

## Keyword index

### Acetylsalicylic acid

Metalloproteinase; Adenocarcinoma (Karna, E. (443) 1)

### Acidosis, intracellular

Ventricle, human; Electrophysiology; Contractile force; Fluorescent; Oxygen free radical; Antioxidant; Cardioprotective agent (Loh, S.-H. (443) 169)

### Adenocarcinoma

Acetylsalicylic acid; Metalloproteinase (Karna, E. (443) 1)

### Adenosine derivative

Purine; cAMP; Phospholipase C; Guanine nucleotide (Gao, Z.-g. (443) 39)

### Adenylate cyclase

SR141716A; Inverse agonism; Cannabinoid system (Mato, S. (443) 43)

### $\alpha_1$ -Adrenoceptor

(+)-Boldine;  $\alpha_2$ -Adrenoceptor; Subtype; Selectivity; Functional experiment; Radioligand binding study;  $\text{Ca}^{2+}$  channel antagonism; Cardiac effect (Eltze, M. (443) 151)

### $\alpha_2$ -Adrenoceptor

(+)-Boldine;  $\alpha_1$ -Adrenoceptor; Subtype; Selectivity; Functional experiment; Radioligand binding study;  $\text{Ca}^{2+}$  channel antagonism; Cardiac effect (Eltze, M. (443) 151)

### AJW200

Von Willebrand factor (vWF); Platelet; Thrombosis; Bleeding time (Kageyama, S. (443) 143)

### Alcohol deprivation effect

Cannabinoid  $\text{CB}_1$  receptor antagonist, SR 141716; Sardinian alcohol-preferring (sP) rat (Serra, S. (443) 95)

### Angiotensin II

Smooth muscle cell, vascular; Cyclosporin A; c-Jun  $\text{NH}_2$ -terminal kinase (Saito, S. (443) 47)

### Antidepressant

5-HT<sub>1A</sub> receptor; 5-HT<sub>4</sub> receptor; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); Buspirone; Clozapine; Imipramine; Haloperidol (Zahorodna, A. (443) 51)

### Antidepressant drug, 5-HT<sub>1B</sub> autoreceptor

Microdialysis, intracerebral; Knock-out mouse; Fluoxetine; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective (Malagié, I. (443) 99)

### Antioxidant

Ventricle, human; Electrophysiology; Contractile force; Acidosis, intracellular; Fluorescent; Oxygen free radical; Cardioprotective agent (Loh, S.-H. (443) 169)

### Apomorphine

Dopamine; Oxidative stress; Parkinson's disease; Behavior; Memory (Picada, J.N. (443) 105)

### Apoptosis

$\sigma$  Receptor; Ceramide (Crawford, K.W. (443) 207)

### Arachidonic acid

Bronchus; Ovalbumin; Histamine; Leukotriene D<sub>4</sub>; Schultz–Dale reaction (Seow, C.-J. (443) 189)

### Basal ganglion

Dyskinesia; Movement disorder; Striatum (Hamann, M. (443) 59)

### Behavior

Apomorphine; Dopamine; Oxidative stress; Parkinson's disease; Memory (Picada, J.N. (443) 105)

### Behavioral sensitization

Nicotine; NMDA receptor; Nitric oxide (NO) (Shim, I. (443) 119)

### Binding

$\text{Ca}^{2+}$  channel; Nifedipine; Smooth muscle; Contraction; Vas deferens, rat (Verde, L.F. (443) 13)

### Bleeding time

Von Willebrand factor (vWF); Platelet; Thrombosis; AJW200 (Kageyama, S. (443) 143)

### (+)-Boldine

$\alpha_1$ -Adrenoceptor;  $\alpha_2$ -Adrenoceptor; Subtype; Selectivity; Functional experiment; Radioligand binding study;  $\text{Ca}^{2+}$  channel antagonism; Cardiac effect (Eltze, M. (443) 151)

### Bronchus

Ovalbumin; Histamine; Leukotriene D<sub>4</sub>; Schultz–Dale reaction; Arachidonic acid (Seow, C.-J. (443) 189)

