

Keyword index

α_2 adrenergic receptor

Signal transduction; G protein-coupled receptor; μ -Opiate receptor; 5-HT_{1A} receptor (Happe, H.K. (422) 1)

Action potential duration

Cisapride; Inward rectifier current; Ventricular myocardium, rabbit; Myocyte; K⁺ channel blocker (Dumotier, B.M. (422) 137)

Activin-like kinase 5

TGF β (transforming growth factor- β); Fibronectin; Smooth muscle, human prostate; Prostatic hyperplasia, benign; Extracellular matrix (Butter, S. (422) 47)

Adenylyl cyclase

β_2 -Adrenoceptor; Ca²⁺; CamKinase (Ca²⁺-calmodulin-dependent protein kinase) (Rousseau, G. (422) 53)

Adipocyte differentiation

Glucose transport; Pioglitazone; Peroxisome proliferator-activated receptor γ (PPAR γ); Cell proliferation; Thiazolidinedione (Takamura, T. (422) 23)

α_1 -Adrenoceptor

Vas deferens, rat; Smooth muscle relaxation; Co-transmission; ATP; P2 receptor; Noradrenaline (Bültmann, R. (422) 197)

β_2 -Adrenoceptor

Adenylyl cyclase; Ca²⁺; CamKinase (Ca²⁺-calmodulin-dependent protein kinase) (Rousseau, G. (422) 53)

β_3 -Adrenoceptor

Nasal epithelium, rabbit; Transepithelial potential difference; Cl[−] conductance (Danner, I. (422) 203)

β -Adrenoceptor antagonist

Ca²⁺ sensitivity; Nebivolol; Heart failure; Myocardium, human (Bundkirchen, A. (422) 175)

α_1 -Adrenoceptor subtype

Femoral resistance artery; (Rat) (Jarajapu, Y.P.R. (422) 127)

Allodynia

Diabetes; Vanilloid VR1 receptor; Hyperalgesia; Capsaicin; Spinal cord (Kamei, J. (422) 83)

Amphetamine

σ Receptor; Trishomocubane; Azahexacyclo[5.4.1.0^{2,6}.0^{3,10}.0^{5,9}.0^{8,11}] dodecane; Dopamine release (Liu, X. (422) 39)

Neurotensin; Hyperactivity; Antipsychotic; NT69L (Hertel, P. (422) 77)

CP 94,253; SB 216641; 5-HT_{1B} receptor; Locomotor activity; Sensitization; (Mouse) (Przegalinski, E. (422) 91)

Antioxidant

Magnolol; Myocardial ischemia; Arrhythmia; Neutrophil (Lee, Y.-M. (422) 159)

Antipsychotic

Neurotensin; Hyperactivity; Amphetamine; NT69L (Hertel, P. (422) 77)

Arrhythmia

Magnolol; Antioxidant; Myocardial ischemia; Neutrophil (Lee, Y.-M. (422) 159)

ATP

Vas deferens, rat; Smooth muscle relaxation; Co-transmission; P2 receptor; Noradrenaline; α_1 -Adrenoceptor (Bültmann, R. (422) 197)

Atrial function

Enzyme; Hormone; Inotropic agent; Signal transduction (Bordallo, C. (422) 101)

Azahexacyclo[5.4.1.0^{2,6}.0^{3,10}.0^{5,9}.0^{8,11}] dodecane

σ Receptor; Trishomocubane; Dopamine release; Amphetamine (Liu, X. (422) 39)

Ca²⁺

β_2 -Adrenoceptor; Adenylyl cyclase; CamKinase (Ca²⁺-calmodulin-dependent protein kinase) (Rousseau, G. (422) 53)

Ca²⁺ channel

Endothelin-1; Cell proliferation (Kawanabe, Y. (422) 15)

Ca²⁺ channel antagonist

Endothelin-1; Extracellular signal-regulated kinase; Nitric oxide (NO); (Rat) (Kobayashi, N. (422) 149)

Ca²⁺, intracellular

Metoprolol; Ischemia; Myocardial infarction (Min, J.-Y. (422) 115)

CamKinase (Ca²⁺-calmodulin-dependent protein kinase)

