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Acetylcholine

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Adiponectin

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Metformin; AMP activated protein kinase; Glucose; Adipocyte; Diabetes (Huypens, P. (518) 90)

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Amitriptyline

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AMP activated protein kinase

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Phenylethyl isothiocyanate; Apoptosis; Caspase-3 inhibitor; PLC/PRF/5 cell (Wu, S.-J. (518) 96)

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Blood pressure

Leptin; Blood flow; Endothelium; Nitric oxide (Rahmouni, K. (518) 175)

Brain

Linopirdine; Cytochrome; M-channel; Liver (Wolff, C. (518) 10)

Brush-border membrane

Urinary excretion; Phenolsulfonphthalein; p-Aminohippurate; Anion exchanger (Itagaki, S. (518) 83)

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cAMP

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Capsazepine

Allergic airway response; Ovalbumin; TRPV1 (transient receptor potential vanilloid 1) (van den Worm, E. (518) 77)

Cardioprotection

Ischemia; Valsartan; Mitochondria; Heart; Cell biology (Monteiro, P. (518) 158)

Caspase-3 inhibitor

Phenylethyl isothiocyanate; Apoptosis; Antioxidant; PLC/PRF/5 cell (Wu, S.-J. (518) 96)

Cell biology

Ischemia; Valsartan; Mitochondria; Heart; Cardioprotection (Monteiro, P. (518) 158)

Cell damage

Protein kinase C; Calcium; Intestine; Phorbol ester (Tepperman, B.L. (518) 1)

CGRP (calcitonin gene-related peptide) receptor

Gastric damage; Hepatocyte growth factor; COX-2 (cyclooxygenase-2); Adrenomedullin (Cantarella, G. (518) 221)

Chemokine CCR5 receptor

Human CCR5 transgenic mouse; Receptor occupancy; Pharmacodynamics (Saita, Y. (518) 227)

Cholestasis

Pruritus; [³⁵S]GTP γ S binding; Opioid system; (Rat) (Inan, S. (518) 182)

Cigarette smoke

Cyclooxygenase-2; Colon cancer (Liu, E.S.L. (518) 47)

Colon cancer

Cyclooxygenase-2; Cigarette smoke (Liu, E.S.L. (518) 47)

Confocal microscopy

Quinapril; Atorvastatin; Apoptosis; Hypertension; Morphometry; Vascular reactivity (Yang, L. (518) 145)

COX-2 (cyclooxygenase-2)

Gastric damage; Hepatocyte growth factor; Adrenomedullin; CGRP (calcitonin gene-related peptide) receptor (Cantarella, G. (518) 221)

Curcumin

Forced swimming; Tail suspension; Locomotor activity; Antidepressant-like effect; Monoamine; Monoamine oxidase; Mice (Xu, Y. (518) 40)

Cutaneous barrier disruption

Prostaglandin; Transepidermal water loss; Mechanical scratching (Honma, Y. (518) 56)

Cyclooxygenase-2

Cigarette smoke; Colon cancer (Liu, E.S.L. (518) 47)

Cytochrome

Linopirdine; M-channel; Liver; Brain (Wolff, C. (518) 10)

Delayed outward rectifier

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5-hydroxytryptamine; Experimental hypertension; 5-HT₂ receptor; Mianserin (Silva, A.L.S. (518) 152)

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Adiponectin; Metformin; AMP activated protein kinase; Glucose; Adipocyte (Huypens, P. (518) 90)

Dipeptidyl peptidase-IV

Glucagon-like peptide-1; Insulin; Oral glucose tolerance test; *Ob/ob* mice (Kim, K.-R. (518) 63)

Dofetilide

Azimilide; HMR 1556; Ischemia–reperfusion; Delayed outward rectifier; (Guinea-pig) (Ducroq, J. (518) 165)

Donepezil

Selegiline; Water maze; Memory; Acetylcholine (Takahata, K. (518) 140)

Endothelium

Leptin; Blood flow; Nitric oxide; Blood pressure (Rahmouni, K. (518) 175)

Eosinophil

Nitric oxide; Airway inflammation; Asthma; Hyperreactivity (Landgraf, R.G. (518) 212)

Epileptiform activity

Acetylcholinesterase; Anticonvulsant; Hippocampal slice; Organophosphate; Soman (Harrison, P.K. (518) 123)

