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Acetaldehyde

Ethanol; Hepatocyte; MAPK (mitogen-activated protein kinase); Angiotensin II (Weng, Y.-I. (398) 323)

Acetylcholinesterase

(–)-Huperzine A; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Learning; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

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[³H]Adenosine; Mitochondrion; Testis, rat; Benzodiazepine receptor ligand, mitochondrial (Jiménez, A. (398) 31)

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Phospholipase C; Histamine; Chromaffin cell; Ca²⁺; Inositol phospholipid (Roberts-Thomson, E.L. (398) 199)

α₂-Adrenoceptor

Agonist, Inverse; G protein-coupled receptor; RX821002; MK-912; GTP; Rauwolscine (Murrin, L.C. (398) 185)

β-Adrenoceptor

β-Adrenoceptor, atypical; Endothelium; Nitric oxide (NO); Guanylyl cyclase; Smooth muscle, vascular (Brawley, L. (398) 285)

β-Adrenoceptor, atypical

β-Adrenoceptor; Endothelium; Nitric oxide (NO); Guanylyl cyclase; Smooth muscle, vascular (Brawley, L. (398) 285)

Aging

Vanadyl sulfate; Insulin action; Insulin release; Islet, isolated (De Tata, V. (398) 169)

Agonist, Inverse

α₂-Adrenoceptor; G protein-coupled receptor; RX821002; MK-912; GTP; Rauwolscine (Murrin, L.C. (398) 185)

AH-1058

Ca²⁺ channel blocker; Ventricular arrhythmia (Takahara, A. (398) 107)

Alzheimer's disease

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Learning; Memory; Free radical (Wang, L.M. (398) 65)

3-Aminobenzamide

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Gabapentin; Substantia nigra reticulata; Microdialysis (Timmerman, W. (398) 53)

p-Aminohippurate

OAT1 (organic anion transporter 1); Renal tubular secretion; *Xenopus* oocytes; Sulfonyleurea; Nateglinide (Uwai, Y. (398) 193)

Amphetamine

Neurotoxicity; Cytochrome oxidase; Histochemistry; Energy metabolism (Burrows, K.B. (398) 11)

Δ9-Tetrahydrocannabinol; (*R*)-Methanandamide; Anandamide; SR 141716; Operant behavior; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Anandamide

Δ9-Tetrahydrocannabinol; (*R*)-Methanandamide; SR 141716; Amphetamine; Operant behavior; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Angiogenesis

Endothelial cell; Ca²⁺ influx; Proliferation (Kawasaki, J. (398) 19)

Angiotensin-converting enzyme inhibitor

Diabetes; Nephropathy; Urinary albumin excretion; Immunohistochemistry (Katoh, M. (398) 381)

Angiotensin II

Cyclosporine A; Na⁺; Enalapril; Valsartan; Vascular response (Lassila, M. (398) 99)

Ethanol; Acetaldehyde; Hepatocyte; MAPK (mitogen-activated protein kinase) (Weng, Y.-I. (398) 323)

Antagonism, insurmountable

Vas deferens, rat; Bradykinin; Bradykinin receptor; Hoe 140 (Asghar, A.U.R. (398) 131)

Antiarrhythmic

Class I; Myocardial ischaemia; Arrhythmia; Proarrhythmia (Barrett, T.D. (398) 365)

Anti-inflammatory effect

Cynaropicrin; TNF-α (tumor necrosis factor-α); Nitric oxide (NO) release; Lymphocyte proliferation; Immunosuppressive effect (Cho, J.Y. (398) 399)

Antioxidant

Streptozotocin-induced diabetic mouse; Corpus cavernosum; Nitric oxide (NO); Vitamin E; Sodium selenate; Oxidative stress (Göçmen, C. (398) 93)

Diabetic retinopathy; Glutathione; Lipid peroxidation; Superoxide dismutase (Obrosova, I.G. (398) 139)

Arrhythmia

$I_{K,ATP}$; Glibenclamide; HMR1883; Sulfonylurea; Cardiac ischemia; Dispersion; Sulfonylurea (Dhein, S. (398) 273)

Antiarrhythmic; Class I; Myocardial ischaemia; Proarrhythmia (Barrett, T.D. (398) 365)

Ascorbic acid

Clozapine; Haloperidol; Ritanserine; Ethanol; Microdialysis; (Rat) (Liu, W. (398) 333)

Ataxia, cerebellar

5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole-3-acetic acid); 5-Hydroxytryptophol; Dopamine; Noradrenaline (Reader, T.A. (398) 41)

Benzodiazepine receptor ligand, mitochondrial

[3H]Adenosine; Adenosine uptake; Mitochondrion; Testis, rat (Jiménez, A. (398) 31)

Bradykinin

Vas deferens, rat; Bradykinin receptor; Hoe 140; Antagonism, insurmountable (Asghar, A.U.R. (398) 131)

Bradykinin receptor

Vas deferens, rat; Bradykinin; Hoe 140; Antagonism, insurmountable (Asghar, A.U.R. (398) 131)

Brain phospholipase A_2

Catecholamines, plasma; Sympatho-adrenomedullary outflow, central; Melittin; Mepacrine (Yokotani, K. (398) 341)

Branched chain amino acid

Encephalomyocarditis virus; Glucose intolerance; Insulinitis (Utsugi, T. (398) 409)

