

Keyword index

ACTH (adrenocorticotrophic hormone)

Corticosterone; GABA; Paraventricular nucleus; Stress; L-838,417; Diazepam; Zolpidem; Zopiclone; (Mouse) (Mikkelsen, J.D. (519) 223)

Action potential

Cardiac myocyte; Cell contraction; Ca^{2+} current; Red wine (Liew, R. (519) 1)

Adenosine $\text{A}_{2\text{A}}$ receptor

Caffeine; (Mouse) (El Yacoubi, M. (519) 290)

α_2 -Adrenoceptor

Imidazoline₁-binding site; Body temperature (Cambridge, N. (519) 86)

β_3 -adrenoceptor

AJ-9677; Energy expenditure; Respiratory quotient (Sugimoto, T. (519) 135)

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Nitrgenic nerve; Nitric oxide; Sodium channel activator; *Tityus serrulatus* venom (Teixeira, C.E. (519) 146)

Airway inflammation

IL-4; IL-6; pH; Asthma (Carpagnano, G.E. (519) 175)

AJ-9677

β_3 -adrenoceptor; Energy expenditure; Respiratory quotient (Sugimoto, T. (519) 135)

Allodynia

NMDA receptor antagonist; Memantine; Neramexane; Morphine analgesia; Clonidine; Rat sciatic nerve; Experimental nerve injury (Malyshkin, A.A. (519) 80)

Amentoflavone

GABA_A receptor; Benzodiazepine; Biflavonoid (Hansen, R.S. (519) 199)

AMPA receptor antagonist

Newborn mouse; Stroke; Interleukin-1 β ; Motoneuron; GYKI 52466; GYKI 53405; EGIS-8332; EGIS-10608 (Gressens, P. (519) 58)

Angiogenesis

5-LOX; Colon cancer; Cigarette smoke; MMP; VEGF1 (Ye, Y.N. (519) 52)

Angiotensin converting enzyme inhibition

Hypertension; Diabetes; Vasopeptidase inhibition; Cardiomyopathy (Grönholm, T. (519) 267)

Antinociceptive effect

CHF3381; NMDA receptor antagonist; MAO-A inhibitor; Capsaicin (Bassani, F. (519) 231)

Antioxidant

Inducible nitric oxide synthase; Nitrotyrosine; Isoprostane; Cardiac contractility (Cheng, X. (519) 118)

Antioxidant enzyme

Tectorigenin; Reactive oxygen species (Kang, K.A. (519) 16)

Anxiety

Dopamine D1/5 receptor; Dopamine D2 receptor; Conditioned fear (Inoue, T. (519) 253)

Apoptosis

Permeability transition; Neuroprotection; Mitochondrion (Fuks, B. (519) 24)

Asthma

IL-4; IL-6; pH; Airway inflammation (Carpagnano, G.E. (519) 175)

(Baboon)

Triazolam; Flumazenil; Bretazenil; Benzodiazepine; Physical dependence; Precipitated withdrawal (Weerts, E.M. (519) 103)

Benzodiazepine

Triazolam; Flumazenil; Bretazenil; Physical dependence; Precipitated withdrawal; (Baboon) (Weerts, E.M. (519) 103)

GABA_A receptor; Amentoflavone; Biflavonoid (Hansen, R.S. (519) 199)

Benzodiazepines

Etizolam; GABA_A receptor; Tolerance; Dependence; Gene expression (Sanna, E. (519) 31)

Biflavonoid

GABA_A receptor; Benzodiazepine; Amentoflavone (Hansen, R.S. (519) 199)

Bipolar

Lamotrigine; Monoamine oxidase inhibition; Moclobemide; 5-hydroxytryptophan; Tyramine (Southam, E. (519) 237)

Body temperature

Imidazoline₁-binding site; α_2 -Adrenoceptor (Cambridge, N. (519) 86)

Bretazenil

Triazolam; Flumazenil; Benzodiazepine; Physical dependence; Precipitated withdrawal; (Baboon) (Weerts, E.M. (519) 103)

Ca^{2+} current

Cardiac myocyte; Cell contraction; Action potential; Red wine (Liew, R. (519) 1)