β_2 -Adrenoceptor; Adenylyl cyclase; Ca²⁺ (Rousseau, G. (422) 53)

Capsaicin

Diabetes; Vanilloid VR1 receptor; Allodynia; Hyperalgesia; Spinal cord (Kamei, J. (422) 83)

Ca²⁺ sensitivity

β -Adrenoceptor antagonist; Nebivolol; Heart failure; Myocardium, human (Bundkirchen, A. (422) 175)

Cell proliferation

Endothelin-1; Ca²⁺ channel (Kawanabe, Y. (422) 15)

Adipocyte differentiation; Glucose transport; Pioglitazone; Peroxisome proliferator-activated receptor γ (PPAR γ); Thiazolidinedione (Takamura, T. (422) 23)

Cisapride

Action potential duration; Inward rectifier current; Ventricular myocardium, rabbit; Myocyte; K^+ channel blocker (Dumotier, B.M. (422) 137)

 Cl^- conductance

Nasal epithelium, rabbit; Transepithelial potential difference; β_3 -Adrenoceptor (Danner, I. (422) 203)

Cocaine

MDMA (methylenedioxymethamphetamine); Ventricle; Mesenteric artery, small; Noradrenaline (Al-Sahli, W. (422) 169)

Co-transmission

Vas deferens, rat; Smooth muscle relaxation; ATP; P2 receptor; Noradrenaline; α_1 -Adrenoceptor (Bültmann, R. (422) 197)

CP 94,253

Amphetamine; SB 216641; 5-HT_{1B} receptor; Locomotor activity; Sensitization; (Mouse) (Przegalinski, E. (422) 91)

Dextromethorphan

Dextrophan; Morphine; Methamphetamine; Nicotine; Drug addiction (Glick, S.D. (422) 87)

Dextrophan

Dextromethorphan; Morphine; Methamphetamine; Nicotine; Drug addiction (Glick, S.D. (422) 87)

Diabetes

Vanilloid VR1 receptor; Allodynia; Hyperalgesia; Capsaicin; Spinal cord (Kamei, J. (422) 83)

Dopamine

Normobaric oxygen; Striatum; Monoamineoxidase inhibition; (Rat) (Adachi, Y.U. (422) 61)

Dopamine release

σ Receptor; Trishomocubane; Azahexacyclo[5.4.1.0^{2,6}.0^{3,10}.0^{5,9}.0^{8,11}] dodecane; Amphetamine (Liu, X. (422) 39)

Drug addiction

Dextromethorphan; Dextrophan; Morphine; Methamphetamine; Nicotine (Glick, S.D. (422) 87)

E3040

5-Lipoxygenase; Thromboxane A₂ synthetase (Oketani, K. (422) 209)

Emesis

Vanilloid; Genital-grooming; *Suncus murinus*; (Shrew) (Rudd, J.A. (422) 185)

EMT (Extraneuronal monoamine transporter)

P-glycoprotein; Organic cation; MPP⁺ (1-methyl-4-phenylpyridinium) (Martel, F. (422) 31)

Endothelin-1

Ca^{2+} channel; Cell proliferation (Kawanabe, Y. (422) 15)

Ca^{2+} channel antagonist; Extracellular signal-regulated kinase; Nitric oxide (NO); (Rat) (Kobayashi, N. (422) 149)

Enzyme

Atrial function; Hormone; Inotropic agent; Signal transduction (Bordallo, C. (422) 101)

Extracellular matrix

TGF β (transforming growth factor- β); Fibronectin; Smooth muscle, human prostate; Prostatic hyperplasia, benign; Activin-like kinase 5 (Butter, S. (422) 47)

Extracellular signal-regulated kinase

Ca^{2+} channel antagonist; Endothelin-1; Nitric oxide (NO); (Rat) (Kobayashi, N. (422) 149)

Femoral resistance artery

α_1 -Adrenoceptor subtype; (Rat) (Jarajapu, Y.P.R. (422) 127)

Fibronectin

TGF β (transforming growth factor- β); Smooth muscle, human prostate; Prostatic hyperplasia, benign; Activin-like kinase 5; Extracellular matrix (Butter, S. (422) 47)

