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Acetylcholine receptor

Muscle relaxant; Interaction; Isobologram; Potency; *Xenopus* oocyte; (Antagonist) (Paul, M. (438) 35)

Adenosine A_{2A} receptor

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Glycosylation end product; Cyclooxygenase-2; p38 MAP (mitogen activated protein) kinase; RAW 264.7 cell (Lin, C.-H. (438) 143)

Affective disorder

Renin–angiotensin system; Cognition; Memory (Gard, P.R. (438) 1)

Allergic pulmonary inflammation

Brown Norway rat; Ovalbumin; Adenosine A_{2A} receptor; CGS 21680; ZM 243185 (Fozard, J.R. (438) 183)

AMPA receptor

Cortical neurone, cultured; GABA (γ -aminobutyric acid) immunocytochemistry; Co²⁺ uptake; Fura-2 microfluorimetry; Ca²⁺ concentration, intracellular (Fischer, W. (438) 53)

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Atrium, rat; cAMP (Velasco, L. (438) 45)

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Hydroxyl radical; Peroxynitrite; Lipid peroxidation; Uracil derivative (Goto, Y. (438) 189)

Aorta contraction, rat

Urotensin II, human; Phospholipase C; Protein kinase C; Tyrosine kinase; Rho-kinase; Somatostatin; Somatostatin-receptor antagonist (Rossowski, W.J. (438) 159)

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Diclofenac; Charybdotoxin; Glibenclamide; Pinacidil; Morphine (Ortiz, M.I. (438) 85)

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JNK (c-Jun N-terminal kinase); c-Fos; c-Jun; p53; p21^{WAF1/CIP1} (Kobayashi, K. (438) 19)

Artemisinin

Guanylyl cyclase; Nitric oxide (NO) (Severina, I.S. (438) 69)

Astrocyte

CHO cell; FLIPR; Ca²⁺; Bombesin; [D-Phe⁶, des-Met¹⁴]bombesin-(6–14) ethylester (Mason, S. (438) 25)

Atrium, rat

Androgen; cAMP (Velasco, L. (438) 45)

Bipolar disorder

Depressive disorder; Pharmacogenetics; Genetics (Serretti, A. (438) 117)

Blood pressure

GABA (γ -Aminobutyric acid); Noradrenaline; Mesenteric arterial bed; Perivascular nerve stimulation; Spontaneously hypertensive rat (SHR) (Hayakawa, K. (438) 107)

Bombesin

Astrocyte; CHO cell; FLIPR; Ca²⁺; [D-Phe⁶, des-Met¹⁴]bombesin-(6–14) ethylester (Mason, S. (438) 25)

Brown Norway rat

Allergic pulmonary inflammation; Ovalbumin; Adenosine A_{2A} receptor; CGS 21680; ZM 243185 (Fozard, J.R. (438) 183)

Ca²⁺

Astrocyte; CHO cell; FLIPR; Bombesin; [D-Phe⁶, des-Met¹⁴]bombesin-(6–14) ethylester (Mason, S. (438) 25)

Ca²⁺ concentration, intracellular

AMPA receptor; Cortical neurone, cultured; GABA (γ -aminobutyric acid) immunocytochemistry; Co²⁺ uptake; Fura-2 microfluorimetry (Fischer, W. (438) 53)

Calcineurin

Tacrolimus; Dopamine D1 receptor; Dopamine D2 receptor; Dopamine D3 receptor; Locomotor activity (Sakanoue, M. (438) 93)

cAMP

Androgen; Atrium, rat (Velasco, L. (438) 45)

Cephalosporin antibiotic

Organic anion transporter; Proximal tubule; Interaction (Takeda, M. (438) 137)

Cerebral artery

Hypertension; Nitric oxide (NO); K⁺ channel; Y-27632; Rho-associated kinase (Kitayama, J. (438) 153)

c-Fos

Apoptosis; JNK (c-Jun N-terminal kinase); c-Jun; p53; p21^{WAF1/CIP1} (Kobayashi, K. (438) 19)

c-GMP

Dopamine; L-DOPA (L-3,4-dihydroxyphenylalanine); Nitric oxide (NO); Peroxynitrite; Striatum (Sanchez, J.J. (438) 79)

