

Keyword index

Acetylcholine

Nicotine; Desensitization; Nicotinic receptor; Smoking; Phosphorylation (Marszalec, W. (514) 83)

Acidosis

ATP-sensitive potassium channel; Human internal mammary artery; pH; Vascular smooth muscle (Rohra, D.K. (514) 175)

Adhesion molecule

T cell; Leukocyte; cGMP-dependent protein kinase; Tumor necrosis factor- α ; E-selectin; ICAM-1 (Wong, D. (514) 89)

Adrenergic downregulation

Phosphodiesterase inhibitor; cAMP; Myocardial contractility (Osadchii, O. (514) 201)

α_2 -Adrenoceptor

Cholestasis; Mesenteric vascular bed; Clonidine; Nitric oxide; Opioid (Borhani, A.A. (514) 183)

Alemtuzumab

Chronic lymphocytic leukemia; Apoptosis (Nückel, H. (514) 217)

Allosteric modulation

5-HT₃ serotonin receptor binding; NG 108-15 cell; Slope of displacement; Verapamil; Ifenprodil (Maksay, G. (514) 17)

Amyloid precursor protein

Tumor growth; Angiogenesis; Secretase; Presenilin (Paris, D. (514) 1)

Angiogenesis

Tumor growth; Secretase; Amyloid precursor protein; Presenilin (Paris, D. (514) 1)

Antinociceptive

Cannabinoid CB₁ receptor; GABA_B receptor; Spinal cord; (Rat) (Naderi, N. (514) 157)

Anti-ulcer drug

Astaxanthin; Gastric antral ulceration; Orogastic administration; *Xanthophyllomyces dendrorhous* (Kim, J.-H. (514) 53)

Anxiety

Group I mGlu receptor; Plus maze; Fear potentiated startle; Contextual fear conditioning; Geller–Seifter test (Pietraszek, M. (514) 25)

Apoptosis

Embryonic stem cells; Directional differentiation; Embryoid body; Cardiomyocyte; Icarin; Sarcomere; Cell cycle; p53 (Zhu, D. (514) 99)

Chronic lymphocytic leukemia; Alemtuzumab (Nückel, H. (514) 217)

Astaxanthin

Anti-ulcer drug; Gastric antral ulceration; Orogastic administration; *Xanthophyllomyces dendrorhous* (Kim, J.-H. (514) 53)

ATP-sensitive potassium channel

Acidosis; Human internal mammary artery; pH; Vascular smooth muscle (Rohra, D.K. (514) 175)

Basal vascular tone

Hypertension; Mitogen-activated protein kinase; Vascular smooth muscle; Protein kinase C (Kim, J. (514) 209)

Bombesin BB₂ receptor

Brain; Phospholipase C; Diacylglycerol lipase; Sympatho-adrenomedullary outflow (Shimizu, T. (514) 151)

Bradykinin B₁ receptor

Type 1 diabetes; Non-obese diabetic mice; Hyperalgesia; Kinin; desArg⁹-bradykinin; R-715; R-954 (Gabra, B.H. (514) 61)

Type 1 diabetes; Vascular permeability; Plasma extravasation (Lawson, S.R. (514) 69)

Brain

Bombesin BB₂ receptor; Phospholipase C; Diacylglycerol lipase; Sympatho-adrenomedullary outflow (Shimizu, T. (514) 151)

cAMP

Adrenergic downregulation; Phosphodiesterase inhibitor; Myocardial contractility (Osadchii, O. (514) 201)

Cannabinoid CB₁ receptor

GABA_B receptor; Antinociceptive; Spinal cord; (Rat) (Naderi, N. (514) 157)

Cardiac glycoside

Na⁺/K⁺-ATPase; Endotoxin; Sepsis; Mathematical modeling (Baek, M. (514) 43)

Cardiomyocyte

Embryonic stem cells; Directional differentiation; Embryoid body; Icarin; Sarcomere; Cell cycle; Apoptosis; p53 (Zhu, D. (514) 99)

