

Keyword index

ABT-866

Adrenoceptor; α_{1A} -Adrenoceptor agonist; $\alpha_{1B/D}$ -Adrenoceptor antagonist; Urethra; Phenylpropanolamine; Midodrine; ST-1059 (Buckner, S.A. (449) 159)

β -Actin

Cyclophosphamide; HL-60; CYP1B1; RT-PCR (reverse transcriptase–polymerase chain reaction); PCR (polymerase chain reaction), real-time; Cytotoxicity; Multidrug resistance (Xie, H.-J. (449) 197)

Adenosine

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Adenosine-5'-diphosphate

Atisine-type diterpene alkaloid; Platelet aggregation; Arachidonic acid; PAF (platelet-activating factor); Structure–activity relationship (Li, L. (449) 23)

Adrenoceptor

α_{1A} -Adrenoceptor agonist; $\alpha_{1B/D}$ -Adrenoceptor antagonist; Urethra; ABT-866; Phenylpropanolamine; Midodrine; ST-1059 (Buckner, S.A. (449) 159)

α_{1A} -Adrenoceptor agonist

Adrenoceptor; $\alpha_{1B/D}$ -Adrenoceptor antagonist; Urethra; ABT-866; Phenylpropanolamine; Midodrine; ST-1059 (Buckner, S.A. (449) 159)

$\alpha_{1B/D}$ -Adrenoceptor antagonist

Adrenoceptor; α_{1A} -Adrenoceptor agonist; Urethra; ABT-866; Phenylpropanolamine; Midodrine; ST-1059 (Buckner, S.A. (449) 159)

α_1 -Adrenoceptor stimulation

QT interval; K^+ channel blocker; Proarrhythmia; Torsade de pointes; Clofilium; Erythromycin; Terikalant (Farkas, A. (449) 143)

Afterhyperpolarization

K^+ channel; Ca^{2+} ; SK channel; Dequalinium; Neuron (Cao, Y.-J. (449) 47)

Alcohol

Leydig cell; Apoptosis; Bax; Bcl-2; Caspase-3 (Jang, M.-H. (449) 39)

Alcohol-preferring rat

Δ^9 -Tetrahydrocannabinol; Ethanol intake; Cannabinoid CB_1 receptor; SR 141716A; Object recognition task (Ciccocioppo, R. (449) 245)

Alphaxalone

Antiepileptic drug; Amygdala-kindled seizure; Pentetrazole; Aminophylline; Electroshock maximal (Borowicz, K.K. (449) 85)

Aminophylline

Alphaxalone; Antiepileptic drug; Amygdala-kindled seizure; Pentetrazole; Electroshock maximal (Borowicz, K.K. (449) 85)

Amygdala-kindled seizure

Alphaxalone; Antiepileptic drug; Pentetrazole; Aminophylline; Electroshock maximal (Borowicz, K.K. (449) 85)

Analgesia

Neuropeptide FF; 1DMe ([D-Tyr¹, (NMe)Phe³]NPFF); Morphine; Tail flick; (Mouse) (Quelven, I. (449) 91)

Anandamide

Cannabinoid; Tolerance; Cytochrome P450; Liver, rat; Brain, rat (Costa, B. (449) 61)

Antidepressant

Rosmarinic acid; Caffeic acid; Forced swimming test; (Mouse) (Takeda, H. (449) 261)

Antiepileptic drug

Alphaxalone; Amygdala-kindled seizure; Pentetrazole; Aminophylline; Electroshock maximal (Borowicz, K.K. (449) 85)

Anti-glomerular basement membrane

Beraprost sodium; Prostacyclin; Renal dysfunction; Nephritis; MCP-1 (monocyte chemoattractant protein-1); Collagen (Yamada, M. (449) 167)

Apoptosis

Alcohol; Leydig cell; Bax; Bcl-2; Caspase-3 (Jang, M.-H. (449) 39)

Arachidonic acid

Atisine-type diterpene alkaloid; Platelet aggregation; Adenosine-5'-diphosphate; PAF (platelet-activating factor); Structure–activity relationship (Li, L. (449) 23)

L-Arginine

Morphine; Conditioned place preference; Hippocampus; CA_1 ; Nitric oxide (NO); L-NAME (N^G -nitro-L-arginine methyl ester); (Rat) (Karami, M. (449) 113)

Morphine; Nitric oxide (NO); L-NAME (N^G -nitro-L-arginine methyl ester); Conditioned place preference; Nucleus accumbens; (Rat) (Gholami, A. (449) 267)

