

Keyword index

Adenosine

Purine; ATP; Nucleotide; Hippocampus; Suramin; Long-term potentiation (O'Kane, E.M. (409) 159)

Neonate; Cardiac myocyte; Ca^{2+} current, L-type; ATP; Purinoceptor (Suto, F. (409) 213)

Adenosine A_1 receptor antagonist

Dysmotility; Ischemia–reperfusion; Colon; RT-PCR (reverse transcription-polymerase chain reaction); (Rat) (Kadowaki, M. (409) 319)

Adipose tissue

Ethanol withdrawal; Hormone-sensitive lipase, cAMP; Phosphodiesterase (Shih, M.-F. (409) 223)

α_{1A} -Adrenoceptor

Adrenoceptor (Chang, R.S.L. (409) 301)

α_{1A} -Adrenoceptor antagonist

Prostate; Adrenoceptor subtype (Chang, R.S.L. (409) 301)

Adrenoceptor

α_{1A} -Adrenoceptor (Chang, R.S.L. (409) 301)

Adrenoceptor subtype

α_{1A} -Adrenoceptor antagonist; Prostate (Chang, R.S.L. (409) 301)

Aggressive behavior

Hypothalamo-pituitary-adrenal axis; Monoamine; Pertussis toxin; (Mouse) (Kim, D.-H. (409) 67)

Agonist coupling

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Taurine; β -Alanine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Airway hyperresponsiveness

TA-270; Asthmatic response; Bronchoalveolar eosinophilia (Aoki, Y. (409) 325)

β -Alanine

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; Taurine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Allergic conjunctivitis

Vascular permeability; Histamine H_1 receptors; 5-HT (5-hydroxytryptamine, serotonin); Histamine (Nakahara, H. (409) 313)

Amino acid

Dopamine; Guanidinoethyl sulfonate; Microdialysis; (Rat) (Olive, M.F. (409) 291)

Amylin, Amylin-(8-37)

Osteoblast, Human; CGRP (calcitonin gene-related peptide); CGRP-(8-37); Proliferation; cAMP (Villa, I. (409) 273)

Androgen

Aromatase inhibitor; Breast carcinoma; Oestrogen (Palma, C. (409) 93)

Antagonism

Bradykinin B_2 receptor; FR173657; FR190997; MEN 11270; Non-peptide (Meini, S. (409) 185)

Antidepressant

Forced swim test; 5-HT₄ receptor; SB 204070A; Fluoxetine (Cryan, J.F. (409) 295)

Antinociception

FR140423; Serotonergic system; 5-HT_{2A} receptor; 5-HT₃ receptor; Spinal cord; (Mice) (Ochi, T. (409) 167)

Antiplatelet vasodilating agent

Streptozotocin-diabetic, rat; Cilostazol; Phosphodiesterase inhibitor (Yamamoto, Y. (409) 1)

Anxiety

Fluvoxamine; Diazepam; Conditioned fear stress; Defensive freezing behavior; (Mouse) (Miyamoto, J. (409) 81)

Apoptosis

Cryptolepine; Neocryptolepine; Plant alkaloid; Topoisomerase II; Cytotoxicity (Dassonneville, L. (409) 9)

Droloxifene; Luteal cell; c-myc; bax; bcl-2; mRNA (Leng, Y. (409) 123)

Aromatase inhibitor

Breast carcinoma; Oestrogen; Androgen (Palma, C. (409) 93)

Arthritis

Y-39041; TNF- α (Tumor necrosis factor- α); Interleukin-10; Lipopolysaccharide (Hisadome, M. (409) 331)

Asthmatic response

TA-270; Bronchoalveolar eosinophilia; Airway hyperresponsiveness (Aoki, Y. (409) 325)

ATP

Purine; Adenosine; Nucleotide; Hippocampus; Suramin; Long-term potentiation (O'Kane, E.M. (409) 159)

Neonate; Cardiac myocyte; Ca^{2+} current, L-type; Adenosine; Purinoceptor (Suto, F. (409) 213)

ATP receptor

Enteric neuron; Submucosal neuron; Ca^{2+} ; Receptor; P2X receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

Atrium, right

YM-31636; 5-HT₃ receptor agonist; Colon, distal; (Guinea pig) (Ito, H. (409) 195)

bax

Droloxifene; Luteal cell; Apoptosis; *c-myc*; *bcl-2*; mRNA (Leng, Y. (409) 123)

bcl-2

Droloxifene; Luteal cell; Apoptosis; *c-myc*; *bax*; mRNA (Leng, Y. (409) 123)