Caffeine

Adenosine $\text{A}_{2\text{A}}$ receptor; (Mouse) (El Yacoubi, M. (519) 290)

Capsaicin

CHF3381; NMDA receptor antagonist; MAO-A inhibitor; Antinociceptive effect (Bassani, F. (519) 231)

Cardiac contractility

Inducible nitric oxide synthase; Nitrotyrosine; Isoprostane; Antioxidant (Cheng, X. (519) 118)

Cardiac myocyte

Cell contraction; Ca^{2+} current; Action potential; Red wine (Liew, R. (519) 1)

Cardiomyopathy

Hypertension; Diabetes; Angiotensin converting enzyme inhibition; Vaso-peptidase inhibition (Grönholm, T. (519) 267)

Cathepsin G

Neutrophil; Platelet; YC-1; P-selectin; fMLP; Whole blood (Liao, C.-H. (519) 158)

Celecoxib

COX-2; Prostaglandin; Ulcer healing; Omeprazole; Misoprostol (Poonam, D. (519) 277)

Cell contraction

Cardiac myocyte; Ca^{2+} current; Action potential; Red wine (Liew, R. (519) 1)

CHF3381

NMDA receptor antagonist; MAO-A inhibitor; Antinociceptive effect; Capsaicin (Bassani, F. (519) 231)

Cigarette smoke

5-LOX; Colon cancer; Angiogenesis; MMP; VEGF1 (Ye, Y.N. (519) 52)

Clonidine

NMDA receptor antagonist; Memantine; Neramexane; Morphine analgesia; Rat sciatic nerve; Allodynia; Experimental nerve injury (Malyshkin, A.A. (519) 80)

Clozapine

Schizophrenia; NMDA receptor; Phencyclidine; Cognition; Haloperidol (Hashimoto, K. (519) 114)

Cognition

Schizophrenia; NMDA receptor; Phencyclidine; Clozapine; Haloperidol (Hashimoto, K. (519) 114)

Colon cancer

5-LOX; Cigarette smoke; Angiogenesis; MMP; VEGF1 (Ye, Y.N. (519) 52)

Conditioned fear

Dopamine D1/5 receptor; Dopamine D2 receptor; Anxiety (Inoue, T. (519) 253)

Conditioned place aversion

Dopamine; G-protein-activated inwardly rectifying potassium channel; Morphine; Withdrawal (Sato, M. (519) 215)

Corticosterone

ACTH (adrenocorticotrophic hormone); GABA; Paraventricular nucleus; Stress; L-838,417; Diazepam; Zolpidem; Zopiclone; (Mouse) (Mikkelsen, J.D. (519) 223)

COX-2

Prostaglandin; Ulcer healing; Omeprazole; Misoprostol; Celecoxib (Poonam, D. (519) 277)

Cyclic AMP

Phosphodiesterase 3; Trequinsin; Formalin test (Torres-López, J.E. (519) 75)

Dependence

Etizolam; Benzodiazepines; GABA_A receptor; Tolerance; Gene expression (Sanna, E. (519) 31)

Diabetes

Hypertension; Angiotensin converting enzyme inhibition; Vaso-peptidase inhibition; Cardiomyopathy (Grönholm, T. (519) 267)

Diazepam

ACTH (adrenocorticotrophic hormone); Corticosterone; GABA; Paraventricular nucleus; Stress; L-838,417; Zolpidem; Zopiclone; (Mouse) (Mikkelsen, J.D. (519) 223)

Dopamine

Peptide YY; Hypothalamus; Norepinephrine; Serotonin (Brunetti, L. (519) 48)

Conditioned place aversion; G-protein-activated inwardly rectifying potassium channel; Morphine; Withdrawal (Sato, M. (519) 215)

Dopamine D1/5 receptor

Dopamine D2 receptor; Anxiety; Conditioned fear (Inoue, T. (519) 253)

Dopamine D2 receptor

Dopamine D1/5 receptor; Anxiety; Conditioned fear (Inoue, T. (519) 253)

Drug discrimination

Subjective effect; Reward; Nicotine; Ethanol; (Rat) (Le Foll, B. (519) 96)