ARPE-19 cell

GSH precursor; 4-Hydroxynonenal; Oxidative stress; VEGF (Vascular endothelial growth factor) (Ayalasomayajula, S.P. (449) 213)

Ascorbate

Meningitis; Oxidative stress; Peroxynitrite; Urate; MnTBAP (Kastenbauer, S. (449) 177)

Aspirin

H. pylori; Nonsteroidal anti-inflammatory drug; Peptic ulcer (Pawlik, T. (449) 1)

Atisine-type diterpene alkaloid

Platelet aggregation; Arachidonic acid; Adenosine-5'-diphosphate; PAF (platelet-activating factor); Structure-activity relationship (Li, L. (449) 23)

Autonomic neuromuscular transmission

Nongenomic steroid receptor; Testosterone; Urinary bladder; (Rat); (*Suncus murinus*) (Hall, R. (449) 301)

Bax

Alcohol; Leydig cell; Apoptosis; Bcl-2; Caspase-3 (Jang, M.-H. (449) 39)

Bcl-2

Alcohol; Leydig cell; Apoptosis; Bax; Caspase-3 (Jang, M.-H. (449) 39)

Benzodiazepine

Kidney; Vasculature; (Rat) (Monasterolo, L.A. (449) 155)

Beraprost sodium

Prostacyclin; Renal dysfunction; Nephritis; Anti-glomerular basement membrane; MCP-1 (monocyte chemoattractant protein-1); Collagen (Yamada, M. (449) 167)

Bisphosphonate

Osteoporosis; Ovariectomy; Bone mineral density; Deoxypyridinoline (Teramura, K. (449) 191)

Body temperature

5-HT₇ receptor; 5-HT (5-hydroxytryptamine, serotonin); Plasma glucose; Dopamine D2 receptor; 5-HT₇ receptor antagonist (Kogan, H.A. (449) 105)

Bone mineral density

Bisphosphonate; Osteoporosis; Ovariectomy; Deoxypyridinoline (Teramura, K. (449) 191)

Brain, rat

Cannabinoid; Anandamide; Tolerance; Cytochrome P450; Liver, rat (Costa, B. (449) 61)

Buprenorphine

Formalin test; Hot plate; Tail immersion; Morphine; Nociception (Gilbert, A.-K. (449) 75)

CA1

Morphine; Conditioned place preference; Hippocampus; Nitric oxide (NO); L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); (Rat) (Karami, M. (449) 113)

Ca²⁺

K⁺ channel; SK channel; Dequalinium; Afterhyperpolarization; Neuron (Cao, Y.-J. (449) 47)

P2X₂ receptor; Ion channel; Multivalent cation block; Site-directed mutagenesis; *Xenopus* oocyte (Nakazawa, K. (449) 207)

Ca²⁺ channel, L-type

[³H]Nitrendipine; [³H]Diltiazem; Uterus, pregnant rat; Drotaverine (Tömösközi, Z. (449) 55)

Ca²⁺ channel, voltage-operated

Gabapentin; Patch clamp; Ca²⁺ imaging (Van Hooft, J.A. (449) 221)

Ca²⁺ imaging

Gabapentin; Ca²⁺ channel, voltage-operated; Patch clamp (Van Hooft, J.A. (449) 221)

Caffeic acid

Rosmarinic acid; Forced swimming test; Antidepressant; (Mouse) (Takeda, H. (449) 261)

cAMP formation

Nociceptin/orphanin FQ; [Nphe¹]N/OFQ (1–13)NH₂; Desensitization; [¹²⁵I]Y¹⁴N/OFQ binding (Hashimoto, Y. (449) 17)

Cannabinoid

Anandamide; Tolerance; Cytochrome P450; Liver, rat; Brain, rat (Costa, B. (449) 61)

Cannabinoid CB₁ receptor

Δ⁹-Tetrahydrocannabinol; Ethanol intake; SR 141716A; Object recognition task; Alcohol-preferring rat (Ciccocioppo, R. (449) 245)

Caspase-3

Alcohol; Leydig cell; Apoptosis; Bax; Bcl-2 (Jang, M.-H. (449) 39)

Cerebral ischemia, focal

Stroke; Thrombosis, photochemically induced; Middle cerebral artery occlusion; SHR (Stroke-prone spontaneously hypertensive rat); Prostacyclin (Karasawa, Y. (449) 127)

Clofilium

QT interval; K⁺ channel blocker; Proarrhythmia; Torsade de pointes; α₁-Adrenoceptor stimulation; Erythromycin; Terikalant (Farkas, A. (449) 143)