 Ca^{2+}

Phospholipase C; Histamine; Chromaffin cell; Inositol phospholipid; Adrenal medulla (Roberts-Thomson, E.L. (398) 199)

 Ca^{2+} channel

Hippocampal neuron; Veratridine; Swelling; Death; Na^+ channel (Okuyama, K. (398) 209)

 Ca^{2+} channel blocker

AH-1058; Ventricular arrhythmia (Takahara, A. (398) 107)

 Ca^{2+} influx

Endothelial cell; Angiogenesis; Proliferation (Kawasaki, J. (398) 19)

Cardiac hypertrophy

Nandrolone decanoate; Deca durabolin; Cocaine; Radiotelemetry; ECG (electrocardiogram); Noradrenaline (Phillis, B.D. (398) 263)

Cardiac ischemia

$I_{K,ATP}$; Glibenclamide; HMR1883; Sulfonylurea; Dispersion; Arrhythmia; Sulfonylurea (Dhein, S. (398) 273)

Carnitine palmitoyltransferase

Etomoxir; SDZ CPI 975; Hypertrophy (Yotsumoto, T. (398) 297)

Carotid artery blood flow

Eletriptan; Sumatriptan; Femoral artery blood flow; Neurogenic inflammation; Coronary artery diameter (Gupta, P. (398) 73)

Catecholamines, plasma

Brain phospholipase A_2 ; Sympatho-adrenomedullary outflow, central; Melittin; Mepacrine (Yokotani, K. (398) 341)

Cerebral blood flow, local

Cerebral ischemia; Middle cerebral artery occlusion (Takamatsu, H. (398) 375)

Cerebral ischemia

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Morris water maze; Learning; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

Middle cerebral artery occlusion; Cerebral blood flow, local (Takamatsu, H. (398) 375)

Cerebral vasospasm

Protein kinase C isoform; Subarachnoid hemorrhage (Nishizawa, S. (398) 113)

Cholinesterase inhibitor

(–)-Huperzine A; Acetylcholinesterase; Cerebral ischemia; Morris water maze; Learning; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

Chromaffin cell

Phospholipase C; Histamine; Ca^{2+} ; Inositol phospholipid; Adrenal medulla (Roberts-Thomson, E.L. (398) 199)

Class I

Antiarrhythmic; Myocardial ischaemia; Arrhythmia; Proarrhythmia (Barrett, T.D. (398) 365)

Clozapine

Dizocilpine ((+)-MK-801); NMDA receptor antagonist; Neurotoxicity; Retrosplenial cortex; Olanzapine; Immediate early gene (Fujimura, M. (398) 1)

Haloperidol; Ritanserine; Ascorbic acid; Ethanol; Microdialysis; (Rat) (Liu, W. (398) 333)

Clozapine, intravenous

Acute tolerance; Clozapine, oral; Pharmacodynamics; Pharmacokinetics; Pharmacokinetic–pharmacodynamic modeling; Potency, relative (Sun, L. (398) 225)

Clozapine, oral

Acute tolerance; Clozapine, intravenous; Pharmacodynamics; Pharmacokinetics; Pharmacokinetic–pharmacodynamic modeling; Potency, relative (Sun, L. (398) 225)

Cocaine

Ibogaïne; Sensitization; Dopamine; Stereotypy; Drug addiction (Szumlin-ski, K.K. (398) 259)

Nandrolone decanoate; Deca durabolin; Radiotelemetry; Cardiac hypertrophy; ECG (electrocardiogram); Noradrenaline (Phillis, B.D. (398) 263)

Coronary artery diameter

Eletriptan; Sumatriptan; Carotid artery blood flow; Femoral artery blood flow; Neurogenic inflammation (Gupta, P. (398) 73)

Coronary flow

Diltiazem; Heart, isolated, rat; Ischemia; Microsphere; Reperfusion (Katsumata, N. (398) 83)

Corpus cavernosum

Streptozotocin-induced diabetic mouse; Nitric oxide (NO); Antioxidant; Vitamin E; Sodium selenate; Oxidative stress (Göçmen, C. (398) 93)

Cross-tolerance

$\Delta 9$ -Tetrahydrocannabinol; (R)-Methanandamide; Anandamide; SR 141716; Amphetamine; Operant behavior; Tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Cyclosporine A

Na⁺; Enalapril; Valsartan; Angiotensin II; Vascular response (Lassila, M. (398) 99)

Cynaropicrin

Anti-inflammatory effect; TNF- α (tumor necrosis factor- α); Nitric oxide (NO) release; Lymphocyte proliferation; Immunosuppressive effect (Cho, J.Y. (398) 399)

Cytochrome oxidase

Neurotoxicity; Amphetamine; Histochemistry; Energy metabolism (Burrrows, K.B. (398) 11)

Death

Hippocampal neuron; Veratridine; Swelling; Na⁺ channel; Ca²⁺ channel (Okuyama, K. (398) 209)

Deca durabolin

Nandrolone decanoate; Cocaine; Radiotelemetry; Cardiac hypertrophy; ECG (electrocardiogram); Noradrenaline (Phillis, B.D. (398) 263)

Dependence

Respiration; Opioid; Tolerance; (Rhesus monkey) (Kishioka, S. (398) 121)