### Buspirone

5-HT<sub>1A</sub> receptor; 5-HT<sub>4</sub> receptor; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); Antidepressant; Clozapine; Imipramine; Haloperidol (Zahorodna, A. (443) 51)

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

Lignan;  $\text{Ca}^{2+}$  store; Fura-2; MDCK cell; Thapsigargin (Chao, Y.-Y. (443) 31)

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

Nifedipine; Smooth muscle; Contraction; Binding; Vas deferens, rat (Verde, L.F. (443) 13)

### $\text{Ca}^{2+}$ channel antagonism

(+)-Boldine;  $\alpha_1$ -Adrenoceptor;  $\alpha_2$ -Adrenoceptor; Subtype; Selectivity; Functional experiment; Radioligand binding study; Cardiac effect (Eltze, M. (443) 151)

**Ca<sup>2+</sup> channel, voltage-sensitive**

Detrusor smooth muscle; G-protein; Muscarinic receptor; Purinergic receptor; Dihydropyridine (Kajioka, S. (443) 19)

**Ca<sup>2+</sup> store**

Lignan; Ca<sup>2+</sup>; Fura-2; MDCK cell; Thapsigargin (Chao, Y.-Y. (443) 31)

**cAMP**

Adenosine derivative; Purine; Phospholipase C; Guanine nucleotide (Gao, Z.-g. (443) 39)

**cAMP formation**

Nociceptin/orphanin FQ; [(pF)Phe<sup>4</sup>]N/OFQ-(1–13)NH<sub>2</sub>; GTP-γ<sup>35</sup>S binding; Recombinant, NOP receptor; NOP receptor antagonist (McDonald, J. (443) 7)

**Cannabinoid CB<sub>1</sub> receptor antagonist, SR 141716**

Alcohol deprivation effect; Sardinian alcohol-preferring (sP) rat (Serra, S. (443) 95)

**Cannabinoid system**

SR141716A; Inverse agonism; Adenylate cyclase (Mato, S. (443) 43)

**Capsaicin**

Insulin resistance; Nitroglycerin (Porszasz, R. (443) 211)

**Cardiac effect**

(+)-Boldine; α<sub>1</sub>-Adrenoceptor; α<sub>2</sub>-Adrenoceptor; Subtype; Selectivity; Functional experiment; Radioligand binding study; Ca<sup>2+</sup> channel antagonism (Eltze, M. (443) 151)

**Cardiomyopathic hamster**

Phosphodiesterase type 5; Heart failure; Survival (Inoue, H. (443) 179)

**Cardioprotective agent**

Ventricle, human; Electrophysiology; Contractile force; Acidosis, intracellular; Fluorescent; Oxygen free radical; Antioxidant (Loh, S.-H. (443) 169)

**Central nervous system**

Opioid receptor; Gastric acid secretion; Mitragynine (Tsuchiya, S. (443) 185)

**Ceramide**

σ Receptor; Apoptosis (Crawford, K.W. (443) 207)

**Chronic treatment**

Paroxetine; Reboxetine; Moclobemide; μ-Opioid receptor; δ-Opioid receptor (Vilpoux, C. (443) 85)

**Clozapine**

5-HT<sub>1A</sub> receptor; 5-HT<sub>4</sub> receptor; 8-OH-DPAT (8-hydroxy-2(di-*n*-propylamino)tetralin); Antidepressant; Buspirone; Imipramine; Haloperidol (Zahorodna, A. (443) 51)

**Conditioned place preference**

Nitric oxide (NO); D-Methamphetamine (Li, S.-M. (443) 205)

**Contractile force**

Ventricle, human; Electrophysiology; Acidosis, intracellular; Fluorescent; Oxygen free radical; Antioxidant; Cardioprotective agent (Loh, S.-H. (443) 169)

**Contraction**

Ca<sup>2+</sup> channel; Nifedipine; Smooth muscle; Binding; Vas deferens, rat (Verde, L.F. (443) 13)

**Coronary artery**

Donitriptan; Human pharmacology; Middle meningeal artery; Migraine; Sumatriptan (Van den Broek, R.W.M. (443) 125)

**Cortical slice**

Epileptiform activity; NMDA receptor antagonist, low-affinity; Mg<sup>2+</sup>, low (Naish, H.J. (443) 79)