Behaviour

Phencyclidine; Nitric oxide (NO); *N*^G-nitro-L-arginine methyl ester; *c-fos*; (Rat) (Bujas-Bobanovic, M. (409) 57)

Benzodiazepine

Dopamine; Licking behaviour; Bout structure; Palatability (Higgs, S. (409) 73)

Benzodiazepine receptor

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Bombesin

FLIPR (Fluorescent imaging plate reader); Chinese hamster ovary (Brough, S.J. (409) 259)

Bout structure

Benzodiazepine; Dopamine; Licking behaviour; Palatability (Higgs, S. (409) 73)

Bradykinin B₂ receptor

Antagonism; FR173657; FR190997; MEN 11270; Non-peptide (Meini, S. (409) 185)

Brain regional heterogeneity

GABA_A receptor subtype; [³⁵S]TBPS binding; Agonist coupling; Tau-rine; β-Alanine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Breast carcinoma

Aromatase inhibitor; Oestrogen; Androgen (Palma, C. (409) 93)

Bronchoalveolar eosinophilia

TA-270; Asthmatic response; Airway hyperresponsiveness (Aoki, Y. (409) 325)

Ca²⁺

Enteric neuron; Submucosal neuron; ATP receptor; Receptor; P2X receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

Ca²⁺ current, L-type

Neonate; Cardiac myocyte; Adenosine; ATP; Purinoceptor (Suto, F. (409) 213)

Ca²⁺, cytosolic

Neuromedin B receptor antagonist, nonpeptide; *c-fos* mRNA; Focal adhesion kinase; Proliferation (Moody, T.W. (409) 133)

cAMP

Osteoblast, Human; CGRP (calcitonin gene-related peptide); CGRP-(8-37); Amylin, Amylin-(8-37); Proliferation (Villa, I. (409) 273)

cAMP phosphodiesterase

Insulin; Primary culture of hepatocyte; Tyrosine phosphorylation; Microtubule; Wortmannin; Herbimycin A (Ishibashi, K. (409) 109)

Cannabinoid receptor agonist

WIN 55212-2; Cannabinoid receptor antagonist; SR14716A; Ileum; Electrical field stimulation; Short-circuit current, (Rat) (Tyler, K. (409) 207)

Cannabinoid receptor antagonist

Cannabinoid receptor agonist; WIN 55212-2; SR14716A; Ileum; Electrical field stimulation; Short-circuit current, (Rat) (Tyler, K. (409) 207)

Cardiac myocyte

Neonate; Ca²⁺ current, L-type; Adenosine; ATP; Purinoceptor (Suto, F. (409) 213)

CART (cocaine- and amphetamine-regulated transcript)

TRH (thyrotropin releasing hormone); Dopamine; Norepinephrine; Synaptosome; Hypothalamus (Brunetti, L. (409) 103)

Central nervous system

TC-2559; Nicotinic receptor; Cognition (Bencherif, M. (409) 45)

Central/peripheral

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

c-fos

Phencyclidine; Nitric oxide (NO); *N*^G-nitro-L-arginine methyl ester; Behaviour; (Rat) (Bujas-Bobanovic, M. (409) 57)

***c-fos* mRNA**

Neuromedin B receptor antagonist, nonpeptide; Ca²⁺, cytosolic; Focal adhesion kinase; Proliferation (Moody, T.W. (409) 133)

CGRP-(8-37)

Osteoblast, Human; CGRP (calcitonin gene-related peptide); Amylin, Amylin-(8-37); Proliferation; cAMP (Villa, I. (409) 273)

CGRP (calcitonin gene-related peptide)

Osteoblast, Human; CGRP-(8-37); Amylin, Amylin-(8-37); Proliferation; cAMP (Villa, I. (409) 273)

Chemokine

G-protein coupled receptor; Receptor coupling; HIV (human immunodeficiency virus) (Di Salvo, J. (409) 143)

Chinese hamster ovary

Bombesin; FLIPR (Fluorescent imaging plate reader) (Brough, S.J. (409) 259)