Cell cycle

Embryonic stem cells; Directional differentiation; Embryoid body; Cardiomyocyte; Icarin; Sarcomere; Apoptosis; p53 (Zhu, D. (514) 99)

c-Fos protein

5-HT_{1A} receptor; Formalin; F 13640; Morphine; Rat spinal cord (Buritova, J. (514) 121)

cGMP-dependent protein kinase

T cell; Leukocyte; Adhesion molecule; Tumor necrosis factor- α ; E-selectin; ICAM-1 (Wong, D. (514) 89)

Cholestasis

Mesenteric vascular bed; α_2 -Adrenoceptor; Clonidine; Nitric oxide; Opioid (Borhani, A.A. (514) 183)

Chronic constriction injury model

2'-deoxyribose- N^6 -cyclopentyl-adenosine; 8-methylamino- N^6 -cyclopentyl-adenosine; Mechanical paw pressure threshold; Pharmacokinetics; Population pharmacokinetic/pharmacodynamic analysis (Schaddelee, M.P. (514) 131)

Chronic lymphocytic leukemia

Alemtuzumab; Apoptosis (Nüchel, H. (514) 217)

c-Jun

Rilmenidine; Clonidine; α -Methylnorepinephrine; Rostral ventrolateral medulla; Nucleus tractus solitarii; SHRs (spontaneously hypertensive rats) (Wang, X. (514) 189)

Clonidine

Cholestasis; Mesenteric vascular bed; α_2 -Adrenoceptor; Nitric oxide; Opioid (Borhani, A.A. (514) 183)

Rilmenidine; α -Methylnorepinephrine; Rostral ventrolateral medulla; Nucleus tractus solitarii; SHRs (spontaneously hypertensive rats); c-Jun (Wang, X. (514) 191)

Contextual fear conditioning

Anxiety; Group I mGlu receptor; Plus maze; Fear potentiated startle; Geller-Seifter test (Pietraszek, M. (514) 25)

2'-deoxyribose- N^6 -cyclopentyl-adenosine

Chronic constriction injury model; 8-methylamino- N^6 -cyclopentyl-adenosine; Mechanical paw pressure threshold; Pharmacokinetics; Population pharmacokinetic/pharmacodynamic analysis (Schaddelee, M.P. (514) 131)

desArg⁹bradykinin

Type 1 diabetes; Non-obese diabetic mice; Hyperalgesia; Kinin; Bradykinin B₁ receptor; R-715; R-954 (Gabra, B.H. (514) 61)

Desensitization

Nicotine; Acetylcholine; Nicotinic receptor; Smoking; Phosphorylation (Marszalec, W. (514) 83)

Desipramine

Unpredictable chronic mild stress; Tramadol; Pindolol; Yohimbine (Yalcin, I. (514) 165)

Diacylglycerol lipase: Sympatho-adrenomedullary outflow

Brain; Bombesin BB₂ receptor; Phospholipase C (Shimizu, T. (514) 151)

Directional differentiation

Embryonic stem cells; Embryoid body; Cardiomyocyte; Icarin; Sarcomere; Cell cycle; Apoptosis; p53 (Zhu, D. (514) 99)

Disseminated intravascular coagulation model

Venous thrombosis model; Factor Xa inhibitor; Thrombin inhibitor; Protein C; Thrombin generation (Furugohri, T. (514) 35)

Embryoid body

Embryonic stem cells; Directional differentiation; Cardiomyocyte; Icarin; Sarcomere; Cell cycle; Apoptosis; p53 (Zhu, D. (514) 99)

Embryonic stem cells

Directional differentiation; Embryoid body; Cardiomyocyte; Icarin; Sarcomere; Cell cycle; Apoptosis; p53 (Zhu, D. (514) 99)

Endotoxin

Na⁺/K⁺-ATPase; Sepsis; Cardiac glycoside; Mathematical modeling (Baek, M. (514) 43)

