

Keyword index

ACEA-1011

Myoclonus; Hypoxia; NMDA (*N*-methyl-D-aspartate); Ischemia; HA-966; ACEA-1021; Glycine (Matsumoto, R.R. (275) 117)

ACEA-1021

Myoclonus; Hypoxia; NMDA (*N*-methyl-D-aspartate); Ischemia; HA-966; ACEA-1011; Glycine (Matsumoto, R.R. (275) 117)

Acetylcholine

Renal artery, rat; Endothelium-dependent contraction; Arachidonic acid metabolite (Nishimura, Y. (275) 217)

Mammillary complex; Memory; Retention; Dopamine; Norepinephrine; NMDA (*N*-methyl-D-aspartate); Nicotine; Neuropeptide Y; GABA (γ -aminobutyric acid); (Mouse) (Flood, J.F. (275) 223)

ACTH-(1–24)

Hypovolemia; Hemorrhagic shock; (Conscious rabbit) (Ludbrook, J. (275) 267)

Adenosine A₃ receptor

Seizure; Protection; (Mouse) (Von Lubitz, D.K.J.E. (275) 23)

Adenosine release

Nitric oxide (NO); Ventral striatum, rat (Fischer, H. (275) R5)

β -Adrenoceptor

Calcitonin; NMDA (*N*-methyl-D-aspartate); Aversive behavior; 5-HT receptor; GABA receptor (Maeda, Y. (275) 163)

β_2 -Adrenoceptor

β_3 -Adrenoceptor; Electrical field stimulation; Cholinergic contraction; NANC (non-adrenergic non-cholinergic) contraction; Bronchus, main, guinea pig (Ten Berge, R.E.J. (275) 199)

β_3 -Adrenoceptor

β_2 -Adrenoceptor; Electrical field stimulation; Cholinergic contraction; NANC (non-adrenergic non-cholinergic) contraction; Bronchus, main, guinea pig (Ten Berge, R.E.J. (275) 199)

β -Adrenoceptor-mediated relaxation

Muscarinic M₂ receptor; Smooth muscle, human, bronchial (Watson, N. (275) 307)

Afferent nerve

Blood flow; 5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole acetic acid); Dopamine; Gingiva; Dental pulp; Sympathetic nerve; (Rat) (Kerezoudis, N.P. (275) 191)

Airway human

Leukotriene; Anti-immunoglobulin E; Contraction; Cysteinyl leukotriene receptor antagonist (Gorenne, I. (275) 207)

Airway inflammation

Phosphodiesterase inhibitor; Bronchial hyperreactivity; Early and late asthmatic reaction; (Guinea pig, allergic) (Santing, R.E. (275) 75)

Ambulation, mouse

Morphine; Sensitization; μ -Opioid receptor; Dopamine receptor (Kuribara, H. (275) 251)

Amphetamine

Cocaine; Locomotor activity; Microdialysis, in vivo; Opioid receptor antagonist; Dopamine; Striatum; Nucleus accumbens (Schad, C.A. (275) 9)

***n*-Amphetamine**

(–)-DS121; Dopamine autoreceptor antagonist; Dopamine D₃ receptor; Cocaine; Drug discrimination; Caffeine (Clark, D. (275) 67)

Analgesia

Antisense oligodeoxynucleotide; μ -Opioid receptor; Cold water tail-flick test; (Rat) (Chen, X.-H. (275) 105)

Angiotensin AT₁ receptor

Angiotensin AT₂ receptor; Losartan; PD 123177; Vasopressin; Drinking response (Höhle, S. (275) 277)

Angiotensin AT₂ receptor

Angiotensin AT₁ receptor; Losartan; PD 123177; Vasopressin; Drinking response (Höhle, S. (275) 277)

Aniracetam

NMDA (*N*-methyl-D-aspartate); Hippocampus (Pizzi, M. (275) 311)

Anti-immunoglobulin E

Airway human; Leukotriene; Contraction; Cysteinyl leukotriene receptor antagonist (Gorenne, I. (275) 207)

Antinociception

Benzodiazepine; Nociceptive test; Opioid; (Intracerebroventricular); (Intrathecal) (Luger, T.J. (275) 153)

Antinociceptive effect

Dihydroetorphine; Diabetes; Opioid receptor; (Mouse) (Kamei, J. (275) 109)

Antisense oligodeoxynucleotide

Analgesia; μ -Opioid receptor; Cold water tail-flick test; (Rat) (Chen, X.-H. (275) 105)

Apomorphine

5-HT (5-hydroxytryptamine, serotonin); Grooming, excessive; Penile erection; Oxytocin; Prolactin; Corticosterone; 5-HT_{2C} receptor; m-CPP (1-3-chlorophenylpiperazine); Hypothalamic paraventricular nucleus (Bagdy, G. (275) 301)

Arachidonic acid metabolite

Acetylcholine; Renal artery, rat; Endothelium-dependent contraction (Nishimura, Y. (275) 217)

Astrocyte

Endothelin; Big-endothelin; Endothelin-converting enzyme; Brain; Phospholipase A₂ (Deschepper, C.F. (275) 61)

Aversive behavior

Calcitonin; NMDA (*N*-methyl-D-aspartate); β -Adrenoceptor; 5-HT receptor; GABA receptor (Maeda, Y. (275) 163)

Bacterial lipopolysaccharide

Nitric oxide synthase, inducible; *N*^G-Hydroxy-L-arginine (Hecker, M. (275) R1)

Behavioral sensitization

Dopamine D₁ receptor; Dopamine D₂ receptor; Nucleus accumbens; Ventral tegmental area; Drug addiction (Jeziorski, M. (275) 235)