Genital-grooming

Vanilloid; Emesis; *Suncus murinus*; (Shrew) (Rudd, J.A. (422) 185)

Glibenclamide

KATP channel; U-37883A; Levromakalim; Vascular tone, pulmonary; (Cat) (Shirai, M. (422) 181)

Glucose transport

Adipocyte differentiation; Pioglitazone; Peroxisome proliferator-activated receptor γ (PPAR γ); Cell proliferation; Thiazolidinedione (Takamura, T. (422) 23)

G protein-coupled receptor

Signal transduction; α_2 adrenergic receptor; μ -Opiate receptor; 5-HT_{1A} receptor (Happe, H.K. (422) 1)

Heart failure

Ca^{2+} sensitivity; β -Adrenoceptor antagonist; Nebivolol; Myocardium, human (Bundkirchen, A. (422) 175)

Hippocampus

Lipopolysaccharide; Long-term potentiation; Long-term depression; NMDA receptor (Jo, J.-H. (422) 69)

Hormone

Atrial function; Enzyme; Inotropic agent; Signal transduction (Bordallo, C. (422) 101)

5-HT_{1A} receptor

Signal transduction; α_2 adrenergic receptor; G protein-coupled receptor; μ -Opiate receptor (Happe, H.K. (422) 1)

5-HT_{1B} receptor

Amphetamine; CP 94,253; SB 216641; Locomotor activity; Sensitization; (Mouse) (Przegalinski, E. (422) 91)

Hyperactivity

Neurotensin; Amphetamine; Antipsychotic; NT69L (Hertel, P. (422) 77)

Hyperalgesia

Diabetes; Vanilloid VR1 receptor; Allodynia; Capsaicin; Spinal cord (Kamei, J. (422) 83)

Inotropic agent

Atrial function; Enzyme; Hormone; Signal transduction (Bordallo, C. (422) 101)

Inward rectifier current

Cisapride; Action potential duration; Ventricular myocardium, rabbit; Myocyte; K^+ channel blocker (Dumotier, B.M. (422) 137)

Ischemia

Metoprolol; Ca^{2+} , intracellular; Myocardial infarction (Min, J.-Y. (422) 115)

KATP channel

Glibenclamide; U-37883A; Levromakalim; Vascular tone, pulmonary; (Cat) (Shirai, M. (422) 181)

 K^+ channel blocker

Cisapride; Action potential duration; Inward rectifier current; Ventricular myocardium, rabbit; Myocyte (Dumotier, B.M. (422) 137)

Levromakalim

KATP channel; Glibenclamide; U-37883A; Vascular tone, pulmonary; (Cat) (Shirai, M. (422) 181)

Lipopolysaccharide

Long-term potentiation; Long-term depression; NMDA receptor; Hippocampus (Jo, J.-H. (422) 69)

5-Lipoxygenase

E3040; Thromboxane A_2 synthetase (Oketani, K. (422) 209)

Locomotor activity

Amphetamine; CP 94,253; SB 216641; 5-HT_{1B} receptor; Sensitization; (Mouse) (Przegalinski, E. (422) 91)

Long-term depression

Lipopolysaccharide; Long-term potentiation; NMDA receptor; Hippocampus (Jo, J.-H. (422) 69)

Long-term potentiation

Lipopolysaccharide; Long-term depression; NMDA receptor; Hippocampus (Jo, J.-H. (422) 69)

Magnolol

Antioxidant; Myocardial ischemia; Arrhythmia; Neutrophil (Lee, Y.-M. (422) 159)

MDMA (methylenedioxymethamphetamine)

Cocaine; Ventricle; Mesenteric artery, small; Noradrenaline (Al-Sahli, W. (422) 169)

Mean circulatory filling pressure

Phosphodiesterase type 5; Vascular compliance; Unstressed volume (Inoue, H. (422) 109)

Mesenteric artery, small

MDMA (methylenedioxymethamphetamine); Cocaine; Ventricle; Noradrenaline (Al-Sahli, W. (422) 169)

Methamphetamine

Dextromethorphan; Dextrophan; Morphine; Nicotine; Drug addiction (Glick, S.D. (422) 87)

Metoprolol

Ca^{2+} , intracellular; Ischemia; Myocardial infarction (Min, J.-Y. (422) 115)

