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Active metabolite

Dipeptidyl peptidase IV; Bile; (Rat) (Takasaki, K. (505) 237)

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MK-801; Schizophrenia; Thalamus, rat; Proteomic; Subchronic (Paulson, L. (505) 103)

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α_2 -Adrenoreceptor

Allodynia; Muscarinic receptor; Spinal cord; Diabetes (Koga, K. (505) 75)

α_2 -Adrenoceptor knockout

Atipamezole; Dexmedetomidine; ^{18}FDG ; Fluorodeoxyglucose (Fagerholm, V. (505) 243)

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Animal model

Analgesic; Cannabinoid receptor; Drug discrimination (De Vry, J. (505) 127)

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Antigen presentation

Syk; Bone marrow-derived dendritic cell; mouse; Immune complex; Fc γ receptor; Antigen internalization (Nakashima, K. (505) 223)

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2-Biphenylmorpholine compound; Low-density lipoprotein; Atherosclerosis; Copper-mediated oxidation; Rabbit (Tavridou, A. (505) 213)

Antipsychotic

Weight gain; (Rat) (Kirk, S.L. (505) 253)

aorta

Anandamide; Vehicle; Vasorelaxation; rat (López-Miranda, V. (505) 151)

Apoptosis

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NSAID; Rofecoxib; Ibuprofen; bFGF expression; VEGF expression; Proliferation (Sánchez-Fidalgo, S. (505) 187)

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Antioxidant; 2-Biphenylmorpholine compound; Low-density lipoprotein; Copper-mediated oxidation; Rabbit (Tavridou, A. (505) 213)

Atipamezole

α_2 -Adrenoceptor knockout; Dexmedetomidine; ^{18}FDG ; Fluorodeoxyglucose (Fagerholm, V. (505) 243)

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Prostaglandin D_2 ; Scratch; NC/Nga, mouse; Pruritus (Arai, I. (505) 229)

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Calcium; Vascular smooth muscle (Poburko, D. (505) 19)

bFGF expression

NSAID; Rofecoxib; Ibuprofen; VEGF expression; Apoptosis; Proliferation (Sánchez-Fidalgo, S. (505) 187)

Bile

Dipeptidyl peptidase IV; Active metabolite; (Rat) (Takasaki, K. (505) 237)

2-Biphenylmorpholine compound

Antioxidant; Low-density lipoprotein; Atherosclerosis; Copper-mediated oxidation; Rabbit (Tavridou, A. (505) 213)

Blood–brain barrier

Cyclosporine; Neurotoxicity; NO (nitric oxide); Permeability; P-glycoprotein (Dohgu, S. (505) 51)

Brain; Pharmacokinetics; Drug delivery; Erythropoietin; Stroke; Neuroprotection (Banks, W.A. (505) 93)

Bone marrow-derived dendritic cell

Syk; mouse; Immune complex; Fc γ receptor; Antigen internalization; Antigen presentation (Nakashima, K. (505) 223)

Brain

Pharmacokinetics; Drug delivery; Blood–brain barrier; Erythropoietin; Stroke; Neuroprotection (Banks, W.A. (505) 93)

Brain injury

Soman; Memory impairment; Prophylactic; Physostigmine; Procyclidine (Choi, E.-K. (505) 83)

Breath condensate

SCMC-Lys (Carbocysteine lysine salt monohydrate); COPD; 8-isoprostane; Interleukin-6 (Carpagnano, G.E. (505) 169)

[Ca²⁺]_i oscillation

Rebamipide; Cholecystokinin CCK₁ receptor; Amylase (Moon, S.J. (505) 61)

Calcium

Basal entry; Vascular smooth muscle (Poburko, D. (505) 19)

Cannabinoid

GPCR; Cannabinoid CB₂ receptor; Species selectivity; Pharmacology (Mukherjee, S. (505) 1)

Cannabinoid CB₂ receptor

GPCR; Cannabinoid; Species selectivity; Pharmacology (Mukherjee, S. (505) 1)

Cannabinoid receptor

Analgesic; Animal model; Drug discrimination (De Vry, J. (505) 127)

Caspase-3

Echinacoside; Apoptosis; TNF α ; Mitochondrial membrane potential; Reactive oxygen species (Deng, M. (505) 11)