Cocaine

VMAT-2 (vesicular monoamine transporter-2); Methamphetamine; Trafficking; (Rat) (Riddle, E.L. (449) 71)

Ketamine; Propofol; Immediate early gene; *egr-1*; Dopamine; Forebrain, rat (Jouvert, P. (449) 239)

5-HT₃ receptor; Tropisetron; LY 278,584; Sensitization; Tolerance; (Rat) (King, G.R. (449) 253)

Collagen

Beraprost sodium; Prostacyclin; Renal dysfunction; Nephritis; Anti-glomerular basement membrane; MCP-1 (monocyte chemoattractant protein-1) (Yamada, M. (449) 167)

Conditioned place preference

Morphine; Hippocampus; CA1; Nitric oxide (NO); L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); (Rat) (Karami, M. (449) 113)

Morphine; Nitric oxide (NO); L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); Nucleus accumbens; (Rat) (Gholami, A. (449) 267)

Contractility

Nitric oxide (NO); Inotropic agent; Endotoxaemia (Price, S. (449) 279)

Cyclophosphamide

HL-60; CYP1B1; RT-PCR (reverse transcriptase-polymerase chain reaction); PCR (polymerase chain reaction), real-time; β-Actin; Cytotoxicity; Multidrug resistance (Xie, H.-J. (449) 197)

CYP1B1

Cyclophosphamide; HL-60; RT-PCR (reverse transcriptase-polymerase chain reaction); PCR (polymerase chain reaction), real-time; β-Actin; Cytotoxicity; Multidrug resistance (Xie, H.-J. (449) 197)

Cysteine

Melatonin MT₂ receptor, human; Melatonin MT₁ receptor, human; Site-directed mutagenesis; Thiol agents; HEK-293 cell (Msee, F. (449) 29)

Cytochrome P450

Cannabinoid; Anandamide; Tolerance; Liver, rat; Brain, rat (Costa, B. (449) 61)

Cytotoxicity

Cyclophosphamide; HL-60; CYP1B1; RT-PCR (reverse transcriptase–polymerase chain reaction); PCR (polymerase chain reaction), real-time; β -Actin; Multidrug resistance (Xie, H.-J. (449) 197)

Deoxyypyridinoline

Bisphosphonate; Osteoporosis; Ovariectomy; Bone mineral density (Tera-mura, K. (449) 191)

Dequalinium

K⁺ channel; Ca²⁺; SK channel; Afterhyperpolarization; Neuron (Cao, Y.-J. (449) 47)

Desensitization

Nociceptin/orphanin FQ; [Nphe¹]N/OFQ (1–13)NH₂; cAMP formation; [¹²⁵I]Y¹⁴N/OFQ binding (Hashimoto, Y. (449) 17)

Desloratadine

Histamine H₁ receptor, human (Anthes, J.C. (449) 229)

1DMe ([ID-Tyr¹, (NMe)Phe³]NPFF)

Neuropeptide FF; Morphine; Analgesia; Tail flick; (Mouse) (Quelven, I. (449) 91)

Dopamine

Cocaine; Ketamine; Propofol; Immediate early gene; *egr-1*; Forebrain, rat (Jouvert, P. (449) 239)

Dopamine D2 receptor

5-HT₇ receptor; 5-HT (5-hydroxytryptamine, serotonin); Body temperature; Plasma glucose; 5-HT₇ receptor antagonist (Kogan, H.A. (449) 105)

Drotaverine

Ca²⁺ channel, L-type; [³H]Nitrendipine; [³H]Diltiazem; Uterus, pregnant rat (Tömösközi, Z. (449) 55)

egr-1

Cocaine; Ketamine; Propofol; Immediate early gene; Dopamine; Forebrain, rat (Jouvert, P. (449) 239)

Electroshock maximal

Alphaxalone; Antiepileptic drug; Amygdala-kindled seizure; Pentetazoles; Aminophylline (Borowicz, K.K. (449) 85)

Endocannabinoid

Uptake inhibition; UCM707 (De Lago, E. (449) 99)

Endotoxaemia

Nitric oxide (NO); Contractility; Inotropic agent (Price, S. (449) 279)

Erythromycin

QT interval; K⁺ channel blocker; Proarrhythmia; Torsade de pointes; α_1 -Adrenoceptor stimulation; Clofilium; Terikalant (Farkas, A. (449) 143)

Ethanol intake

Δ^9 -Tetrahydrocannabinol; Cannabinoid CB₁ receptor; SR 141716A; Object recognition task; Alcohol-preferring rat (Ciccocioppo, R. (449) 245)

FMLP (*N*-formyl-methionyl-leucyl-phenylalanine)