Chronic pain

5-HT (5-hydroxytryptamine, serotonin); Spinal cord; Paw pressure test; (Rat) (Bardin, L. (409) 37)

c-Jun N-terminal kinase

LL-Z1640-2; Radicol; Mitogen-activated protein kinases; HgCl₂ (Matsuoka, M. (409) 155)

Cilostazol

Streptozotocin-diabetic, rat; Antiplatelet vasodilating agent; Phosphodiesterase inhibitor (Yamamoto, Y. (409) 1)

c-myc

Droloxifene; Luteal cell; Apoptosis; bax; bcl-2; mRNA (Leng, Y. (409) 123)

Cognition

TC-2559; Nicotinic receptor; Central nervous system (Bencherif, M. (409) 45)

Colon

Dysmotility; Ischemia–reperfusion; Adenosine A₁ receptor antagonist; RT-PCR (reverse transcription-polymerase chain reaction); (Rat) (Kadowaki, M. (409) 319)

Colon, distal

YM-31636; 5-HT₃ receptor agonist; Atrium, right; (Guinea pig) (Ito, H. (409) 195)

Conditioned fear stress

Fluvoxamine; Diazepam; Anxiety; Defensive freezing behavior; (Mouse) (Miyamoto, J. (409) 81)

Cryptolepine

Neocryptolepine; Plant alkaloid; Topoisomerase II; Cytotoxicity; Apoptosis (Dassonneville, L. (409) 9)

Cytotoxicity

Cryptolepine; Neocryptolepine; Plant alkaloid; Topoisomerase II; Apoptosis (Dassonneville, L. (409) 9)

Defensive freezing behavior

Fluvoxamine; Diazepam; Anxiety; Conditioned fear stress; (Mouse) (Miyamoto, J. (409) 81)

Depolarization

Nitric oxide (NO); Mesenteric bed; *N*^ω-nitro-L-arginine methyl ester; KCl; Nitric oxide (NO) synthase (Mendizabal, V.E. (409) 85)

Development

Neurosteroid; P19 cell (Grobin, A.C. (409) R1)

Diazepam

Fluvoxamine; Anxiety; Conditioned fear stress; Defensive freezing behavior; (Mouse) (Miyamoto, J. (409) 81)

Dopamine

Benzodiazepine; Licking behaviour; Bout structure; Palatability (Higgs, S. (409) 73)

CART (cocaine- and amphetamine-regulated transcript); TRH (thyrotropin releasing hormone); Norepinephrine; Synaptosome; Hypothalamus (Brunetti, L. (409) 103)

Amino acid; Guanidinoethyl sulfonate; Microdialysis; (Rat) (Olive, M.F. (409) 291)

Droloxifene

Luteal cell; Apoptosis; c-myc; bax; bcl-2; mRNA (Leng, Y. (409) 123)

Dysmotility

Ischemia–reperfusion; Colon; Adenosine A₁ receptor antagonist; RT-PCR (reverse transcription-polymerase chain reaction); (Rat) (Kadowaki, M. (409) 319)

Electrical field stimulation

Cannabinoid receptor agonist; WIN 55212-2; Cannabinoid receptor antagonist; SR14716A; Ileum; Short-circuit current, (Rat) (Tyler, K. (409) 207)

Enteric neuron

Submucosal neuron; ATP receptor; Ca²⁺; Receptor; P2X receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

Ethanol

P2X₃ receptor; Trichloroethanol (Köles, L. (409) R3)

Ethanol withdrawal

Adipose tissue; Hormone-sensitive lipase, cAMP; Phosphodiesterase (Shih, M.-F. (409) 223)

Eticlopride

SCH23390; Species-specificity; Monoamine (Sandoval, V. (409) 265)

FLIPR (Fluorescent imaging plate reader)

Bombesin; Chinese hamster ovary (Brough, S.J. (409) 259)

Fluoxetine

Forced swim test; 5-HT₄ receptor; SB 204070A; Antidepressant (Cryan, J.F. (409) 295)

Fluvoxamine

Diazepam; Anxiety; Conditioned fear stress; Defensive freezing behavior; (Mouse) (Miyamoto, J. (409) 81)

Focal adhesion kinase

Neuromedin B receptor antagonist, nonpeptide; Ca²⁺, cytosolic; c-*fos* mRNA; Proliferation (Moody, T.W. (409) 133)

Forced swim test

5-HT₄ receptor; SB 204070A; Fluoxetine; Antidepressant (Cryan, J.F. (409) 295)