Channel block

Vanilloid receptor; Methocramine; Dorsal root ganglion; Patch-clamp; Polyamine (Mellor, I.R. (505) 37)

Cholecystokinin CCK₁ receptor

Rebamipide; [Ca²⁺]_i oscillation; Amylase (Moon, S.J. (505) 61)

Contextual fear conditioning

MS-153; Glutamate uptake and release; NMDA receptor antagonist; Fear and anxiety (Li, X. (505) 145)

Contractility

Nitric oxide; Lipopolysaccharide; Excitation–contraction coupling; Neuromuscular junction; Skeletal muscle (Yildirim, S. (505) 177)

COPD

SCMC-Lys (Carbocysteine lysine salt monohydrate); Breath condensate; 8-isoprostane; Interleukin-6 (Carpagnano, G.E. (505) 169)

Copper-mediated oxidation

Antioxidant; 2-Biphenylmorpholine compound; Low-density lipoprotein; Atherosclerosis; Rabbit (Tavridou, A. (505) 213)

Cyclooxygenase

PPAR- γ ; Rosiglitazone; Ischemia–reperfusion; Reactive oxygen specie; Neutrophil (Villegas, I. (505) 195)

Cyclosporine

Neurotoxicity; NO (nitric oxide); Blood–brain barrier; Permeability; P-glycoprotein (Dohgu, S. (505) 51)

Dexmedetomidine

α_2 -Adrenoceptor knockout; Atipamezole; ¹⁸FDG; Fluorodeoxyglucose (Fagerholm, V. (505) 243)

Diabetes

Allodynia; Muscarinic receptor; α_2 -Adrenoreceptor; Spinal cord (Koga, K. (505) 75)

Dipeptidyl peptidase IV

Active metabolite; Bile; (Rat) (Takasaki, K. (505) 237)

Dorsal root ganglion

Vanilloid receptor; Methocramine; Channel block; Patch-clamp; Polyamine (Mellor, I.R. (505) 37)

Drug delivery

Brain; Pharmacokinetics; Blood–brain barrier; Erythropoietin; Stroke; Neuroprotection (Banks, W.A. (505) 93)

Drug discrimination

Analgesic; Animal model; Cannabinoid receptor (De Vry, J. (505) 127)

Echinacoside

Apoptosis; TNF α ; Mitochondrial membrane potential; Reactive oxygen species; Caspase-3 (Deng, M. (505) 11)

Endothelin-1

Ursodeoxycholic acid; Human endothelial cell; Nitric oxide; Real-time RT-PCR (Ma, J. (505) 67)

Erythropoietin

Brain; Pharmacokinetics; Drug delivery; Blood–brain barrier; Stroke; Neuroprotection (Banks, W.A. (505) 93)

Excitation–contraction coupling

Nitric oxide; Lipopolysaccharide; Contractility; Neuromuscular junction; Skeletal muscle (Yildirim, S. (505) 177)

Fc γ receptor

Syk; Bone marrow-derived dendritic cell; mouse; Immune complex; Antigen internalization; Antigen presentation (Nakashima, K. (505) 223)

¹⁸FDG

α_2 -Adrenoceptor knockout; Atipamezole; Dexmedetomidine; Fluorodeoxyglucose (Fagerholm, V. (505) 243)

Fear and anxiety

MS-153; Contextual fear conditioning; Glutamate uptake and release; NMDA receptor antagonist (Li, X. (505) 145)

Fluorodeoxyglucose

α_2 -Adrenoceptor knockout; Atipamezole; Dexmedetomidine; ¹⁸FDG (Fagerholm, V. (505) 243)

Gastrokinetic agent

Muscarinic receptor; Z-338 (Doi, Y. (505) 31)

Glutamate uptake and release

MS-153; Contextual fear conditioning; NMDA receptor antagonist; Fear and anxiety (Li, X. (505) 145)

Glutathione peroxidase

Haloperidol; Nicergoline; Glutathione reductase; Superoxide dismutase (Vairetti, M. (505) 121)

Glutathione reductase

Haloperidol; Nicergoline; Glutathione peroxidase; Superoxide dismutase (Vairetti, M. (505) 121)

GPCR

Cannabinoid; Cannabinoid CB₂ receptor; Species selectivity; Pharmacology (Mukherjee, S. (505) 1)