S-carboxymethylcysteine; Neutrophil; Phospholipase C; Phosphatidyl inositol-specific (Ishii, Y. (449) 183)

Forced swimming test

Rosmarinic acid; Caffeic acid; Antidepressant; (Mouse) (Takeda, H. (449) 261)

Forebrain, rat

Cocaine; Ketamine; Propofol; Immediate early gene; *egr-1*; Dopamine (Jouvert, P. (449) 239)

Formalin test

Hot plate; Tail immersion; Morphine; Nociception; Buprenorphine (Gilbert, A.-K. (449) 75)

Gabapentin

Ca²⁺ channel, voltage-operated; Patch clamp; Ca²⁺ imaging (Van Hooft, J.A. (449) 221)

Glomerulonephritis

KF24345; Adenosine (Noji, T. (449) 293)

GSH precursor

ARPE-19 cell; 4-Hydroxynonenal; Oxidative stress; VEGF (Vascular endothelial growth factor) (Ayalasomayajula, S.P. (449) 213)

[³H]Diltiazem

Ca²⁺ channel, L-type; [³H]Nitrendipine; Uterus, pregnant rat; Drotaverine (Tömösközi, Z. (449) 55)

Heart failure

Myocardial infarction; Remodeling; Vasopressin receptor antagonism (Van Kerckhoven, R. (449) 135)

HEK-293 cell

Melatonin MT₂ receptor, human; Melatonin MT₁ receptor, human; Cysteine; Site-directed mutagenesis; Thiol agents (Mseeh, F. (449) 29)

Hippocampus

Morphine; Conditioned place preference; CA1; Nitric oxide (NO); L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); (Rat) (Karami, M. (449) 113)

Histamine H₁ receptor

Nasal allergic sign; Thromboxane A₂; Leukotriene (Kayasuga, R. (449) 287)

Histamine H₁ receptor, human

Desloratadine (Anthes, J.C. (449) 229)

HL-60

Cyclophosphamide; CYP1B1; RT-PCR (reverse transcriptase–polymerase chain reaction); PCR (polymerase chain reaction), real-time; β -Actin; Cytotoxicity; Multidrug resistance (Xie, H.-J. (449) 197)

[³H]Nitrendipine

Ca²⁺ channel, L-type; [³H]Diltiazem; Uterus, pregnant rat; Drotaverine (Tömösközi, Z. (449) 55)

Hot plate

Formalin test; Tail immersion; Morphine; Nociception; Buprenorphine (Gilbert, A.-K. (449) 75)

H. pylori

Aspirin; Nonsteroidal anti-inflammatory drug; Peptic ulcer (Pawlik, T. (449) 1)

5-HT (5-hydroxytryptamine, serotonin)

5-HT₇ receptor; Body temperature; Plasma glucose; Dopamine D2 receptor; 5-HT₇ receptor antagonist (Kogan, H.A. (449) 105)

5-HT₃ receptor

Cocaine; Tropisetron; LY 278,584; Sensitization; Tolerance; (Rat) (King, G.R. (449) 253)

5-HT₇ receptor

5-HT (5-hydroxytryptamine, serotonin); Body temperature; Plasma glucose; Dopamine D2 receptor; 5-HT₇ receptor antagonist (Kogan, H.A. (449) 105)

5-HT₇ receptor antagonist

5-HT₇ receptor; 5-HT (5-hydroxytryptamine, serotonin); Body temperature; Plasma glucose; Dopamine D2 receptor (Kogan, H.A. (449) 105)

4-Hydroxynonenal

ARPE-19 cell; GSH precursor; Oxidative stress; VEGF (Vascular endothelial growth factor) (Ayalasomayajula, S.P. (449) 213)

Immediate early gene

Cocaine; Ketamine; Propofol; *egr-1*; Dopamine; Forebrain, rat (Jouvert, P. (449) 239)

Inotropic agent

Nitric oxide (NO); Contractility; Endotoxaemia (Price, S. (449) 279)

Ion channel

P2X₂ receptor; Ca²⁺; Multivalent cation block; Site-directed mutagenesis; *Xenopus* oocyte (Nakazawa, K. (449) 207)

[¹²⁵I]Y¹⁴N/OFQ binding

Nociceptin/orphanin FQ; [Nphe¹]N/OFQ (1–13)NH₂; Desensitization; cAMP formation (Hashimoto, Y. (449) 17)

K⁺ channel

Ca²⁺; SK channel; Dequalinium; Afterhyperpolarization; Neuron (Cao, Y.-J. (449) 47)

