

Keyword index

ACAT inhibition

Platycodin D; Cholesterol lowering; Anti-obesity; Farnesoid X receptor (Zhao, H.L. (537) 166)

ACE inhibitor

Myeloperoxidase; LDL; Captopril; Apolipoprotein B-100 (Van Antwerpen, P. (537) 31)

Acetylcholine

Noradrenaline; Cytosolic calcium; Artery; Heart failure; Infarction (Trautner, S. (537) 143)

α_1 -Adrenergic receptor

Ventricular stretch; Repolarization prolongation; Torsade de pointes; Proarrhythmia; QT interval (Farkas, A.S. (537) 118)

Alendronate

Electrical field stimulation-induced contraction; Lower esophageal sphincter; NO-mediated relaxation (Takeuchi, T. (537) 155)

Amygdale

Cannabinoid CB₁ receptor; 5-hydroxytryptamine (Ashton, J.C. (537) 70)

Anandamide

Capsaicin; Protons; TRPV1 (transient receptor potential vanilloid 1); Ligand-gated ion channel; Pain (Bianchi, B.R. (537) 20)

Animal model

Anxiety; Anticonvulsant drug; Panic; (Rat) (Dombrowski, P.A. (537) 72)

Anticonvulsant drug

Animal model; Anxiety; Panic; (Rat) (Dombrowski, P.A. (537) 72)

Anti-obesity

Platycodin D; Cholesterol lowering; ACAT inhibition; Farnesoid X receptor (Zhao, H.L. (537) 166)

Antioxidants

1,4-Dihydropyridine; Lipid peroxidation; Malondialdehyde; 4-Hydroxynonenal; Hepatoprotection (Borovic, S. (537) 12)

Anxiety

Animal model; Anticonvulsant drug; Panic; (Rat) (Dombrowski, P.A. (537) 72)

Apolipoprotein B-100

Myeloperoxidase; LDL; Captopril; ACE inhibitor (Van Antwerpen, P. (537) 31)

Apoptosis

Platycodin D; NF- κ B activation; HaCaT cells; Caspase-3 and 8; Fas and Fas ligand (Ahn, K.S. (537) 1)

Artery

Noradrenaline; Acetylcholine; Cytosolic calcium; Heart failure; Infarction (Trautner, S. (537) 143)

Blood ethanol levels

Nicotine; Ethanol; Conditioned taste aversion; (Rat) (Korkosz, A. (537) 99)

Blood pressure

Pulmonary circulation; Urotensin-II; Hypoxia; Heart failure; Pulmonary hypertension (Deuchar, G.A. (537) 135)

Butyridenephthalide

Ligusticum chuanxiong; Smooth muscle relaxation; Calcium; Endothelium (Chan, S.S.-K. (537) 111)

Ca²⁺ transients

Thyrotoxicosis; Cardiac myocyte shortening; Ryanodine receptor; Cyclic GMP (Zhang, Q. (537) 45)

Calcium

Butyridenephthalide; *Ligusticum chuanxiong*; Smooth muscle relaxation; Endothelium (Chan, S.S.-K. (537) 111)

Calcium channel antagonist

Nicotine; Morphine; Reinstatement; Place conditioning; (Rat) (Biala, G. (537) 85)

Cannabinoid CB₁ receptor

5-hydroxytryptamine; Amygdale (Ashton, J.C. (537) 70)

Capsaicin

Anandamide; Protons; TRPV1 (transient receptor potential vanilloid 1); Ligand-gated ion channel; Pain (Bianchi, B.R. (537) 20)

Captopril

Myeloperoxidase; LDL; ACE inhibitor; Apolipoprotein B-100 (Van Antwerpen, P. (537) 31)

Cardiac myocyte shortening

Thyrotoxicosis; Ca²⁺ transients; Ryanodine receptor; Cyclic GMP (Zhang, Q. (537) 45)

Caspase-3 and 8

Platycodin D; NF- κ B activation; HaCaT cells; Apoptosis; Fas and Fas ligand (Ahn, K.S. (537) 1)

Catalepsy

Dizocilpine maleate; NMDA receptor antagonist; Locomotion; Immobility; Haloperidol (Tang, Y. (537) 77)

Cell injury

1-Methyl-4-phenylpyridinium; Piperine; PC12 cells; Mitochondrial membrane permeability (Lee, C.S. (537) 37)

Cerebellar granule cell

Honokiol; Magnolol; Oxidative stress; Excitotoxicity (Lin, Y.-R. (537) 64)

Cholera toxin

Dendritic cell; Sesquiterpene; Th1 response; Th2 response (Takei, M. (537) 190)