E-selectin

T cell; Leukocyte; cGMP-dependent protein kinase; Adhesion molecule; Tumor necrosis factor- α ; ICAM-1 (Wong, D. (514) 89)

F 13640

5-HT_{1A} receptor; c-Fos protein; Formalin; Morphine; Rat spinal cord (Buritova, J. (514) 121)

Factor Xa inhibitor

Disseminated intravascular coagulation model; Venous thrombosis model; Thrombin inhibitor; Protein C; Thrombin generation (Furugohri, T. (514) 35)

Fear potentiated startle

Anxiety; Group I mGlu receptor; Plus maze; Contextual fear conditioning; Geller-Seifter test (Pietraszek, M. (514) 25)

Formalin

5-HT_{1A} receptor; c-Fos protein; F 13640; Morphine; Rat spinal cord (Buritova, J. (514) 121)

GABA_B receptor

Cannabinoid CB₁ receptor; Antinociceptive; Spinal cord; (Rat) (Naderi, N. (514) 157)

Gastric antral ulceration

Anti-ulcer drug; Astaxanthin; Orogastric administration; *Xanthophyllomyces dendrorhous* (Kim, J.-H. (514) 53)

Geller-Seifter test

Anxiety; Group I mGlu receptor; Plus maze; Fear potentiated startle; Contextual fear conditioning (Pietraszek, M. (514) 25)

Ginkgolide B

Glutamate exocytosis; Hippocampal synaptosome; Presynaptic voltage-dependent Ca²⁺ influx; Protein kinase A (Wang, S.-J. (514) 141)

Glutamate exocytosis

Ginkgolide B; Hippocampal synaptosome; Presynaptic voltage-dependent Ca²⁺ influx; Protein kinase A (Wang, S.-J. (514) 141)

Group I mGlu receptor

Anxiety; Plus maze; Fear potentiated startle; Contextual fear conditioning; Geller-Seifter test (Pietraszek, M. (514) 25)

Hippocampal synaptosome

Ginkgolide B; Glutamate exocytosis; Presynaptic voltage-dependent Ca²⁺ influx; Protein kinase A (Wang, S.-J. (514) 141)

5-HT_{1A} receptor

c-Fos protein; Formalin; F 13640; Morphine; Rat spinal cord (Buritova, J. (514) 121)

5-HT₃ serotonin receptor binding

NG 108-15 cell; Allosteric modulation; Slope of displacement; Verapamil; Ifenprodil (Maksay, G. (514) 17)

Human internal mammary artery

Acidosis; ATP-sensitive potassium channel; pH; Vascular smooth muscle (Rohra, D.K. (514) 175)

Hyperalgesia

Type 1 diabetes; Non-obese diabetic mice; Kinin; Bradykinin B₁ receptor; desArg⁹bradykinin; R-715; R-954 (Gabra, B.H. (514) 61)

Hypertension

K⁺ current density; Sarcoplasmic reticulum; Ryanodine receptor (Zhang, Y. (514) 111)

Basal vascular tone; Mitogen-activated protein kinase; Vascular smooth muscle; Protein kinase C (Kim, J. (514) 209)

ICAM-1

T cell; Leukocyte; cGMP-dependent protein kinase; Adhesion molecule; Tumor necrosis factor- α ; E-selectin (Wong, D. (514) 89)

Icariin

Embryonic stem cells; Directional differentiation; Embryoid body; Cardiomyocyte; Sarcomere; Cell cycle; Apoptosis; p53 (Zhu, D. (514) 99)

Ifenprodil

5-HT₃ serotonin receptor binding; NG 108-15 cell; Allosteric modulation; Slope of displacement; Verapamil (Maksay, G. (514) 17)

K⁺ current density

Hypertension; Sarcoplasmic reticulum; Ryanodine receptor (Zhang, Y. (514) 111)