EGIS-10608

AMPA receptor antagonist; Newborn mouse; Stroke; Interleukin-1beta; Motoneuron; GYKI 52466; GYKI 53405; EGIS-8332 (Gressens, P. (519) 58)

EGIS-8332

AMPA receptor antagonist; Newborn mouse; Stroke; Interleukin-1beta; Motoneuron; GYKI 52466; GYKI 53405; EGIS-10608 (Gressens, P. (519) 58)

Energy expenditure

β_3 -adrenoceptor; AJ-9677; Respiratory quotient (Sugimoto, T. (519) 135)

Ethanol

Subjective effect; Drug discrimination; Reward; Nicotine; (Rat) (Le Foll, B. (519) 96)

GABA_B (metabotropic γ -aminobutyric acid) receptor; GHB (γ -hydroxybutyric acid); RNAi (*Drosophila melanogaster*) (Dimitrijevic, N. (519) 246)

Etizolam

Benzodiazepines; GABA_A receptor; Tolerance; Dependence; Gene expression (Sanna, E. (519) 31)

Experimental nerve injury

NMDA receptor antagonist; Memantine; Neramexane; Morphine analgesia; Clonidine; Rat sciatic nerve; Allodynia (Malyshkin, A.A. (519) 80)

FK614

Nonthiazolidindione; Insulin sensitizer; Zucker fatty rat; PPAR (peroxisome proliferator-activated receptor) γ (Minoura, H. (519) 182)

Flumazenil

Triazolam; Bretazenil; Benzodiazepine; Physical dependence; Precipitated withdrawal; (Baboon) (Weerts, E.M. (519) 103)

fMLP

Neutrophil; Platelet; YC-1; P-selectin; Cathepsin G; Whole blood (Liao, C.-H. (519) 158)

Formalin test

Phosphodiesterase 3; Cyclic AMP; Trequinsin (Torres-López, J.E. (519) 75)

GABA

ACTH (adrenocorticotrophic hormone); Corticosterone; Paraventricular nucleus; Stress; L-838,417; Diazepam; Zolpidem; Zopiclone; (Mouse) (Mikkelsen, J.D. (519) 223)

GABA (γ -aminobutyric acid) uptake

Murine GABA transporter (mGAT1-4); Structure activity relationship; Subtype selectivity (Kragler, A. (519) 43)

GABA_A receptor

Etizolam; Benzodiazepines; Tolerance; Dependence; Gene expression (Sanna, E. (519) 31)

Benzodiazepine; Amentoflavone; Biflavonoid (Hansen, R.S. (519) 199)

GABA_B (metabotropic γ -aminobutyric acid) receptor

GHB (γ -hydroxybutyric acid); Ethanol; RNAi (*Drosophila melanogaster*) (Dimitrijevic, N. (519) 246)

Gastroesophageal reflux

Glutamate; Lower esophageal sphincter; 2-methyl-6-(phenylethynyl)-pyridine; MPEP (Jensen, J. (519) 154)

Gene expression

Etizolam; Benzodiazepines; GABA_A receptor; Tolerance; Dependence (Sanna, E. (519) 31)

GHB (γ -hydroxybutyric acid)

GABA_B (metabotropic γ -aminobutyric acid) receptor; Ethanol; RNAi (*Drosophila melanogaster*) (Dimitrijevic, N. (519) 246)

Glutamate

Lower esophageal sphincter; 2-methyl-6-(phenylethynyl)-pyridine; MPEP; Gastroesophageal reflux (Jensen, J. (519) 154)

G-protein-activated inwardly rectifying potassium channel

Conditioned place aversion; Dopamine; Morphine; Withdrawal (Sato, M. (519) 215)

GYKI 52466

AMPA receptor antagonist; Newborn mouse; Stroke; Interleukin-1 β ; Motoneuron; GYKI 53405; EGIS-8332; EGIS-10608 (Gressens, P. (519) 58)

GYKI 53405

AMPA receptor antagonist; Newborn mouse; Stroke; Interleukin-1 β ; Motoneuron; GYKI 52466; EGIS-8332; EGIS-10608 (Gressens, P. (519) 58)

Haloperidol

Schizophrenia; NMDA receptor; Phencyclidine; Cognition; Clozapine (Hashimoto, K. (519) 114)

HERG (human ether-a-go-go related gene)