K⁺ channel blocker

QT interval; Proarrhythmia; Torsade de pointes; α_1 -Adrenoceptor stimulation; Clofilium; Erythromycin; Terikalant (Farkas, A. (449) 143)

Ketamine

Cocaine; Propofol; Immediate early gene; *egr-1*; Dopamine; Forebrain, rat (Jouvert, P. (449) 239)

KF24345

Adenosine; Glomerulonephritis (Noji, T. (449) 293)

Kidney

Benzodiazepine; Vasculature; (Rat) (Monasterolo, L.A. (449) 155)

Leukotriene

Nasal allergic sign; Histamine H₁ receptor; Thromboxane A₂ (Kayasuga, R. (449) 287)

Leydig cell

Alcohol; Apoptosis; Bax; Bcl-2; Caspase-3 (Jang, M.-H. (449) 39)

Liver, rat

Cannabinoid; Anandamide; Tolerance; Cytochrome P450; Brain, rat (Costa, B. (449) 61)

LY 278,584

5-HT₃ receptor; Cocaine; Tropisetron; Sensitization; Tolerance; (Rat) (King, G.R. (449) 253)

MCP-1 (monocyte chemoattractant protein-1)

Beraprost sodium; Prostacyclin; Renal dysfunction; Nephritis; Anti-glomerular basement membrane; Collagen (Yamada, M. (449) 167)

Melatonin MT₁ receptor, human

Melatonin MT₂ receptor, human; Cysteine; Site-directed mutagenesis; Thiol agents; HEK-293 cell (Mseech, F. (449) 29)

Melatonin MT₂ receptor, human

Melatonin MT₁ receptor, human; Cysteine; Site-directed mutagenesis; Thiol agents; HEK-293 cell (Mseech, F. (449) 29)

Meningitis

Oxidative stress; Peroxynitrite; Urate; MnTBAP; Ascorbate (Kastenbauer, S. (449) 177)

Methamphetamine

VMAT-2 (vesicular monoamine transporter-2); Cocaine; Trafficking; (Rat) (Riddle, E.L. (449) 71)

Middle cerebral artery occlusion

Stroke; Cerebral ischemia, focal; Thrombosis, photochemically induced; SHR (Stroke-prone spontaneously hypertensive rat); Prostacyclin (Karasawa, Y. (449) 127)

Midodrine

Adrenoceptor; α_{1A} -Adrenoceptor agonist; $\alpha_{1B/D}$ -Adrenoceptor antagonist; Urethra; ABT-866; Phenylpropanolamine; ST-1059 (Buckner, S.A. (449) 159)

MnTBAP

Meningitis; Oxidative stress; Peroxynitrite; Urate; Ascorbate (Kastenbauer, S. (449) 177)

Morphine

Formalin test; Hot plate; Tail immersion; Nociception; Buprenorphine (Gilbert, A.-K. (449) 75)

Neuropeptide FF; 1DMe ([D-Tyr¹, (NMe)Phe³]NPFF); Analgesia; Tail flick; (Mouse) (Quelven, I. (449) 91)

Conditioned place preference; Hippocampus; CA1; Nitric oxide (NO); L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); (Rat) (Karami, M. (449) 113)

Nitric oxide (NO); L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); Conditioned place preference; Nucleus accumbens; (Rat) (Gholami, A. (449) 267)

Multidrug resistance

Cyclophosphamide; HL-60; CYP1B1; RT-PCR (reverse transcriptase-polymerase chain reaction); PCR (polymerase chain reaction), real-time; β -Actin; Cytotoxicity (Xie, H.-J. (449) 197)

Multivalent cation block

P2X₂ receptor; Ion channel; Ca²⁺; Site-directed mutagenesis; *Xenopus* oocyte (Nakazawa, K. (449) 207)

Myocardial infarction

Heart failure; Remodeling; Vasopressin receptor antagonism (Van Kerckhoven, R. (449) 135)

L-NAME (*N*^G-nitro-L-arginine methyl ester)

Morphine; Conditioned place preference; Hippocampus; CA1; Nitric oxide (NO); L-Arginine; (Rat) (Karami, M. (449) 113)

Morphine; Nitric oxide (NO); L-Arginine; Conditioned place preference; Nucleus accumbens; (Rat) (Gholami, A. (449) 267)

Nasal allergic sign

Histamine H₁ receptor; Thromboxane A₂; Leukotriene (Kayasuga, R. (449) 287)

Nephritis

Beraprost sodium; Prostacyclin; Renal dysfunction; Anti-glomerular basement membrane; MCP-1 (monocyte chemoattractant protein-1); Collagen (Yamada, M. (449) 167)

