

Keyword index

Abdominal afferent nerve activity

CP-99, 994; CP-100, 263; Tachykinin NK₁ receptor antagonist; Antiemetic activity; Granisetron; Substance P (Minami, M. (428) 215)

Acetylcholine

Bladder; Nitric oxide (NO) (Miyamoto, Y. (428) 59)

Sildenafil; Prostaglandin E₂; Oxytocin; Guanylyl cyclase; Methylene blue; Uterus; (Rat) (Agha, A.M. (428) 343)

Acute subdural hematoma

Amphetamine; Apomorphine; Behavioral stereotypy; Body temperature; Drug discrimination; Intracranial self-stimulation; Middle cerebral artery occlusion; MK-801; Phencyclidine; Pentylentetrazol; Prepulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

Adenylyl cyclase

Lithium chloride; G_{olf}; Striatum; G_{γ7}; Relapse; Manic–depressive illness (Miki, M. (428) 303)

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Cytosolic alkalosis; Na⁺/H⁺ exchange; Ammonium chloride; Ca²⁺ channel, receptor-operated; Smooth muscle, vascular (Wakabayashi, I. (428) 251)

Airway

Glucocorticoid; Dexamethasone; Interleukin-1β; NGF (nerve growth factor); Neurotrophin; Inflammation; Asthma (Pons, F. (428) 365)

[D-Ala²,D-Leu⁵]enkephalin (DADLE)

Methamphetamine; Bax (Tsao, L.-I. (428) 149)

Albumin

Imaging; Middle cerebral artery occlusion; Stroke; Neuroprotection; (Rat) (Liu, Y. (428) 193)

γ-Aminobutyric acid (GABA) transporter

Dopamine neuron; Isoguvacine; L-Arginine; Muscimol; NO 711 (Shen, K.-Z. (428) 1)

Ammonium chloride

Cytosolic alkalosis; Na⁺/H⁺ exchange; Ca²⁺ channel, receptor-operated; Smooth muscle, vascular; Adrenoceptor agonist (Wakabayashi, I. (428) 251)

Amphetamine

Acute subdural hematoma; Apomorphine; Behavioral stereotypy; Body temperature; Drug discrimination; Intracranial self-stimulation; Middle cerebral artery occlusion; MK-801; Phencyclidine; Pentylentetrazol; Prepulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

D-amphetamine

Sydnocarb; Neuroactive amino acid; Neurotoxicity; Caudate-putamen; Microdialysis (Anderzhanova, E. (428) 87)

Angiotensin II

Prostanoid; Prostaglandin; Nitric oxide (NO); (Rat) (Schuijt, M.P. (428) 331)

Anteroventral third ventricle region

Hemorrhagic shock; L-Citrulline; N^G-nitro-L-arginine methylester (L-NAME); Microdialysis; Muscarinic receptor; Nitric oxide (NO); Oxotremorine; (Rat) (Gören, M.Z. (428) 261)

Antiemetic activity

CP-99, 994; CP-100, 263; Tachykinin NK₁ receptor antagonist; Abdominal afferent nerve activity; Granisetron; Substance P (Minami, M. (428) 215)

Antioxidant

Stroke; Melatonin; Middle cerebral artery occlusion; (Rat) (Sinha, K. (428) 185)

Calcium dobesilate; Diabetic retinopathy; Na⁺; K⁺; Ca²⁺; Retina; Ischemia; Reperfusion, (Rat) (Szabo, M.E. (428) 277)

Antipsychotic

5-HT_{1A} receptor; WAY100,635; Inverse agonist; Clozapine; S16924 (Newman-Tancredi, A. (428) 177)

Antisense oligodeoxynucleotide

Gastrointestinal transit; Inflammation; Intestinal permeability; Intestine; Opioid receptor (Pol, O. (428) 127)

Aorta

Fructose-fed, mouse; Noradrenaline; Contraction; Endothelium; Insulin-resistance (Kamata, K. (428) 241)

Aortic ring, rat

Diazepam; cAMP; Phosphodiesterase inhibitor; Benzodiazepine receptor; Isoprenaline (Galindo, A. (428) 269)

Apomorphine

Acute subdural hematoma; Amphetamine; Behavioral stereotypy; Body temperature; Drug discrimination; Intracranial self-stimulation; Middle cerebral artery occlusion; MK-801; Phencyclidine; Pentylentetrazol; Prepulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

L-Arginine

Dopamine neuron; γ-Aminobutyric acid (GABA) transporter; Isoguvacine; Muscimol; NO 711 (Shen, K.-Z. (428) 1)

Asthma

Airway; Glucocorticoid; Dexamethasone; Interleukin-1β; NGF (nerve growth factor); Neurotrophin; Inflammation (Pons, F. (428) 365)

Autoradiography

Imidazoline I₂ site; [³H]2-BFI([³H]-2-(-2-benzofuranyl)-2-imidazoline; Tranylcypromine; Brain; (Rat) (MacInnes, N. (428) 221)

Bax

[D-Ala²,D-Leu⁵]enkephalin (DADLE); Methamphetamine (Tsao, L.-I. (428) 149)

Behavioral stereotypy

Acute subdural hematoma; Amphetamine; Apomorphine; Body temperature; Drug discrimination; Intracranial self-stimulation; Middle cerebral artery occlusion; MK-801; Phencyclidine; Pentyleneetetrazol; Prepulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

Benzodiazepine receptor

Diazepam; cAMP; Phosphodiesterase inhibitor; Isoprenaline; Aortic ring, rat (Galindo, A. (428) 269)

Bladder

Nitric oxide (NO); Acetylcholine (Miyamoto, Y. (428) 59)