QTc interval prolongation; Propranolol (Yao, X. (519) 208)

H⁺/K⁺-ATPase

Rat atrium; Inotropy; Omeprazole; Lansoprazole; SCH 28080 (Yenisehirli, A. (519) 259)

Huperzine A

Oxidative stress; Nerve growth factor; MAP (mitogen-activated protein) kinase; TrkA (tyrosine kinase A) receptor (Tang, L.-L. (519) 9)

5-hydroxytryptamine₃ receptor

Transmural electrical stimulation; Short-circuit current; Muscarinic cholinergic receptor; Intestinal mucosa (Townsend IV, D. (519) 285)

5-hydroxytryptophan

Lamotrigine; Bipolar; Monoamine oxidase inhibition; Moclobemide; Tyramine (Southam, E. (519) 237)

Hypertension

Diabetes; Angiotensin converting enzyme inhibition; Vasopeptidase inhibition; Cardiomyopathy (Grönholm, T. (519) 267)

Hypothalamus

Peptide YY; Dopamine; Norepinephrine; Serotonin (Brunetti, L. (519) 48)

IL-4

IL-6; pH; Asthma; Airway inflammation (Carpagnano, G.E. (519) 175)

IL-6

IL-4; pH; Asthma; Airway inflammation (Carpagnano, G.E. (519) 175)

Imidazoline binding sites

Pig brain; Monoamine oxidase (Anderson, N.J. (519) 68)

Imidazoline₁-binding site

α_2 -Adrenoceptor; Body temperature (Cambridge, N. (519) 86)

Inducible nitric oxide synthase

Nitrotyrosine; Isoprostane; Cardiac contractility; Antioxidant (Cheng, X. (519) 118)

Inotropy

H⁺/K⁺-ATPase; Rat atrium; Omeprazole; Lansoprazole; SCH 28080 (Yenisehirli, A. (519) 259)

Insulin

Sodium tungstate; Somatostatin; Rat pancreas (Silvestre, R.A. (519) 127)

Insulin sensitizer

FK614; Nonthiazolidindione; Zucker fatty rat; PPAR (peroxisome proliferator-activated receptor) γ (Minoura, H. (519) 182)

Interferon- γ

Pituitocytes; Interleukin-1 β ; Interleukin-6; Nitric oxide; Neural lobe; Neurohypophysis (Thorn, A. (519) 168)

Interleukin-1 β

Pituitocytes; Interferon- γ ; Interleukin-6; Nitric oxide; Neural lobe; Neurohypophysis (Thorn, A. (519) 168)

Interleukin-1 β antagonist

AMPA receptor antagonist; Newborn mouse; Stroke; Motoneuron; GYKI 52466; GYKI 53405; EGIS-8332; EGIS-10608 (Gressens, P. (519) 58)

Interleukin-6

Pituitocytes; Interferon- γ ; Interleukin-1 β ; Nitric oxide; Neural lobe; Neurohypophysis (Thorn, A. (519) 168)

Intestinal mucosa

Transmural electrical stimulation; Short-circuit current; 5-hydroxytryptamine₃ receptor; Muscarinic cholinergic receptor (Townsend IV, D. (519) 285)

Isoprostane

Inducible nitric oxide synthase; Nitrotyrosine; Cardiac contractility; Antioxidant (Cheng, X. (519) 118)

L-838,417

ACTH (adrenocorticotrophic hormone); Corticosterone; GABA; Paraventricular nucleus; Stress; Diazepam; Zolpidem; Zopiclone; (Mouse) (Mikkelsen, J.D. (519) 223)

Lamotrigine

Bipolar; Monoamine oxidase inhibition; Moclobemide; 5-hydroxytryptophan; Tyramine (Southam, E. (519) 237)

Lansoprazole

H⁺/K⁺-ATPase; Rat atrium; Inotropy; Omeprazole; SCH 28080 (Yenisehirli, A. (519) 259)

Lower esophageal sphincter

Glutamate; 2-methyl-6-(phenylethynyl)-pyridine; MPEP; Gastroesophageal reflux (Jensen, J. (519) 154)

5-LOX

Colon cancer; Cigarette smoke; Angiogenesis; MMP; VEGF1 (Ye, Y.N. (519) 52)