$\Delta 9$ -Tetrahydrocannabinol; (R)-Methanandamide; Anandamide; SR 141716; Amphetamine; Operant behavior; Tolerance; Cross-tolerance; (Rat) (Lamb, R.J. (398) 251)

Dexamethasone

Substance P; TNF- α (tumor necrosis factor- α); Histamine; MAP (mitogen-activated protein) kinase; Skin (Okabe, T. (398) 309)

Diabetes

Angiotensin-converting enzyme inhibitor; Nephropathy; Urinary albumin excretion; Immunohistochemistry (Katoh, M. (398) 381)

Diabetic retinopathy

Antioxidant; Glutathione; Lipid peroxidation; Superoxide dismutase (Obrosova, I.G. (398) 139)

Diltiazem

Coronary flow; Heart, isolated, rat; Ischemia; Microsphere; Reperfusion (Katsumata, N. (398) 83)

Dispersion

I_{K,ATP}; Glibenclamide; HMR1883; Sulfonylurea; Cardiac ischemia; Arrhythmia; Sulfonylurea (Dhein, S. (398) 273)

Dizocilpine ((+)-MK-801)

NMDA receptor antagonist; Neurotoxicity; Retrosplenial cortex; Clozapine; Olanzapine; Immediate early gene (Fujimura, M. (398) 1)

DOPAC (3,4-dihydroxyphenylacetic acid)

Ensaculin; Dopamine; Glutamate; Microdialysis; Rat (Teismann, P. (398) 247)

Dopamine

5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole-3-acetic acid); 5-Hydroxytryptophol; Noradrenaline; Ataxia, cerebellar (Reader, T.A. (398) 41)

Ensaculin; DOPAC (3,4-dihydroxyphenylacetic acid); Glutamate; Microdialysis; Rat (Teismann, P. (398) 247)

Ibogaïne; Cocaine; Sensitization; Stereotypy; Drug addiction (Szumlinski, K.K. (398) 259)

Drug addiction

Ibogaïne; Cocaine; Sensitization; Dopamine; Stereotypy (Szumlinski, K.K. (398) 259)

 $\Delta 9$ -Tetrahydrocannabinol

(R)-Methanandamide; Anandamide; SR 141716; Amphetamine; Operant behavior; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

ECG (electrocardiogram)

Nandrolone decanoate; Deca durabolin; Cocaine; Radiotelemetry; Cardiac hypertrophy; Noradrenaline (Phillis, B.D. (398) 263)

EGF (epidermal growth factor)

Pancreatitis; Pancreatic regeneration; Interleukin 1 β (Dembinski, A. (398) 159)

Eletriptan

Sumatriptan; Carotid artery blood flow; Femoral artery blood flow; Neurogenic inflammation; Coronary artery diameter (Gupta, P. (398) 73)

Enalapril

Cyclosporine A; Na⁺; Valsartan; Angiotensin II; Vascular response (Lassila, M. (398) 99)

Encephalomyocarditis virus

Glucose intolerance; Branched chain amino acid; Insulinitis (Utsugi, T. (398) 409)

Endothelial cell

Angiogenesis; Ca²⁺ influx; Proliferation (Kawasaki, J. (398) 19)

Endothelium

β -Adrenoceptor; β -Adrenoceptor, atypical; Nitric oxide (NO); Guanylyl cyclase; Smooth muscle, vascular (Brawley, L. (398) 285)

Energy metabolism

Neurotoxicity; Cytochrome oxidase; Amphetamine; Histochemistry (Burrrows, K.B. (398) 11)

Ensaculin

Dopamine; DOPAC (3,4-dihydroxyphenylacetic acid); Glutamate; Microdialysis; Rat (Teismann, P. (398) 247)

Ethanol

Acetaldehyde; Hepatocyte; MAPK (mitogen-activated protein kinase); Angiotensin II (Weng, Y.-I. (398) 323)

Clozapine; Haloperidol; Ritanerlin; Ascorbic acid; Microdialysis; (Rat) (Liu, W. (398) 333)

Etomoxir

Carnitine palmitoyltransferase; SDZ CPI 975; Hypertrophy (Yotsumoto, T. (398) 297)

Feeding

α -MSH (α -melanocyte stimulating hormone); Neuropeptide Y; (Chick) (Kawakami, S.-i. (398) 361)

Femoral artery blood flow

Eletriptan; Sumatriptan; Carotid artery blood flow; Neurogenic inflammation; Coronary artery diameter (Gupta, P. (398) 73)

Free radical

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Learning; Memory; Alzheimer's disease (Wang, L.M. (398) 65)

Gabapentin

Substantia nigra reticulata; γ -Aminobutyric acid; Microdialysis (Timmerman, W. (398) 53)

Gastric blood flow

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ranitidine; Ulcer healing; Interleukin-1 β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Gastric secretion

Ischemia–reperfusion; Omeprazole; Ranitidine; Ulcer healing; Gastric blood flow; Interleukin-1 β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Gastrin

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ranitidine; Ulcer healing; Gastric blood flow; Interleukin-1 β ; Somatostatin (Brzozowski, T. (398) 147)

Glibenclamide

$I_{K,ATP}$; HMR1883; Sulfonyleurea; Cardiac ischemia; Dispersion; Arrhythmia; Sulfonyleurea (Dhein, S. (398) 273)