Benzodiazepine

Antinociception; Nociceptive test; Opioid; (Intracerebroventricular); (Intrathecal) (Luger, T.J. (275) 153)

Big-endothelin

Endothelin; Endothelin-converting enzyme; Brain; Astrocyte; Phospholipase A₂ (Deschepper, C.F. (275) 61)

Blood flow

Afferent nerve; 5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole acetic acid); Dopamine; Gingiva; Dental pulp; Sympathetic nerve; (Rat) (Kerezoudis, N.P. (275) 191)

Blood flow regulation

Pancreatic islet; Pancreas transplantation; Nitric oxide (NO) synthase; Nitric oxide (NO) (Svensson, A.M. (275) 99)

Blood flow, vertebral artery

PACAP (pituitary adenylate cyclase-activating polypeptide); Cerebral artery, canine; VIP (vasoactive intestinal peptide); Vasodilation (Seki, Y. (275) 259)

Brain

Endothelin; Big-endothelin; Endothelin-converting enzyme; Astrocyte; Phospholipase A₂ (Deschepper, C.F. (275) 61)

Bronchial hyperreactivity

Phosphodiesterase inhibitor; Airway inflammation; Early and late asthmatic reaction; (Guinea pig, allergic) (Santing, R.E. (275) 75)

Bronchus, human

Contraction; Histamine; Protein kinase C; GF 109203X; Phorbol ester (Yang, K.X.F. (275) 283)

Bronchus, main, guinea pig

β_2 -Adrenoceptor; β_3 -Adrenoceptor; Electrical field stimulation; Cholinergic contraction; NANC (non-adrenergic non-cholinergic) contraction (Ten Berge, R.E.J. (275) 199)

BW A868C

DP receptor; 572C85; Intraocular pressure; (Rabbit); (Cat) (Matsugi, T. (275) 245)

572C85

DP receptor; BW A868C; Intraocular pressure; (Rabbit); (Cat) (Matsugi, T. (275) 245)

Caffeine

(-)-DS121; Dopamine autoreceptor antagonist; Dopamine D₃ receptor; D-Amphetamine; Cocaine; Drug discrimination (Clark, D. (275) 67)

Calcitonin

NMDA (*N*-methyl-D-aspartate); Aversive behavior; β -Adrenoceptor; 5-HT receptor; GABA receptor (Maeda, Y. (275) 163)

CCK (cholecystokinin)

Cerebral cortex; Glutamate; NMDA receptor; Seizure (Bandopadhyay, R. (275) 53)

Cerebral artery, canine

PACAP (pituitary adenylate cyclase-activating polypeptide); Blood flow, vertebral artery; VIP (vasoactive intestinal peptide); Vasodilation (Seki, Y. (275) 259)

Cerebral cortex

CCK (cholecystokinin); Glutamate; NMDA receptor; Seizure (Bandopadhyay, R. (275) 53)

CGRP (calcitonin gene-related peptide)

Cisplatin; Peripheral neuropathy; 5-HT₃ antagonist (Whitaker-Azmitia, P.M. (275) 139)

Cholinergic activation

Colonic; Epithelia; Ion transport; Muscarinic receptor; [³H]*N*-Methylscopolamine (O'Malley, K.E. (275) 83)

Cholinergic contraction

β_2 -Adrenoceptor; β_3 -Adrenoceptor; Electrical field stimulation; NANC (non-adrenergic non-cholinergic) contraction; Bronchus, main, guinea pig (Ten Berge, R.E.J. (275) 199)

Cisplatin

Peripheral neuropathy; CGRP (calcitonin gene-related peptide); 5-HT₃ antagonist (Whitaker-Azmitia, P.M. (275) 139)

Cocaine

Amphetamine; Locomotor activity; Microdialysis, in vivo; Opioid receptor antagonist; Dopamine; Striatum; Nucleus accumbens (Schad, C.A. (275) 9)

(-)-DS121; Dopamine autoreceptor antagonist; Dopamine D₃ receptor; D-Amphetamine; Drug discrimination; Caffeine (Clark, D. (275) 67)

Cold water tail-flick test

Antisense oligodeoxynucleotide; Analgesia; μ -Opioid receptor; (Rat) (Chen, X.-H. (275) 105)

Colonic

Cholinergic activation; Epithelia; Ion transport; Muscarinic receptor; [³H]*N*-Methylscopolamine (O'Malley, K.E. (275) 83)

Colon, rat

Neurotensin; Neurotensin receptor; Gastrointestinal motility (Mulè, F. (275) 131)

Compound 48/80

Scratching; Itch; Pain; Substance P; Histamine (Kuraishi, Y. (275) 229)

Contraction

Airway human; Leukotriene; Anti-immunoglobulin E; Cysteinyl leukotriene receptor antagonist (Gorenne, I. (275) 207)

Histamine; Bronchus, human; Protein kinase C; GF 109203X; Phorbol ester (Yang, K.X.F. (275) 283)

Corticosterone

Apomorphine; 5-HT (5-hydroxytryptamine, serotonin); Grooming, excessive; Penile erection; Oxytocin; Prolactin; 5-HT_{2C} receptor; m-CPP (1-3-chlorophenylpiperazine); Hypothalamic paraventricular nucleus (Bagdy, G. (275) 301)

m-CPP (1-3-chlorophenylpiperazine)

Apomorphine; 5-HT (5-hydroxytryptamine, serotonin); Grooming, excessive; Penile erection; Oxytocin; Prolactin; Corticosterone; 5-HT_{2C} receptor; Hypothalamic paraventricular nucleus (Bagdy, G. (275) 301)