Monoamineoxidase inhibition

Normobaric oxygen; Dopamine; Striatum; (Rat) (Adachi, Y.U. (422) 61)

Morphine

Dextromethorphan; Dextrophan; Methamphetamine; Nicotine; Drug addiction (Glick, S.D. (422) 87)

MPP⁺ (1-methyl-4-phenylpyridinium)

EMT (Extraneuronal monoamine transporter); P-glycoprotein; Organic cation (Martel, F. (422) 31)

Myocardial infarction

Metoprolol; Ca^{2+} , intracellular; Ischemia (Min, J.-Y. (422) 115)

Myocardial ischemia

Magnolol; Antioxidant; Arrhythmia; Neutrophil (Lee, Y.-M. (422) 159)

Myocardium, human

Ca^{2+} sensitivity; β -Adrenoceptor antagonist; Nebivolol; Heart failure (Bundkirchen, A. (422) 175)

Myocyte

Cisapride; Action potential duration; Inward rectifier current; Ventricular myocardium, rabbit; K^+ channel blocker (Dumotier, B.M. (422) 137)

Nasal epithelium, rabbit

Transepithelial potential difference; β_3 -Adrenoceptor; Cl^- conductance (Danner, I. (422) 203)

Nebivolol

Ca^{2+} sensitivity; β -Adrenoceptor antagonist; Heart failure; Myocardium, human (Bundkirchen, A. (422) 175)

Neurotensin

Hyperactivity; Amphetamine; Antipsychotic; NT69L (Hertel, P. (422) 77)

Neutrophil

Magnolol; Antioxidant; Myocardial ischemia; Arrhythmia (Lee, Y.-M. (422) 159)

Nicotine

Dextromethorphan; Dextrophan; Morphine; Methamphetamine; Drug addiction (Glick, S.D. (422) 87)

Nitric oxide (NO)

Ca^{2+} channel antagonist; Endothelin-1; Extracellular signal-regulated kinase; (Rat) (Kobayashi, N. (422) 149)

NMDA receptor

Lipopolysaccharide; Long-term potentiation; Long-term depression; Hippocampus (Jo, J.-H. (422) 69)

Noradrenaline

MDMA (methylenedioxymethamphetamine); Cocaine; Ventricle; Mesenteric artery, small (Al-Sahli, W. (422) 169)

Vas deferens, rat; Smooth muscle relaxation; Co-transmission; ATP; P2 receptor; α_1 -Adrenoceptor (Bültmann, R. (422) 197)

Normobaric oxygen

Dopamine; Striatum; Monoamineoxidase inhibition; (Rat) (Adachi, Y.U. (422) 61)

NT69L

Neurotensin; Hyperactivity; Amphetamine; Antipsychotic (Hertel, P. (422) 77)

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Signal transduction; α_2 adrenergic receptor; G protein-coupled receptor; 5-HT_{1A} receptor (Happe, H.K. (422) 1)

Organic cation

EMT (Extraneuronal monoamine transporter); P-glycoprotein; MPP⁺ (1-methyl-4-phenylpyridinium) (Martel, F. (422) 31)

Peroxisome proliferator-activated receptor γ (PPAR γ)

Adipocyte differentiation; Glucose transport; Pioglitazone; Cell proliferation; Thiazolidinedione (Takamura, T. (422) 23)

P-glycoprotein

EMT (Extraneuronal monoamine transporter); Organic cation; MPP⁺ (1-methyl-4-phenylpyridinium) (Martel, F. (422) 31)

Phosphodiesterase type 5

Mean circulatory filling pressure; Vascular compliance; Unstressed volume (Inoue, H. (422) 109)

Pioglitazone

Adipocyte differentiation; Glucose transport; Peroxisome proliferator-activated receptor γ (PPAR γ); Cell proliferation; Thiazolidinedione (Takamura, T. (422) 23)

P2 receptor

Vas deferens, rat; Smooth muscle relaxation; Co-transmission; ATP; Noradrenaline; α_1 -Adrenoceptor (Bültmann, R. (422) 197)