MAO-A inhibitor

CHF3381; NMDA receptor antagonist; Antinociceptive effect; Capsaicin (Bassani, F. (519) 231)

MAP (mitogen-activated protein) kinase

Huperzine A; Oxidative stress; Nerve growth factor; TrkA (tyrosine kinase A) receptor (Tang, L.-L. (519) 9)

Memantine

NMDA receptor antagonist; Neramexane; Morphine analgesia; Clonidine; Rat sciatic nerve; Allodynia; Experimental nerve injury (Malyshkin, A.A. (519) 80)

2-methyl-6-(phenylethynyl)-pyridine

Glutamate; Lower esophageal sphincter; MPEP; Gastroesophageal reflux (Jensen, J. (519) 154)

Misoprostol

COX-2; Prostaglandin; Ulcer healing; Omeprazole; Celecoxib (Poonam, D. (519) 277)

Mitochondrion

Permeability transition; Apoptosis; Neuroprotection (Fuks, B. (519) 24)

MMP

5-LOX; Colon cancer; Cigarette smoke; Angiogenesis; VEGF1 (Ye, Y.N. (519) 52)

Moclobemide

Lamotrigine; Bipolar; Monoamine oxidase inhibition; 5-hydroxytryptophan; Tyramine (Southam, E. (519) 237)

Monoamine oxidase

Imidazoline binding sites; Pig brain (Anderson, N.J. (519) 68)

Monoamine oxidase inhibition

Lamotrigine; Bipolar; Moclobemide; 5-hydroxytryptophan; Tyramine (Southam, E. (519) 237)

Morphine

Naloxone; Place aversion; α_7 Nicotinic acetylcholine receptor subtype; $\alpha_4\beta_2$ Nicotinic acetylcholine receptor subtype (Motoshima, S. (519) 91)

δ -opioid receptor; Receptor phosphorylation (Navratilova, E. (519) 212)

Conditioned place aversion; Dopamine; G-protein-activated inwardly rectifying potassium channel; Withdrawal (Sato, M. (519) 215)

Morphine analgesia

NMDA receptor antagonist; Memantine; Neramexane; Clonidine; Rat sciatic nerve; Allodynia; Experimental nerve injury (Malyshkin, A.A. (519) 80)

Motoneuron

AMPA receptor antagonist; Newborn mouse; Stroke; Interleukin-1beta; GYKI 52466; GYKI 53405; EGIS-8332; EGIS-10608 (Gressens, P. (519) 58)

(Mouse)

ACTH (adrenocorticotrophic hormone); Corticosterone; GABA; Paraventricular nucleus; Stress; L-838,417; Diazepam; Zolpidem; Zopiclone (Mikkelsen, J.D. (519) 223)

Caffeine; Adenosine A_{2A} receptor (El Yacoubi, M. (519) 290)

MPEP

Glutamate; Lower esophageal sphincter; 2-methyl-6-(phenylethynyl)-pyridine; Gastroesophageal reflux (Jensen, J. (519) 154)

Murine GABA transporter (mGAT1-4)

GABA (γ -aminobutyric acid) uptake; Structure activity relationship; Subtype selectivity (Kragler, A. (519) 43)

Muscarinic cholinergic receptor

Transmural electrical stimulation; Short-circuit current; 5-hydroxytryptamine₃ receptor; Intestinal mucosa (Townsend IV, D. (519) 285)

Naloxone

Morphine; Place aversion; α_7 Nicotinic acetylcholine receptor subtype; $\alpha_4\beta_2$ Nicotinic acetylcholine receptor subtype (Motoshima, S. (519) 91)

Neramexane

NMDA receptor antagonist; Memantine; Morphine analgesia; Clonidine; Rat sciatic nerve; Allodynia; Experimental nerve injury (Malyshkin, A.A. (519) 80)

Nerve growth factor

Huperzine A; Oxidative stress; MAP (mitogen-activated protein) kinase; TrkA (tyrosine kinase A) receptor (Tang, L.-L. (519) 9)

Neural lobe

Pituicytes; Interferon- γ ; Interleukin-1 β ; Interleukin-6; Nitric oxide; Neurohypophysis (Thorn, A. (519) 168)