Cholesterol lowering

Platycodin D; Anti-obesity; ACAT inhibition; Farnesoid X receptor (Zhao, H.L. (537) 166)

Cinnamaldehyde

Rat cerebral microvascular endothelial cell; Interleukin-1 β ; Cyclooxygenase; Prostaglandin E₂; Real-time RT-PCR (Guo, J.-Y. (537) 174)

Conditioned taste aversion

Nicotine; Ethanol; Blood ethanol levels; (Rat) (Korkosz, A. (537) 99)

 α -Conotoxin AulB

18-Methoxycoronaridine; Mecamylamine; Morphine; Medial habenula; Interpeduncular nucleus; Nicotine receptors; Drug addiction (Glick, S.D. (537) 94)

Contraction study

Ghrelin receptor antagonist; 5-HT receptor (Depoortere, I. (537) 160)

Cyclic GMP

Thyrototoxicosis; Cardiac myocyte shortening; Ca²⁺ transients; Ryanodine receptor (Zhang, Q. (537) 45)

Cyclooxygenase

Cinnamaldehyde; Rat cerebral microvascular endothelial cell; Interleukin-1 β ; Prostaglandin E₂; Real-time RT-PCR (Guo, J.-Y. (537) 174)

Cytosolic calcium

Noradrenaline; Acetylcholine; Artery; Heart failure; Infarction (Trautner, S. (537) 143)

Dendritic cell

Sesquiterpene; Th1 response; Cholera toxin; Th2 response (Takei, M. (537) 190)

Diabetes

Melatonin; Vitamin E; Learning; Memory (Tuzcu, M. (537) 106)

1,4-Dihydropyridine

Antioxidants; Lipid peroxidation; Malondialdehyde; 4-Hydroxynonenal; Hepatoprotection (Borovic, S. (537) 12)

Dizocilpine maleate

NMDA receptor antagonist; Locomotion; Immobility; Catalepsy; Haloperidol (Tang, Y. (537) 77)

Drug addiction

18-Methoxycoronaridine; α -Conotoxin AulB; Mecamylamine; Morphine; Medial habenula; Interpeduncular nucleus; Nicotine receptors (Glick, S.D. (537) 94)

Electrical field stimulation-induced contraction

Alendronate; Lower esophageal sphincter; NO-mediated relaxation (Takeuchi, T. (537) 155)

Endothelium

Butylidenephthalide; *Ligusticum chuanxiong*; Smooth muscle relaxation; Calcium (Chan, S.S.-K. (537) 111)

Erythrocyte

Glutathione reductase; Melatonin (Erat, M. (537) 59)

Ethanol

Nicotine; Conditioned taste aversion; Blood ethanol levels; (Rat) (Korkosz, A. (537) 99)

Excitotoxicity

Honokiol; Magnolol; Oxidative stress; Cerebellar granule cell (Lin, Y.-R. (537) 64)

Experimental diabetes

5-hydroxytryptamine; Nitric oxide; 5-HT_{1A} receptors; Prejunctional inhibition (García, M. (537) 126)

Farnesoid X receptor

Platycodin D; Cholesterol lowering; Anti-obesity; ACAT inhibition (Zhao, H.L. (537) 166)

Fas and Fas ligand

Platycodin D; NF- κ B activation; HaCaT cells; Apoptosis; Caspase-3 and 8 (Ahn, K.S. (537) 1)

Fenofibrate

Schisandrin B; Triglyceride; Total cholesterol; Hypertriglyceridemia (Pan, S.-Y. (537) 200)

Ghrelin receptor antagonist

5-HT receptor; Contraction study (Depoortere, I. (537) 160)

Glucose formation

Suramin; Hyperglycaemia; Renal tubules; Pyruvate kinase; (Rabbit) (Jagielski, A.K. (537) 205)

Glutathione reductase

Melatonin; Erythrocyte (Erat, M. (537) 59)

HaCaT cells

Platycodin D; NF- κ B activation; Apoptosis; Caspase-3 and 8; Fas and Fas ligand (Ahn, K.S. (537) 1)

Haloperidol

Dizocilpine maleate; NMDA receptor antagonist; Locomotion; Immobility; Catalepsy (Tang, Y. (537) 77)

Heart failure

Pulmonary circulation; Blood pressure; Urotensin-II; Hypoxia; Pulmonary hypertension (Deuchar, G.A. (537) 135)

Noradrenaline; Acetylcholine; Cytosolic calcium; Artery; Infarction (Trautner, S. (537) 143)

Hepatoprotection

1,4-Dihydropyridine; Antioxidants; Lipid peroxidation; Malondialdehyde; 4-Hydroxynonenal (Borovic, S. (537) 12)