**Cyclosporin A**

Angiotensin II; Smooth muscle cell, vascular; c-*Jun* NH<sub>2</sub>-terminal kinase (Saito, S. (443) 47)

**Depression**

Mecamylamine; Stimulant; Smoking (Young, R. (443) 113)

**Detrusor smooth muscle**

Ca<sup>2+</sup> channel, voltage-sensitive; G-protein; Muscarinic receptor; Purinergic receptor; Dihydropyridine (Kajioka, S. (443) 19)

**Dihydropyridine**

Ca<sup>2+</sup> channel, voltage-sensitive; Detrusor smooth muscle; G-protein; Muscarinic receptor; Purinergic receptor (Kajioka, S. (443) 19)

**2,4-dinitrobenzene sulfonic acid (DNBS)**

Ulcerative colitis; Zinc sulfate; Histamine; Mast cell; Terfenadine; Ranitidine; Ketotifen; Reactive oxygen metabolite; Neutrophil (Luk, H.H. (443) 197)

**Donitriptan**

Coronary artery; Human pharmacology; Middle meningeal artery; Migraine; Sumatriptan (Van den Broek, R.W.M. (443) 125)

**Dopamine**

Apomorphine; Oxidative stress; Parkinson's disease; Behavior; Memory (Picada, J.N. (443) 105)

**Dyskinesia**

Basal ganglion; Movement disorder; Striatum (Hamann, M. (443) 59)

**Electrophysiology**

Ventricle, human; Contractile force; Acidosis, intracellular; Fluorescent; Oxygen free radical; Antioxidant; Cardioprotective agent (Loh, S.-H. (443) 169)

**Epileptiform activity**

Cortical slice; NMDA receptor antagonist, low-affinity; Mg<sup>2+</sup>, low (Naish, H.J. (443) 79)

**Fluorescent**

Ventricle, human; Electrophysiology; Contractile force; Acidosis, intracellular; Oxygen free radical; Antioxidant; Cardioprotective agent (Loh, S.-H. (443) 169)

**Fluoxetine**

Antidepressant drug, 5-HT<sub>1B</sub> autoreceptor; Microdialysis, intracerebral; Knock-out mouse; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective (Malagić, I. (443) 99)

**[(pF)Phe<sup>4</sup>]N/OFQ-(1–13)NH<sub>2</sub>**

Nociceptin/orphanin FQ; GTP-γ<sup>35</sup>S binding; cAMP formation; Recombinant, NOP receptor; NOP receptor antagonist (McDonald, J. (443) 7)

**Functional experiment**

(+)-Boldine; α<sub>1</sub>-Adrenoceptor; α<sub>2</sub>-Adrenoceptor; Subtype; Selectivity; Radioligand binding study; Ca<sup>2+</sup> channel antagonism; Cardiac effect (Eltze, M. (443) 151)

**Fura-2**

Lignan;  $\text{Ca}^{2+}$ ;  $\text{Ca}^{2+}$  store; MDCK cell; Thapsigargin (Chao, Y.-Y. (443) 31)

**Gastric acid secretion**

Opioid receptor; Central nervous system; Mitrargyline (Tsuchiya, S. (443) 185)

**G-protein**

$\text{Ca}^{2+}$  channel, voltage-sensitive; Detrusor smooth muscle; Muscarinic receptor; Purinergic receptor; Dihydropyridine (Kajioka, S. (443) 19)

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

Nociceptin/orphanin FQ; [(*p*F)Phe<sup>4</sup>]N/OFQ-(1–13)NH<sub>2</sub>; cAMP formation; Recombinant, NOP receptor; NOP receptor antagonist (McDonald, J. (443) 7)

**Guanine nucleotide**

Adenosine derivative; Purine; cAMP; Phospholipase C (Gao, Z.-g. (443) 39)

**Haloperidol**

5-HT<sub>1A</sub> receptor; 5-HT<sub>4</sub> receptor; 8-OH-DPAT (8-hydroxy-2(di-*n*-propylamino)tetralin); Antidepressant; Buspirone; Clozapine; Imipramine (Zahorodna, A. (443) 51)