Body temperature

Acute subdural hematoma; Amphetamine; Apomorphine; Behavioral stereotypy; Drug discrimination; Intracranial self-stimulation; Middle cerebral artery occlusion; MK-801; Phencyclidine; Pentyleneetetrazol; Prepulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

Brain

Imidazoline I₂ site; [³H]-2-BFI([³H]-2-(-2-benzofuranyl)-2-imidazoline; Autoradiography; Tranylcypromine; (Rat) (MacInnes, N. (428) 221)

Ca²⁺

5-HT₃ receptor; Divalent cation modulation; Cation permeability; Ion channel, neurotransmitter gated (Niemeyer, M.I. (428) 153)

Calcium dobesilate; Diabetic retinopathy; Na⁺; K⁺; Antioxidant; Retina; Ischemia; Reperfusion, (Rat) (Szabo, M.E. (428) 277)

Ca²⁺ channel, receptor-operated

Cytosolic alkalosis; Na⁺/H⁺ exchange; Ammonium chloride; Smooth muscle, vascular; Adrenoceptor agonist (Wakabayashi, I. (428) 251)

Ca²⁺, ERK1/2 (extracellular signal regulated kinase 1/2)

Indapamide; Vascular smooth muscle cell; Cell growth; DNA synthesis; MAP (mitogen-activated protein) kinase (p44/p42); Oncogene expression (Ganado, P. (428) 19)

Calcium dobesilate

Diabetic retinopathy; Na⁺; K⁺; Ca²⁺; Antioxidant; Retina; Ischemia; Reperfusion, (Rat) (Szabo, M.E. (428) 277)

cAMP

Diazepam; Phosphodiesterase inhibitor; Benzodiazepine receptor; Isoprenaline; Aortic ring, rat (Galindo, A. (428) 269)

Cannabinoid

Epilepsy; Maximal electroshock; Seizure; Cannabinoid CB₁ receptor (Wallace, M.J. (428) 51)

Cannabinoid CB₁ receptor

Cannabinoid; Epilepsy; Maximal electroshock; Seizure (Wallace, M.J. (428) 51)

Capsaicin

Gastric acid secretion; Vanilloid receptor; Central injection; (Rat) (Minowa, S. (428) 349)

Cation permeability

5-HT₃ receptor; Divalent cation modulation; Ion channel, neurotransmitter gated; Ca²⁺ (Niemeyer, M.I. (428) 153)

Caudate-putamen

D-amphetamine; Sydnocarb; Neuroactive amino acid; Neurotoxicity; Microdialysis (Anderzhanova, E. (428) 87)

Cell growth

Indapamide; Vascular smooth muscle cell; DNA synthesis; Ca²⁺, ERK1/2 (extracellular signal regulated kinase 1/2); MAP (mitogen-activated protein) kinase (p44/p42); Oncogene expression (Ganado, P. (428) 19)

Central injection

Gastric acid secretion; Capsaicin; Vanilloid receptor; (Rat) (Minowa, S. (428) 349)

Chloroquine

Hypoglycaemia; Gluconeogenesis; Hepatocyte; Renal tubule (Jarzyna, R. (428) 381)

Chronotherapy

Vitamin D3; Osteoporosis; Stroke-prone spontaneously hypertensive, rat (Tsuruoka, S. (428) 287)

L-Citrulline

Anteroventral third ventricle region; Hemorrhagic shock; N^G-nitro-L-arginine methylester (L-NAME); Microdialysis; Muscarinic receptor; Nitric oxide (NO); Oxotremorine; (Rat) (Gören, M.Z. (428) 261)

Clozapine

5-HT_{1A} receptor; WAY100,635; Inverse agonist; S16924; Antipsychotic (Newman-Tancredi, A. (428) 177)

Coagulation

JTV-803; Oral administration; Factor Xa (Hayashi, M. (428) 163)

Contraction

Hyperthyroidism; Corpus cavernosum; Relaxation (Özdemirci, S. (428) 105)

Fructose-fed, mouse; Noradrenaline; Endothelium; Insulin-resistance; Aorta (Kamata, K. (428) 241)

Corpus cavernosum

Hyperthyroidism; Contraction; Relaxation (Özdemirci, S. (428) 105)

Cortex, entorhinal

Visual discrimination; NMDA receptor antagonist, functional; Microinfusion; Cortex, temporal; Memory; (Rat) (Myhrer, T. (428) 323)

Cortex, temporal

Visual discrimination; NMDA receptor antagonist, functional; Microinfusion; Cortex, entorhinal; Memory; (Rat) (Myhrer, T. (428) 323)

Corticosterone

Ketanserin; Sexual behaviour; Wet-dog shake; 5-HT_{2A} receptor (Gorzalka, B.B. (428) 235)

CP-99, 994

CP-100, 263; Tachykinin NK₁ receptor antagonist; Antiemetic activity; Abdominal afferent nerve activity; Granisetron; Substance P (Minami, M. (428) 215)

CP-100, 263

CP-99, 994; Tachykinin NK₁ receptor antagonist; Antiemetic activity; Abdominal afferent nerve activity; Granisetron; Substance P (Minami, M. (428) 215)

Cytosolic alkalosis

Na^+/H^+ exchange; Ammonium chloride; Ca^{2+} channel, receptor-operated; Smooth muscle, vascular; Adrenoceptor agonist (Wakabayashi, I. (428) 251)

Desensitization

Nornicotine; Nicotine; Nicotinic receptor; Dopamine release; Striatum, rat (Dwoskin, L.P. (428) 69)