Cysteinyl leukotriene receptor antagonist

Airway human; Leukotriene; Anti-immunoglobulin E; Contraction (Gorenne, I. (275) 207)

Dental pulp

Afferent nerve; Blood flow; 5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole acetic acid); Dopamine; Gingiva; Sympathetic nerve; (Rat) (Kerezoudis, N.P. (275) 191)

Diabetes

Dihydroetorphine; Antinociceptive effect; Opioid receptor; (Mouse) (Kamei, J. (275) 109)

Dihydroetorphine

Diabetes; Antinociceptive effect; Opioid receptor; (Mouse) (Kamei, J. (275) 109)

Dopamine

σ Receptor ligand; Tyrosine hydroxylase; Turning; DTG (1,3-di-*o*-tolylguanidine) (Weiser, S.D. (275) 1)

Amphetamine; Cocaine; Locomotor activity; Microdialysis, in vivo; Opioid receptor antagonist; Striatum; Nucleus accumbens (Schad, C.A. (275) 9)

Afferent nerve; Blood flow; 5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole acetic acid); Gingiva; Dental pulp; Sympathetic nerve; (Rat) (Kerezoudis, N.P. (275) 191)

Mammillary complex; Memory; Retention; Acetylcholine; Norepinephrine; NMDA (*N*-methyl-D-aspartate); Nicotine; Neuropeptide Y; GABA (γ -aminobutyric acid); (Mouse) (Flood, J.F. (275) 223)

Dopamine D₃ receptor; Ventral tegmental area (Lejeune, F. (275) R7)

Dopamine autoreceptor antagonist

(-)-DS121; Dopamine D₃ receptor; D-Amphetamine; Cocaine; Drug discrimination; Caffeine (Clark, D. (275) 67)

Dopamine receptor

Morphine; Ambulation, mouse; Sensitization; μ -Opioid receptor (Kuribara, H. (275) 251)

Dopamine D₁ receptor

Behavioral sensitization; Dopamine D₂ receptor; Nucleus accumbens; Ventral tegmental area; Drug addiction (Jeziorski, M. (275) 235)

Dopamine D₂ receptor

Behavioral sensitization; Dopamine D₁ receptor; Nucleus accumbens; Ventral tegmental area; Drug addiction (Jeziorski, M. (275) 235)

Dopamine D₃ receptor

(-)-DS121; Dopamine autoreceptor antagonist; D-Amphetamine; Cocaine; Drug discrimination; Caffeine (Clark, D. (275) 67)

Ventral tegmental area; Dopamine (Lejeune, F. (275) R7)

DP receptor

572C85; BW A868C; Intraocular pressure; (Rabbit); (Cat) (Matsugi, T. (275) 245)

Drinking response

Angiotensin AT₁ receptor; Angiotensin AT₂ receptor; Losartan; PD 123177; Vasopressin (Höhle, S. (275) 277)

Drug addiction

Behavioral sensitization; Dopamine D₁ receptor; Dopamine D₂ receptor; Nucleus accumbens; Ventral tegmental area (Jeziorski, M. (275) 235)

Drug discrimination

(-)-DS121; Dopamine autoreceptor antagonist; Dopamine D₃ receptor; D-Amphetamine; Cocaine; Caffeine (Clark, D. (275) 67)

(-)-DS121

Dopamine autoreceptor antagonist; Dopamine D₃ receptor; D-Amphetamine; Cocaine; Drug discrimination; Caffeine (Clark, D. (275) 67)

DTG (1,3-di-*o*-tolylguanidine)

σ Receptor ligand; Tyrosine hydroxylase; Turning; Dopamine (Weiser, S.D. (275) 1)

Duodenum

Endothelin; Endothelin receptor subtype; IRL 1620; FR139317; RES-701-1; (Rat) (Irie, K. (275) 45)

Early and late asthmatic reaction

Phosphodiesterase inhibitor; Bronchial hyperreactivity; Airway inflammation; (Guinea pig, allergic) (Santing, R.E. (275) 75)

Efaroxan

Imidazoline; Imidazoline site; Insulin secretion; Vessel; Pancreas; Idazoxan; (Rat) (Berdeu, D. (275) 91)

Electrical field stimulation

β_2 -Adrenoceptor; β_3 -Adrenoceptor; Cholinergic contraction; NANC (non-adrenergic non-cholinergic) contraction; Bronchus, main, guinea pig (Ten Berge, R.E.J. (275) 199)

Endothelin

Endothelin receptor subtype; IRL 1620; FR139317; RES-701-1; Duodenum; (Rat) (Irie, K. (275) 45)

Big-endothelin; Endothelin-converting enzyme; Brain; Astrocyte; Phospholipase A₂ (Deschepper, C.F. (275) 61)

Endothelin-converting enzyme

Endothelin; Big-endothelin; Brain; Astrocyte; Phospholipase A₂ (Deschepper, C.F. (275) 61)

Endothelin receptor antagonist

Middle cerebral artery thrombosis; Modified tissue-type plasminogen activator; SUN9216; FR139317 (Umemura, K. (275) 17)

Endothelin receptor subtype

Endothelin; IRL 1620; FR139317; RES-701-1; Duodenum; (Rat) (Irie, K. (275) 45)

Endothelium-dependent contraction

Acetylcholine; Renal artery, rat; Arachidonic acid metabolite (Nishimura, Y. (275) 217)

Eosinophil cationic protein (ECP)

Interleukin-5; House dust mite; Fluticasone propionate, aqueous nasal spray; Rhinitis (Garrelds, I.M. (275) 295)