FR140423

Antinociception; Serotonergic system; 5-HT_{2A} receptor; 5-HT₃ receptor; Spinal cord; (Mice) (Ochi, T. (409) 167)

FR173657

Antagonism; Bradykinin B₂ receptor; FR190997; MEN 11270; Non-peptide (Meini, S. (409) 185)

FR190997

Antagonism; Bradykinin B₂ receptor; FR173657; MEN 11270; Non-peptide (Meini, S. (409) 185)

Fructose 2,6-bisphosphate

Troglitazone; Hepatocyte; Insulin; Thiazolidinedione (Raman, P. (409) 19)

GABA_A receptor subtype

Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; Tau-rine; β-Alanine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

G-protein coupled receptor

Chemokine; Receptor coupling; HIV (human immunodeficiency virus) (Di Salvo, J. (409) 143)

Guanidinoethyl sulfonate

Amino acid; Dopamine; Microdialysis; (Rat) (Olive, M.F. (409) 291)

Hepatocyte

Troglitazone; Fructose 2,6-bisphosphate; Insulin; Thiazolidinedione (Raman, P. (409) 19)

Herbimycin A

Insulin; Primary culture of hepatocyte; Tyrosine phosphorylation; cAMP phosphodiesterase; Microtubule; Wortmannin (Ishibashi, K. (409) 109)

HgCl₂

LL-Z1640-2; Radicol; Mitogen-activated protein kinases; c-Jun N-terminal kinase (Matsuoka, M. (409) 155)

Hippocampus

Purine; Adenosine; ATP; Nucleotide; Suramin; Long-term potentiation (O'Kane, E.M. (409) 159)

Histamine

Allergic conjunctivitis; Vascular permeability; Histamine H₁ receptors; 5-HT (5-hydroxytryptamine, serotonin) (Nakahara, H. (409) 313)

Histamine H₁ receptors

Allergic conjunctivitis; Vascular permeability; 5-HT (5-hydroxytryptamine, serotonin); Histamine (Nakahara, H. (409) 313)

HIV (human immunodeficiency virus)

Chemokine; G-protein coupled receptor; Receptor coupling (Di Salvo, J. (409) 143)

Hormone-sensitive lipase, cAMP

Ethanol withdrawal; Adipose tissue; Phosphodiesterase (Shih, M.-F. (409) 223)

5-HT (5-hydroxytryptamine, serotonin)

Chronic pain; Spinal cord; Paw pressure test; (Rat) (Bardin, L. (409) 37)

Allergic conjunctivitis; Vascular permeability; Histamine H₁ receptors; Histamine (Nakahara, H. (409) 313)

5-HT (5-hydroxytryptamine, serotonin) release

Microdialysis, in vivo; 5-HT_{1A} receptor; WAY 100635 (Assié, M.-B. (409) 173)

5-HT_{1A} receptor

Microdialysis, in vivo; 5-HT (5-hydroxytryptamine, serotonin) release; WAY 100635 (Assié, M.-B. (409) 173)

5-HT_{2A} receptor

FR140423; Antinociception; Serotonergic system; 5-HT₃ receptor; Spinal cord; (Mice) (Ochi, T. (409) 167)

5-HT₃ receptor

FR140423; Antinociception; Serotonergic system; 5-HT_{2A} receptor; Spinal cord; (Mice) (Ochi, T. (409) 167)

5-HT₄ receptor

Forced swim test; SB 20470A; Fluoxetine; Antidepressant (Cryan, J.F. (409) 295)

5-HT₃ receptor agonist

YM-31636; Colon, distal; Atrium, right; (Guinea pig) (Ito, H. (409) 195)

Hyperoxia

Lecithinized superoxide dismutase; Neutrophil elastase; ONO-5046; Lung injury (Yamamoto, H. (409) 179)

Hypothalamo-pituitary-adrenal axis

Aggressive behavior; Monoamine; Pertussis toxin; (Mouse) (Kim, D.-H. (409) 67)

Hypothalamus

CART (cocaine- and amphetamine-regulated transcript); TRH (thyrotropin releasing hormone); Dopamine; Norepinephrine; Synaptosome (Brunetti, L. (409) 103)

Ileum

Cannabinoid receptor agonist; WIN 55212-2; Cannabinoid receptor antagonist; SR14716A; Electrical field stimulation; Short-circuit current, (Rat) (Tyler, K. (409) 207)