Glioma

Poly(ADP–ribose) polymerase; Nitrosoureas; 3-Aminobenzamide (Winter, S. (398) 177)

Glucose intolerance

Encephalomyocarditis virus; Branched chain amino acid; Insulinitis (Utsugi, T. (398) 409)

Glutamate

Ensalculin; Dopamine; DOPAC (3,4-dihydroxyphenylacetic acid); Microdialysis; Rat (Teismann, P. (398) 247)

Glutathione

Antioxidant; Diabetic retinopathy; Lipid peroxidation; Superoxide dismutase (Obrosova, I.G. (398) 139)

G protein-coupled receptor

α_2 -Adrenoceptor; Agonist, Inverse; RX821002; MK-912; GTP; Rauwolscline (Murrin, L.C. (398) 185)

GTP

α_2 -Adrenoceptor; Agonist, Inverse; G protein-coupled receptor; RX821002; MK-912; Rauwolscline (Murrin, L.C. (398) 185)

Guanylyl cyclase

β -Adrenoceptor; β -Adrenoceptor, atypical; Endothelium; Nitric oxide (NO); Smooth muscle, vascular (Brawley, L. (398) 285)

[³H]Adenosine

Adenosine uptake; Mitochondrion; Testis, rat; Benzodiazepine receptor ligand, mitochondrial (Jiménez, A. (398) 31)

Haloperidol

Clozapine; Ritanerlin; Ascorbic acid; Ethanol; Microdialysis; (Rat) (Liu, W. (398) 333)

Heart, isolated, rat

Diltiazem; Coronary flow; Ischemia; Microsphere; Reperfusion (Katsumata, N. (398) 83)

Hepatocyte

Ethanol; Acetaldehyde; MAPK (mitogen-activated protein kinase); Angiotensin II (Weng, Y.-I. (398) 323)

5-HIAA (5-hydroxyindole-3-acetic acid)

5-HT (5-hydroxytryptamine, serotonin); 5-Hydroxytryptophol; Dopamine; Noradrenaline; Ataxia, cerebellar (Reader, T.A. (398) 41)

Hippocampal neuron

Veratridine; Swelling; Death; Na⁺ channel; Ca²⁺ channel (Okuyama, K. (398) 209)

Hippocampus

5-HT (5-hydroxytryptamine, serotonin); Kindling; Seizure (Watanabe, K.-i. (398) 239)

NMDA (*N*-methyl-D-aspartate); Quinolinic acid; Kynurenine; Long-term potentiation; NMDA receptor subunit (Youssef, F. (398) 349)

Histamine

Phospholipase C; Chromaffin cell; Ca²⁺; Inositol phospholipid; Adrenal medulla (Roberts-Thomson, E.L. (398) 199)

Substance P; TNF- α (tumor necrosis factor- α); Dexamethasone; MAP (mitogen-activated protein) kinase; Skin (Okabe, T. (398) 309)

Histochemistry

Neurotoxicity; Cytochrome oxidase; Amphetamine; Energy metabolism (Burrows, K.B. (398) 11)

HMR1883

$I_{K,ATP}$; Glibenclamide; Sulfonyleurea; Cardiac ischemia; Dispersion; Arrhythmia; Sulfonyleurea (Dhein, S. (398) 273)

Hoe 140

Vas deferens, rat; Bradykinin; Bradykinin receptor; Antagonism, insurmountable (Asghar, A.U.R. (398) 131)

5-HT (5-hydroxytryptamine, serotonin)

5-HIAA (5-hydroxyindole-3-acetic acid); 5-Hydroxytryptophol; Dopamine; Noradrenaline; Ataxia, cerebellar (Reader, T.A. (398) 41)

Kindling; Hippocampus; Seizure (Watanabe, K.-i. (398) 239)

5-HT_{2C} receptor

Parkinson's disease; 6-Hydroxydopamine-lesioned rat; SKF 82958 (Fox, S.H. (398) 59)

(–)-Huperzine A

Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Learning; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

6-Hydroxydopamine-lesioned rat

Parkinson's disease; 5-HT_{2C} receptor; SKF 82958 (Fox, S.H. (398) 59)

5-Hydroxytryptophol

5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole-3-acetic acid); Dopamine; Noradrenaline; Ataxia, cerebellar (Reader, T.A. (398) 41)

Hyperosmolarity

Prostaglandin; Nitric oxide (NO); Vasoactive intestinal peptide (VIP); Tracheal perfusion; (Guinea-pig) (Hjoberg, J. (398) 303)

Hypertrophy

Carnitine palmitoyltransferase; Etomoxir; SDZ CPI 975 (Yotsumoto, T. (398) 297)

I_{K,ATP}

Glibenclamide; HMR1883; Sulfonylurea; Cardiac ischemia; Dispersion; Arrhythmia; Sulfonylurea (Dhein, S. (398) 273)

Ibogaine

Cocaine; Sensitization; Dopamine; Stereotypy; Drug addiction (Szumlin-ski, K.K. (398) 259)

Immediate early gene

Dizocilpine ((+)-MK-801); NMDA receptor antagonist; Neurotoxicity; Retrosplenial cortex; Clozapine; Olanzapine (Fujimura, M. (398) 1)

Immunohistochemistry

Angiotensin-converting enzyme inhibitor; Diabetes; Nephropathy; Urinary albumin excretion (Katoh, M. (398) 381)