Experimental hypertension

5-hydroxytryptamine; Deoxycorticosterone acetate; 5-HT₂ receptor; Mianserin (Silva, A.L.S. (518) 152)

Exploratory behavior

5-HT₇ (5-hydroxytryptamine₇) receptors; Hole-board test; Monoamines; Amygdala; (Mouse) (Takeda, H. (518) 30)

Forced swimming

Curcumin; Tail suspension; Locomotor activity; Antidepressant-like effect; Monoamine; Monoamine oxidase; Mice (Xu, Y. (518) 40)

G protein

Hippocampus; Pregnenolone sulfate; Presynaptic receptor; Sigma receptor; Steroid (Schiess, A.R. (518) 22)

Gastric damage

Hepatocyte growth factor; COX-2 (cyclooxygenase-2); Adrenomedullin; CGRP (calcitonin gene-related peptide) receptor (Cantarella, G. (518) 221)

Glucagon-like peptide-1

Dipeptidyl peptidase-IV; Insulin; Oral glucose tolerance test; *Ob/ob* mice (Kim, K.-R. (518) 63)

Glucose

Adiponectin; Metformin; AMP activated protein kinase; Adipocyte; Diabetes (Huypens, P. (518) 90)

(Guinea-pig)

Azimilide; Dofetilide; HMR 1556; Ischemia–reperfusion; Delayed outward rectifier (Ducroq, J. (518) 165)

[³H]2-BFI

β-carboline; Norharman; Imidazoline I₂ receptor; [³H]Ro41-1049; [³H]Ro19-6327 (lazabemide); Morphine addiction; (Rat) brain and liver (Miralles, A. (518) 234)

Heart

Ischemia; Valsartan; Mitochondria; Cell biology; Cardioprotection (Monteiro, P. (518) 158)

Heart rate

β-adrenoceptor; Peroxynitrite; Redox; Nitration; Vasodilation; (Rat) (Lewis, S.J. (518) 187)

Hepatocyte growth factor

Gastric damage; COX-2 (cyclooxygenase-2); Adrenomedullin; CGRP (calcitonin gene-related peptide) receptor (Cantarella, G. (518) 221)

Hippocampal slice

Acetylcholinesterase; Anticonvulsant; Epileptiform activity; Organophosphate; Soman (Harrison, P.K. (518) 123)

Hippocampus

G protein; Pregnenolone sulfate; Presynaptic receptor; Sigma receptor; Steroid (Schiess, A.R. (518) 22)

HMR 1556

Azimilide; Dofetilide; Ischemia–reperfusion; Delayed outward rectifier; (Guinea-pig) (Ducroq, J. (518) 165)

Hole-board test

5-HT₇ (5-hydroxytryptamine₇) receptors; Exploratory behavior; Monoamines; Amygdala; (Mouse) (Takeda, H. (518) 30)

[³H]Ro19-6327 (lazabemide)

β-carboline; Norharman; Imidazoline I₂ receptor; [³H]2-BFI; [³H]Ro41-1049; Morphine addiction; (Rat) brain and liver (Miralles, A. (518) 234)

[³H]Ro41-1049

β-carboline; Norharman; Imidazoline I₂ receptor; [³H]2-BFI; [³H]Ro19-6327 (lazabemide); Morphine addiction; (Rat) brain and liver (Miralles, A. (518) 234)

5-HT₂ receptor

5-hydroxytryptamine; Deoxycorticosterone acetate; Experimental hypertension; Mianserin (Silva, A.L.S. (518) 152)

5-HT_{2A} receptor

Insulin; Internalization; Ca²⁺ transient (Ohkura, M. (518) 18)

5-HT₇ (5-hydroxytryptamine₇) receptors

Exploratory behavior; Hole-board test; Monoamines; Amygdala; (Mouse) (Takeda, H. (518) 30)

Human CCR5 transgenic mouse

Chemokine CCR5 receptor; Receptor occupancy; Pharmacodynamics (Saita, Y. (518) 227)

5-hydroxytryptamine

Deoxycorticosterone acetate; Experimental hypertension; 5-HT₂ receptor; Mianserin (Silva, A.L.S. (518) 152)

Hyperreactivity

Nitric oxide; Eosinophil; Airway inflammation; Asthma (Landgraf, R.G. (518) 212)