Epithelia

Cholinergic activation; Colonic; Ion transport; Muscarinic receptor; [³H]*N*-Methylscopolamine (O'Malley, K.E. (275) 83)

FK409

FR144420; Nitric oxide (NO) (Kita, Y. (275) 125)

Fluticasone propionate, aqueous nasal spray

Interleukin-5; Eosinophil cationic protein (ECP); House dust mite; Rhinitis (Garrelds, I.M. (275) 295)

Fluvoxamine

Opioid dependence; Paroxetine; Place conditioning; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, specific; Morphine (Rafieian-Kopaei, M. (275) 185)

FR139317

Middle cerebral artery thrombosis; Modified tissue-type plasminogen activator; SUN9216; Endothelin receptor antagonist (Umemura, K. (275) 17)

Endothelin; Endothelin receptor subtype; IRL 1620; RES-701-1; Duodenum; (Rat) (Irie, K. (275) 45)

FR144420

FK409; Nitric oxide (NO) (Kita, Y. (275) 125)

GABA (γ -aminobutyric acid)

Mammillary complex; Memory; Retention; Acetylcholine; Dopamine; Norepinephrine; NMDA (*N*-methyl-D-aspartate); Nicotine; Neuropeptide Y; (Mouse) (Flood, J.F. (275) 223)

GABA receptor

Calcitonin; NMDA (*N*-methyl-D-aspartate); Aversive behavior; β -Adrenoceptor; 5-HT receptor (Maeda, Y. (275) 163)

Gastric acid secretion

Histamine; *Helicobacter pylori*; Histamine chloramine (Asagoe, K. (275) 179)

Gastric fundus, rat

Hemoglobin; Hydroxocobalamin; Nitric oxide (NO); *N*^G-Nitro-L-arginine; NANC (non-adrenergic, non-cholinergic) nerve; Nitrosothiol (Jenkinson, K.M. (275) 145)

Gastrointestinal motility

Neurotensin; Neurotensin receptor; Colon, rat (Mulè, F. (275) 131)

GF 109203X

Contraction; Histamine; Bronchus, human; Protein kinase C; Phorbol ester (Yang, K.X.F. (275) 283)

Gingiva

Afferent nerve; Blood flow; 5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole acetic acid); Dopamine; Dental pulp; Sympathetic nerve; (Rat) (Kerezoudis, N.P. (275) 191)

Glutamate

CCK (cholecystokinin); Cerebral cortex; NMDA receptor; Seizure (Bandopadhyay, R. (275) 53)

Glycine

Myoclonus; Hypoxia; NMDA (*N*-methyl-D-aspartate); Ischemia; HA-966; ACEA-1011; ACEA-1021 (Matsumoto, R.R. (275) 117)

Grooming, excessive

Apomorphine; 5-HT (5-hydroxytryptamine, serotonin); Penile erection; Oxytocin; Prolactin; Corticosterone; 5-HT_{2C} receptor; m-CPP (1-3-chlorophenylpiperazine); Hypothalamic paraventricular nucleus (Bagdy, G. (275) 301)

HA-966

Myoclonus; Hypoxia; NMDA (*N*-methyl-D-aspartate); Ischemia; ACEA-1011; ACEA-1021; Glycine (Matsumoto, R.R. (275) 117)

Helicobacter pylori

Histamine; Histamine chloramine; Gastric acid secretion (Asagoe, K. (275) 179)

Hemoglobin

Gastric fundus, rat; Hydroxocobalamin; Nitric oxide (NO); *N*^G-Nitro-L-arginine; NANC (non-adrenergic, non-cholinergic) nerve; Nitrosothiol (Jenkinson, K.M. (275) 145)

Hemorrhagic shock

Hypovolemia; ACTH-(1–24); (Conscious rabbit) (Ludbrook, J. (275) 267)

5-HIAA (5-hydroxyindole acetic acid)

Afferent nerve; Blood flow; 5-HT (5-hydroxytryptamine, serotonin); Dopamine; Gingiva; Dental pulp; Sympathetic nerve; (Rat) (Kerezoudis, N.P. (275) 191)

Hippocampus

NMDA (*N*-methyl-D-aspartate); Aniracetam (Pizzi, M. (275) 311)

Histamine

Helicobacter pylori; Histamine chloramine; Gastric acid secretion (Asagoe, K. (275) 179)

Scratching; Itch; Pain; Compound 48/80; Substance P (Kuraishi, Y. (275) 229)

Contraction; Bronchus, human; Protein kinase C; GF 109203X; Phorbol ester (Yang, K.X.F. (275) 283)

Histamine chloramine

Histamine; *Helicobacter pylori*; Gastric acid secretion (Asagoe, K. (275) 179)

House dust mite

Interleukin-5; Eosinophil cationic protein (ECP); Fluticasone propionate, aqueous nasal spray; Rhinitis (Garrelds, I.M. (275) 295)

5-HT₃ antagonist

Cisplatin; Peripheral neuropathy; CGRP (calcitonin gene-related peptide) (Whitaker-Azmitia, P.M. (275) 139)

5-HT (5-hydroxytryptamine, serotonin)

Afferent nerve; Blood flow; 5-HIAA (5-hydroxyindole acetic acid); Dopamine; Gingiva; Dental pulp; Sympathetic nerve; (Rat) (Kerezoudis, N.P. (275) 191)

Apomorphine; Grooming, excessive; Penile erection; Oxytocin; Prolactin; Corticosterone; 5-HT_{2C} receptor; m-CPP (1-3-chlorophenylpiperazine); Hypothalamic paraventricular nucleus (Bagdy, G. (275) 301)