Neuron

K⁺ channel; Ca²⁺; SK channel; Dequalinium; Afterhyperpolarization (Cao, Y.-J. (449) 47)

Neuropeptide FF

1DMe ([D-Tyr¹,(NMe)³]NPFF); Morphine; Analgesia; Tail flick; (Mouse) (Quelven, I. (449) 91)

Neutrophil

S-carboxymethylcysteine; FMLP (*N*-formyl-methionyl-leucyl-phenylalanine); Phospholipase C; Phosphatidyl inositol-specific (Ishii, Y. (449) 183)

Nitric oxide (NO)

Morphine; Conditioned place preference; Hippocampus; CA1; L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); (Rat) (Karami, M. (449) 113)

Morphine; L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); Conditioned place preference; Nucleus accumbens; (Rat) (Gholami, A. (449) 267)

Contractility; Inotropic agent; Endotoxaemia (Price, S. (449) 279)

NMDA receptor

Topiramate; Schizophrenia; Popping (Deutsch, S.I. (449) 121)

Nociceptin/orphanin FQ

[Nphe¹]N/OFQ (1–13)NH₂; Desensitization; cAMP formation; [¹²⁵I] Y¹⁴N/OFQ binding (Hashimoto, Y. (449) 17)

Nociception

Formalin test; Hot plate; Tail immersion; Morphine; Buprenorphine (Gilbert, A.-K. (449) 75)

Nongenomic steroid receptor

Autonomic neuromuscular transmission; Testosterone; Urinary bladder; (Rat); (*Suncus murinus*) (Hall, R. (449) 301)

Nonsteroidal anti-inflammatory drug

H. pylori; Aspirin; Peptic ulcer (Pawlik, T. (449) 1)

[Nphe¹]N/OFQ (1–13)NH₂

Nociceptin/orphanin FQ; Desensitization; cAMP formation; [¹²⁵I]Y¹⁴N/OFQ binding (Hashimoto, Y. (449) 17)

Nucleus accumbens

Morphine; Nitric oxide (NO); L-Arginine; L-NAME (*N*^G-nitro-L-arginine methyl ester); Conditioned place preference; (Rat) (Gholami, A. (449) 267)

Object recognition task

Δ⁹-Tetrahydrocannabinol; Ethanol intake; Cannabinoid CB₁ receptor; SR 141716A; Alcohol-preferring rat (Ciccocioppo, R. (449) 245)

Osteoporosis

Bisphosphonate; Ovariectomy; Bone mineral density; Deoxypyridinoline (Teramura, K. (449) 191)

Ovariectomy

Bisphosphonate; Osteoporosis; Bone mineral density; Deoxypyridinoline (Teramura, K. (449) 191)

Oxidative stress

Meningitis; Peroxynitrite; Urate; MnTBAP; Ascorbate (Kastenbauer, S. (449) 177)

ARPE-19 cell; GSH precursor; 4-Hydroxynonenal; VEGF (Vascular endothelial growth factor) (Ayalasomayajula, S.P. (449) 213)

PAF (platelet-activating factor)

Atisine-type diterpene alkaloid; Platelet aggregation; Arachidonic acid; Adenosine-5'-diphosphate; Structure–activity relationship (Li, L. (449) 23)

Patch clamp

Gabapentin; Ca²⁺ channel, voltage-operated; Ca²⁺ imaging (Van Hooft, J.A. (449) 221)

PCR (polymerase chain reaction), real-time

Cyclophosphamide; HL-60; CYP1B1; RT-PCR (reverse transcriptase–polymerase chain reaction); β-Actin; Cytotoxicity; Multidrug resistance (Xie, H.-J. (449) 197)

Pentetrazole

Alphaxalone; Antiepileptic drug; Amygdala-kindled seizure; Aminophylline; Electroshock maximal (Borowicz, K.K. (449) 85)

Peptic ulcer

H. pylori; Aspirin; Nonsteroidal anti-inflammatory drug (Pawlik, T. (449) 1)

Peroxynitrite

Meningitis; Oxidative stress; Urate; MnTBAP; Ascorbate (Kastenbauer, S. (449) 177)

Phenylpropanolamine

Adrenoceptor; α_{1A}-Adrenoceptor agonist; α_{1B/D}-Adrenoceptor antagonist; Urethra; ABT-866; Midodrine; ST-1059 (Buckner, S.A. (449) 159)

Phosphatidyl inositol-specific

S-carboxymethylcysteine; Neutrophil; FMLP (*N*-formyl-methionyl-leucyl-phenylalanine); Phospholipase C (Ishii, Y. (449) 183)