Dexamethasone

Airway; Glucocorticoid; Interleukin-1 β ; NGF (nerve growth factor); Neurotrophin; Inflammation; Asthma (Pons, F. (428) 365)

Diabetic retinopathy

Calcium dobesilate; Na^+ ; K^+ ; Ca^{2+} ; Antioxidant; Retina; Ischemia; Reperfusion, (Rat) (Szabo, M.E. (428) 277)

Diazepam

cAMP; Phosphodiesterase inhibitor; Benzodiazepine receptor; Isoprenaline; Aortic ring, rat (Galindo, A. (428) 269)

Distal, tubule

Stop-flow experiment; Nitric oxide (NO); Nitrate; L-Nitro arginine (Rahman, M. (428) 113)

Divalent cation modulation

5-HT $_3$ receptor; Cation permeability; Ion channel, neurotransmitter gated; Ca^{2+} (Niemeyer, M.I. (428) 153)

DNA synthesis

Indapamide; Vascular smooth muscle cell; Cell growth; Ca^{2+} , ERK1/2 (extracellular signal regulated kinase 1/2); MAP (mitogen-activated protein) kinase (p44/p42); Oncogene expression (Ganado, P. (428) 19)

Dopamine

Neurotensin; Motivation; Locomotor activity; Open-field (Costa, F.G. (428) 97)

Dopamine neuron

γ -Aminobutyric acid (GABA) transporter; Isoguvacine; L-Arginine; Muscimol; NO 711 (Shen, K.-Z. (428) 1)

Dopamine release

Nornicotine; Nicotine; Nicotinic receptor; Desensitization; Striatum, rat (Dwoskin, L.P. (428) 69)

Drug discrimination

Acute subdural hematoma; Amphetamine; Apomorphine; Behavioral stereotypy; Body temperature; Intracranial self-stimulation; Middle cerebral artery occlusion; MK-801; Phencyclidine; Pentylentetrazol; Pre-pulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

Endothelium

Fructose-fed, mouse; Noradrenaline; Contraction; Insulin-resistance; Aorta (Kamata, K. (428) 241)

Epilepsy

Cannabinoid; Maximal electroshock; Seizure; Cannabinoid CB $_1$ receptor (Wallace, M.J. (428) 51)

Factor Xa

JTV-803; Oral administration; Coagulation (Hayashi, M. (428) 163)

Fluoroquinolone

Neutrophil, human; Host defense; Grepafloxacin (Niwa, M. (428) 121)

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Phosphodiesterase type 5 inhibitor; Penile erection (Hosogai, N. (428) 295)

Free radical

Iron chelator; Lipid peroxidation; Mitochondria; Oxidative stress; Pyridoxal isonicotinoyl hydrazone (Santos, N.C.F. (428) 37)

Fructose-fed, mouse

Noradrenaline; Contraction; Endothelium; Insulin-resistance; Aorta (Kamata, K. (428) 241)

G_{off}

Lithium chloride; Striatum; G γ_7 ; Adenylyl cyclase; Relapse; Manic-depressive illness (Miki, M. (428) 303)

GABA_B receptor antagonists

γ -Hydroxybutyric acid (GHB); Sedative/hypnotic effect; GHB receptor antagonist; NCS-382; SCH 50911 and CGP 46381; (DBA mouse) (Carai, M.A.M. (428) 315)

Gastric acid secretion

Capsaicin; Vanilloid receptor; Central injection; (Rat) (Minowa, S. (428) 349)

Gastrointestinal transit

Antisense oligodeoxynucleotide; Inflammation; Intestinal permeability; Intestine; Opioid receptor (Pol, O. (428) 127)

G γ_7

Lithium chloride; G_{off}; Striatum; Adenylyl cyclase; Relapse; Manic-depressive illness (Miki, M. (428) 303)

GHB receptor antagonist

γ -Hydroxybutyric acid (GHB); Sedative/hypnotic effect; NCS-382; GABA_B receptor antagonists; SCH 50911 and CGP 46381; (DBA mouse) (Carai, M.A.M. (428) 315)

Glucocorticoid

Airway; Dexamethasone; Interleukin-1 β ; NGF (nerve growth factor); Neurotrophin; Inflammation; Asthma (Pons, F. (428) 365)

Gluconeogenesis

Hypoglycaemia; Chloroquine; Hepatocyte; Renal tubule (Jarzyna, R. (428) 381)

Granisetron

CP-99, 994; CP-100, 263; Tachykinin NK $_1$ receptor antagonist; Antiemetic activity; Abdominal afferent nerve activity; Substance P (Minami, M. (428) 215)

Green fluorescent protein

Muscarinic receptor; Intracellular trafficking; NG108-15 cell (Madziva, M.T. (428) 9)

Grepafloxacin

Fluoroquinolone; Neutrophil, human; Host defense (Niwa, M. (428) 121)

Guanylyl cyclase

Sildenafil; Prostaglandin E $_2$; Oxytocin; Acetylcholine; Methylene blue; Uterus; (Rat) (Agha, A.M. (428) 343)

[^3H]-2-BFI([^3H]-2-(2-benzofuranyl)-2-imidazoline

Imidazoline I $_2$ site; Autoradiography; Tranylcypromine; Brain; (Rat) (MacInnes, N. (428) 221)

Hemorrhagic shock

Anteroventral third ventricle region; L-Citrulline; N^G -nitro-L-arginine methyl ester (L-NAME); Microdialysis; Muscarinic receptor; Nitric oxide (NO); Oxotremorine; (Rat) (Gören, M.Z. (428) 261)

Hepatocyte

Hypoglycaemia; Chloroquine; Gluconeogenesis; Renal tubule (Jarzyna, R. (428) 381)