Immunosuppressive effect

Cynaropicrin; Anti-inflammatory effect; TNF- α (tumor necrosis factor- α); Nitric oxide (NO) release; Lymphocyte proliferation (Cho, J.Y. (398) 399)

Inositol phospholipid

Phospholipase C; Histamine; Chromaffin cell; Ca²⁺; Adrenal medulla (Roberts-Thomson, E.L. (398) 199)

Insulin action

Aging; Vanadyl sulfate; Insulin release; Islet, isolated (De Tata, V. (398) 169)

Insulin release

Aging; Vanadyl sulfate; Insulin action; Islet, isolated (De Tata, V. (398) 169)

Insulinitis

Encephalomyocarditis virus; Glucose intolerance; Branched chain amino acid (Utsugi, T. (398) 409)

Interleukin-1 β

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ranitidine; Ulcer healing; Gastric blood flow; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Interleukin 1 β

Pancreatitis; EGF (epidermal growth factor); Pancreatic regeneration (Dembiński, A. (398) 159)

Intestine, human

Nepadutant; Tachykinin receptor; Tachykinin receptor antagonist; Urinary bladder, human (Patacchini, R. (398) 389)

Ischemia

Diltiazem; Coronary flow; Heart, isolated, rat; Microsphere; Reperfusion (Katsumata, N. (398) 83)

Ischemia–reperfusion

Gastric secretion; Omeprazole; Ranitidine; Ulcer healing; Gastric blood flow; Interleukin-1 β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Islet, isolated

Aging; Vanadyl sulfate; Insulin action; Insulin release (De Tata, V. (398) 169)

Kindling

5-HT (5-hydroxytryptamine, serotonin); Hippocampus; Seizure (Watanabe, K.-i. (398) 239)

Kynurenine

NMDA (*N*-methyl-D-aspartate); Quinolinic acid; Long-term potentiation; Hippocampus; NMDA receptor subunit (Youssef, F. (398) 349)

Learning

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

Lipid peroxidation

Antioxidant; Diabetic retinopathy; Glutathione; Superoxide dismutase (Obrosova, I.G. (398) 139)

Long-term potentiation

NMDA (*N*-methyl-D-aspartate); Quinolinic acid; Kynurenine; Hippocampus; NMDA receptor subunit (Youssef, F. (398) 349)

Lymphocyte proliferation

Cynaropicrin; Anti-inflammatory effect; TNF- α (tumor necrosis factor- α); Nitric oxide (NO) release; Immunosuppressive effect (Cho, J.Y. (398) 399)

MAPK (mitogen-activated protein kinase)

Ethanol; Acetaldehyde; Hepatocyte; Angiotensin II (Weng, Y.-I. (398) 323)

MAP (mitogen-activated protein) kinase

Substance P; TNF- α (tumor necrosis factor- α); Histamine; Dexamethasone; Skin (Okabe, T. (398) 309)

Melittin

Brain phospholipase A₂; Catecholamines, plasma; Sympatho-adrenomedullary outflow, central; Mepacrine (Yokotani, K. (398) 341)

Memory

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Morris water maze; Learning; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

Mepacrine

Brain phospholipase A₂; Catecholamines, plasma; Sympatho-adrenomedullary outflow, central; Melittin (Yokotani, K. (398) 341)

(*R*)-Methanandamide

Δ 9-Tetrahydrocannabinol; Anandamide; SR 141716; Amphetamine; Operant behavior; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Microdialysis

Gabapentin; Substantia nigra reticulata; γ -Aminobutyric acid (Timmerman, W. (398) 53)

Ensaculin; Dopamine; DOPAC (3,4-dihydroxyphenylacetic acid); Glutamate; Rat (Teismann, P. (398) 247)

Clozapine; Haloperidol; Ritanerlin; Ascorbic acid; Ethanol; (Rat) (Liu, W. (398) 333)

Microsphere

Diltiazem; Coronary flow; Heart, isolated, rat; Ischemia; Reperfusion (Katsumata, N. (398) 83)

Middle cerebral artery occlusion

Cerebral ischemia; Cerebral blood flow, local (Takamatsu, H. (398) 375)

Mitochondrion

[³H]Adenosine; Adenosine uptake; Testis, rat; Benzodiazepine receptor ligand, mitochondrial (Jiménez, A. (398) 31)

MK-912

α_2 -Adrenoceptor; Agonist, Inverse; G protein-coupled receptor; RX821002; GTP; Rauwolscine (Murrin, L.C. (398) 185)

Morris water maze

(–)-Huperzine A; Acetylcholinesterase; Cholinesterase inhibitor; Cerebral ischemia; Learning; Memory; Free radical; Alzheimer's disease (Wang, L.M. (398) 65)

 α -MSH (α -melanocyte stimulating hormone)

Feeding; Neuropeptide Y; (Chick) (Kawakami, S.-i. (398) 361)

Myocardial ischaemia

Antiarrhythmic; Class I; Arrhythmia; Proarrhythmia (Barrett, T.D. (398) 365)

Na⁺

Cyclosporine A; Enalapril; Valsartan; Angiotensin II; Vascular response (Lassila, M. (398) 99)

Na⁺ channel

Hippocampal neuron; Veratridine; Swelling; Death; Ca²⁺ channel (Okuyama, K. (398) 209)