Phospholipase C

S-carboxymethylcysteine; Neutrophil; FMLP (*N*-formyl-methionyl-leucyl-phenylalanine); Phosphatidyl inositol-specific (Ishii, Y. (449) 183)

Plasma glucose

5-HT₇ receptor; 5-HT (5-hydroxytryptamine, serotonin); Body temperature; Dopamine D2 receptor; 5-HT₇ receptor antagonist (Kogan, H.A. (449) 105)

Platelet aggregation

Atisine-type diterpene alkaloid; Arachidonic acid; Adenosine-5'-diphosphate; PAF (platelet-activating factor); Structure–activity relationship (Li, L. (449) 23)

Popping

Topiramate; Schizophrenia; NMDA receptor (Deutsch, S.I. (449) 121)

Proarrhythmia

QT interval; K⁺ channel blocker; Torsade de pointes; α₁-Adrenoceptor stimulation; Clofilium; Erythromycin; Terikalant (Farkas, A. (449) 143)

Propofol

Cocaine; Ketamine; Immediate early gene; *egr-1*; Dopamine; Forebrain, rat (Jouvert, P. (449) 239)

Prostacyclin

Stroke; Cerebral ischemia, focal; Thrombosis, photochemically induced; Middle cerebral artery occlusion; SHR (Stroke-prone spontaneously hypertensive rat) (Karasawa, Y. (449) 127)

Beraprost sodium; Renal dysfunction; Nephritis; Anti-glomerular basement membrane; MCP-1 (monocyte chemoattractant protein-1); Collagen (Yamada, M. (449) 167)

P2X₂ receptor

Ion channel; Ca²⁺; Multivalent cation block; Site-directed mutagenesis; *Xenopus* oocyte (Nakazawa, K. (449) 207)

QT interval

K⁺ channel blocker; Proarrhythmia; Torsade de pointes; α_1 -Adrenoceptor stimulation; Clofilium; Erythromycin; Terikalant (Farkas, A. (449) 143)

Remodeling

Heart failure; Myocardial infarction; Vasopressin receptor antagonism (Van Kerckhoven, R. (449) 135)

Renal dysfunction

Beraprost sodium; Prostacyclin; Nephritis; Anti-glomerular basement membrane; MCP-1 (monocyte chemoattractant protein-1); Collagen (Yamada, M. (449) 167)

Rosmarinic acid

Caffeic acid; Forced swimming test; Antidepressant; (Mouse) (Takeda, H. (449) 261)

RT-PCR (reverse transcriptase–polymerase chain reaction)

Cyclophosphamide; HL-60; CYP1B1; PCR (polymerase chain reaction), real-time; β -Actin; Cytotoxicity; Multidrug resistance (Xie, H.-J. (449) 197)

S-carboxymethylcysteine

Neutrophil; FMLP (*N*-formyl-methionyl-leucyl-phenylalanine); Phospholipase C; Phosphatidyl inositol-specific (Ishii, Y. (449) 183)

Schizophrenia

Topiramate; NMDA receptor; Popping (Deutsch, S.I. (449) 121)

Sensitization

5-HT₃ receptor; Cocaine; Tropisetron; LY 278,584; Tolerance; (Rat) (King, G.R. (449) 253)

SHR (Stroke-prone spontaneously hypertensive rat)

Stroke; Cerebral ischemia, focal; Thrombosis, photochemically induced; Middle cerebral artery occlusion; Prostacyclin (Karasawa, Y. (449) 127)

Site-directed mutagenesis

Melatonin MT₂ receptor, human; Melatonin MT₁ receptor, human; Cysteine; Thiol agents; HEK-293 cell (Msee, F. (449) 29)

P2X₂ receptor; Ion channel; Ca²⁺; Multivalent cation block; *Xenopus* oocyte (Nakazawa, K. (449) 207)

SK channel

K⁺ channel; Ca²⁺; Dequalinium; Afterhyperpolarization; Neuron (Cao, Y.-J. (449) 47)

SR 141716A

Δ^9 -Tetrahydrocannabinol; Ethanol intake; Cannabinoid CB₁ receptor; Object recognition task; Alcohol-preferring rat (Ciccocioppo, R. (449) 245)

ST-1059

Adrenoceptor; α_{1A} -Adrenoceptor agonist; $\alpha_{1B/D}$ -Adrenoceptor antagonist; Urethra; ABT-866; Phenylpropanolamine; Midodrine (Buckner, S.A. (449) 159)