Honokiol

Magnolol; Oxidative stress; Excitotoxicity; Cerebellar granule cell (Lin, Y.-R. (537) 64)

4-Hydroxynonenal

1,4-Dihydropyridine; Antioxidants; Lipid peroxidation; Malondialdehyde; Hepatoprotection (Borovic, S. (537) 12)

5-HT receptor

Ghrelin receptor antagonist; Contraction study (Depoortere, I. (537) 160)

5-HT_{1A} receptors

5-hydroxytryptamine; Nitric oxide; Experimental diabetes; Prejunctional inhibition (García, M. (537) 126)

5-hydroxytryptamine

Cannabinoid CB₁ receptor; Amygdale (Ashton, J.C. (537) 70)

5-hydroxytryptamine

Nitric oxide; Experimental diabetes; 5-HT_{1A} receptors; Prejunctional inhibition (García, M. (537) 126)

Hydroxyl radical

Matrix metalloproteinase-9; Platelet aggregation; Membrane fluidity; Na⁺/H⁺ exchanger (Lee, Y.-M. (537) 52)

Hyperglycaemia

Suramin; Glucose formation; Renal tubules; Pyruvate kinase; (Rabbit) (Jagielski, A.K. (537) 205)

Hypertriglyceridemia

Schisandrin B; Fenofibrate; Triglyceride; Total cholesterol (Pan, S.-Y. (537) 200)

Hypoxia

Pulmonary circulation; Blood pressure; Urotensin-II; Heart failure; Pulmonary hypertension (Deuchar, G.A. (537) 135)

IFN- γ

(5R)-5-hydroxytryptolide; Immunosuppressive (Zhou, R. (537) 181)

Immobility

Dizocilpine maleate; NMDA receptor antagonist; Locomotion; Catalepsy; Haloperidol (Tang, Y. (537) 77)

Immunosuppressive

(5R)-5-hydroxytryptolide; IFN- γ (Zhou, R. (537) 181)

Infarction

Noradrenaline; Acetylcholine; Cytosolic calcium; Artery; Heart failure (Trautner, S. (537) 143)

Interleukin-1 β

Cinnamaldehyde; Rat cerebral microvascular endothelial cell; Cyclooxygenase; Prostaglandin E₂; Real-time RT-PCR (Guo, J.-Y. (537) 174)

Interpeduncular nucleus

18-Methoxycoronaridine; α -Conotoxin AuIB; Mecamylamine; Morphine; Medial habenula; Nicotine receptors; Drug addiction (Glick, S.D. (537) 94)

LDL

Myeloperoxidase; Captopril; ACE inhibitor; Apolipoprotein B-100 (Van Antwerpen, P. (537) 31)

Learning

Melatonin; Vitamin E; Diabetes; Memory (Tuzcu, M. (537) 106)

Ligand-gated ion channel

Capsaicin; Anandamide; Protons; TRPV1 (transient receptor potential vanilloid 1); Pain (Bianchi, B.R. (537) 20)

Ligusticum chuanxiong

Butylidenephthalide; Smooth muscle relaxation; Calcium; Endothelium (Chan, S.S.-K. (537) 111)

Lipid peroxidation

1,4-Dihydropyridine; Antioxidants; Malondialdehyde; 4-Hydroxynonenal; Hepatoprotection (Borovic, S. (537) 12)

Locomotion

Dizocilpine maleate; NMDA receptor antagonist; Immobility; Catalepsy; Haloperidol (Tang, Y. (537) 77)

Lower esophageal sphincter

Alendronate; Electrical field stimulation-induced contraction; NO-mediated relaxation (Takeuchi, T. (537) 155)

Magnolol

Honokiol; Oxidative stress; Excitotoxicity; Cerebellar granule cell (Lin, Y.-R. (537) 64)

Malondialdehyde

1,4-Dihydropyridine; Antioxidants; Lipid peroxidation; 4-Hydroxynonenal; Hepatoprotection (Borovic, S. (537) 12)

Matrix metalloproteinase-9

Platelet aggregation; Membrane fluidity; Na⁺/H⁺ exchanger; Hydroxyl radical (Lee, Y.-M. (537) 52)

Mecamylamine

18-Methoxycoronaridine; α -Conotoxin AuIB; Morphine; Medial habenula; Interpeduncular nucleus; Nicotine receptors; Drug addiction (Glick, S.D. (537) 94)

Medial habenula

18-Methoxycoronaridine; α -Conotoxin AuIB; Mecamylamine; Morphine; Interpeduncular nucleus; Nicotine receptors; Drug addiction (Glick, S.D. (537) 94)