Hypertension

Quinapril; Atorvastatin; Apoptosis; Confocal microscopy; Morphometry; Vascular reactivity (Yang, L. (518) 145)

Imidazoline I₂ receptor

β-carboline; Norharman; [³H]2-BFI; [³H]Ro41-1049; [³H]Ro19-6327 (lazabemide); Morphine addiction; (Rat) brain and liver (Miralles, A. (518) 234)

Insulin

5-HT_{2A} receptor; Internalization; Ca²⁺ transient (Ohkura, M. (518) 18)

Dipeptidyl peptidase-IV; Glucagon-like peptide-1; Oral glucose tolerance test; *Ob/ob* mice (Kim, K.-R. (518) 63)

Internalization

Insulin; 5-HT_{2A} receptor; Ca²⁺ transient (Ohkura, M. (518) 18)

Intestine

Protein kinase C; Calcium; Phorbol ester; Cell damage (Tepperman, B.L. (518) 1)

Intraocular pressure

2-Alkynyladenosine derivative; Outflow facility; Adenosine A_{2A} receptor; K⁺ channel (Konno, T. (518) 203)

Ischemia

Valsartan; Mitochondria; Heart; Cell biology; Cardioprotection (Monteiro, P. (518) 158)

Ischemia–reperfusion

Azimilide; Dofetilide; HMR 1556; Delayed outward rectifier; (Guinea-pig) (Ducroq, J. (518) 165)

K⁺ channel

2-Alkynyladenosine derivative; Intraocular pressure; Outflow facility; Adenosine A_{2A} receptor (Konno, T. (518) 203)

κ-opioid agonist

Pruritus; MRL/*lpr* mouse; Scratching behavior (Umeuchi, H. (518) 133)

Leptin

Blood flow; Endothelium; Nitric oxide; Blood pressure (Rahmouni, K. (518) 175)

Levobupivacaine

Bupivacaine; Neurotoxicity; NMDA; Mice mixed cultures of cortical neurons (Marganella, C. (518) 111)

Linopirdine

Cytochrome; M-channel; Liver; Brain (Wolff, C. (518) 10)

Liver

Linopirdine; Cytochrome; M-channel; Brain (Wolff, C. (518) 10)

Locomotor activity

Curcumin; Forced swimming; Tail suspension; Antidepressant-like effect; Monoamine; Monoamine oxidase; Mice (Xu, Y. (518) 40)

M-channel

Linopirdine; Cytochrome; Liver; Brain (Wolff, C. (518) 10)

Mechanical scratching

Cutaneous barrier disruption; Prostaglandin; Transepidermal water loss (Honma, Y. (518) 56)

Memory

Selegiline; Donepezil; Water maze; Acetylcholine (Takahata, K. (518) 140)

Metformin

Adiponectin; AMP activated protein kinase; Glucose; Adipocyte; Diabetes (Huypens, P. (518) 90)

Mianserin

5-hydroxytryptamine; Deoxycorticosterone acetate; Experimental hypertension; 5-HT₂ receptor (Silva, A.L.S. (518) 152)

Mice

Curcumin; Forced swimming; Tail suspension; Locomotor activity; Antidepressant-like effect; Monoamine; Monoamine oxidase (Xu, Y. (518) 40)

Mice mixed cultures of cortical neurons

Bupivacaine; Levobupivacaine; Neurotoxicity; NMDA (Marganella, C. (518) 111)

Microdialysis

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Oral hypoglycemic agent; Tolbutamide; Nitric oxide; Regional blood flow; Otsuka Long–Evans Tokushima Fatty rat (Iwase, M. (518) 243)

Mitochondria

Ischemia; Valsartan; Heart; Cell biology; Cardioprotection (Monteiro, P. (518) 158)

Monoamine

Curcumin; Forced swimming; Tail suspension; Locomotor activity; Antidepressant-like effect; Monoamine oxidase; Mice (Xu, Y. (518) 40)

Monoamine oxidase

Curcumin; Forced swimming; Tail suspension; Locomotor activity; Antidepressant-like effect; Monoamine; Mice (Xu, Y. (518) 40)

Monoamines

5-HT₇ (5-hydroxytryptamine₇) receptors; Exploratory behavior; Hole-board test; Amygdala; (Mouse) (Takeda, H. (518) 30)