Haloperidol

Nicergoline; Glutathione reductase; Glutathione peroxidase; Superoxide dismutase (Vairetti, M. (505) 121)

Human endothelial cell

Ursodeoxycholic acid; Endothelin-1; Nitric oxide; Real-time RT-PCR (Ma, J. (505) 67)

Ibuprofen

NSAID; Rofecoxib; bFGF expression; VEGF expression; Apoptosis; Proliferation (Sánchez-Fidalgo, S. (505) 187)

Immune complex

Syk; Bone marrow-derived dendritic cell; mouse; Fcγ receptor; Antigen internalization; Antigen presentation (Nakashima, K. (505) 223)

Inflammation

Minocycline; Neuroprotection; Mitochondria (Cornet, S. (505) 111)

Interleukin-6

SCMC-Lys (Carbocysteine lysine salt monohydrate); COPD; Breath condensate; 8-isoprostane (Carpagnano, G.E. (505) 169)

Ischemia

Reperfusion; Acute renal failure; Rho-kinase (Teraishi, K. (505) 205)

Ischemia–reperfusion

PPAR-γ; Rosiglitazone; Reactive oxygen specie; Neutrophil; Cyclooxygenase (Villegas, I. (505) 195)

8-isoprostane

SCMC-Lys (Carbocysteine lysine salt monohydrate); COPD; Breath condensate; Interleukin-6 (Carpagnano, G.E. (505) 169)

Lipopolysaccharide

Nitric oxide; Contractility; Excitation–contraction coupling; Neuromuscular junction; Skeletal muscle (Yildirim, S. (505) 177)

Locomotor activity

Methamphetamine; Antihistamine; Prepulse inhibition; Methamphetamine concentration (Okuda, T. (505) 135)

Low-density lipoprotein

Antioxidant; 2-Biphenylmorpholine compound; Atherosclerosis; Copper-mediated oxidation; Rabbit (Tavridou, A. (505) 213)

Memory impairment

Soman; Brain injury; Prophylactic; Physostigmine; Procyclidine (Choi, E.-K. (505) 83)

Methamphetamine

Antihistamine; Prepulse inhibition; Locomotor activity; Methamphetamine concentration (Okuda, T. (505) 135)

Methamphetamine concentration

Methamphetamine; Antihistamine; Prepulse inhibition; Locomotor activity (Okuda, T. (505) 135)

Methocramine

Vanilloid receptor; Channel block; Dorsal root ganglion; Patch-clamp; Polyamine (Mellor, I.R. (505) 37)

Minocycline

Neuroprotection; Mitochondria; Inflammation (Cornet, S. (505) 111)

Mitochondria

Minocycline; Neuroprotection; Inflammation (Cornet, S. (505) 111)

Mitochondrial membrane potential

Echinacoside; Apoptosis; TNFα; Reactive oxygen species; Caspase-3 (Deng, M. (505) 11)

MK-801

Schizophrenia; Thalamus, rat; Proteomic; Acute; Subchronic (Paulson, L. (505) 103)

mouse

Syk; Bone marrow-derived dendritic cell; Immune complex; Fcγ receptor; Antigen internalization; Antigen presentation (Nakashima, K. (505) 223)

MS-153

Contextual fear conditioning; Glutamate uptake and release; NMDA receptor antagonist; Fear and anxiety (Li, X. (505) 145)

Muscarinic receptor

Gastrokinetic agent; Z-338 (Doi, Y. (505) 31)

Allodynia; α₂-Adrenoreceptor; Spinal cord; Diabetes (Koga, K. (505) 75)

Myocardial stunning

Na⁺/Ca²⁺ exchanger; SEA0400 (Takahashi, T. (505) 163)

Na⁺/Ca²⁺ exchanger

SEA0400; Myocardial stunning (Takahashi, T. (505) 163)

NC/Nga, mouse

Prostaglandin D₂; Scratch; Atopic dermatitis; Pruritus (Arai, I. (505) 229)

Neuromuscular junction

Nitric oxide; Lipopolysaccharide; Contractility; Excitation–contraction coupling; Skeletal muscle (Yildirim, S. (505) 177)

Neuroprotection

Brain; Pharmacokinetics; Drug delivery; Blood–brain barrier; Erythropoietin; Stroke (Banks, W.A. (505) 93)

Minocycline; Mitochondria; Inflammation (Cornet, S. (505) 111)