Host defense

Fluoroquinolone; Neutrophil, human; Grepafloxacin (Niwa, M. (428) 121)

5-HT_{1A} receptor

Tardive dyskinesia; Vacuous chewing movement; Neuroleptic; 5-HT_{2A/2C} receptor (Naidu, P.S. (428) 81)

WAY100,635; Inverse agonist; Clozapine; S16924; Antipsychotic (Newman-Tancredi, A. (428) 177)

5-HT_{2A} receptor

Corticosterone; Ketanserin; Sexual behaviour; Wet-dog shake (Gorzalka, B.B. (428) 235)

5-HT_{2A/2C} receptor

Tardive dyskinesia; Vacuous chewing movement; Neuroleptic; 5-HT_{1A} receptor (Naidu, P.S. (428) 81)

5-HT₃ receptor

Divalent cation modulation; Cation permeability; Ion channel, neurotransmitter gated; Ca^{2+} (Niemeyer, M.I. (428) 153)

 γ -Hydroxybutyric acid (GHB)

Sedative/hypnotic effect; GHB receptor antagonist; NCS-382; GABA_B receptor antagonists; SCH 50911 and CGP 46381; (DBA mouse) (Carai, M.A.M. (428) 315)

6-Hydroxydopamine

Parkinson's disease; Neurotensin (Boules, M. (428) 227)

Hyperthyroidism

Corpus cavernosum; Contraction; Relaxation (Özdemirci, S. (428) 105)

Hypoglycaemia

Chloroquine; Gluconeogenesis; Hepatocyte; Renal tubule (Jarzyna, R. (428) 381)

Imaging

Albumin; Middle cerebral artery occlusion; Stroke; Neuroprotection; (Rat) (Liu, Y. (428) 193)

Imidazoline I₂ site

[³H]2-BFI([³H]-2-(-2-benzofuranyl)-2-imidazoline; Autoradiography; Tranlycypromine; Brain; (Rat) (MacInnes, N. (428) 221)

Indapamide

Vascular smooth muscle cell; Cell growth; DNA synthesis; Ca^{2+} , ERK1/2 (extracellular signal regulated kinase 1/2); MAP (mitogen-activated protein) kinase (p44/p42); Oncogene expression (Ganado, P. (428) 19)

Inflammation

Antisense oligodeoxynucleotide; Gastrointestinal transit; Intestinal permeability; Intestine; Opioid receptor (Pol, O. (428) 127)

Oleanonic acid; Leukotriene; Skin; Triterpenoid; (*Pistacia terebinthus*) (Giner-Larza, E.M. (428) 137)

Airway; Glucocorticoid; Dexamethasone; Interleukin-1 β ; NGF (nerve growth factor); Neurotrophin; Asthma (Pons, F. (428) 365)

Insulin-resistance

Fructose-fed, mouse; Noradrenaline; Contraction; Endothelium; Aorta (Kamata, K. (428) 241)

Interleukin-1 β

Airway; Glucocorticoid; Dexamethasone; NGF (nerve growth factor); Neurotrophin; Inflammation; Asthma (Pons, F. (428) 365)

Intestinal permeability

Antisense oligodeoxynucleotide; Gastrointestinal transit; Inflammation; Intestine; Opioid receptor (Pol, O. (428) 127)

Intestine

Antisense oligodeoxynucleotide; Gastrointestinal transit; Inflammation; Intestinal permeability; Opioid receptor (Pol, O. (428) 127)

Intracellular trafficking

Muscarinic receptor; Green fluorescent protein; NG108-15 cell (Madziva, M.T. (428) 9)

Intracranial self-stimulation

Acute subdural hematoma; Amphetamine; Apomorphine; Behavioral stereotypy; Body temperature; Drug discrimination; Middle cerebral artery occlusion; MK-801; Phencyclidine; Pentylene tetrazol; Prepulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

Inverse agonist

5-HT_{1A} receptor; WAY100,635; Clozapine; S16924; Antipsychotic (Newman-Tancredi, A. (428) 177)

Ion channel, neurotransmitter gated

5-HT₃ receptor; Divalent cation modulation; Cation permeability; Ca^{2+} (Niemeyer, M.I. (428) 153)

Iron chelator

Free radical; Lipid peroxidation; Mitochondria; Oxidative stress; Pyridoxal isonicotinoyl hydrazone (Santos, N.C.F. (428) 37)

Ischemia

Calcium dobesilate; Diabetic retinopathy; Na^{+} ; K^{+} ; Ca^{2+} ; Antioxidant; Retina; Reperfusion, (Rat) (Szabo, M.E. (428) 277)

Isoguvacine

Dopamine neuron; γ -Aminobutyric acid (GABA) transporter; L-Arginine; Muscimol; NO 711 (Shen, K.-Z. (428) 1)

Isoprenaline

Diazepam; cAMP; Phosphodiesterase inhibitor; Benzodiazepine receptor; Aortic ring, rat (Galindo, A. (428) 269)

JTV-803

Oral administration; Coagulation; Factor Xa (Hayashi, M. (428) 163)

 K^{+}

Calcium dobesilate; Diabetic retinopathy; Na^{+} ; Ca^{2+} ; Antioxidant; Retina; Ischemia; Reperfusion, (Rat) (Szabo, M.E. (428) 277)

 K^{+} channel

WIN 17317-3; Smooth muscle contractility (Vianna-Jorge, R. (428) 45)

 K_{ATP} channel opener

Levosimendan; Mitochondrion (Kopustinskiene, D.M. (428) 311)

Ketanserin

Corticosterone; Sexual behaviour; Wet-dog shake; 5-HT_{2A} receptor (Gorzalka, B.B. (428) 235)