Nandrolone decanoate

Deca durabolin; Cocaine; Radiotelemetry; Cardiac hypertrophy; ECG (electrocardiogram); Noradrenaline (Phillis, B.D. (398) 263)

Nateglinide

OAT1 (organic anion transporter 1); Renal tubular secretion; *Xenopus* oocytes; Sulfonylurea; *p*-Aminohippurate (Uwai, Y. (398) 193)

Nepadutant

Tachykinin receptor; Tachykinin receptor antagonist; Intestine, human; Urinary bladder, human (Patacchini, R. (398) 389)

Nephropathy

Angiotensin-converting enzyme inhibitor; Diabetes; Urinary albumin excretion; Immunohistochemistry (Katoh, M. (398) 381)

Neurogenic inflammation

Eletriptan; Sumatriptan; Carotid artery blood flow; Femoral artery blood flow; Coronary artery diameter (Gupta, P. (398) 73)

Neuropeptide Y

α -MSH (α -melanocyte stimulating hormone); Feeding; (Chick) (Kawakami, S.-i. (398) 361)

Neurotoxicity

Dizocilpine ((+)-MK-801); NMDA receptor antagonist; Retrosplenial cortex; Clozapine; Olanzapine; Immediate early gene (Fujimura, M. (398) 1)

Cytochrome oxidase; Amphetamine; Histochemistry; Energy metabolism (Burrows, K.B. (398) 11)

Nitric oxide (NO)

Streptozotocin-induced diabetic mouse; Corpus cavernosum; Antioxidant; Vitamin E; Sodium selenate; Oxidative stress (Göçmen, C. (398) 93)

β -Adrenoceptor; β -Adrenoceptor, atypical; Endothelium; Guanylyl cyclase; Smooth muscle, vascular (Brawley, L. (398) 285)

Hyperosmolarity; Prostaglandin; Vasoactive intestinal peptide (VIP); Tracheal perfusion; (Guinea-pig) (Hjoberg, J. (398) 303)

Nitric oxide (NO) release

Cynaropicrin; Anti-inflammatory effect; TNF- α (tumor necrosis factor- α); Lymphocyte proliferation; Immunosuppressive effect (Cho, J.Y. (398) 399)

Nitrosoureas

Glioma; Poly(ADP-ribose) polymerase; 3-Aminobenzamide (Winter, S. (398) 177)

NMDA (*N*-methyl-D-aspartate)

Quinolinic acid; Kynurenine; Long-term potentiation; Hippocampus; NMDA receptor subunit (Youssef, F. (398) 349)

NMDA receptor antagonist

Dizocilpine ((+)-MK-801); Neurotoxicity; Retrosplenial cortex; Clozapine; Olanzapine; Immediate early gene (Fujimura, M. (398) 1)

NMDA receptor subunit

NMDA (*N*-methyl-D-aspartate); Quinolinic acid; Kynurenine; Long-term potentiation; Hippocampus (Youssef, F. (398) 349)

Noradrenaline

5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole-3-acetic acid); 5-Hydroxytryptophol; Dopamine; Ataxia, cerebellar (Reader, T.A. (398) 41)

Nandrolone decanoate; Deca durabolin; Cocaine; Radiotelemetry; Cardiac hypertrophy; ECG (electrocardiogram) (Phillis, B.D. (398) 263)

OAT1 (organic anion transporter 1)

Renal tubular secretion; *Xenopus* oocytes; Sulfonylurea; Nateglinide; *p*-Aminohippurate (Uwai, Y. (398) 193)

Oestrogen

Phenytin; Ovulation; Uterus (Tamura, K. (398) 317)

Olanzapine

Dizocilpine ((+)-MK-801); NMDA receptor antagonist; Neurotoxicity; Retrosplenial cortex; Clozapine; Immediate early gene (Fujimura, M. (398) 1)

Omeprazole

Ischemia-reperfusion; Gastric secretion; Ranitidine; Ulcer healing; Gastric blood flow; Interleukin-1 β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Operant behavior

Δ 9-Tetrahydrocannabinol; (*R*)-Methanandamide; Anandamide; SR 141716; Amphetamine; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Opioid

Respiration; Tolerance; Dependence; (Rhesus monkey) (Kishioka, S. (398) 121)

Adenosine; Striatum (Halimi, G. (398) 217)

Ovulation

Phenytin; Oestrogen; Uterus (Tamura, K. (398) 317)

Oxidative stress

Streptozotocin-induced diabetic mouse; Corpus cavernosum; Nitric oxide (NO); Antioxidant; Vitamin E; Sodium selenate (Göçmen, C. (398) 93)

Pancreatic regeneration

Pancreatitis; EGF (epidermal growth factor); Interleukin 1 β (Dembiński, A. (398) 159)

Pancreatitis

EGF (epidermal growth factor); Pancreatic regeneration; Interleukin 1 β (Dembinski, A. (398) 159)

Parkinson's disease

6-Hydroxydopamine-lesioned rat; 5-HT_{2C} receptor; SKF 82958 (Fox, S.H. (398) 59)

Pharmacodynamics

Acute tolerance; Clozapine, intravenous; Clozapine, oral; Pharmacokinetics; Pharmacokinetic–pharmacodynamic modeling; Potency, relative (Sun, L. (398) 225)