Melatonin

Glutathione reductase; Erythrocyte (Erat, M. (537) 59)

Vitamin E; Diabetes; Learning; Memory (Tuzcu, M. (537) 106)

Membrane fluidity

Matrix metalloproteinase-9; Platelet aggregation; Na⁺/H⁺ exchanger; Hydroxyl radical (Lee, Y.-M. (537) 52)

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α -Conotoxin AuIB; Mecamylamine; Morphine; Medial habenula; Interpeduncular nucleus; Nicotine receptors; Drug addiction (Glick, S.D. (537) 94)

1-Methyl-4-phenylpyridinium

Piperine; PC12 cells; Mitochondrial membrane permeability; Cell injury (Lee, C.S. (537) 37)

Mitochondrial membrane permeability

1-Methyl-4-phenylpyridinium; Piperine; PC12 cells; Cell injury (Lee, C.S. (537) 37)

Morphine

Nicotine; Reinstatement; Calcium channel antagonist; Place conditioning; (Rat) (Biala, G. (537) 85)

18-Methoxycoronaridine; α -Conotoxin AuIB; Mecamylamine; Medial habenula; Interpeduncular nucleus; Nicotine receptors; Drug addiction (Glick, S.D. (537) 94)

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LDL; Captopril; ACE inhibitor; Apolipoprotein B-100 (Van Antwerpen, P. (537) 31)

Na⁺/H⁺ exchanger

Matrix metalloproteinase-9; Platelet aggregation; Membrane fluidity; Hydroxyl radical (Lee, Y.-M. (537) 52)

NF-κB activation

Platycodin D; HaCaT cells; Apoptosis; Caspase-3 and 8; Fas and Fas ligand (Ahn, K.S. (537) 1)

Nicotine

Morphine; Reinstatement; Calcium channel antagonist; Place conditioning; (Rat) (Biala, G. (537) 85)

Ethanol; Conditioned taste aversion; Blood ethanol levels; (Rat) (Korkosz, A. (537) 99)

Nicotine receptors

18-Methoxycoronaridine; α-Conotoxin AulB; Mecamylamine; Morphine; Medial habenula; Interpeduncular nucleus; Drug addiction (Glick, S.D. (537) 94)

Nitric oxide

5-hydroxytryptamine; Experimental diabetes; 5-HT_{1A} receptors; Prejunctional inhibition (García, M. (537) 126)

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Dizocilpine maleate; Locomotion; Immobility; Catalepsy; Haloperidol (Tang, Y. (537) 77)

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Alendronate; Electrical field stimulation-induced contraction; Lower esophageal sphincter (Takeuchi, T. (537) 155)

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Oxidative stress

Honokiol; Magnolol; Excitotoxicity; Cerebellar granule cell (Lin, Y.-R. (537) 64)

Pain

Capsaicin; Anandamide; Protons; TRPV1 (transient receptor potential vanilloid 1); Ligand-gated ion channel (Bianchi, B.R. (537) 20)

Panic

Animal model; Anxiety; Anticonvulsant drug; (Rat) (Dombrowski, P.A. (537) 72)

PC12 cells

1-Methyl-4-phenylpyridinium; Piperine; Mitochondrial membrane permeability; Cell injury (Lee, C.S. (537) 37)

Piperine

1-Methyl-4-phenylpyridinium; PC12 cells; Mitochondrial membrane permeability; Cell injury (Lee, C.S. (537) 37)

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Matrix metalloproteinase-9; Membrane fluidity; Na⁺/H⁺ exchanger; Hydroxyl radical (Lee, Y.-M. (537) 52)

Platycodin D

NF-κB activation; HaCaT cells; Apoptosis; Caspase-3 and 8; Fas and Fas ligand (Ahn, K.S. (537) 1)

Cholesterol lowering; Anti-obesity; ACAT inhibition; Farnesoid X receptor (Zhao, H.L. (537) 166)

Prejunctional inhibition

5-hydroxytryptamine; Nitric oxide; Experimental diabetes; 5-HT_{1A} receptors (García, M. (537) 126)

Proarrhythmia

Ventricular stretch; α₁-Adrenergic receptor; Repolarization prolongation; Torsade de pointes; QT interval (Farkas, A.S. (537) 118)

Prostaglandin E₂

Cinnamaldehyde; Rat cerebral microvascular endothelial cell; Interleukin-1β; Cyclooxygenase; Real-time RT-PCR (Guo, J.-Y. (537) 174)

Protons

Capsaicin; Anandamide; TRPV1 (transient receptor potential vanilloid 1); Ligand-gated ion channel; Pain (Bianchi, B.R. (537) 20)