Leptin

Melatonin; Pinealectomy; (Rat) (Canpolat, S. (428) 145)

Leukotriene

Oleanonic acid; Inflammation; Skin; Triterpenoid; (*Pistacia terebinthus*) (Giner-Larza, E.M. (428) 137)

Levosimendan

K_{ATP} channel opener; Mitochondrion (Kopustinskiene, D.M. (428) 311)

Lipid peroxidation

Free radical; Iron chelator; Mitochondria; Oxidative stress; Pyridoxal isonicotinoyl hydrazone (Santos, N.C.F. (428) 37)

N-acetylserotonin; Membrane fluidity; Microsome (García, J.J. (428) 169)

Lithium chloride

G_{olf}; Striatum; G_{γ7}; Adenylyl cyclase; Relapse; Manic–depressive illness (Miki, M. (428) 303)

Locomotor activity

Neurotensin; Dopamine; Motivation; Open-field (Costa, F.G. (428) 97)

Manic–depressive illness

Lithium chloride; G_{olf}; Striatum; G_{γ7}; Adenylyl cyclase; Relapse (Miki, M. (428) 303)

MAP (mitogen-activated protein) kinase (p44 / p42)

Indapamide; Vascular smooth muscle cell; Cell growth; DNA synthesis; Ca²⁺, ERK1/2 (extracellular signal regulated kinase 1/2); Oncogene expression (Ganado, P. (428) 19)

Matrix metalloproteinase

Trapidil; Monocyte; T cell; Tissue factor; Monocyte chemoattractant protein-1 (MCP-1) (Kato, Y. (428) 371)

Maximal electroshock

Cannabinoid; Epilepsy; Seizure; Cannabinoid CB₁ receptor (Wallace, M.J. (428) 51)

Melatonin

Leptin; Pinealectomy; (Rat) (Canpolat, S. (428) 145)

Stroke; Antioxidant; Middle cerebral artery occlusion; (Rat) (Sinha, K. (428) 185)

Membrane fluidity

N-acetylserotonin; Lipid peroxidation; Microsome (García, J.J. (428) 169)

Memory

Visual discrimination; NMDA receptor antagonist, functional; Microinfusion; Cortex, temporal; Cortex, entorhinal; (Rat) (Myhrer, T. (428) 323)

Methamphetamine

[D-Ala², D-Leu⁵]enkephalin (DADLE); Bax (Tsao, L.-I. (428) 149)

Methylene blue

Sildenafil; Prostaglandin E₂; Oxytocin; Acetylcholine; Guanylyl cyclase; Uterus; (Rat) (Agha, A.M. (428) 343)

Microdialysis

D-amphetamine; Sydnocarb; Neuroactive amino acid; Neurotoxicity; Caudate-putamen (Anderzhanova, E. (428) 87)

Anteroventral third ventricle region; Hemorrhagic shock; L-Citrulline; N^G-nitro-L-arginine methylester (L-NAME); Muscarinic receptor; Nitric oxide (NO); Oxotremorine; (Rat) (Gören, M.Z. (428) 261)

Microinfusion

Visual discrimination; NMDA receptor antagonist, functional; Cortex, temporal; Cortex, entorhinal; Memory; (Rat) (Myhrer, T. (428) 323)

Microsome

N-acetylserotonin; Lipid peroxidation; Membrane fluidity (García, J.J. (428) 169)

Middle cerebral artery occlusion

Stroke; Antioxidant; Melatonin; (Rat) (Sinha, K. (428) 185)

Albumin; Imaging; Stroke; Neuroprotection; (Rat) (Liu, Y. (428) 193)

Acute subdural hematoma; Amphetamine; Apomorphine; Behavioral stereotypy; Body temperature; Drug discrimination; Intracranial self-stimulation; MK-801; Phencyclidine; Pentylene-tetrazol; Prepulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

Mitochondria

Free radical; Iron chelator; Lipid peroxidation; Oxidative stress; Pyridoxal isonicotinoyl hydrazone (Santos, N.C.F. (428) 37)

Mitochondrion

K_{ATP} channel opener; Levosimendan (Kopustinskiene, D.M. (428) 311)

MK-801

Acute subdural hematoma; Amphetamine; Apomorphine; Behavioral stereotypy; Body temperature; Drug discrimination; Intracranial self-stimulation; Middle cerebral artery occlusion; Phencyclidine; Pentylene-tetrazol; Prepulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

Monocyte

Trapidil; T cell; Tissue factor; Matrix metalloproteinase; Monocyte chemoattractant protein-1 (MCP-1) (Kato, Y. (428) 371)

Monocyte chemoattractant protein-1 (MCP-1)

Trapidil; Monocyte; T cell; Tissue factor; Matrix metalloproteinase (Kato, Y. (428) 371)

Motivation

Neurotensin; Dopamine; Locomotor activity; Open-field (Costa, F.G. (428) 97)

Muscarinic receptor

Green fluorescent protein; Intracellular trafficking; NG108-15 cell (Madziva, M.T. (428) 9)

Anteroventral third ventricle region; Hemorrhagic shock; L-Citrulline; N^G-nitro-L-arginine methylester (L-NAME); Microdialysis; Nitric oxide (NO); Oxotremorine; (Rat) (Gören, M.Z. (428) 261)

Muscarinic receptor subtype

Purinoreceptor; Urinary bladder; (Rat) (Giglio, D. (428) 357)

Muscimol

Dopamine neuron; γ -Aminobutyric acid (GABA) transporter; Isoguvacine; L-Arginine; NO 711 (Shen, K.-Z. (428) 1)