Insulin

Troglitazone; Fructose 2,6-bisphosphate; Hepatocyte; Thiazolidinedione (Raman, P. (409) 19)

Primary culture of hepatocyte; Tyrosine phosphorylation; cAMP phosphodiesterase; Microtubule; Wortmannin; Herbimycin A (Ishibashi, K. (409) 109)

Interleukin-10

Y-39041; Arthritis; TNF- α (Tumor necrosis factor- α); Lipopolysaccharide (Hisadome, M. (409) 331)

Intestinal motility

Salivary protein; Lipopolysaccharide (Tan, D. (409) 203)

Ischemia-reperfusion

Dysmotility; Colon; Adenosine A₁ receptor antagonist; RT-PCR (reverse transcription-polymerase chain reaction); (Rat) (Kadowaki, M. (409) 319)

KCl

Nitric oxide (NO); Mesenteric bed; *N*^ω-nitro-L-arginine methyl ester; Depolarization; Nitric oxide (NO) synthase (Mendizabal, V.E. (409) 85)

Kidney

OAT1 (organic anion transporter 1); *p*-Aminohippurate; Methotrexate; Probenecid; NSAID (nonsteroidal anti-inflammatory drug); (Rat) (Uwai, Y. (409) 31)

Lecithinized superoxide dismutase

Hyperoxia; Neutrophil elastase; ONO-5046; Lung injury (Yamamoto, H. (409) 179)

Licking behaviour

Benzodiazepine; Dopamine; Bout structure; Palatability (Higgs, S. (409) 73)

Ligand-gated channel

Enteric neuron; Submucosal neuron; ATP receptor; Ca²⁺; Receptor; P2X receptor; P2Y receptor (Barajas-López, C. (409) 243)

Lipopolysaccharide

Salivary protein; Intestinal motility (Tan, D. (409) 203)

Y-39041; Arthritis; TNF- α (Tumor necrosis factor- α); Interleukin-10 (Hisadome, M. (409) 331)

LL-Z1640-2

Radicol; Mitogen-activated protein kinases; c-Jun N-terminal kinase; HgCl₂ (Matsuoka, M. (409) 155)

Long-term potentiation

Purine; Adenosine; ATP; Nucleotide; Hippocampus; Suramin (O'Kane, E.M. (409) 159)

Lung injury

Hyperoxia; Lecithinized superoxide dismutase; Neutrophil elastase; ONO-5046 (Yamamoto, H. (409) 179)

Luteal cell

Droloxifene; Apoptosis; *c-myc*; *bax*; *bcl-2*; mRNA (Leng, Y. (409) 123)

Melatonin MT₁ receptor

Morphine tolerance; Morphine dependence; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Melatonin MT₂ receptor

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Melatonin MT₃ receptor

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

MEN 11270

Antagonism; Bradykinin B₂ receptor; FR173657; FR190997; Non-peptide (Meini, S. (409) 185)

Mesenteric bed

Nitric oxide (NO); *N*^ω-nitro-L-arginine methyl ester; Depolarization; KCl; Nitric oxide (NO) synthase (Mendizabal, V.E. (409) 85)

Methotrexate

OAT1 (organic anion transporter 1); *p*-Aminohippurate; Probenecid; NSAID (nonsteroidal anti-inflammatory drug); Kidney; (Rat) (Uwai, Y. (409) 31)

Microdialysis

Amino acid; Dopamine; Guanidinoethyl sulfonate; (Rat) (Olive, M.F. (409) 291)

Microdialysis, in vivo

5-HT_{1A} receptor; 5-HT (5-hydroxytryptamine, serotonin) release; WAY 100635 (Assié, M.-B. (409) 173)

Microtubule

Insulin; Primary culture of hepatocyte; Tyrosine phosphorylation; cAMP phosphodiesterase; Wortmannin; Herbimycin A (Ishibashi, K. (409) 109)

Mitogen-activated protein kinases

LL-Z1640-2; Radicicol; *c-Jun* N-terminal kinase; HgCl₂ (Matsuoka, M. (409) 155)

Monoamine

Hypothalamo-pituitary-adrenal axis; Aggressive behavior; Pertussis toxin; (Mouse) (Kim, D.-H. (409) 67)

SCH23390; Eticlopride; Species-specificity (Sandoval, V. (409) 265)