Morphine addiction

β-carboline; Norharman; Imidazoline I₂ receptor; [³H]2-BFI; [³H]Ro41-1049; [³H]Ro19-6327 (lazabemide); (Rat) brain and liver (Miralles, A. (518) 234)

Morphometry

Quinapril; Atorvastatin; Apoptosis; Confocal microscopy; Hypertension; Vascular reactivity (Yang, L. (518) 145)

(Mouse)

5-HT₇ (5-hydroxytryptamine₇) receptors; Exploratory behavior; Hole-board test; Monoamines; Amygdala (Takeda, H. (518) 30)

MRL/*lpr* mouse

Pruritus; Scratching behavior; κ-opioid agonist (Umeuchi, H. (518) 133)

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β-adrenoceptor; Peroxynitrite; Redox; Vasodilation; Heart rate; (Rat) (Lewis, S.J. (518) 187)

Nitric oxide

Leptin; Blood flow; Endothelium; Blood pressure (Rahmouni, K. (518) 175)

Eosinophil; Airway inflammation; Asthma; Hyperreactivity (Landgraf, R.G. (518) 212)

Oral hypoglycemic agent; Tolbutamide; Microsphere; Regional blood flow; Otsuka Long–Evans Tokushima Fatty rat (Iwase, M. (518) 243)

NMDA

Bupivacaine; Levobupivacaine; Neurotoxicity; Mice mixed cultures of cortical neurons (Marganella, C. (518) 111)

Norharman

β -carboline; Imidazoline I₂ receptor; [³H]2-BFI; [³H]Ro41-1049; [³H]Ro19-6327 (lazabemide); Morphine addiction; (Rat) brain and liver (Miralles, A. (518) 234)

Ob/ob mice

Dipeptidyl peptidase-IV; Glucagon-like peptide-1; Insulin; Oral glucose tolerance test (Kim, K.-R. (518) 63)

Opioid system

Cholestasis; Pruritus; [³⁵S]GTP γ S binding; (Rat) (Inan, S. (518) 182)

Oral glucose tolerance test

Dipeptidyl peptidase-IV; Glucagon-like peptide-1; Insulin; *Ob/ob* mice (Kim, K.-R. (518) 63)

Oral hypoglycemic agent

Tolbutamide; Nitric oxide; Microsphere; Regional blood flow; Otsuka Long–Evans Tokushima Fatty rat (Iwase, M. (518) 243)

Organophosphate

Acetylcholinesterase; Anticonvulsant; Epileptiform activity; Hippocampal slice; Soman (Harrison, P.K. (518) 123)

Otsuka Long–Evans Tokushima Fatty rat

Oral hypoglycemic agent; Tolbutamide; Nitric oxide; Microsphere; Regional blood flow (Iwase, M. (518) 243)

Outflow facility

2-Alkynyladenosine derivative; Intraocular pressure; Adenosine A_{2A} receptor; K⁺ channel (Konno, T. (518) 203)

Ovalbumin

Allergic airway response; Capsazepine; TRPV1 (transient receptor potential vanilloid 1) (van den Worm, E. (518) 77)

P2X receptor

Atomic force microscopy; Protein structure; ATP (Nakazawa, K. (518) 107)

p-Aminohippurate

Urinary excretion; Phenolsulfonphthalein; Anion exchanger; Brush-border membrane (Itagaki, S. (518) 83)

Peroxynitrite

β -adrenoceptor; Redox; Nitration; Vasodilation; Heart rate; (Rat) (Lewis, S.J. (518) 187)

Pharmacodynamics

Chemokine CCR5 receptor; Human CCR5 transgenic mouse; Receptor occupancy (Saita, Y. (518) 227)

Phenolsulfonphthalein

Urinary excretion; p-Aminohippurate; Anion exchanger; Brush-border membrane (Itagaki, S. (518) 83)

Phenylethyl isothiocyanate

Apoptosis; Antioxidant; Caspase-3 inhibitor; PLC/PRF/5 cell (Wu, S.-J. (518) 96)

Phorbol ester

Protein kinase C; Calcium; Intestine; Cell damage (Tepperman, B.L. (518) 1)

PLC/PRF/5 cell

Phenylethyl isothiocyanate; Apoptosis; Antioxidant; Caspase-3 inhibitor (Wu, S.-J. (518) 96)