5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, specific
Opioid dependence; Paroxetine; Fluvoxamine; Place conditioning; Morphine (Rafieian-Kopaei, M. (275) 185)

5-HT receptor

Calcitonin; NMDA (*N*-methyl-D-aspartate); Aversive behavior; β -Adrenoceptor; GABA receptor (Maeda, Y. (275) 163)

5-HT_{2C} receptor

Apomorphine; 5-HT (5-hydroxytryptamine, serotonin); Grooming, excessive; Penile erection; Oxytocin; Prolactin; Corticosterone; m-CPP (1-3-chlorophenylpiperazine); Hypothalamic paraventricular nucleus (Bagdy, G. (275) 301)

Hydroxocobalamin

Gastric fundus, rat; Hemoglobin; Nitric oxide (NO); *N*^G-Nitro-L-arginine; NANC (non-adrenergic, non-cholinergic) nerve; Nitrosothiol (Jenkinson, K.M. (275) 145)

***N*^G-Hydroxy-L-arginine**

Bacterial lipopolysaccharide; Nitric oxide synthase, inducible (Hecker, M. (275) R1)

Hypothalamic paraventricular nucleus

Apomorphine; 5-HT (5-hydroxytryptamine, serotonin); Grooming, excessive; Penile erection; Oxytocin; Prolactin; Corticosterone; 5-HT_{2C} receptor; m-CPP (1-3-chlorophenylpiperazine) (Bagdy, G. (275) 301)

Hypovolemia

ACTH-(1-24); Hemorrhagic shock; (Conscious rabbit) (Ludbrook, J. (275) 267)

Hypoxia

Myoclonus; NMDA (*N*-methyl-D-aspartate); Ischemia; HA-966; ACEA-1011; ACEA-1021; Glycine (Matsumoto, R.R. (275) 117)

Idazoxan

Imidazoline; Imidazoline site; Insulin secretion; Vessel; Pancreas; Efaroxan; (Rat) (Berdeu, D. (275) 91)

Imidazoline

Imidazoline site; Insulin secretion; Vessel; Pancreas; Efaroxan; Idazoxan; (Rat) (Berdeu, D. (275) 91)

Imidazoline site

Imidazoline; Insulin secretion; Vessel; Pancreas; Efaroxan; Idazoxan; (Rat) (Berdeu, D. (275) 91)

Insulin secretion

Imidazoline; Imidazoline site; Vessel; Pancreas; Efaroxan; Idazoxan; (Rat) (Berdeu, D. (275) 91)

Interleukin-1

Interleukin-1 receptor antagonist; Prostaglandin E₂; 5-Lipoxygenase; Stomach, rat (Montuschi, P. (275) 31)

Interleukin-5

Eosinophil cationic protein (ECP); House dust mite; Fluticasone propionate, aqueous nasal spray; Rhinitis (Garrelds, I.M. (275) 295)

Interleukin-1 receptor antagonist

Interleukin-1; Prostaglandin E₂; 5-Lipoxygenase; Stomach, rat (Montuschi, P. (275) 31)

Intraocular pressure

DP receptor; 572C85; BW A868C; (Rabbit); (Cat) (Matsugi, T. (275) 245)

Ion transport

Cholinergic activation; Colonic; Epithelia; Muscarinic receptor; [³H]*N*-Methylscopolamine (O'Malley, K.E. (275) 83)

IRL 1620

Endothelin; Endothelin receptor subtype; FR139317; RES-701-1; Duodenum; (Rat) (Irie, K. (275) 45)

Ischemia

Myoclonus; Hypoxia; NMDA (*N*-methyl-D-aspartate); HA-966; ACEA-1011; ACEA-1021; Glycine (Matsumoto, R.R. (275) 117)

Itch

Scratching; Pain; Compound 48/80; Substance P; Histamine (Kuraishi, Y. (275) 229)

Labyrinthectomy, unilateral

Vestibular compensation; Methylprednisolone; Steroid (Jerram, A.H. (275) 291)

Leukotriene

Airway human; Anti-immunoglobulin E; Contraction; Cysteinyl leukotriene receptor antagonist (Gorenne, I. (275) 207)

5-Lipoxygenase

Interleukin-1 receptor antagonist; Interleukin-1; Prostaglandin E₂; Stomach, rat (Montuschi, P. (275) 31)

Locomotor activity

Amphetamine; Cocaine; Microdialysis, in vivo; Opioid receptor antagonist; Dopamine; Striatum; Nucleus accumbens (Schad, C.A. (275) 9)

Methamphetamine; Sensitization; Nitric oxide (NO); *N*^G-Nitro-L-arginine; *N*^G-Nitro-L-arginine methyl ester; NMDA receptor (Ohno, M. (275) 39)

Losartan

Angiotensin AT₁ receptor; Angiotensin AT₂ receptor; PD 123177; Vasopressin; Drinking response (Höhle, S. (275) 277)

Mammillary complex

Memory; Retention; Acetylcholine; Dopamine; Norepinephrine; NMDA (*N*-methyl-D-aspartate); Nicotine; Neuropeptide Y; GABA (γ -aminobutyric acid); (Mouse) (Flood, J.F. (275) 223)

Melatonin

Napping; Polysomnographic recording (Nave, R. (275) 213)

Memory

Mammillary complex; Retention; Acetylcholine; Dopamine; Norepinephrine; NMDA (*N*-methyl-D-aspartate); Nicotine; Neuropeptide Y; GABA (γ -aminobutyric acid); (Mouse) (Flood, J.F. (275) 223)