Neurohypophysis

Pituicytes; Interferon- γ ; Interleukin-1 β ; Interleukin-6; Nitric oxide; Neural lobe (Thorn, A. (519) 168)

Neuroprotection

Permeability transition; Apoptosis; Mitochondrion (Fuks, B. (519) 24)

Neutrophil

Platelet; YC-1; P-selectin; Cathepsin G; fMLP; Whole blood (Liao, C.-H. (519) 158)

Newborn mouse

AMPA receptor antagonist; Stroke; Interleukin-1beta; Motoneuron; GYKI 52466; GYKI 53405; EGIS-8332; EGIS-10608 (Gressens, P. (519) 58)

Nicotine

Subjective effect; Drug discrimination; Reward; Ethanol; (Rat) (Le Foll, B. (519) 96)

 $\alpha_4\beta_2$ Nicotinic acetylcholine receptor subtype

Morphine; Naloxone; Place aversion; α_7 Nicotinic acetylcholine receptor subtype (Motoshima, S. (519) 91)

 α_7 Nicotinic acetylcholine receptor subtype

Morphine; Naloxone; Place aversion; $\alpha_4\beta_2$ Nicotinic acetylcholine receptor subtype (Motoshima, S. (519) 91)

Nitrgenic nerve

β -Adrenoceptor antagonist; Nitric oxide; Sodium channel activator; *Tityus serrulatus* venom (Teixeira, C.E. (519) 146)

Nitric oxide

β -Adrenoceptor antagonist; Nitrgenic nerve; Sodium channel activator; *Tityus serrulatus* venom (Teixeira, C.E. (519) 146)

Pituitocytes; Interferon- γ ; Interleukin-1 β ; Interleukin-6; Neural lobe; Neurophypophysis (Thorn, A. (519) 168)

Nitrotyrosine

Inducible nitric oxide synthase; Isoprostane; Cardiac contractility; Anti-oxidant (Cheng, X. (519) 118)

NMDA receptor

Schizophrenia; Phencyclidine; Cognition; Clozapine; Haloperidol (Hashimoto, K. (519) 114)

NMDA receptor antagonist

Memantine; Neramexane; Morphine analgesia; Clonidine; Rat sciatic nerve; Allodynia; Experimental nerve injury (Malyshkin, A.A. (519) 80)

CHF3381; MAO-A inhibitor; Antinociceptive effect; Capsaicin (Bassani, F. (519) 231)

Nociception

Receptor; Surrogate ligand (Nothacker, H.-P. (519) 191)

Nonthiazolidindione

FK614; Insulin sensitizer; Zucker fatty rat; PPAR (peroxisome proliferator-activated receptor) γ (Minoura, H. (519) 182)

Norepinephrine

Peptide YY; Hypothalamus; Dopamine; Serotonin (Brunetti, L. (519) 48)

Omeprazole

H⁺/K⁺-ATPase; Rat atrium; Inotropy; Lansoprazole; SCH 28080 (Yenisehirli, A. (519) 259)

COX-2; Prostaglandin; Ulcer healing; Misoprostol; Celecoxib (Poonam, D. (519) 277)

 δ -opioid receptor

Morphine; Receptor phosphorylation (Navratilova, E. (519) 212)

Oxidative stress

Huperzine A; Nerve growth factor; MAP (mitogen-activated protein) kinase; TrkA (tyrosine kinase A) receptor (Tang, L.-L. (519) 9)

Paraventricular nucleus

ACTH (adrenocorticotrophic hormone); Corticosterone; GABA; Stress; L-838,417; Diazepam; Zolpidem; Zopiclone; (Mouse) (Mikkelsen, J.D. (519) 223)

Peptide YY

Hypothalamus; Dopamine; Norepinephrine; Serotonin (Brunetti, L. (519) 48)

Permeability transition

Apoptosis; Neuroprotection; Mitochondrion (Fuks, B. (519) 24)

pH

IL-4; IL-6; Asthma; Airway inflammation (Carpagnano, G.E. (519) 175)

Phencyclidine

Schizophrenia; NMDA receptor; Cognition; Clozapine; Haloperidol (Hashimoto, K. (519) 114)