Pulmonary circulation

Blood pressure; Urotensin-II; Hypoxia; Heart failure; Pulmonary hypertension (Deuchar, G.A. (537) 135)

Pulmonary hypertension

Pulmonary circulation; Blood pressure; Urotensin-II; Hypoxia; Heart failure (Deuchar, G.A. (537) 135)

Pyruvate kinase

Suramin; Hyperglycaemia; Glucose formation; Renal tubules; (Rabbit) (Jagielski, A.K. (537) 205)

QT interval

Ventricular stretch; α₁-Adrenergic receptor; Repolarization prolongation; Torsade de pointes; Proarrhythmia (Farkas, A.S. (537) 118)

(5R)-5-hydroxytryptolide

Immunosuppressive; IFN-γ (Zhou, R. (537) 181)

(Rabbit)

Suramin; Hyperglycaemia; Glucose formation; Renal tubules; Pyruvate kinase (Jagielski, A.K. (537) 205)

(Rat)

Animal model; Anxiety; Anticonvulsant drug; Panic (Dombrowski, P.A. (537) 72)

Nicotine; Morphine; Reinstatement; Calcium channel antagonist; Place conditioning (Biala, G. (537) 85)

Nicotine; Ethanol; Conditioned taste aversion; Blood ethanol levels (Korkosz, A. (537) 99)

Rat cerebral microvascular endothelial cell

Cinnamaldehyde; Interleukin-1β; Cyclooxygenase; Prostaglandin E₂; Real-time RT-PCR (Guo, J.-Y. (537) 174)

Real-time RT-PCR

Cinnamaldehyde; Rat cerebral microvascular endothelial cell; Interleukin-1β; Cyclooxygenase; Prostaglandin E₂ (Guo, J.-Y. (537) 174)

Reinstatement

Nicotine; Morphine; Calcium channel antagonist; Place conditioning; (Rat) (Biala, G. (537) 85)

Renal tubules

Suramin; Hyperglycaemia; Glucose formation; Pyruvate kinase; (Rabbit) (Jagielski, A.K. (537) 205)

Repolarization prolongation

Ventricular stretch; α_1 -Adrenergic receptor; Torsade de pointes; Proarrhythmia; QT interval (Farkas, A.S. (537) 118)

Ryanodine receptor

Thyrotoxicosis; Cardiac myocyte shortening; Ca^{2+} transients; Cyclic GMP (Zhang, Q. (537) 45)

Schisandrin B

Fenofibrate; Triglyceride; Total cholesterol; Hypertriglyceridemia (Pan, S.-Y. (537) 200)

Sesquiterpene

Dendritic cell; Th1 response; Cholera toxin; Th2 response (Takei, M. (537) 190)

Smooth muscle relaxation

Butylenephthalide; *Ligusticum chuanxiong*; Calcium; Endothelium (Chan, S.S.-K. (537) 111)

Suramin

Hyperglycaemia; Glucose formation; Renal tubules; Pyruvate kinase; (Rabbit) (Jagielski, A.K. (537) 205)

Th1 response

Dendritic cell; Sesquiterpene; Cholera toxin; Th2 response (Takei, M. (537) 190)

Th2 response

Dendritic cell; Sesquiterpene; Th1 response; Cholera toxin (Takei, M. (537) 190)

Thyrotoxicosis

Cardiac myocyte shortening; Ca^{2+} transients; Ryanodine receptor; Cyclic GMP (Zhang, Q. (537) 45)

Torsade de pointes

Ventricular stretch; α_1 -Adrenergic receptor; Repolarization prolongation; Proarrhythmia; QT interval (Farkas, A.S. (537) 118)

Total cholesterol

Schisandrin B; Fenofibrate; Triglyceride; Hypertriglyceridemia (Pan, S.-Y. (537) 200)

Triglyceride

Schisandrin B; Fenofibrate; Total cholesterol; Hypertriglyceridemia (Pan, S.-Y. (537) 200)

TRPV1 (transient receptor potential vanilloid 1)

Capsaicin; Anandamide; Protons; Ligand-gated ion channel; Pain (Bianchi, B.R. (537) 20)

Urotensin-II

Pulmonary circulation; Blood pressure; Hypoxia; Heart failure; Pulmonary hypertension (Deuchar, G.A. (537) 135)

Ventricular stretch

α_1 -Adrenergic receptor; Repolarization prolongation; Torsade de pointes; Proarrhythmia; QT interval (Farkas, A.S. (537) 118)

Vitamin E

Melatonin; Diabetes; Learning; Memory (Tuzcu, M. (537) 106)