**Heart failure**

Phosphodiesterase type 5; Cardiomyopathic hamster; Survival (Inoue, H. (443) 179)

**Histamine**

Bronchus; Ovalbumin; Leukotriene D<sub>4</sub>; Schultz–Dale reaction; Arachidonic acid (Seow, C.-J. (443) 189)

2,4-dinitrobenzene sulfonic acid (DNBS); Ulcerative colitis; Zinc sulfate; Mast cell; Terfenadine; Ranitidine; Ketotifen; Reactive oxygen metabolite; Neutrophil (Luk, H.H. (443) 197)

**5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective**  
Antidepressant drug, 5-HT<sub>1B</sub> autoreceptor; Microdialysis, intracerebral; Knock-out mouse; Fluoxetine (Malagié, I. (443) 99)

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

5-HT<sub>4</sub> receptor; 8-OH-DPAT (8-hydroxy-2(di-*n*-propylamino)tetralin); Antidepressant; Buspirone; Clozapine; Imipramine; Haloperidol (Zahorodna, A. (443) 51)

**5-HT<sub>3</sub> receptor**

Paracetamol; Tropisetron; Spinal cord; Inflammation; (Rat) (Alloui, A. (443) 71)

**5-HT<sub>4</sub> receptor**

5-HT<sub>1A</sub> receptor; 8-OH-DPAT (8-hydroxy-2(di-*n*-propylamino)tetralin); Antidepressant; Buspirone; Clozapine; Imipramine; Haloperidol (Zahorodna, A. (443) 51)

**Human pharmacology**

Coronary artery; Donitriptan; Middle meningeal artery; Migraine; Sumatriptan (Van den Broek, R.W.M. (443) 125)

**Imipramine**

5-HT<sub>1A</sub> receptor; 5-HT<sub>4</sub> receptor; 8-OH-DPAT (8-hydroxy-2(di-*n*-propylamino)tetralin); Antidepressant; Buspirone; Clozapine; Haloperidol (Zahorodna, A. (443) 51)

**Inflammation**

Paracetamol; Tropisetron; 5-HT<sub>3</sub> receptor; Spinal cord; (Rat) (Alloui, A. (443) 71)

**Insulin resistance**

Capsaicin; Nitroglycerin (Porszasz, R. (443) 211)

**Inverse agonism**

SR141716A; Cannabinoid system; Adenylate cyclase (Mato, S. (443) 43)

**c-Jun NH<sub>2</sub>-terminal kinase**

Angiotensin II; Smooth muscle cell, vascular; Cyclosporin A (Saito, S. (443) 47)

**Ketotifen**

2,4-dinitrobenzene sulfonic acid (DNBS); Ulcerative colitis; Zinc sulfate; Histamine; Mast cell; Terfenadine; Ranitidine; Reactive oxygen metabolite; Neutrophil (Luk, H.H. (443) 197)

**Knock-out mouse**

Antidepressant drug, 5-HT<sub>1B</sub> autoreceptor; Microdialysis, intracerebral; Fluoxetine; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective (Malagié, I. (443) 99)

**Leukotriene D<sub>4</sub>**

Bronchus; Ovalbumin; Histamine; Schultz–Dale reaction; Arachidonic acid (Seow, C.-J. (443) 189)

**Lignan**

$\text{Ca}^{2+}$ ;  $\text{Ca}^{2+}$  store; Fura-2; MDCK cell; Thapsigargin (Chao, Y.-Y. (443) 31)

**Mast cell**

2,4-dinitrobenzene sulfonic acid (DNBS); Ulcerative colitis; Zinc sulfate; Histamine; Terfenadine; Ranitidine; Ketotifen; Reactive oxygen metabolite; Neutrophil (Luk, H.H. (443) 197)

**MDCK cell**

Lignan;  $\text{Ca}^{2+}$ ;  $\text{Ca}^{2+}$  store; Fura-2; Thapsigargin (Chao, Y.-Y. (443) 31)

**Mecamylamine**

Stimulant; Smoking; Depression (Young, R. (443) 113)

**Memory**

Apomorphine; Dopamine; Oxidative stress; Parkinson's disease; Behavior (Picada, J.N. (443) 105)