Kinin

Type 1 diabetes; Non-obese diabetic mice; Hyperalgesia; Bradykinin B₁ receptor; desArg⁹bradykinin; R-715; R-954 (Gabra, B.H. (514) 61)

Leukocyte

T cell; cGMP-dependent protein kinase; Adhesion molecule; Tumor necrosis factor- α ; E-selectin; ICAM-1 (Wong, D. (514) 89)

Mathematical modeling

Na⁺/K⁺-ATPase; Endotoxin; Sepsis; Cardiac glycoside (Baek, M. (514) 43)

Mechanical paw pressure threshold

Chronic constriction injury model; 2'-deoxyribose-*N*⁶-cyclopentyl-adenosine; 8-methylamino-*N*⁶-cyclopentyl-adenosine; Pharmacokinetics; Population pharmacokinetic/pharmacodynamic analysis (Schaddelee, M.P. (514) 131)

Mesenteric vascular bed

Cholestasis; α_2 -Adrenoceptor; Clonidine; Nitric oxide; Opioid (Borhani, A.A. (514) 183)

8-methylamino-*N*⁶-cyclopentyl-adenosine

Chronic constriction injury model; 2'-deoxyribose-*N*⁶-cyclopentyl-adenosine; Mechanical paw pressure threshold; Pharmacokinetics; Population pharmacokinetic/pharmacodynamic analysis (Schaddelee, M.P. (514) 131)

 α -Methylnorepinephrine

Rilmnidine; Clonidine; Rostral ventrolateral medulla; Nucleus tractus solitarius; SHRs (spontaneously hypertensive rats); c-Jun (Wang, X. (514) 191)

Mitogen-activated protein kinase

Hypertension; Basal vascular tone; Vascular smooth muscle; Protein kinase C (Kim, J. (514) 209)

Morphine

5-HT_{1A} receptor; c-Fos protein; Formalin; F 13640; Rat spinal cord (Buritova, J. (514) 121)

Myocardial contractility

Adrenergic downregulation; Phosphodiesterase inhibitor; cAMP (Osadchii, O. (514) 201)

Na⁺/K⁺-ATPase

Endotoxin; Sepsis; Cardiac glycoside; Mathematical modeling (Baek, M. (514) 43)

NG 108-15 cell

5-HT₃ serotonin receptor binding; Allosteric modulation; Slope of displacement; Verapamil; Ifenprodil (Maksay, G. (514) 17)

Nicotine

Desensitization; Acetylcholine; Nicotinic receptor; Smoking; Phosphorylation (Marszalec, W. (514) 83)

Nicotinic receptor

Nicotine; Desensitization; Acetylcholine; Smoking; Phosphorylation (Marszalec, W. (514) 83)

Nitric oxide

Cholestasis; Mesenteric vascular bed; α_2 -Adrenoceptor; Clonidine; Opioid (Borhani, A.A. (514) 183)

Non-obese diabetic mice

Type 1 diabetes; Hyperalgesia; Kinin; Bradykinin B₁ receptor; desArg⁹bradykinin; R-715; R-954 (Gabra, B.H. (514) 61)

Nucleus tractus solitarius

Rilmnidine; Clonidine; α -Methylnorepinephrine; Rostral ventrolateral medulla; SHRs (spontaneously hypertensive rats); c-Jun (Wang, X. (514) 191)

Opioid

Cholestasis; Mesenteric vascular bed; α_2 -Adrenoceptor; Clonidine; Nitric oxide (Borhani, A.A. (514) 183)

Orogastric administration

Anti-ulcer drug; Astaxanthin; Gastric antral ulceration; *Xanthophyllomyces dendrorhous* (Kim, J.-H. (514) 53)

p53

Embryonic stem cells; Directional differentiation; Embryoid body; Cardiomyocyte; Icariin; Sarcomere; Cell cycle; Apoptosis (Zhu, D. (514) 99)

pH

Acidosis; ATP-sensitive potassium channel; Human internal mammary artery; Vascular smooth muscle (Rohra, D.K. (514) 175)