Morphine dependence

Morphine tolerance; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Morphine tolerance

Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

mRNA

Droloxifene; Luteal cell; Apoptosis; *c-myc*; *bax*; *bcl-2* (Leng, Y. (409) 123)

Muscimol

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; Taurine; β-Alanine; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Neocryptolepine

Cryptolepine; Plant alkaloid; Topoisomerase II; Cytotoxicity; Apoptosis (Dassonneville, L. (409) 9)

Neonate

Cardiac myocyte; Ca²⁺ current, L-type; Adenosine; ATP; Purinoceptor (Suto, F. (409) 213)

Neuromedin B receptor antagonist, nonpeptide

Ca²⁺, cytosolic; *c-fos* mRNA; Focal adhesion kinase; Proliferation (Moody, T.W. (409) 133)

Neurosteroid

Development; P19 cell (Grobin, A.C. (409) R1)

Neutrophil elastase

Hyperoxia; Lecithinized superoxide dismutase; ONO-5046; Lung injury (Yamamoto, H. (409) 179)

***N*^ω-nitro-L-arginine methyl ester**

Nitric oxide (NO); Mesenteric bed; Depolarization; KCl; Nitric oxide (NO) synthase (Mendizabal, V.E. (409) 85)

Nicotinic receptor

TC-2559; Cognition; Central nervous system (Bencherif, M. (409) 45)

Nitric oxide (NO)

Phencyclidine; *N*^G-nitro-L-arginine methyl ester; Behaviour; *c-fos*; (Rat) (Bujas-Bobanovic, M. (409) 57)

Mesenteric bed; *N*^ω-nitro-L-arginine methyl ester; Depolarization; KCl; Nitric oxide (NO) synthase (Mendizabal, V.E. (409) 85)

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Tail-flick latency; Withdrawal jump (Raghavendra, V. (409) 279)

Nitric oxide (NO) synthase

Nitric oxide (NO); Mesenteric bed; *N*^ω-nitro-L-arginine methyl ester; Depolarization; KCl (Mendizabal, V.E. (409) 85)

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

Phencyclidine; Nitric oxide (NO); Behaviour; *c-fos*; (Rat) (Bujas-Bobanovic, M. (409) 57)

Non-peptide

Antagonism; Bradykinin B₂ receptor; FR173657; FR190997; MEN 11270 (Meini, S. (409) 185)

Norepinephrine

CART (cocaine- and amphetamine-regulated transcript); TRH (thyrotropin releasing hormone); Dopamine; Synaptosome; Hypothalamus (Brunetti, L. (409) 103)

NSAID (nonsteroidal anti-inflammatory drug)

OAT1 (organic anion transporter 1); *p*-Aminohippurate; Methotrexate; Probenecid; Kidney; (Rat) (Uwai, Y. (409) 31)

Nucleotide

Purine; Adenosine; ATP; Hippocampus; Suramin; Long-term potentiation (O'Kane, E.M. (409) 159)

OAT1 (organic anion transporter 1)

p-Aminohippurate; Methotrexate; Probenecid; NSAID (nonsteroidal anti-inflammatory drug); Kidney; (Rat) (Uwai, Y. (409) 31)

Oestrogen

Aromatase inhibitor; Breast carcinoma; Androgen (Palma, C. (409) 93)

ONO-5046

Hyperoxia; Lecithinized superoxide dismutase; Neutrophil elastase; Lung injury (Yamamoto, H. (409) 179)

Osteoblast, Human

CGRP (calcitonin gene-related peptide); CGRP-(8-37); Amylin, Amylin-(8-37); Proliferation; cAMP (Villa, I. (409) 273)

Palatability

Benzodiazepine; Dopamine; Licking behaviour; Bout structure (Higgs, S. (409) 73)

***p*-Aminohippurate**

OAT1 (organic anion transporter 1); Methotrexate; Probenecid; NSAID (nonsteroidal anti-inflammatory drug); Kidney; (Rat) (Uwai, Y. (409) 31)

Paw pressure test

5-HT (5-hydroxytryptamine, serotonin); Chronic pain; Spinal cord; (Rat) (Bardin, L. (409) 37)

P19 cell

Neurosteroid; Development (Grobin, A.C. (409) R1)