**Metalloproteinase**

Acetylsalicylic acid; Adenocarcinoma (Karna, E. (443) 1)

**D-Methamphetamine**

Nitric oxide (NO); Conditioned place preference (Li, S.-M. (443) 205)

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

Cortical slice; Epileptiform activity; NMDA receptor antagonist, low-affinity (Naish, H.J. (443) 79)

**Microdialysis, intracerebral**

Antidepressant drug, 5-HT<sub>1B</sub> autoreceptor; Knock-out mouse; Fluoxetine; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective (Malagié, I. (443) 99)

**Middle meningeal artery**

Coronary artery; Donitriptan; Human pharmacology; Migraine; Sumatriptan (Van den Broek, R.W.M. (443) 125)

**Migraine**

Coronary artery; Donitriptan; Human pharmacology; Middle meningeal artery; Sumatriptan (Van den Broek, R.W.M. (443) 125)

**Mitragynine**

Opioid receptor; Central nervous system; Gastric acid secretion (Tsuchiya, S. (443) 185)

**Moclobemide**

Paroxetine; Reboxetine;  $\mu$ -Opioid receptor;  $\delta$ -Opioid receptor; Chronic treatment (Vilpoux, C. (443) 85)

**Movement disorder**

Basal ganglion; Dyskinesia; Striatum (Hamann, M. (443) 59)

**Muscarinic receptor**

$\text{Ca}^{2+}$  channel, voltage-sensitive; Detrusor smooth muscle; G-protein; Purinergic receptor; Dihydropyridine (Kajioka, S. (443) 19)

**Neutrophil**

2,4-dinitrobenzene sulfonic acid (DNBS); Ulcerative colitis; Zinc sulfate; Histamine; Mast cell; Terfenadine; Ranitidine; Ketotifen; Reactive oxygen metabolite (Luk, H.H. (443) 197)

**Nicotine**

Behavioral sensitization; NMDA receptor; Nitric oxide (NO) (Shim, I. (443) 119)

**Nifedipine**

$\text{Ca}^{2+}$  channel; Smooth muscle; Contraction; Binding; Vas deferens, rat (Verde, L.F. (443) 13)

**Nitric oxide (NO)**

Behavioral sensitization; Nicotine; NMDA receptor (Shim, I. (443) 119)

D-Methamphetamine; Conditioned place preference (Li, S.-M. (443) 205)

**Nitroglycerin**

Capsaicin; Insulin resistance (Porszasz, R. (443) 211)

**NMDA receptor**

Behavioral sensitization; Nicotine; Nitric oxide (NO) (Shim, I. (443) 119)

**NMDA receptor antagonist, low-affinity**

Cortical slice; Epileptiform activity;  $\text{Mg}^{2+}$ , low (Naish, H.J. (443) 79)

**Nociceptin/orphanin FQ**

$[(p\text{F})\text{Phe}^4]\text{N}/\text{OFQ-(1-13)}\text{NH}_2$ ;  $\text{GTP}\gamma^{35}\text{S}$  binding; cAMP formation; Recombinant, NOP receptor; NOP receptor antagonist (McDonald, J. (443) 7)

**NOP receptor antagonist**

Nociceptin/orphanin FQ;  $[(p\text{F})\text{Phe}^4]\text{N}/\text{OFQ-(1-13)}\text{NH}_2$ ;  $\text{GTP}\gamma^{35}\text{S}$  binding; cAMP formation; Recombinant, NOP receptor (McDonald, J. (443) 7)

**8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin)**

5-HT<sub>1A</sub> receptor; 5-HT<sub>4</sub> receptor; Antidepressant; Buspirone; Clozapine; Imipramine; Haloperidol (Zahorodna, A. (443) 51)

**Opioid receptor**

Central nervous system; Gastric acid secretion; Mitragynine (Tsuchiya, S. (443) 185)

 **$\delta$ -Opioid receptor**

Paroxetine; Reboxetine; Moclobemide;  $\mu$ -Opioid receptor; Chronic treatment (Vilpoux, C. (443) 85)