Pregnenolone sulfate

Hippocampus; G protein; Presynaptic receptor; Sigma receptor; Steroid (Schiess, A.R. (518) 22)

Presynaptic receptor

Hippocampus; G protein; Pregnenolone sulfate; Sigma receptor; Steroid (Schiess, A.R. (518) 22)

Prostaglandin

Cutaneous barrier disruption; Transepidermal water loss; Mechanical scratching (Honma, Y. (518) 56)

Protein kinase C

Calcium; Intestine; Phorbol ester; Cell damage (Tepperman, B.L. (518) 1)

Protein structure

P2X receptor; Atomic force microscopy; ATP (Nakazawa, K. (518) 107)

Pruritus

MRL/*lpr* mouse; Scratching behavior; κ -opioid agonist (Umeuchi, H. (518) 133)

Cholestasis; [³⁵S]GTP γ S binding; Opioid system; (Rat) (Inan, S. (518) 182)

Quinapril

Atorvastatin; Apoptosis; Confocal microscopy; Hypertension; Morphometry; Vascular reactivity (Yang, L. (518) 145)

(Rat)

Cholestasis; Pruritus; [³⁵S]GTP γ S binding; Opioid system (Inan, S. (518) 182)

β -adrenoceptor; Peroxynitrite; Redox; Nitration; Vasodilation; Heart rate (Lewis, S.J. (518) 187)

(Rat) brain and liver

β -carboline; Norharman; Imidazoline I₂ receptor; [³H]2-BFI; [³H]Ro41-1049; [³H]Ro19-6327 (lazabemide); Morphine addiction (Miralles, A. (518) 234)

Receptor occupancy

Chemokine CCR5 receptor; Human CCR5 transgenic mouse; Pharmacodynamics (Saita, Y. (518) 227)

Redox

β -adrenoceptor; Peroxynitrite; Nitration; Vasodilation; Heart rate; (Rat) (Lewis, S.J. (518) 187)

Regional blood flow

Oral hypoglycemic agent; Tolbutamide; Nitric oxide; Microsphere; Otsuka Long–Evans Tokushima Fatty rat (Iwase, M. (518) 243)

Scratching behavior

Pruritus; MRL/*lpr* mouse; κ -opioid agonist (Umeuchi, H. (518) 133)

Selegiline

Donepezil; Water maze; Memory; Acetylcholine (Takahata, K. (518) 140)

[³⁵S]GTP γ S binding

Cholestasis; Pruritus; Opioid system; (Rat) (Inan, S. (518) 182)

Sigma receptor

Hippocampus; G protein; Pregnenolone sulfate; Presynaptic receptor; Steroid (Schiess, A.R. (518) 22)

Soman

Acetylcholinesterase; Anticonvulsant; Epileptiform activity; Hippocampal slice; Organophosphate (Harrison, P.K. (518) 123)

Steroid

Hippocampus; G protein; Pregnenolone sulfate; Presynaptic receptor; Sigma receptor (Schiess, A.R. (518) 22)

Tail suspension

Curcumin; Forced swimming; Locomotor activity; Antidepressant-like effect; Monoamine; Monoamine oxidase; Mice (Xu, Y. (518) 40)

Tolbutamide

Oral hypoglycemic agent; Nitric oxide; Microsphere; Regional blood flow; Otsuka Long–Evans Tokushima Fatty rat (Iwase, M. (518) 243)

Transepidermal water loss

Cutaneous barrier disruption; Prostaglandin; Mechanical scratching (Honma, Y. (518) 56)

TRPV1 (transient receptor potential vanilloid 1)

Allergic airway response; Capsazepine; Ovalbumin (van den Worm, E. (518) 77)

Urinary excretion

Phenolsulfonphthalein; p-Aminohippurate; Anion exchanger; Brush-border membrane (Itagaki, S. (518) 83)

Valsartan

Ischemia; Mitochondria; Heart; Cell biology; Cardioprotection (Monteiro, P. (518) 158)

Vascular reactivity

Quinapril; Atorvastatin; Apoptosis; Confocal microscopy; Hypertension; Morphometry (Yang, L. (518) 145)

Vasodilation

β -adrenoceptor; Peroxynitrite; Redox; Nitration; Heart rate; (Rat) (Lewis, S.J. (518) 187)

Water maze

Selegiline; Donepezil; Memory; Acetylcholine (Takahata, K. (518) 140)