Pertussis toxin

Hypothalamo-pituitary-adrenal axis; Aggressive behavior; Monoamine; (Mouse) (Kim, D.-H. (409) 67)

Phencyclidine

Nitric oxide (NO); *N*^G-nitro-L-arginine methyl ester; Behaviour; *c-fos*; (Rat) (Bujas-Bobanovic, M. (409) 57)

Phosphodiesterase

Ethanol withdrawal; Adipose tissue; Hormone-sensitive lipase, cAMP (Shih, M.-F. (409) 223)

Phosphodiesterase inhibitor

Streptozotocin-diabetic, rat; Cilostazol; Antiplatelet vasodilating agent (Yamamoto, Y. (409) 1)

4-PIOL

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; Taurine; β-Alanine; Muscimol; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

5-(4-piperidine)isoxazol-3-ol

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; Taurine; β-Alanine; Muscimol; 4-PIOL (Rabe, H. (409) 233)

Plant alkaloid

Cryptolepine; Neocryptolepine; Topoisomerase II; Cytotoxicity; Apoptosis (Dassonneville, L. (409) 9)

Primary culture of hepatocyte

Insulin; Tyrosine phosphorylation; cAMP phosphodiesterase; Microtubule; Wortmannin; Herbimycin A (Ishibashi, K. (409) 109)

Probenecid

OAT1 (organic anion transporter 1); *p*-Aminohippurate; Methotrexate; NSAID (nonsteroidal anti-inflammatory drug); Kidney; (Rat) (Uwai, Y. (409) 31)

Proliferation

Neuromedin B receptor antagonist, nonpeptide; Ca²⁺, cytosolic; *c-fos* mRNA; Focal adhesion kinase (Moody, T.W. (409) 133)

Osteoblast, Human; CGRP (calcitonin gene-related peptide); CGRP-(8-37); Amylin, Amylin-(8-37); cAMP (Villa, I. (409) 273)

Prostate

α_{1A}-Adrenoceptor antagonist; Adrenoceptor subtype (Chang, R.S.L. (409) 301)

Purine

Adenosine; ATP; Nucleotide; Hippocampus; Suramin; Long-term potentiation (O'Kane, E.M. (409) 159)

Purinoceptor

Neonate; Cardiac myocyte; Ca²⁺ current, L-type; Adenosine; ATP (Suto, F. (409) 213)

P2X receptor

Enteric neuron; Submucosal neuron; ATP receptor; Ca²⁺; Receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

P2X₃ receptor

Ethanol; Trichloroethanol (Köles, L. (409) R3)

P2Y receptor

Enteric neuron; Submucosal neuron; ATP receptor; Ca²⁺; Receptor; P2X receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

Radical

LL-Z1640-2; Mitogen-activated protein kinases; c-Jun N-terminal kinase; HgCl₂ (Matsuoka, M. (409) 155)

Receptor

Enteric neuron; Submucosal neuron; ATP receptor; Ca²⁺; P2X receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

Receptor coupling

Chemokine; G-protein coupled receptor; HIV (human immunodeficiency virus) (Di Salvo, J. (409) 143)

RT-PCR (reverse transcription-polymerase chain reaction)

Dysmotility; Ischemia-reperfusion; Colon; Adenosine A₁ receptor antagonist; (Rat) (Kadowaki, M. (409) 319)

Salivary protein

Intestinal motility; Lipopolysaccharide (Tan, D. (409) 203)

SB 204070A

Forced swim test; 5-HT₄ receptor; Fluoxetine; Antidepressant (Cryan, J.F. (409) 295)

SCH23390

Eticlopride; Species-specificity; Monoamine (Sandoval, V. (409) 265)

Serotonergic system

FR140423; Antinociception; 5-HT_{2A} receptor; 5-HT₃ receptor; Spinal cord; (Mice) (Ochi, T. (409) 167)

Short-circuit current, (Rat)

Cannabinoid receptor agonist; WIN 55212-2; Cannabinoid receptor antagonist; SR14716A; Ileum; Electrical field stimulation (Tyler, K. (409) 207)

Species-specificity

SCH23390; Eticlopride; Monoamine (Sandoval, V. (409) 265)

Spinal cord

5-HT (5-hydroxytryptamine, serotonin); Chronic pain; Paw pressure test; (Rat) (Bardin, L. (409) 37)

FR140423; Antinociception; Serotonergic system; 5-HT_{2A} receptor; 5-HT₃ receptor; (Mice) (Ochi, T. (409) 167)