Na⁺

Calcium dobesilate; Diabetic retinopathy; K⁺; Ca²⁺; Antioxidant; Retina; Ischemia; Reperfusion, (Rat) (Szabo, M.E. (428) 277)

N-acetylserotonin

Lipid peroxidation; Membrane fluidity; Microsome (García, J.J. (428) 169)

Na⁺/H⁺ exchange

Cytosolic alkalosis; Ammonium chloride; Ca²⁺ channel, receptor-operated; Smooth muscle, vascular; Adrenoceptor agonist (Wakabayashi, I. (428) 251)

N^G-nitro-L-arginine methylester (L-NAME)

Anteroventral third ventricle region; Hemorrhagic shock; L-Citrulline; Microdialysis; Muscarinic receptor; Nitric oxide (NO); Oxotremorine; (Rat) (Gören, M.Z. (428) 261)

NCS-382

γ-Hydroxybutyric acid (GHB); Sedative/hypnotic effect; GHB receptor antagonist; GABA_B receptor antagonists; SCH 50911 and CGP 46381; (DBA mouse) (Carai, M.A.M. (428) 315)

Neuroactive amino acid

D-amphetamine; Sydnocarb; Neurotoxicity; Caudate-putamen; Microdialysis (Anderzhanova, E. (428) 87)

Neuroleptic

Tardive dyskinesia; Vacuous chewing movement; 5-HT_{1A} receptor; 5-HT_{2A/2C} receptor (Naidu, P.S. (428) 81)

Neuroprotection

Albumin; Imaging; Middle cerebral artery occlusion; Stroke; (Rat) (Liu, Y. (428) 193)

Neurotensin

Dopamine; Motivation; Locomotor activity; Open-field (Costa, F.G. (428) 97)

Parkinson's disease; 6-Hydroxydopamine (Boules, M. (428) 227)

Neurotoxicity

D-amphetamine; Sydnocarb; Neuroactive amino acid; Caudate-putamen; Microdialysis (Anderzhanova, E. (428) 87)

Neurotrophin

Airway; Glucocorticoid; Dexamethasone; Interleukin-1β; NGF (nerve growth factor); Inflammation; Asthma (Pons, F. (428) 365)

Neutrophil, human

Fluoroquinolone; Host defense; Grepafloxacin (Niwa, M. (428) 121)

NG108-15 cell

Muscarinic receptor; Green fluorescent protein; Intracellular trafficking (Madziva, M.T. (428) 9)

NGF (nerve growth factor)

Airway; Glucocorticoid; Dexamethasone; Interleukin-1β; Neurotrophin; Inflammation; Asthma (Pons, F. (428) 365)

Nicotine

Nornicotine; Nicotinic receptor; Desensitization; Dopamine release; Striatum, rat (Dwoskin, L.P. (428) 69)

Nicotinic receptor

Nornicotine; Nicotine; Desensitization; Dopamine release; Striatum, rat (Dwoskin, L.P. (428) 69)

Nitrate

Stop-flow experiment; Nitric oxide (NO); Distal, tubule; L-Nitro arginine (Rahman, M. (428) 113)

Nitric oxide (NO)

Bladder; Acetylcholine (Miyamoto, Y. (428) 59)

Stop-flow experiment; Nitrate; Distal, tubule; L-Nitro arginine (Rahman, M. (428) 113)

Anteroventral third ventricle region; Hemorrhagic shock; L-Citrulline; N^G-nitro-L-arginine methylester (L-NAME); Microdialysis; Muscarinic receptor; Oxotremorine; (Rat) (Gören, M.Z. (428) 261)

Angiotensin II; Prostanoid; Prostaglandin; (Rat) (Schuijt, M.P. (428) 331)

L-Nitro arginine

Stop-flow experiment; Nitric oxide (NO); Nitrate; Distal, tubule (Rahman, M. (428) 113)

NMDA receptor antagonist, functional

Visual discrimination; Microinfusion; Cortex, temporal; Cortex, entorhinal; Memory; (Rat) (Myhrer, T. (428) 323)

NO 711

Dopamine neuron; γ-Aminobutyric acid (GABA) transporter; Isoguvacine; L-Arginine; Muscimol (Shen, K.-Z. (428) 1)

Nociceptin/orphanin FQ

Opioid receptor; ORL1 receptor; Structure activity; [³⁵S]GTPγS binding (Zaveri, N. (428) 29)

Nonadrenergic noncholinergic (NANC) relaxation

Orexin A; Small intestine, mouse (Satoh, Y. (428) 337)

Noradrenaline

Fructose-fed, mouse; Contraction; Endothelium; Insulin-resistance; Aorta (Kamata, K. (428) 241)

Nornicotine

Nicotine; Nicotinic receptor; Desensitization; Dopamine release; Striatum, rat (Dwoskin, L.P. (428) 69)

Oleanonic acid

Inflammation; Leukotriene; Skin; Triterpenoid; (*Pistacia terebinthus*) (Giner-Larza, E.M. (428) 137)

Oncogene expression

Indapamide; Vascular smooth muscle cell; Cell growth; DNA synthesis; Ca²⁺, ERK1/2 (extracellular signal regulated kinase 1/2); MAP (mitogen-activated protein) kinase (p44/p42) (Ganado, P. (428) 19)

Open-field

Neurotensin; Dopamine; Motivation; Locomotor activity (Costa, F.G. (428) 97)

Opioid receptor

ORL1 receptor; Nociceptin/orphanin FQ; Structure activity; [³⁵S]GTPγS binding (Zaveri, N. (428) 29)