Methamphetamine

Locomotor activity; Sensitization; Nitric oxide (NO); *N*^G-Nitro-L-arginine; *N*^G-Nitro-L-arginine methyl ester; NMDA receptor (Ohno, M. (275) 39)

Methylprednisolone

Vestibular compensation; Steroid; Labyrinthectomy, unilateral (Jerram, A.H. (275) 291)

[³H]*N*-Methylscopolamine

Cholinergic activation; Colonic; Epithelia; Ion transport; Muscarinic receptor (O'Malley, K.E. (275) 83)

Microdialysis, in vivo

Amphetamine; Cocaine; Locomotor activity; Opioid receptor antagonist; Dopamine; Striatum; Nucleus accumbens (Schad, C.A. (275) 9)

Middle cerebral artery thrombosis

Modified tissue-type plasminogen activator; SUN9216; Endothelin receptor antagonist; FR139317 (Umemura, K. (275) 17)

Modified tissue-type plasminogen activator

Middle cerebral artery thrombosis; SUN9216; Endothelin receptor antagonist; FR139317 (Umemura, K. (275) 17)

Morphine

Opioid dependence; Paroxetine; Fluvoxamine; Place conditioning; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, specific (Rafieian-Kopaei, M. (275) 185)

Ambulation, mouse; Sensitization; μ -Opioid receptor; Dopamine receptor (Kuribara, H. (275) 251)

Motor activity

NMDA (*N*-methyl-D-aspartate); Theophylline; Reserpine; (Mouse) (Giménez-Llort, L. (275) 171)

Muscarinic receptor

Cholinergic activation; Colonic; Epithelia; Ion transport; [^3H]*N*-Methylscopolamine (O'Malley, K.E. (275) 83)

Muscarinic M₂ receptor

β -Adrenoceptor-mediated relaxation; Smooth muscle, human, bronchial (Watson, N. (275) 307)

Myoclonus

Hypoxia; NMDA (*N*-methyl-D-aspartate); Ischemia; HA-966; ACEA-1011; ACEA-1021; Glycine (Matsumoto, R.R. (275) 117)

NANC (non-adrenergic non-cholinergic) contraction

β_2 -Adrenoceptor; β_3 -Adrenoceptor; Electrical field stimulation; Cholinergic contraction; Bronchus, main, guinea pig (Ten Berge, R.E.J. (275) 199)

NANC (non-adrenergic, non-cholinergic) nerve

Gastric fundus, rat; Hemoglobin; Hydroxocobalamin; Nitric oxide (NO); *N*^G-Nitro-L-arginine; Nitrosothiol (Jenkinson, K.M. (275) 145)

Napping

Polysomnographic recording; Melatonin (Nave, R. (275) 213)

Neuropeptide Y

Mammillary complex; Memory; Retention; Acetylcholine; Dopamine; Norepinephrine; NMDA (*N*-methyl-D-aspartate); Nicotine; GABA (γ -aminobutyric acid); (Mouse) (Flood, J.F. (275) 223)

Neurotensin

Neurotensin receptor; Gastrointestinal motility; Colon, rat (Mulè, F. (275) 131)

Neurotensin receptor

Neurotensin; Gastrointestinal motility; Colon, rat (Mulè, F. (275) 131)

Nicotine

Mammillary complex; Memory; Retention; Acetylcholine; Dopamine; Norepinephrine; NMDA (*N*-methyl-D-aspartate); Neuropeptide Y; GABA (γ -aminobutyric acid); (Mouse) (Flood, J.F. (275) 223)

Nitric oxide (NO)

Methamphetamine; Locomotor activity; Sensitization; *N*^G-Nitro-L-arginine; *N*^G-Nitro-L-arginine methyl ester; NMDA receptor (Ohno, M. (275) 39)

Pancreatic islet; Pancreas transplantation; Nitric oxide (NO) synthase; Blood flow regulation (Svensson, A.M. (275) 99)

FR144420; FK409 (Kita, Y. (275) 125)

Gastric fundus, rat; Hemoglobin; Hydroxocobalamin; *N*^G-Nitro-L-arginine; NANC (non-adrenergic, non-cholinergic) nerve; Nitrosothiol (Jenkinson, K.M. (275) 145)

Adenosine release; Ventral striatum, rat (Fischer, H. (275) R5)

Nitric oxide (NO) synthase

Pancreatic islet; Pancreas transplantation; Nitric oxide (NO); Blood flow regulation (Svensson, A.M. (275) 99)

Nitric oxide synthase, inducible

Bacterial lipopolysaccharide; *N*^G-Hydroxy-L-arginine (Hecker, M. (275) R1)

***N*^G-Nitro-L-arginine**

Methamphetamine; Locomotor activity; Sensitization; Nitric oxide (NO); *N*^G-Nitro-L-arginine methyl ester; NMDA receptor (Ohno, M. (275) 39)

Gastric fundus, rat; Hemoglobin; Hydroxocobalamin; Nitric oxide (NO); NANC (non-adrenergic, non-cholinergic) nerve; Nitrosothiol (Jenkinson, K.M. (275) 145)

***N*^G-Nitro-L-arginine methyl ester**

Methamphetamine; Locomotor activity; Sensitization; Nitric oxide (NO); *N*^G-Nitro-L-arginine; NMDA receptor (Ohno, M. (275) 39)

Nitrosothiol

Gastric fundus, rat; Hemoglobin; Hydroxocobalamin; Nitric oxide (NO); *N*^G-Nitro-L-arginine; NANC (non-adrenergic, non-cholinergic) nerve (Jenkinson, K.M. (275) 145)

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

Mammillary complex; Memory; Retention; Acetylcholine; Dopamine; Norepinephrine; Nicotine; Neuropeptide Y; GABA (γ -aminobutyric acid); (Mouse) (Flood, J.F. (275) 223)