SR14716A

Cannabinoid receptor agonist; WIN 55212-2; Cannabinoid receptor antagonist; Ileum; Electrical field stimulation; Short-circuit current, (Rat) (Tyler, K. (409) 207)

[³⁵S]TBPS binding

GABA_A receptor subtype; Brain regional heterogeneity; Agonist coupling; Taurine; β-Alanine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

Streptozotocin-diabetic, rat

Cilostazol; Antiplatelet vasodilating agent; Phosphodiesterase inhibitor (Yamamoto, Y. (409) 1)

Submucosal neuron

Enteric neuron; ATP receptor; Ca²⁺; Receptor; P2X receptor; P2Y receptor; Ligand-gated channel (Barajas-López, C. (409) 243)

Suramin

Purine; Adenosine; ATP; Nucleotide; Hippocampus; Long-term potentiation (O'Kane, E.M. (409) 159)

Synaptosome

CART (cocaine- and amphetamine-regulated transcript); TRH (thyrotropin releasing hormone); Dopamine; Norepinephrine; Hypothalamus (Brunetti, L. (409) 103)

TA-270

Asthmatic response; Bronchoalveolar eosinophilia; Airway hyperresponsiveness (Aoki, Y. (409) 325)

Tail-flick latency

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Withdrawal jump (Raghavendra, V. (409) 279)

Taurine

GABA_A receptor subtype; Brain regional heterogeneity; [³⁵S]TBPS binding; Agonist coupling; β-Alanine; Muscimol; 4-PIOL; 5-(4-piperidine)isoxazol-3-ol (Rabe, H. (409) 233)

TC-2559

Nicotinic receptor; Cognition; Central nervous system (Bencherif, M. (409) 45)

Thiazolidinedione

Troglitazone; Fructose 2,6-bisphosphate; Hepatocyte; Insulin (Raman, P. (409) 19)

TNF-α (Tumor necrosis factor-α)

Y-39041; Arthritis; Interleukin-10; Lipopolysaccharide (Hisadome, M. (409) 331)

Topoisomerase II

Cryptolepine; Neocryptolepine; Plant alkaloid; Cytotoxicity; Apoptosis (Dassonneville, L. (409) 9)

TRH (thyrotropin releasing hormone)

CART (cocaine- and amphetamine-regulated transcript); Dopamine; Norepinephrine; Synaptosome; Hypothalamus (Brunetti, L. (409) 103)

Trichloroethanol

P2X₃ receptor; Ethanol (Köles, L. (409) R3)

Troglitazone

Fructose 2,6-bisphosphate; Hepatocyte; Insulin; Thiazolidinedione (Raman, P. (409) 19)

Tyrosine phosphorylation

Insulin; Primary culture of hepatocyte; cAMP phosphodiesterase; Microtubule; Wortmannin; Herbimycin A (Ishibashi, K. (409) 109)

Vascular permeability

Allergic conjunctivitis; Histamine H₁ receptors; 5-HT (5-hydroxytryptamine, serotonin); Histamine (Nakahara, H. (409) 313)

WAY 100635

Microdialysis, in vivo; 5-HT_{1A} receptor; 5-HT (5-hydroxytryptamine, serotonin) release (Assié, M.-B. (409) 173)

WIN 55212-2

Cannabinoid receptor agonist; Cannabinoid receptor antagonist; SR14716A; Ileum; Electrical field stimulation; Short-circuit current, (Rat) (Tyler, K. (409) 207)

Withdrawal jump

Morphine tolerance; Morphine dependence; Melatonin MT₁ receptor; Melatonin MT₂ receptor; Melatonin MT₃ receptor; Benzodiazepine receptor; Central/peripheral; Nitric oxide (NO); Tail-flick latency (Raghavendra, V. (409) 279)

Wortmannin

Insulin; Primary culture of hepatocyte; Tyrosine phosphorylation; cAMP phosphodiesterase; Microtubule; Herbimycin A (Ishibashi, K. (409) 109)

Y-39041

Arthritis; TNF-α (Tumor necrosis factor-α); Interleukin-10; Lipopolysaccharide (Hisadome, M. (409) 331)

YM-31636

5-HT₃ receptor agonist; Colon, distal; Atrium, right; (Guinea pig) (Ito, H. (409) 195)