Neurotoxicity

Cyclosporine; NO (nitric oxide); Blood–brain barrier; Permeability; P-glycoprotein (Dohgu, S. (505) 51)

Neutrophil

PPAR-γ; Rosiglitazone; Ischemia–reperfusion; Reactive oxygen specie; Cyclooxygenase (Villegas, I. (505) 195)

Nicergoline

Haloperidol; Glutathione reductase; Glutathione peroxidase; Superoxide dismutase (Vairetti, M. (505) 121)

Nitric oxide

Ursodeoxycholic acid; Human endothelial cell; Endothelin-1; Real-time RT-PCR (Ma, J. (505) 67)

Lipopolysaccharide; Contractility; Excitation–contraction coupling; Neuromuscular junction; Skeletal muscle (Yildirim, S. (505) 177)

NMDA receptor antagonist

MS-153; Contextual fear conditioning; Glutamate uptake and release; Fear and anxiety (Li, X. (505) 145)

NO (nitric oxide)

Cyclosporine; Neurotoxicity; Blood–brain barrier; Permeability; P-glycoprotein (Dohgu, S. (505) 51)

NO (Nitric oxide)

Lipopolysaccharide; Contractility; Excitation–contraction coupling; Neuromuscular junction; Skeletal muscle (Sara, Y. (505) 177)

NSAID

Rofecoxib; Ibuprofen; bFGF expression; VEGF expression; Apoptosis; Proliferation (Sánchez-Fidalgo, S. (505) 187)

Patch-clamp

Vanilloid receptor; Methoctramine; Channel block; Dorsal root ganglion; Polyamine (Mellor, I.R. (505) 37)

Permeability

Cyclosporine; Neurotoxicity; NO (nitric oxide); Blood–brain barrier; P-glycoprotein (Dohgu, S. (505) 51)

P-glycoprotein

Cyclosporine; Neurotoxicity; NO (nitric oxide); Blood–brain barrier; Permeability (Dohgu, S. (505) 51)

Pharmacokinetics

Brain; Drug delivery; Blood–brain barrier; Erythropoietin; Stroke; Neuroprotection (Banks, W.A. (505) 93)

Pharmacology

GPCR; Cannabinoid; Cannabinoid CB₂ receptor; Species selectivity (Mukherjee, S. (505) 1)

Physostigmine

Soman; Brain injury; Memory impairment; Prophylactic; Procyclidine (Choi, E.-K. (505) 83)

Polyamine

Vanilloid receptor; Methoctramine; Channel block; Dorsal root ganglion; Patch-clamp (Mellor, I.R. (505) 37)

PPAR- γ

Rosiglitazone; Ischemia–reperfusion; Reactive oxygen specie; Neutrophil; Cyclooxygenase (Villegas, I. (505) 195)

Prepulse inhibition

Methamphetamine; Antihistamine; Locomotor activity; Methamphetamine concentration (Okuda, T. (505) 135)

Procyclidine

Soman; Brain injury; Memory impairment; Prophylactic; Physostigmine (Choi, E.-K. (505) 83)

Proliferation

NSAID; Rofecoxib; Ibuprofen; bFGF expression; VEGF expression; Apoptosis (Sánchez-Fidalgo, S. (505) 187)

Prophylactic

Soman; Brain injury; Memory impairment; Physostigmine; Procyclidine (Choi, E.-K. (505) 83)

Prostaglandin D₂

Scratch; Atopic dermatitis; NC/Nga, mouse; Pruritus (Arai, I. (505) 229)

Proteomic

MK-801; Schizophrenia; Thalamus, rat; Acute; Subchronic (Paulson, L. (505) 103)

Pruritus

Prostaglandin D₂; Scratch; Atopic dermatitis; NC/Nga, mouse (Arai, I. (505) 229)

Rabbit

Antioxidant; 2-Biphenylmorpholine compound; Low-density lipoprotein; Atherosclerosis; Copper-mediated oxidation (Tavridou, A. (505) 213)

rat

Anandamide; Vehicle; Vasorelaxation; aorta (López-Miranda, V. (505) 151)

(Rat)

Dipeptidyl peptidase IV; Active metabolite; Bile (Takasaki, K. (505) 237)

Antipsychotic; Weight gain (Kirk, S.L. (505) 253)