Stroke

Cerebral ischemia, focal; Thrombosis, photochemically induced; Middle cerebral artery occlusion; SHR (Stroke-prone spontaneously hypertensive rat); Prostacyclin (Karasawa, Y. (449) 127)

Structure–activity relationship

Atisine-type diterpene alkaloid; Platelet aggregation; Arachidonic acid; Adenosine-5'-diphosphate; PAF (platelet-activating factor) (Li, L. (449) 23)

Tail flick

Neuropeptide FF; 1DMe ([D-Tyr¹, (NMe)Phe³]NPFF); Morphine; Analgesia; (Mouse) (Quelven, I. (449) 91)

Tail immersion

Formalin test; Hot plate; Morphine; Nociception; Buprenorphine (Gilbert, A.-K. (449) 75)

Terikalant

QT interval; K⁺ channel blocker; Proarrhythmia; Torsade de pointes; α_1 -Adrenoceptor stimulation; Clofilium; Erythromycin (Farkas, A. (449) 143)

Testosterone

Autonomic neuromuscular transmission; Nongenomic steroid receptor; Urinary bladder; (Rat); (*Suncus murinus*) (Hall, R. (449) 301)

 Δ^9 -Tetrahydrocannabinol

Ethanol intake; Cannabinoid CB₁ receptor; SR 141716A; Object recognition task; Alcohol-preferring rat (Ciccocioppo, R. (449) 245)

Thiol agents

Melatonin MT₂ receptor, human; Melatonin MT₁ receptor, human; Cysteine; Site-directed mutagenesis; HEK-293 cell (Msee, F. (449) 29)

Thrombosis, photochemically induced

Stroke; Cerebral ischemia, focal; Middle cerebral artery occlusion; SHR (Stroke-prone spontaneously hypertensive rat); Prostacyclin (Karasawa, Y. (449) 127)

Thromboxane A₂

Nasal allergic sign; Histamine H₁ receptor; Leukotriene (Kayasuga, R. (449) 287)

Tolerance

Cannabinoid; Anandamide; Cytochrome P450; Liver, rat; Brain, rat (Costa, B. (449) 61)

5-HT₃ receptor; Cocaine; Tropisetron; LY 278,584; Sensitization; (Rat) (King, G.R. (449) 253)

Topiramate

Schizophrenia; NMDA receptor; Popping (Deutsch, S.I. (449) 121)

Torsade de pointes

QT interval; K⁺ channel blocker; Proarrhythmia; α_1 -Adrenoceptor stimulation; Clofilium; Erythromycin; Terikalant (Farkas, A. (449) 143)

Trafficking

VMAT-2 (vesicular monoamine transporter-2); Cocaine; Methamphetamine; (Rat) (Riddle, E.L. (449) 71)

Tropisetron

5-HT₃ receptor; Cocaine; LY 278,584; Sensitization; Tolerance; (Rat) (King, G.R. (449) 253)

UCM707

Endocannabinoid; Uptake inhibition (De Lago, E. (449) 99)

Uptake inhibition

Endocannabinoid; UCM707 (De Lago, E. (449) 99)

Urate

Meningitis; Oxidative stress; Peroxynitrite; MnTBAP; Ascorbate (Kastebauer, S. (449) 177)

Urethra

Adrenoceptor; α_{1A} -Adrenoceptor agonist; $\alpha_{1B/D}$ -Adrenoceptor antagonist; ABT-866; Phenylpropanolamine; Midodrine; ST-1059 (Buckner, S.A. (449) 159)

Urinary bladder

Autonomic neuromuscular transmission; Nongenomic steroid receptor; Testosterone; (Rat); (*Suncus murinus*) (Hall, R. (449) 301)

Uterus, pregnant rat

Ca²⁺ channel, L-type; [³H]Nitrendipine; [³H]Diltiazem; Drotaverine (Tömösközi, Z. (449) 55)

Vasculature

Benzodiazepine; Kidney; (Rat) (Monasterolo, L.A. (449) 155)

Vasopressin receptor antagonism

Heart failure; Myocardial infarction; Remodeling (Van Kerckhoven, R. (449) 135)

VEGF (Vascular endothelial growth factor)

ARPE-19 cell; GSH precursor; 4-Hydroxynonenal; Oxidative stress (Ayalasomayajula, S.P. (449) 213)

VMAT-2 (vesicular monoamine transporter-2)

Cocaine; Methamphetamine; Trafficking; (Rat) (Riddle, E.L. (449) 71)

Xenopus oocyte

P2X₂ receptor; Ion channel; Ca²⁺; Multivalent cation block; Site-directed mutagenesis (Nakazawa, K. (449) 207)