 **$\mu$ -Opioid receptor**

Paroxetine; Reboxetine; Moclobemide;  $\delta$ -Opioid receptor; Chronic treatment (Vilpoux, C. (443) 85)

**Ovalbumin**

Bronchus; Histamine; Leukotriene D<sub>4</sub>; Schultz–Dale reaction; Arachidonic acid (Seow, C.-J. (443) 189)

**Oxidative stress**

Apomorphine; Dopamine; Parkinson's disease; Behavior; Memory (Picada, J.N. (443) 105)

**Oxygen free radical**

Ventricle, human; Electrophysiology; Contractile force; Acidosis, intracellular; Fluorescent; Antioxidant; Cardioprotective agent (Loh, S.-H. (443) 169)

**Paracetamol**

Tropisetron; 5-HT<sub>3</sub> receptor; Spinal cord; Inflammation; (Rat) (Alloui, A. (443) 71)

**Parkinson's disease**

Apomorphine; Dopamine; Oxidative stress; Behavior; Memory (Picada, J.N. (443) 105)

**Paroxetine**

Reboxetine; Moclobemide;  $\mu$ -Opioid receptor;  $\delta$ -Opioid receptor; Chronic treatment (Vilpoux, C. (443) 85)

**Phosphodiesterase type 5**

Heart failure; Cardiomyopathic hamster; Survival (Inoue, H. (443) 179)

**Phospholipase C**

Adenosine derivative; Purine; cAMP; Guanine nucleotide (Gao, Z.-g. (443) 39)

**Picotamide**

Thromboxane A<sub>2</sub>; Prostacyclin; Platelet; Vascular tissue; (Rabbit) (Buccellati, C. (443) 133)

**Platelet**

Thromboxane A<sub>2</sub>; Prostacyclin; Vascular tissue; Picotamide; (Rabbit) (Buccellati, C. (443) 133)

Von Willebrand factor (vWF); Thrombosis; Bleeding time; AJW200 (Kageyama, S. (443) 143)

**Prostacyclin**

Thromboxane A<sub>2</sub>; Platelet; Vascular tissue; Picotamide; (Rabbit) (Buccellati, C. (443) 133)

**Purine**

Adenosine derivative; cAMP; Phospholipase C; Guanine nucleotide (Gao, Z.-g. (443) 39)

**Purinergic receptor**

$\text{Ca}^{2+}$  channel, voltage-sensitive; Detrusor smooth muscle; G-protein; Muscarinic receptor; Dihydropyridine (Kajioka, S. (443) 19)

**Radioligand binding study**

(+)-Boldine;  $\alpha_1$ -Adrenoceptor;  $\alpha_2$ -Adrenoceptor; Subtype; Selectivity; Functional experiment;  $\text{Ca}^{2+}$  channel antagonism; Cardiac effect (Eltze, M. (443) 151)

**Ranitidine**

2,4-dinitrobenzene sulfonic acid (DNBS); Ulcerative colitis; Zinc sulfate; Histamine; Mast cell; Terfenadine; Ketotifen; Reactive oxygen metabolite; Neutrophil (Luk, H.H. (443) 197)

**Reactive oxygen metabolite**

2,4-dinitrobenzene sulfonic acid (DNBS); Ulcerative colitis; Zinc sulfate; Histamine; Mast cell; Terfenadine; Ranitidine; Ketotifen; Neutrophil (Luk, H.H. (443) 197)

**Reboxetine**

Paroxetine; Moclobemide;  $\mu$ -Opioid receptor;  $\delta$ -Opioid receptor; Chronic treatment (Vilpoux, C. (443) 85)

 **$\sigma$  Receptor**

Ceramide; Apoptosis (Crawford, K.W. (443) 207)

**Recombinant, NOP receptor**

Nociceptin/orphanin FQ:  $[(pF)Phe^4]N/OFQ-(1-13)NH_2$ ; GTP $\gamma^{35}S$  binding; cAMP formation; NOP receptor antagonist (McDonald, J. (443) 7)

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

Cannabinoid CB<sub>1</sub> receptor antagonist, SR 141716; Alcohol deprivation effect (Serra, S. (443) 95)

