalopram; Desipramine, forced swim test (Overstreet, D.H. (492) 195)

**Solifenacin**

Urinary bladder; Salivary gland; Bladder selectivity (Ohtake, A. (492) 243)

**Somatostatin**

Urotensin-II; UT receptor; GPR14; SB-710411 (Behm, D.J. (492) 113)

**Spinal cord**

Autonomic nervous system; Hypertension; Neonatal, rat (Peng, S.-C. (492) 49)

**SQ 22,536**

Airway smooth muscle; β<sub>2</sub>-Adrenoceptor; cAMP; (Guinea pig); Salbutamol (Koike, K. (492) 65)

**Substance P (neurokinin 1) receptor**

Serotonin (5-HT) transporter; In vivo intracerebral microdialysis; Knock-out, mice (David, D.J. (492) 41)

**Sumatriptan**

5-HT<sub>1F</sub>; Barostat; Proximal stomach; Retching (Janssen, P. (492) 259)

**Superoxide anion**

Inducible nitric oxide synthase; L-NIL (*N*-iminoethyl-L-lysine); L-arginine; Atherosclerosis; (Rabbit) (Simonet, S. (492) 211)

**Synergism**

Formalin test; (Mouse); Rofecoxib; Aminoguanidine hydrochloride (Dudhgaonkar, S.P. (492) 117)

**TAK-044**

Positive inotropic effect; (Rabbit); Endothelin receptor; Endothelin receptor antagonist; FR139317 (Yomogida, S.-i. (492) 217)

**Thermal nociception**

mGlu<sub>5</sub>; MPEP; Serotonin; Dorsal raphe; Microdialysis (Palazzo, E. (492) 169)

**Toxicity**

Cocaine; Convulsion; Lethality; σ Receptor (Matsumoto, R.R. (492) 21)

**Tropicamide**

Prepulse inhibition; Scopolamine; AF-DX116; 4-DAMP; Pirenzepine; Muscarinic receptor; (Mouse) (Ukai, M. (492) 183)

**Uridine 5'-triphosphate**

Amlodipine; Proliferation; Epidermoid carcinoma A431 cell human; Intracellular Ca<sup>2+</sup>; A431 xenograft (Yoshida, J. (492) 103)

**Urinary bladder**

Nitric oxide; K<sub>ATP</sub>; c-GMP; PKG (Deka, D.K. (492) 13)

Solifenacin; Salivary gland; Bladder selectivity (Ohtake, A. (492) 243)

**Urotensin-II**

UT receptor; GPR14; SB-710411; Somatostatin (Behm, D.J. (492) 113)

**UT receptor**

Urotensin-II; GPR14; SB-710411; Somatostatin (Behm, D.J. (492) 113)

**Vesicular monoamine transporter**

Apomorphine; Eticlopride; Redistribution; Neurodegeneration (Truong, J.G. (492) 143)

**Vitamin B<sub>2</sub>**

I.v. infusion; Proinflammatory cytokine; Nitric oxide (Toyosawa, T. (492) 273)

**WIN 55,212-2**

Alcohol intake; Baclofen; Morphine; Sardinian alcohol-preferring (sP), rat (Colombo, G. (492) 189)

**YM598**

Antagonist; Endothelin ET<sub>A</sub> receptor; Nociception; Prostate cancer (Yuyama, H. (492) 177)

**Zinc**

BDNF; Cortex; Hippocampus (Nowak, G. (492) 57)