Antisense oligodeoxynucleotide; Gastrointestinal transit; Inflammation; Intestinal permeability; Intestine (Pol, O. (428) 127)

Oral administration

JTV-803; Coagulation; Factor Xa (Hayashi, M. (428) 163)

Orexin A

Small intestine, mouse; Nonadrenergic noncholinergic (NANC) relaxation (Satoh, Y. (428) 337)

ORL1 receptor

Opioid receptor; Nociceptin/orphanin FQ; Structure activity; [³⁵S]GTP-γS binding (Zaveri, N. (428) 29)

Osteoporosis

Vitamin D3; Stroke-prone spontaneously hypertensive, rat; Chronotherapy (Tsuruoka, S. (428) 287)

Oxidative stress

Free radical; Iron chelator; Lipid peroxidation; Mitochondria; Pyridoxal isonicotinoyl hydrazone (Santos, N.C.F. (428) 37)

Oxotremorine

Anteroventral third ventricle region; Hemorrhagic shock; L-Citrulline; N^G-nitro-L-arginine methylester (L-NAME); Microdialysis; Muscarinic receptor; Nitric oxide (NO); (Rat) (Gören, M.Z. (428) 261)

Oxytocin

Sildenafil; Prostaglandin E₂; Acetylcholine; Guanylyl cyclase; Methylene blue; Uterus; (Rat) (Agha, A.M. (428) 343)

Parkinson's disease

Neurotensin; 6-Hydroxydopamine (Boules, M. (428) 227)

Penile erection

Phosphodiesterase type 5 inhibitor; FR226807 (Hosogai, N. (428) 295)

Pentylenetetrazol

Acute subdural hematoma; Amphetamine; Apomorphine; Behavioral stereotypy; Body temperature; Drug discrimination; Intracranial self-stimulation; Middle cerebral artery occlusion; MK-801; Phencyclidine; Prepulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

Phencyclidine

Acute subdural hematoma; Amphetamine; Apomorphine; Behavioral stereotypy; Body temperature; Drug discrimination; Intracranial self-stimulation; Middle cerebral artery occlusion; MK-801; Pentylenetetrazol; Prepulse inhibition; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

Phosphodiesterase inhibitor

Diazepam; cAMP; Benzodiazepine receptor; Isoprenaline; Aortic ring, rat (Galindo, A. (428) 269)

Phosphodiesterase type 5 inhibitor

Penile erection; FR226807 (Hosogai, N. (428) 295)

Pinealectomy

Leptin; Melatonin; (Rat) (Canpolat, S. (428) 145)

Prepulse inhibition

Acute subdural hematoma; Amphetamine; Apomorphine; Behavioral stereotypy; Body temperature; Drug discrimination; Intracranial self-stimulation; Middle cerebral artery occlusion; MK-801; Phencyclidine; Pentylenetetrazol; Sensorimotor gating; (Mouse); (Rat) (De Vry, J. (428) 203)

Prostaglandin

Angiotensin II; Prostanoid; Nitric oxide (NO); (Rat) (Schuijt, M.P. (428) 331)

Prostaglandin E₂

Sildenafil; Oxytocin; Acetylcholine; Guanylyl cyclase; Methylene blue; Uterus; (Rat) (Agha, A.M. (428) 343)

Prostanoid

Angiotensin II; Prostaglandin; Nitric oxide (NO); (Rat) (Schuijt, M.P. (428) 331)

Purinoceptor

Muscarinic receptor subtype; Urinary bladder; (Rat) (Giglio, D. (428) 357)

Pyridoxal isonicotinoyl hydrazone

Free radical; Iron chelator; Lipid peroxidation; Mitochondria; Oxidative stress (Santos, N.C.F. (428) 37)

Relapse

Lithium chloride; G_{olf}; Striatum; G-γ₇; Adenylyl cyclase; Manic-depressive illness (Miki, M. (428) 303)

Relaxation

Hyperthyroidism; Corpus cavernosum; Contraction (Özdemirci, S. (428) 105)

Renal tubule

Hypoglycaemia; Chloroquine; Gluconeogenesis; Hepatocyte (Jarzyna, R. (428) 381)

Reperfusion, (Rat)

Calcium dobesilate; Diabetic retinopathy; Na⁺; K⁺; Ca²⁺; Antioxidant; Retina; Ischemia (Szabo, M.E. (428) 277)

Retina

Calcium dobesilate; Diabetic retinopathy; Na⁺; K⁺; Ca²⁺; Antioxidant; Ischemia; Reperfusion, (Rat) (Szabo, M.E. (428) 277)

S16924

5-HT_{1A} receptor; WAY100,635; Inverse agonist; Clozapine; Antipsychotic (Newman-Tancredi, A. (428) 177)

SCH 50911 and CGP 46381

γ-Hydroxybutyric acid (GHB); Sedative/hypnotic effect; GHB receptor antagonist; NCS-382; GABA_B receptor antagonists; (DBA mouse) (Carai, M.A.M. (428) 315)

Sedative/hypnotic effect

γ-Hydroxybutyric acid (GHB); GHB receptor antagonist; NCS-382; GABA_B receptor antagonists; SCH 50911 and CGP 46381; (DBA mouse) (Carai, M.A.M. (428) 315)

Seizure

Cannabinoid; Epilepsy; Maximal electroshock; Cannabinoid CB₁ receptor (Wallace, M.J. (428) 51)

Sensorimotor gating

Acute subdural hematoma; Amphetamine; Apomorphine; Behavioral stereotypy; Body temperature; Drug discrimination; Intracranial self-stimulation; Middle cerebral artery occlusion; MK-801; Phencyclidine; Pentylenetetrazol; Prepulse inhibition; (Mouse); (Rat) (De Vry, J. (428) 203)