Pharmacokinetics

Chronic constriction injury model; 2'-deoxyribose-*N*⁶-cyclopentyl-adenosine; 8-methylamino-*N*⁶-cyclopentyl-adenosine; Mechanical paw pressure threshold; Population pharmacokinetic/pharmacodynamic analysis (Schaddelee, M.P. (514) 131)

Phosphodiesterase inhibitor

Adrenergic downregulation; cAMP; Myocardial contractility (Osadchii, O. (514) 201)

Phospholipase C

Brain; Bombesin BB₂ receptor; Diacylglycerol lipase; Sympatho-adrenomedullary outflow (Shimizu, T. (514) 151)

Phosphorylation

Nicotine; Desensitization; Acetylcholine; Nicotinic receptor; Smoking (Marszalec, W. (514) 83)

Pindolol

Unpredictable chronic mild stress; Tramadol; Desipramine; Yohimbine (Yalcin, I. (514) 165)

Plasma extravasation

Type 1 diabetes; Vascular permeability; Bradykinin B₁ receptor (Lawson, S.R. (514) 69)

Plus maze

Anxiety; Group I mGlu receptor; Fear potentiated startle; Contextual fear conditioning; Geller–Seifter test (Pietraszek, M. (514) 25)

Population pharmacokinetic/pharmacodynamic analysis

Chronic constriction injury model; 2'-deoxyribose-*N*⁶-cyclopentyl-adenosine; 8-methylamino-*N*⁶-cyclopentyl-adenosine; Mechanical paw pressure threshold; Pharmacokinetics (Schaddelee, M.P. (514) 131)

Presenilin

Tumor growth; Angiogenesis; Secretase; Amyloid precursor protein (Paris, D. (514) 1)

Presynaptic voltage-dependent Ca²⁺ influx

Ginkgolide B; Glutamate exocytosis; Hippocampal synaptosome; Protein kinase A (Wang, S.-J. (514) 141)

Protein C

Disseminated intravascular coagulation model; Venous thrombosis model; Factor Xa inhibitor; Thrombin inhibitor; Thrombin generation (Furugohri, T. (514) 35)

Protein kinase A

Ginkgolide B; Glutamate exocytosis; Hippocampal synaptosome; Presynaptic voltage-dependent Ca²⁺ influx (Wang, S.-J. (514) 141)

Protein kinase C

Hypertension; Basal vascular tone; Mitogen-activated protein kinase; Vascular smooth muscle (Kim, J. (514) 209)

R-715

Type 1 diabetes; Non-obese diabetic mice; Hyperalgesia; Kinin; Bradykinin B₁ receptor; desArg⁹bradykinin; R-954 (Gabra, B.H. (514) 61)

R-954

Type 1 diabetes; Non-obese diabetic mice; Hyperalgesia; Kinin; Bradykinin B₁ receptor; desArg⁹bradykinin; R-715 (Gabra, B.H. (514) 61)

(Rat)

Cannabinoid CB₁ receptor; GABA_B receptor; Antinociceptive; Spinal cord (Naderi, N. (514) 157)

Rat spinal cord

5-HT_{1A} receptor; c-Fos protein; Formalin; F 13640; Morphine (Buritova, J. (514) 121)

Rilmenidine

Clonidine; α -Methylnorepinephrine; Rostral ventrolateral medulla; Nucleus tractus solitarius; SHRs (spontaneously hypertensive rats); c-Jun (Wang, X. (514) 191)

Rostral ventrolateral medulla

Rilmenidine; Clonidine; α -Methylnorepinephrine; Nucleus tractus solitarius; SHRs (spontaneously hypertensive rats); c-Jun (Wang, X. (514) 191)

Ryanodine receptor

K⁺ current density; Hypertension; Sarcoplasmic reticulum (Zhang, Y. (514) 111)