Phosphodiesterase 3

Cyclic AMP; Trequinsin; Formalin test (Torres-López, J.E. (519) 75)

Physical dependence

Triazolam; Flumazenil; Bretazenil; Benzodiazepine; Precipitated withdrawal; (Baboon) (Weerts, E.M. (519) 103)

Pig brain

Imidazoline binding sites; Monoamine oxidase (Anderson, N.J. (519) 68)

Pituitocytes

Interferon- γ ; Interleukin-1 β ; Interleukin-6; Nitric oxide; Neural lobe; Neurophypophysis (Thorn, A. (519) 168)

Place aversion

Morphine; Naloxone; α_7 Nicotinic acetylcholine receptor subtype; $\alpha_4\beta_2$ Nicotinic acetylcholine receptor subtype (Motoshima, S. (519) 91)

Platelet

Neutrophil; YC-1; P-selectin; Cathepsin G; fMLP; Whole blood (Liao, C.-H. (519) 158)

PPAR (peroxisome proliferator-activated receptor) γ

FK614; Nonthiazolidindione; Insulin sensitizer; Zucker fatty rat (Minoura, H. (519) 182)

Precipitated withdrawal

Triazolam; Flumazenil; Bretazenil; Benzodiazepine; Physical dependence; (Baboon) (Weerts, E.M. (519) 103)

Propranolol

QTc interval prolongation; HERG (human ether-a-go-go related gene) (Yao, X. (519) 208)

Prostaglandin

COX-2; Ulcer healing; Omeprazole; Misoprostol; Celecoxib (Poonam, D. (519) 277)

P-selectin

Neutrophil; Platelet; YC-1; Cathepsin G; fMLP; Whole blood (Liao, C.-H. (519) 158)

QTc interval prolongation

HERG (human ether-a-go-go related gene); Propranolol (Yao, X. (519) 208)

(Rat)

Subjective effect; Drug discrimination; Reward; Nicotine; Ethanol (Le Foll, B. (519) 96)

Rat atrium

H⁺/K⁺-ATPase; Inotropy; Omeprazole; Lansoprazole; SCH 28080 (Yenisehirli, A. (519) 259)

Rat pancreas

Sodium tungstate; Insulin; Somatostatin (Silvestre, R.A. (519) 127)

Rat sciatic nerve

NMDA receptor antagonist; Memantine; Neramexane; Morphine analgesia; Clonidine; Allodynia; Experimental nerve injury (Malyshkin, A.A. (519) 80)

Reactive oxygen species

Tectorigenin; Antioxidant enzyme (Kang, K.A. (519) 16)

Receptor

Nociception; Surrogate ligand (Nothacker, H.-P. (519) 191)

Receptor phosphorylation

δ-opioid receptor; Morphine (Navratilova, E. (519) 212)

Red wine

Cardiac myocyte; Cell contraction; Ca²⁺ current; Action potential (Liew, R. (519) 1)

Respiratory quotient

β₃-adrenoceptor; AJ-9677; Energy expenditure (Sugimoto, T. (519) 135)

Reward

Subjective effect; Drug discrimination; Nicotine; Ethanol; (Rat) (Le Foll, B. (519) 96)

RNAi (*Drosophila melanogaster*)

GABA_B (metabotropic γ-aminobutyric acid) receptor; GHB (γ-hydroxybutyric acid); Ethanol (Dimitrijevic, N. (519) 246)

SCH 28080

H⁺/K⁺-ATPase; Rat atrium; Inotropy; Omeprazole; Lansoprazole (Yenisehirli, A. (519) 259)

Schizophrenia

NMDA receptor; Phencyclidine; Cognition; Clozapine; Haloperidol (Hashimoto, K. (519) 114)

Serotonin

Peptide YY; Hypothalamus; Dopamine; Norepinephrine (Brunetti, L. (519) 48)

Short-circuit current

Transmural electrical stimulation; 5-hydroxytryptamine₃ receptor; Muscarinic cholinergic receptor; Intestinal mucosa (Townsend IV, D. (519) 285)

Sodium channel activator

β-Adrenoceptor antagonist; Nitrergic nerve; Nitric oxide; *Tityus serrulatus* venom (Teixeira, C.E. (519) 146)