**Schultz–Dale reaction**

Bronchus; Ovalbumin; Histamine; Leukotriene D<sub>4</sub>; Arachidonic acid (Seow, C.-J. (443) 189)

**Selectivity**

(+)-Boldine;  $\alpha_1$ -Adrenoceptor;  $\alpha_2$ -Adrenoceptor; Subtype; Functional experiment; Radioligand binding study; Ca<sup>2+</sup> channel antagonism; Cardiac effect (Eltze, M. (443) 151)

**Smoking**

Mecamylamine; Stimulant; Depression (Young, R. (443) 113)

**Smooth muscle**

Ca<sup>2+</sup> channel; Nifedipine; Contraction; Binding; Vas deferens, rat (Verde, L.F. (443) 13)

**Smooth muscle cell, vascular**

Angiotensin II; Cyclosporin A; c-Jun NH<sub>2</sub>-terminal kinase (Saito, S. (443) 47)

**Spinal cord**

Paracetamol; Tropisetron; 5-HT<sub>3</sub> receptor; Inflammation; (Rat) (Alloui, A. (443) 71)

**SR141716A**

Inverse agonism; Cannabinoid system; Adenylate cyclase (Mato, S. (443) 43)

**Stimulant**

Mecamylamine; Smoking; Depression (Young, R. (443) 113)

**Striatum**

Basal ganglion; Dyskinesia; Movement disorder (Hamann, M. (443) 59)

**Subtype**

(+)-Boldine;  $\alpha_1$ -Adrenoceptor;  $\alpha_2$ -Adrenoceptor; Selectivity; Functional experiment; Radioligand binding study; Ca<sup>2+</sup> channel antagonism; Cardiac effect (Eltze, M. (443) 151)

**Sumatriptan**

Coronary artery; Donitriptan; Human pharmacology; Middle meningeal artery; Migraine (Van den Broek, R.W.M. (443) 125)

**Survival**

Phosphodiesterase type 5; Heart failure; Cardiomyopathic hamster (Inoue, H. (443) 179)

**Terfenadine**

2,4-dinitrobenzene sulfonic acid (DNBS); Ulcerative colitis; Zinc sulfate; Histamine; Mast cell; Ranitidine; Ketotifen; Reactive oxygen metabolite; Neutrophil (Luk, H.H. (443) 197)

**Thapsigargin**

Lignan; Ca<sup>2+</sup>; Ca<sup>2+</sup> store; Fura-2; MDCK cell (Chao, Y.-Y. (443) 31)

**Thrombosis**

Von Willebrand factor (vWF); Platelet; Bleeding time; AJW200 (Kageyama, S. (443) 143)

**Thromboxane A<sub>2</sub>**

Prostacyclin; Platelet; Vascular tissue; Picotamide; (Rabbit) (Buccellati, C. (443) 133)

**Tropisetron**

Paracetamol; 5-HT<sub>3</sub> receptor; Spinal cord; Inflammation; (Rat) (Alloui, A. (443) 71)

**Ulcerative colitis**

2,4-dinitrobenzene sulfonic acid (DNBS); Zinc sulfate; Histamine; Mast cell; Terfenadine; Ranitidine; Ketotifen; Reactive oxygen metabolite; Neutrophil (Luk, H.H. (443) 197)

**Vascular tissue**

Thromboxane A<sub>2</sub>; Prostacyclin; Platelet; Picotamide; (Rabbit) (Buccellati, C. (443) 133)

**Vas deferens, rat**

Ca<sup>2+</sup> channel; Nifedipine; Smooth muscle; Contraction; Binding (Verde, L.F. (443) 13)

**Ventricle, human**

Electrophysiology; Contractile force; Acidosis, intracellular; Fluorescent; Oxygen free radical; Antioxidant; Cardioprotective agent (Loh, S.-H. (443) 169)

**Von Willebrand factor (vWF)**

Platelet; Thrombosis; Bleeding time; AJW200 (Kageyama, S. (443) 143)

**Zinc sulfate**

2,4-dinitrobenzene sulfonic acid (DNBS); Ulcerative colitis; Histamine; Mast cell; Terfenadine; Ranitidine; Ketotifen; Reactive oxygen metabolite; Neutrophil (Luk, H.H. (443) 197)