Pharmacokinetic–pharmacodynamic modeling

Acute tolerance; Clozapine, intravenous; Clozapine, oral; Pharmacodynamics; Pharmacokinetics; Potency, relative (Sun, L. (398) 225)

Pharmacokinetics

Acute tolerance; Clozapine, intravenous; Clozapine, oral; Pharmacodynamics; Pharmacokinetic–pharmacodynamic modeling; Potency, relative (Sun, L. (398) 225)

Phenytoin

Ovulation; Oestrogen; Uterus (Tamura, K. (398) 317)

Phospholipase C

Histamine; Chromaffin cell; Ca²⁺; Inositol phospholipid; Adrenal medulla (Roberts-Thomson, E.L. (398) 199)

Poly(ADP-ribose) polymerase

Glioma; Nitrosoureas; 3-Aminobenzamide (Winter, S. (398) 177)

Potency, relative

Acute tolerance; Clozapine, intravenous; Clozapine, oral; Pharmacodynamics; Pharmacokinetics; Pharmacokinetic–pharmacodynamic modeling (Sun, L. (398) 225)

Proarrhythmia

Antiarrhythmic; Class I; Myocardial ischaemia; Arrhythmia (Barrett, T.D. (398) 365)

Proliferation

Endothelial cell; Angiogenesis; Ca²⁺ influx (Kawasaki, J. (398) 19)

Prostaglandin

Hyperosmolarity; Nitric oxide (NO); Vasoactive intestinal peptide (VIP); Tracheal perfusion; (Guinea-pig) (Hjoberg, J. (398) 303)

Protein kinase C isoform

Subarachnoid hemorrhage; Cerebral vasospasm (Nishizawa, S. (398) 113)

Quinolinic acid

NMDA (*N*-methyl-D-aspartate); Kynurenine; Long-term potentiation; Hippocampus; NMDA receptor subunit (Youssef, F. (398) 349)

Radiotelemetry

Nandrolone decanoate; Deca durabolin; Cocaine; Cardiac hypertrophy; ECG (electrocardiogram); Noradrenaline (Phillis, B.D. (398) 263)

Ranitidine

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ulcer healing; Gastric blood flow; Interleukin-1 β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Rat

Ensaculin; Dopamine; DOPAC (3,4-dihydroxyphenylacetic acid); Glutamate; Microdialysis (Teismann, P. (398) 247)

Rauwolscine

α_2 -Adrenoceptor; Agonist, Inverse; G protein-coupled receptor; RX821002; MK-912; GTP (Murrin, L.C. (398) 185)

Renal tubular secretion

OAT1 (organic anion transporter 1); *Xenopus* oocytes; Sulfonylurea; Nateglinide; *p*-Aminohippurate (Uwai, Y. (398) 193)

Reperfusion

Diltiazem; Coronary flow; Heart, isolated, rat; Ischemia; Microsphere (Katsumata, N. (398) 83)

Respiration

Opioid; Tolerance; Dependence; (Rhesus monkey) (Kishioka, S. (398) 121)

Retrosplenial cortex

Dizocilpine ((+)-MK-801); NMDA receptor antagonist; Neurotoxicity; Clozapine; Olanzapine; Immediate early gene (Fujimura, M. (398) 1)

Ritanserlin

Clozapine; Haloperidol; Ascorbic acid; Ethanol; Microdialysis; (Rat) (Liu, W. (398) 333)

RX821002

α_2 -Adrenoceptor; Agonist, Inverse; G protein-coupled receptor; MK-912; GTP; Rauwolscine (Murrin, L.C. (398) 185)

SDZ CPI 975

Carnitine palmitoyltransferase; Etomoxir; Hypertrophy (Yotsumoto, T. (398) 297)

Seizure

5-HT (5-hydroxytryptamine, serotonin); Kindling; Hippocampus (Watanabe, K.-i. (398) 239)

Sensitization

Ibogaine; Cocaine; Dopamine; Stereotypy; Drug addiction (Szumlinski, K.K. (398) 259)

SKF 82958

Parkinson's disease; 6-Hydroxydopamine-lesioned rat; 5-HT_{2C} receptor (Fox, S.H. (398) 59)

Skin

Substance P; TNF- α (tumor necrosis factor- α); Histamine; Dexamethasone; MAP (mitogen-activated protein) kinase (Okabe, T. (398) 309)

Smooth muscle, vascular

β -Adrenoceptor; β -Adrenoceptor, atypical; Endothelium; Nitric oxide (NO); Guanylyl cyclase (Brawley, L. (398) 285)

Sodium selenate

Streptozotocin-induced diabetic mouse; Corpus cavernosum; Nitric oxide (NO); Antioxidant; Vitamin E; Oxidative stress (Göçmen, C. (398) 93)

Somatostatin

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ranitidine; Ulcer healing; Gastric blood flow; Interleukin-1 β ; Gastrin (Brzozowski, T. (398) 147)

SR 141716

Δ 9-Tetrahydrocannabinol; (*R*)-Methanandamide; Anandamide; Amphetamine; Operant behavior; Tolerance; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Stereotypy

Ibogaine; Cocaine; Sensitization; Dopamine; Drug addiction (Szumlinski, K.K. (398) 259)

Streptozotocin-induced diabetic mouse

Corpus cavernosum; Nitric oxide (NO); Antioxidant; Vitamin E; Sodium selenate; Oxidative stress (Göçmen, C. (398) 93)