Sexual behaviour

Corticosterone; Ketanserin; Wet-dog shake; 5-HT_{2A} receptor (Gorzalka, B.B. (428) 235)

[³⁵S]GTP-γS binding

Opioid receptor; ORL1 receptor; Nociceptin/orphanin FQ; Structure activity (Zaveri, N. (428) 29)

Sildenafil

Prostaglandin E₂; Oxytocin; Acetylcholine; Guanylyl cyclase; Methylene blue; Uterus; (Rat) (Agha, A.M. (428) 343)

Skin

Oleanonic acid; Inflammation; Leukotriene; Triterpenoid; (*Pistacia terebinthus*) (Giner-Larza, E.M. (428) 137)

Small intestine, mouse

Orexin A; Nonadrenergic noncholinergic (NANC) relaxation (Satoh, Y. (428) 337)

Smooth muscle contractility

WIN 17317-3; K⁺ channel (Vianna-Jorge, R. (428) 45)

Smooth muscle, vascular

Cytosolic alkalosis; Na⁺/H⁺ exchange; Ammonium chloride; Ca²⁺ channel, receptor-operated; Adrenoceptor agonist (Wakabayashi, I. (428) 251)

Stop-flow experiment

Nitric oxide (NO); Nitrate; Distal, tubule; L-Nitro arginine (Rahman, M. (428) 113)

Striatum

Lithium chloride; G_{olf}; Gγ₇; Adenylyl cyclase; Relapse; Manic–depressive illness (Miki, M. (428) 303)

Striatum, rat

Nornicotine; Nicotine; Nicotinic receptor; Desensitization; Dopamine release (Dwoskin, L.P. (428) 69)

Stroke

Antioxidant; Melatonin; Middle cerebral artery occlusion; (Rat) (Sinha, K. (428) 185)

Albumin; Imaging; Middle cerebral artery occlusion; Neuroprotection; (Rat) (Liu, Y. (428) 193)

Stroke-prone spontaneously hypertensive, rat

Vitamin D3; Osteoporosis; Chronotherapy (Tsuruoka, S. (428) 287)

Structure activity

Opioid receptor; ORL1 receptor; Nociceptin/orphanin FQ; [³⁵S]GTPγS binding (Zaveri, N. (428) 29)

Substance P

CP-99, 994; CP-100, 263; Tachykinin NK₁ receptor antagonist; Antiemetic activity; Abdominal afferent nerve activity; Granisetron (Minami, M. (428) 215)

Sydnocarb

D-amphetamine; Neuroactive amino acid; Neurotoxicity; Caudate-putamen; Microdialysis (Anderzhanova, E. (428) 87)

Tachykinin NK₁ receptor antagonist

CP-99, 994; CP-100, 263; Antiemetic activity; Abdominal afferent nerve activity; Granisetron; Substance P (Minami, M. (428) 215)

Tardive dyskinesia

Vacuous chewing movement; Neuroleptic; 5-HT_{1A} receptor; 5-HT_{2A/2C} receptor (Naidu, P.S. (428) 81)

T cell

Trapidil; Monocyte; Tissue factor; Matrix metalloproteinase; Monocyte chemoattractant protein-1 (MCP-1) (Kato, Y. (428) 371)

Tissue factor

Trapidil; Monocyte; T cell; Matrix metalloproteinase; Monocyte chemoattractant protein-1 (MCP-1) (Kato, Y. (428) 371)

Tranylcypromine

Imidazoline I₂ site; [³H]2-BFI([³H]-2-(-2-benzofuranyl)-2-imidazoline; Autoradiography; Brain; (Rat) (MacInnes, N. (428) 221)

Trapidil

Monocyte; T cell; Tissue factor; Matrix metalloproteinase; Monocyte chemoattractant protein-1 (MCP-1) (Kato, Y. (428) 371)

Triterpenoid

Oleanonic acid; Inflammation; Leukotriene; Skin; (*Pistacia terebinthus*) (Giner-Larza, E.M. (428) 137)

Urinary bladder

Muscarinic receptor subtype; Purinoceptor; (Rat) (Giglio, D. (428) 357)

Uterus

Sildenafil; Prostaglandin E₂; Oxytocin; Acetylcholine; Guanylyl cyclase; Methylene blue; (Rat) (Agha, A.M. (428) 343)

Vacuous chewing movement

Tardive dyskinesia; Neuroleptic; 5-HT_{1A} receptor; 5-HT_{2A/2C} receptor (Naidu, P.S. (428) 81)

Vanilloid receptor

Gastric acid secretion; Capsaicin; Central injection; (Rat) (Minowa, S. (428) 349)

Vascular smooth muscle cell

Indapamide; Cell growth; DNA synthesis; Ca²⁺, ERK1/2 (extracellular signal regulated kinase 1/2); MAP (mitogen-activated protein) kinase (p44/p42); Oncogene expression (Ganado, P. (428) 19)

Visual discrimination

NMDA receptor antagonist, functional; Microinfusion; Cortex, temporal; Cortex, entorhinal; Memory; (Rat) (Myhrer, T. (428) 323)

Vitamin D3

Osteoporosis; Stroke-prone spontaneously hypertensive, rat; Chronotherapy (Tsuruoka, S. (428) 287)

WAY100,635

5-HT_{1A} receptor; Inverse agonist; Clozapine; S16924; Antipsychotic (Newman-Tancredi, A. (428) 177)

Wet-dog shake

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WIN 17317-3

K⁺ channel; Smooth muscle contractility (Vianna-Jorge, R. (428) 45)