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

Myoclonus; Hypoxia; Ischemia; HA-966; ACEA-1011; ACEA-1021; Glycine (Matsumoto, R.R. (275) 117)

Calcitonin; Aversive behavior; β -Adrenoceptor; 5-HT receptor; GABA receptor (Maeda, Y. (275) 163)

Theophylline; Motor activity; Reserpine; (Mouse) (Giménez-Llort, L. (275) 171)

Aniracetam; Hippocampus (Pizzi, M. (275) 311)

NMDA receptor

Methamphetamine; Locomotor activity; Sensitization; Nitric oxide (NO); *N*^G-Nitro-L-arginine; *N*^G-Nitro-L-arginine methyl ester (Ohno, M. (275) 39)

CCK (cholecystokinin); Cerebral cortex; Glutamate; Seizure (Bandopadhyay, R. (275) 53)

Nociceptive test

Antinociception; Benzodiazepine; Opioid; (Intracerebroventricular); (Intrathecal) (Luger, T.J. (275) 153)

Norepinephrine

Mammillary complex; Memory; Retention; Acetylcholine; Dopamine; NMDA (*N*-methyl-D-aspartate); Nicotine; Neuropeptide Y; GABA (γ -aminobutyric acid); (Mouse) (Flood, J.F. (275) 223)

Nucleus accumbens

Amphetamine; Cocaine; Locomotor activity; Microdialysis, *in vivo*; Opioid receptor antagonist; Dopamine; Striatum (Schad, C.A. (275) 9)

Behavioral sensitization; Dopamine D₁ receptor; Dopamine D₂ receptor; Ventral tegmental area; Drug addiction (Jeziorski, M. (275) 235)

Opioid

Antinociception; Benzodiazepine; Nociceptive test; (Intracerebroventricular); (Intrathecal) (Luger, T.J. (275) 153)

Opioid dependence

Paroxetine; Fluvoxamine; Place conditioning; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, specific; Morphine (Rafieian-Kopaei, M. (275) 185)

Opioid receptor

Dihydroetorphine; Diabetes; Antinociceptive effect; (Mouse) (Kamei, J. (275) 109)

 μ -Opioid receptor

Antisense oligodeoxynucleotide; Analgesia; Cold water tail-flick test; (Rat) (Chen, X.-H. (275) 105)

Morphine; Ambulation, mouse; Sensitization; Dopamine receptor (Kuribara, H. (275) 251)

Opioid receptor antagonist

Amphetamine; Cocaine; Locomotor activity; Microdialysis, *in vivo*; Dopamine; Striatum; Nucleus accumbens (Schad, C.A. (275) 9)

Oxytocin

Apomorphine; 5-HT (5-hydroxytryptamine, serotonin); Grooming, excessive; Penile erection; Prolactin; Corticosterone; 5-HT_{2C} receptor; m-CPP (1-3-chlorophenylpiperazine); Hypothalamic paraventricular nucleus (Bagdy, G. (275) 301)

PACAP (pituitary adenylate cyclase-activating polypeptide)

Blood flow, vertebral artery; Cerebral artery, canine; VIP (vasoactive intestinal peptide); Vasodilation (Seki, Y. (275) 259)

Pain

Scratching; Itch; Compound 48/80; Substance P; Histamine (Kuraishi, Y. (275) 229)

Pancreas

Imidazoline; Imidazoline site; Insulin secretion; Vessel; Efaroxan; Idazoxan; (Rat) (Berdeu, D. (275) 91)

Pancreas transplantation

Pancreatic islet; Nitric oxide (NO) synthase; Nitric oxide (NO); Blood flow regulation (Svensson, A.M. (275) 99)

Pancreatic islet

Pancreas transplantation; Nitric oxide (NO) synthase; Nitric oxide (NO); Blood flow regulation (Svensson, A.M. (275) 99)

Paroxetine

Opioid dependence; Fluvoxamine; Place conditioning; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, specific; Morphine (Rafieian-Kopaei, M. (275) 185)

PD 123177

Angiotensin AT₁ receptor; Angiotensin AT₂ receptor; Losartan; Vasopressin; Drinking response (Höhle, S. (275) 277)

Penile erection

Apomorphine; 5-HT (5-hydroxytryptamine, serotonin); Grooming, excessive; Oxytocin; Prolactin; Corticosterone; 5-HT_{2C} receptor; m-CPP (1-3-chlorophenylpiperazine); Hypothalamic paraventricular nucleus (Bagdy, G. (275) 301)

Peripheral neuropathy

Cisplatin; CGRP (calcitonin gene-related peptide); 5-HT₃ antagonist (Whitaker-Azmitia, P.M. (275) 139)

Phorbol ester

Contraction; Histamine; Bronchus, human; Protein kinase C; GF 109203X (Yang, K.X.F. (275) 283)

Phosphodiesterase inhibitor

Bronchial hyperreactivity; Airway inflammation; Early and late asthmatic reaction; (Guinea pig, allergic) (Santing, R.E. (275) 75)

Phospholipase A₂

Endothelin; Big-endothelin; Endothelin-converting enzyme; Brain; Astrocyte (Deschepper, C.F. (275) 61)

Place conditioning

Opioid dependence; Paroxetine; Fluvoxamine; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, specific; Morphine (Rafieian-Kopaei, M. (275) 185)

Polysomnographic recording

Napping; Melatonin (Nave, R. (275) 213)