Prostatic hyperplasia, benign

TGF β (transforming growth factor- β); Fibronectin; Smooth muscle, human prostate; Activin-like kinase 5; Extracellular matrix (Butter, S. (422) 47)

 σ Receptor

Trishomocubane; Azahehexacyclo[5.4.1.0^{2,6}.0^{3,10}.0^{5,9}.0^{8,11}] dodecane; Dopamine release; Amphetamine (Liu, X. (422) 39)

SB 216641

Amphetamine; CP 94,253; 5-HT_{1B} receptor; Locomotor activity; Sensitization; (Mouse) (Przegalinski, E. (422) 91)

Sensitization

Amphetamine; CP 94,253; SB 216641; 5-HT_{1B} receptor; Locomotor activity; (Mouse) (Przegalinski, E. (422) 91)

Signal transduction

α_2 adrenergic receptor; G protein-coupled receptor; μ -Opiate receptor; 5-HT_{1A} receptor (Happe, H.K. (422) 1)

Atrial function; Enzyme; Hormone; Inotropic agent (Bordallo, C. (422) 101)

Smooth muscle, human prostate

TGF β (transforming growth factor- β); Fibronectin; Prostatic hyperplasia, benign; Activin-like kinase 5; Extracellular matrix (Butter, S. (422) 47)

Smooth muscle relaxation

Vas deferens, rat; Co-transmission; ATP; P2 receptor; Noradrenaline; α_1 -Adrenoceptor (Bültmann, R. (422) 197)

Spinal cord

Diabetes; Vanilloid VR1 receptor; Allodynia; Hyperalgesia; Capsaicin (Kamei, J. (422) 83)

Striatum

Normobaric oxygen; Dopamine; Monoamineoxidase inhibition; (Rat) (Adachi, Y.U. (422) 61)

Suncus murinus

Vanilloid; Emesis; Genital-grooming; (Shrew) (Rudd, J.A. (422) 185)

TGF β (transforming growth factor- β)

Fibronectin; Smooth muscle, human prostate; Prostatic hyperplasia, benign; Activin-like kinase 5; Extracellular matrix (Butter, S. (422) 47)

Thiazolidinedione

Adipocyte differentiation; Glucose transport; Pioglitazone; Peroxisome proliferator-activated receptor γ (PPAR γ); Cell proliferation (Takamura, T. (422) 23)

Thromboxane A₂ synthetase

E3040; 5-Lipoxygenase (Oketani, K. (422) 209)

Transepithelial potential difference

Nasal epithelium, rabbit; β_3 -Adrenoceptor; Cl⁻ conductance (Danner, I. (422) 203)

Trishomocubane

σ Receptor; Azahehexacyclo[5.4.1.0^{2,6}.0^{3,10}.0^{5,9}.0^{8,11}] dodecane; Dopamine release; Amphetamine (Liu, X. (422) 39)

U-37883A

KATP channel; Glibenclamide; Levromakalim; Vascular tone, pulmonary; (Cat) (Shirai, M. (422) 181)

Unstressed volume

Phosphodiesterase type 5; Mean circulatory filling pressure; Vascular compliance (Inoue, H. (422) 109)

Vanilloid

Emesis; Genital-grooming; *Suncus murinus*; (Shrew) (Rudd, J.A. (422) 185)

Vanilloid VR1 receptor

Diabetes; Allodynia; Hyperalgesia; Capsaicin; Spinal cord (Kamei, J. (422) 83)

Vascular compliance

Phosphodiesterase type 5; Mean circulatory filling pressure; Unstressed volume (Inoue, H. (422) 109)

Vascular tone, pulmonary

KATP channel; Glibenclamide; U-37883A; Levromakalim; (Cat) (Shirai, M. (422) 181)

Vas deferens, rat

Smooth muscle relaxation; Co-transmission; ATP; P2 receptor; Noradrenaline; α_1 -Adrenoceptor (Bültmann, R. (422) 197)

Ventricle

MDMA (methylenedioxymethamphetamine); Cocaine; Mesenteric artery, small; Noradrenaline (Al-Sahli, W. (422) 169)

Ventricular myocardium, rabbit

Cisapride; Action potential duration; Inward rectifier current; Myocyte; K⁺ channel blocker (Dumotier, B.M. (422) 137)