Sodium tungstate

Insulin; Somatostatin; Rat pancreas (Silvestre, R.A. (519) 127)

Somatostatin

Sodium tungstate; Insulin; Rat pancreas (Silvestre, R.A. (519) 127)

Stress

ACTH (adrenocorticotrophic hormone); Corticosterone; GABA; Paraventricular nucleus; L-838,417; Diazepam; Zolpidem; Zopiclone; (Mouse) (Mikkelsen, J.D. (519) 223)

Stroke

AMPA receptor antagonist; Newborn mouse; Interleukin-1β; Motoneuron; GYKI 52466; GYKI 53405; EGIS-8332; EGIS-10608 (Gressens, P. (519) 58)

Structure activity relationship

Murine GABA transporter (mGAT1-4); GABA (γ-aminobutyric acid) uptake; Subtype selectivity (Kragler, A. (519) 43)

Subjective effect

Drug discrimination; Reward; Nicotine; Ethanol; (Rat) (Le Foll, B. (519) 96)

Subtype selectivity

Murine GABA transporter (mGAT1-4); GABA (γ-aminobutyric acid) uptake; Structure activity relationship (Kragler, A. (519) 43)

Surrogate ligand

Nociception; Receptor (Nothacker, H.-P. (519) 191)

Tectorigenin

Reactive oxygen species; Antioxidant enzyme (Kang, K.A. (519) 16)

***Tityus serrulatus* venom**

β-Adrenoceptor antagonist; Nitrergic nerve; Nitric oxide; Sodium channel activator (Teixeira, C.E. (519) 146)

Tolerance

Etizolam; Benzodiazepines; GABA_A receptor; Dependence; Gene expression (Sanna, E. (519) 31)

Transmural electrical stimulation

Short-circuit current; 5-hydroxytryptamine₃ receptor; Muscarinic cholinergic receptor; Intestinal mucosa (Townsend IV, D. (519) 285)

Trequinsin

Phosphodiesterase 3; Cyclic AMP; Formalin test (Torres-López, J.E. (519) 75)

Triazolam

Flumazenil; Bretazenil; Benzodiazepine; Physical dependence; Precipitated withdrawal; (Baboon) (Weerts, E.M. (519) 103)

TrkA (tyrosine kinase A) receptor

Huperzine A; Oxidative stress; Nerve growth factor; MAP (mitogen-activated protein) kinase (Tang, L.-L. (519) 9)

Tyramine

Lamotrigine; Bipolar; Monoamine oxidase inhibition; Moclobemide; 5-hydroxytryptophan (Southam, E. (519) 237)

Ulcer healing

COX-2; Prostaglandin; Omeprazole; Misoprostol; Celecoxib (Poonam, D. (519) 277)

Vasopeptidase inhibition

Hypertension; Diabetes; Angiotensin converting enzyme inhibition; Cardiomyopathy (Grönholm, T. (519) 267)

VEGF1

5-LOX; Colon cancer; Cigarette smoke; Angiogenesis; MMP (Ye, Y.N. (519) 52)

Whole blood

Neutrophil; Platelet; YC-1; P-selectin; Cathepsin G; fMLP (Liao, C.-H. (519) 158)

Withdrawal

Conditioned place aversion; Dopamine; G-protein-activated inwardly rectifying potassium channel; Morphine (Sato, M. (519) 215)

YC-1

Neutrophil; Platelet; P-selectin; Cathepsin G; fMLP; Whole blood (Liao, C.-H. (519) 158)

Zolpidem

ACTH (adrenocorticotrophic hormone); Corticosterone; GABA; Paraventricular nucleus; Stress; L-838,417; Diazepam; Zopiclone; (Mouse) (Mikkelsen, J.D. (519) 223)

Zopiclone

ACTH (adrenocorticotrophic hormone); Corticosterone; GABA; Paraventricular nucleus; Stress; L-838,417; Diazepam; Zolpidem; (Mouse) (Mikkelsen, J.D. (519) 223)

Zucker fatty rat

FK614; Nonthiazolidindione; Insulin sensitizer; PPAR (peroxisome proliferator-activated receptor γ) (Minoura, H. (519) 182)