Prolactin

Apomorphine; 5-HT (5-hydroxytryptamine, serotonin); Grooming, excessive; Penile erection; Oxytocin; Corticosterone; 5-HT_{2C} receptor; m-CPP (1-3-chlorophenylpiperazine); Hypothalamic paraventricular nucleus (Bagdy, G. (275) 301)

Prostaglandin E₂

Interleukin-1 receptor antagonist; Interleukin-1; 5-Lipoxygenase; Stomach, rat (Montuschi, P. (275) 31)

Protection

Seizure; Adenosine A₃ receptor; (Mouse) (Von Lubitz, D.K.J.E. (275) 23)

Protein kinase C

Contraction; Histamine; Bronchus, human; GF 109203X; Phorbol ester (Yang, K.X.F. (275) 283)

 σ Receptor ligand

Tyrosine hydroxylase; Turning; Dopamine; DTG (1,3-di-*o*-tolylguanidine) (Weiser, S.D. (275) 1)

Renal artery, rat

Acetylcholine; Endothelium-dependent contraction; Arachidonic acid metabolite (Nishimura, Y. (275) 217)

RES-701-1

Endothelin; Endothelin receptor subtype; IRL 1620; FR139317; Duodenum; (Rat) (Irie, K. (275) 45)

Reserpine

NMDA (*N*-methyl-D-aspartate); Theophylline; Motor activity; (Mouse) (Giménez-Llort, L. (275) 171)

Retention

Mammillary complex; Memory; Acetylcholine; Dopamine; Nor-epinephrine; NMDA (*N*-methyl-D-aspartate); Nicotine; Neuropeptide Y; GABA (γ -aminobutyric acid); (Mouse) (Flood, J.F. (275) 223)

Rhinitis

Interleukin-5; Eosinophil cationic protein (ECP); House dust mite; Fluticasone propionate, aqueous nasal spray (Garrelds, I.M. (275) 295)

Scratching

Itch; Pain; Compound 48/80; Substance P; Histamine (Kuraishi, Y. (275) 229)

Seizure

Adenosine A₃ receptor; Protection; (Mouse) (Von Lubitz, D.K.J.E. (275) 23)

CCK (cholecystokinin); Cerebral cortex; Glutamate; NMDA receptor (Bandopadhyay, R. (275) 53)

Sensitization

Methamphetamine; Locomotor activity; Nitric oxide (NO); *N*^G-Nitro-L-arginine; *N*^G-Nitro-L-arginine methyl ester; NMDA receptor (Ohno, M. (275) 39)

Morphine; Ambulation, mouse; μ -Opioid receptor; Dopamine receptor (Kuribara, H. (275) 251)

Smooth muscle, human, bronchial

Muscarinic M₂ receptor; β -Adrenoceptor-mediated relaxation (Watson, N. (275) 307)

Steroid

Vestibular compensation; Methylprednisolone; Labyrinthectomy, unilateral (Jerram, A.H. (275) 291)

Stomach, rat

Interleukin-1 receptor antagonist; Interleukin-1; Prostaglandin E₂; 5-Lipoxygenase (Montuschi, P. (275) 31)

Striatum

Amphetamine; Cocaine; Locomotor activity; Microdialysis, in vivo; Opioid receptor antagonist; Dopamine; Nucleus accumbens (Schad, C.A. (275) 9)

Substance P

Scratching; Itch; Pain; Compound 48/80; Histamine (Kuraishi, Y. (275) 229)

SUN9216

Middle cerebral artery thrombosis; Modified tissue-type plasminogen activator; Endothelin receptor antagonist; FR139317 (Umemura, K. (275) 17)

Sympathetic nerve

Afferent nerve; Blood flow; 5-HT (5-hydroxytryptamine, serotonin); 5-HIAA (5-hydroxyindole acetic acid); Dopamine; Gingiva; Dental pulp; (Rat) (Kerezoudis, N.P. (275) 191)

Theophylline

NMDA (*N*-methyl-D-aspartate); Motor activity; Reserpine; (Mouse) (Giménez-Llort, L. (275) 171)

Turning

σ Receptor ligand; Tyrosine hydroxylase; Dopamine; DTG (1,3-di-*o*-tolylguanidine) (Weiser, S.D. (275) 1)

Tyrosine hydroxylase

σ Receptor ligand; Turning; Dopamine; DTG (1,3-di-*o*-tolylguanidine) (Weiser, S.D. (275) 1)

Vasodilation

PACAP (pituitary adenylate cyclase-activating polypeptide); Blood flow, vertebral artery; Cerebral artery, canine; VIP (vasoactive intestinal peptide) (Seki, Y. (275) 259)

Vasopressin

Angiotensin AT₁ receptor; Angiotensin AT₂ receptor; Losartan; PD 123177; Drinking response (Höhle, S. (275) 277)

Ventral striatum, rat

Nitric oxide (NO); Adenosine release (Fischer, H. (275) R5)

Ventral tegmental area

Behavioral sensitization; Dopamine D₁ receptor; Dopamine D₂ receptor; Nucleus accumbens; Drug addiction (Jeziorski, M. (275) 235)

Dopamine D₃ receptor; Dopamine (Lejeune, F. (275) R7)

Vessel

Imidazoline; Imidazoline site; Insulin secretion; Pancreas; Efaroxan; Idazoxan; (Rat) (Berdeu, D. (275) 91)

Vestibular compensation

Methylprednisolone; Steroid; Labyrinthectomy, unilateral (Jerram, A.H. (275) 291)

VIP (vasoactive intestinal peptide)

PACAP (pituitary adenylate cyclase-activating polypeptide); Blood flow, vertebral artery; Cerebral artery, canine; Vasodilation (Seki, Y. (275) 259)