Striatum

Adenosine; Opioid (Halimi, G. (398) 217)

Subarachnoid hemorrhage

Protein kinase C isoform; Cerebral vasospasm (Nishizawa, S. (398) 113)

Substance P

TNF- α (tumor necrosis factor- α); Histamine; Dexamethasone; MAP (mitogen-activated protein) kinase; Skin (Okabe, T. (398) 309)

Substantia nigra reticulata

Gabapentin; γ -Aminobutyric acid; Microdialysis (Timmerman, W. (398) 53)

Sulfonylurea

OAT1 (organic anion transporter 1); Renal tubular secretion; *Xenopus* oocytes; Nateglinide; *p*-Aminohippurate (Uwai, Y. (398) 193)

$I_{K,ATP}$; Glibenclamide; HMR1883; Cardiac ischemia; Dispersion; Arrhythmia; Sulfonylurea (Dhein, S. (398) 273)

$I_{K,ATP}$; Glibenclamide; HMR1883; Sulfonylurea; Cardiac ischemia; Dispersion; Arrhythmia (Dhein, S. (398) 273)

Sumatriptan

Eletriptan; Carotid artery blood flow; Femoral artery blood flow; Neurogenic inflammation; Coronary artery diameter (Gupta, P. (398) 73)

Superoxide dismutase

Antioxidant; Diabetic retinopathy; Glutathione; Lipid peroxidation (Obrosova, I.G. (398) 139)

Swelling

Hippocampal neuron; Veratridine; Death; Na^+ channel; Ca^{2+} channel (Okuyama, K. (398) 209)

Sympatho-adrenomedullary outflow, central

Brain phospholipase A_2 ; Catecholamines, plasma; Melittin; Mepacrine (Yokotani, K. (398) 341)

Tachykinin receptor

Nepadutant; Tachykinin receptor antagonist; Intestine, human; Urinary bladder, human (Patacchini, R. (398) 389)

Tachykinin receptor antagonist

Nepadutant; Tachykinin receptor; Intestine, human; Urinary bladder, human (Patacchini, R. (398) 389)

Testis, rat

[3H]Adenosine; Adenosine uptake; Mitochondrion; Benzodiazepine receptor ligand, mitochondrial (Jiménez, A. (398) 31)

TNF- α (tumor necrosis factor- α)

Substance P; Histamine; Dexamethasone; MAP (mitogen-activated protein) kinase; Skin (Okabe, T. (398) 309)

Cynaropicrin; Anti-inflammatory effect; Nitric oxide (NO) release; Lymphocyte proliferation; Immunosuppressive effect (Cho, J.Y. (398) 399)

Tolerance

Respiration; Opioid; Dependence; (Rhesus monkey) (Kishioka, S. (398) 121)

$\Delta 9$ -Tetrahydrocannabinol; (*R*)-Methanandamide; Anandamide; SR 141716; Amphetamine; Operant behavior; Cross-tolerance; Dependence; (Rat) (Lamb, R.J. (398) 251)

Tracheal perfusion

Hyperosmolarity; Prostaglandin; Nitric oxide (NO); Vasoactive intestinal peptide (VIP); (Guinea-pig) (Hjoberg, J. (398) 303)

Ulcer healing

Ischemia–reperfusion; Gastric secretion; Omeprazole; Ranitidine; Gastric blood flow; Interleukin-1 β ; Gastrin; Somatostatin (Brzozowski, T. (398) 147)

Urinary albumin excretion

Angiotensin-converting enzyme inhibitor; Diabetes; Nephropathy; Immunohistochemistry (Katoh, M. (398) 381)

Urinary bladder, human

Nepadutant; Tachykinin receptor; Tachykinin receptor antagonist; Intestine, human (Patacchini, R. (398) 389)

Uterus

Phenytol; Ovulation; Oestrogen (Tamura, K. (398) 317)

Valsartan

Cyclosporine A; Na^+ ; Enalapril; Angiotensin II; Vascular response (Lassila, M. (398) 99)

Vanadyl sulfate

Aging; Insulin action; Insulin release; Islet, isolated (De Tata, V. (398) 169)

Vascular response

Cyclosporine A; Na^+ ; Enalapril; Valsartan; Angiotensin II (Lassila, M. (398) 99)

Vas deferens, rat

Bradykinin; Bradykinin receptor; Hoe 140; Antagonism, insurmountable (Asghar, A.U.R. (398) 131)

Vasoactive intestinal peptide (VIP)

Hyperosmolarity; Prostaglandin; Nitric oxide (NO); Tracheal perfusion; (Guinea-pig) (Hjoberg, J. (398) 303)

Ventricular arrhythmia

AH-1058; Ca^{2+} channel blocker (Takahara, A. (398) 107)

Veratridine

Hippocampal neuron; Swelling; Death; Na^+ channel; Ca^{2+} channel (Okuyama, K. (398) 209)

Vitamin E

Streptozotocin-induced diabetic mouse; Corpus cavernosum; Nitric oxide (NO); Antioxidant; Sodium selenate; Oxidative stress (Göçmen, C. (398) 93)

***Xenopus* oocytes**

OAT1 (organic anion transporter 1); Renal tubular secretion; Sulfonylurea; Nateglinide; *p*-Aminohippurate (Uwai, Y. (398) 193)