Sarcomere

Embryonic stem cells; Directional differentiation; Embryoid body; Cardiomyocyte; Icaritin; Cell cycle; Apoptosis; p53 (Zhu, D. (514) 99)

Sarcoplasmic reticulum

K⁺ current density; Hypertension; Ryanodine receptor (Zhang, Y. (514) 111)

Secretase

Tumor growth; Angiogenesis; Amyloid precursor protein; Presenilin (Paris, D. (514) 1)

Sepsis

Na⁺/K⁺-ATPase; Endotoxin; Cardiac glycoside; Mathematical modeling (Baek, M. (514) 43)

SHRs (spontaneously hypertensive rats)

Rilmenidine; Clonidine; α -Methylnorepinephrine; Rostral ventrolateral medulla; Nucleus tractus solitarius; c-Jun (Wang, X. (514) 191)

Slope of displacement

5-HT₃ serotonin receptor binding; NG 108-15 cell; Allosteric modulation; Verapamil; Ifenprodil (Maksay, G. (514) 17)

Smoking

Nicotine; Desensitization; Acetylcholine; Nicotinic receptor; Phosphorylation (Marszalec, W. (514) 83)

Spinal cord

Cannabinoid CB₁ receptor; GABA_B receptor; Antinociceptive; (Rat) (Naderi, N. (514) 157)

T cell

Leukocyte; cGMP-dependent protein kinase; Adhesion molecule; Tumor necrosis factor- α ; E-selectin; ICAM-1 (Wong, D. (514) 89)

Thrombin generation

Disseminated intravascular coagulation model; Venous thrombosis model; Factor Xa inhibitor; Thrombin inhibitor; Protein C (Furugohri, T. (514) 35)

Thrombin inhibitor

Disseminated intravascular coagulation model; Venous thrombosis model; Factor Xa inhibitor; Protein C; Thrombin generation (Furugohri, T. (514) 35)

Tramadol

Unpredictable chronic mild stress; Desipramine; Pindolol; Yohimbine (Yalcin, I. (514) 163)

Tumor growth

Angiogenesis; Secretase; Amyloid precursor protein; Presenilin (Paris, D. (514) 1)

Tumor necrosis factor- α

T cell; Leukocyte; cGMP-dependent protein kinase; Adhesion molecule; E-selectin; ICAM-1 (Wong, D. (514) 89)

Type 1 diabetes

Non-obese diabetic mice; Hyperalgesia; Kinin; Bradykinin B₁ receptor; desArg⁹bradykinin; R-715; R-954 (Gabra, B.H. (514) 61)

Vascular permeability; Plasma extravasation; Bradykinin B₁ receptor (Lawson, S.R. (514) 69)

Unpredictable chronic mild stress

Tramadol; Desipramine; Pindolol; Yohimbine (Yalcin, I. (514) 165)

Vascular permeability

Type 1 diabetes; Plasma extravasation; Bradykinin B₁ receptor (Lawson, S.R. (514) 69)

Vascular smooth muscle

Acidosis; ATP-sensitive potassium channel; Human internal mammary artery; pH (Rohra, D.K. (514) 175)

Hypertension; Basal vascular tone; Mitogen-activated protein kinase; Protein kinase C (Kim, J. (514) 209)

Venous thrombosis model

Disseminated intravascular coagulation model; Factor Xa inhibitor; Thrombin inhibitor; Protein C; Thrombin generation (Furugohri, T. (514) 35)

Verapamil

5-HT₃ serotonin receptor binding; NG 108-15 cell; Allosteric modulation; Slope of displacement; Ifenprodil (Maksay, G. (514) 17)

Xanthophyllomyces dendrorhous

Anti-ulcer drug; Astaxanthin; Gastric antral ulceration; Orogastric administration (Kim, J.-H. (514) 53)

Yohimbine

Unpredictable chronic mild stress; Tramadol; Desipramine; Pindolol (Yalcin, I. (514) 163)