Reactive oxygen specie

PPAR- γ ; Rosiglitazone; Ischemia–reperfusion; Neutrophil; Cyclooxygenase (Villegas, I. (505) 195)

Reactive oxygen species

Echinacoside; Apoptosis; TNF α ; Mitochondrial membrane potential; Caspase-3 (Deng, M. (505) 11)

Real-time RT-PCR

Ursodeoxycholic acid; Human endothelial cell; Endothelin-1; Nitric oxide (Ma, J. (505) 67)

Rebamipide

Cholecystokinin CCK₁ receptor; [Ca²⁺]_i oscillation; Amylase (Moon, S.J. (505) 61)

Reperfusion

Ischemia; Acute renal failure; Rho-kinase (Teraishi, K. (505) 205)

Rho-kinase

Ischemia; Reperfusion; Acute renal failure (Teraishi, K. (505) 205)

Rofecoxib

NSAID; Ibuprofen; bFGF expression; VEGF expression; Apoptosis; Proliferation (Sánchez-Fidalgo, S. (505) 187)

Rosiglitazone

PPAR- γ ; Ischemia–reperfusion; Reactive oxygen specie; Neutrophil; Cyclooxygenase (Villegas, I. (505) 195)

Schizophrenia

MK-801; Thalamus, rat; Proteomic; Acute; Subchronic (Paulson, L. (505) 103)

SCMC-Lys (Carbocysteine lysine salt monohydrate)

COPD; Breath condensate; 8-isoprostane; Interleukin-6 (Carpagnano, G.E. (505) 169)

Scratch

Prostaglandin D₂; Atopic dermatitis; NC/Nga, mouse; Pruritus (Arai, I. (505) 229)

SEA0400

Na⁺/Ca²⁺ exchanger; Myocardial stunning (Takahashi, T. (505) 163)

Skeletal muscle

Nitric oxide; Lipopolysaccharide; Contractility; Excitation–contraction coupling; Neuromuscular junction (Yildirim, S. (505) 177)

Soman

Brain injury; Memory impairment; Prophylactic; Physostigmine; Procyclidine (Choi, E.-K. (505) 83)

Species selectivity

GPCR; Cannabinoid; Cannabinoid CB₂ receptor; Pharmacology (Mukherjee, S. (505) 1)

Spinal cord

Allodynia; Muscarinic receptor; α_2 -Adrenoreceptor; Diabetes (Koga, K. (505) 75)

Stroke

Brain; Pharmacokinetics; Drug delivery; Blood–brain barrier; Erythropoietin; Neuroprotection (Banks, W.A. (505) 93)

Subchronic

MK-801; Schizophrenia; Thalamus, rat; Proteomic; Acute (Paulson, L. (505) 103)

Superoxide dismutase

Haloperidol; Nicergoline; Glutathione reductase; Glutathione peroxidase (Vairetti, M. (505) 121)

Syk

Bone marrow-derived dendritic cell; mouse; Immune complex; Fc γ receptor; Antigen internalization; Antigen presentation (Nakashima, K. (505) 223)

Thalamus, rat

MK-801; Schizophrenia; Proteomic; Acute; Subchronic (Paulson, L. (505) 103)

TNF α

Echinacoside; Apoptosis; Mitochondrial membrane potential; Reactive oxygen species; Caspase-3 (Deng, M. (505) 11)

Ursodeoxycholic acid

Human endothelial cell; Endothelin-1; Nitric oxide; Real-time RT-PCR (Ma, J. (505) 67)

Vanilloid receptor

Methoctramine; Channel block; Dorsal root ganglion; Patch-clamp; Polyamine (Mellor, I.R. (505) 37)

Vascular smooth muscle

Basal entry; Calcium (Poburko, D. (505) 19)

Vasorelaxation

Anandamide; Vehicle; aorta; rat (López-Miranda, V. (505) 151)

VEGF expression

NSAID; Rofecoxib; Ibuprofen; bFGF expression; Apoptosis; Proliferation (Sánchez-Fidalgo, S. (505) 187)

Vehicle

Anandamide; Vasorelaxation; aorta; rat (López-Miranda, V. (505) 151)

Weight gain

Antipsychotic; (Rat) (Kirk, S.L. (505) 253)

Z-338

Gastrokinetic agent; Muscarinic receptor (Doi, Y. (505) 31)