CGS 21680

Allergic pulmonary inflammation; Brown Norway rat; Ovalbumin; Adenosine A_{2A} receptor; ZM 243185 (Fozard, J.R. (438) 183)

Charybdotoxin

Diclofenac; Apamin; Glibenclamide; Pinacidil; Morphine (Ortiz, M.I. (438) 85)

Chemotherapy

Leukaemia; Survival; GST (glutathione *S*-transferase) (Autrup, J.L. (438) 15)

CHO cell

Astrocyte; FLIPR; Ca^{2+} ; Bombesin; [D-Phe⁶, des-Met¹⁴]bombesin-(6–14) ethylester (Mason, S. (438) 25)

Choline

Hyperglycemia; Glucoregulation; Sympatho-adrenal activity; Cholinergic activity, rat (Gürün, M.S. (438) 197)

Cholinergic activity, rat

Choline; Hyperglycemia; Glucoregulation; Sympatho-adrenal activity (Gürün, M.S. (438) 197)

c-Jun

Apoptosis; JNK (c-Jun N-terminal kinase); c-Fos; p53; p21^{WAF1/CIP1} (Kobayashi, K. (438) 19)

Cognition

Renin–angiotensin system; Affective disorder; Memory (Gard, P.R. (438) 1)

Collecting tubule

Purinoreceptor; Vasopressin; Water permeability (Edwards, R.M. (438) 179)

Cortex, prefrontal

Long-term potentiation; Dopamine (Blond, O. (438) 115)

Cortical neurone, cultured

AMPA receptor; GABA (γ -aminobutyric acid) immunocytochemistry; Co^{2+} uptake; Fura-2 microfluorimetry; Ca^{2+} concentration, intracellular (Fischer, W. (438) 53)

 Co^{2+} uptake

AMPA receptor; Cortical neurone, cultured; GABA (γ -aminobutyric acid) immunocytochemistry; Fura-2 microfluorimetry; Ca^{2+} concentration, intracellular (Fischer, W. (438) 53)

Cyclooxygenase-2

Glycosylation end product; Advanced; p38 MAP (mitogen activated protein) kinase; RAW 264.7 cell (Lin, C.-H. (438) 143)

Depressive disorder

Bipolar disorder; Pharmacogenetics; Genetics (Serretti, A. (438) 117)

Desglycyl-remacemide

Remacemide; Antiepileptic drug; Na^+ channel; Synaptosome, Rat (Santangeli, S. (438) 63)

Dextromethorphan

18-Methoxycoronaridine; Mecamylamine; Morphine; Methamphetamine; Nicotine receptor; Drug addiction (Glick, S.D. (438) 99)

Diclofenac

Apamin; Charybdotoxin; Glibenclamide; Pinacidil; Morphine (Ortiz, M.I. (438) 85)

L-DOPA (L-3,4-dihydroxyphenylalanine)

c-GMP; Dopamine; Nitric oxide (NO); Peroxynitrite; Striatum (Sanchez, J.J. (438) 79)

Dopamine

c-GMP; L-DOPA (L-3,4-dihydroxyphenylalanine); Nitric oxide (NO); Peroxynitrite; Striatum (Sanchez, J.J. (438) 79)

Long-term potentiation; Cortex, prefrontal (Blond, O. (438) 115)

Dopamine D1 receptor

Tacrolimus; Calcineurin; Dopamine D2 receptor; Dopamine D3 receptor; Locomotor activity (Sakanoue, M. (438) 93)

Dopamine D2 receptor

Vesicular monoamine transporter; NMDA receptor (Crosby, M.J. (438) 75)

Tacrolimus; Calcineurin; Dopamine D1 receptor; Dopamine D3 receptor; Locomotor activity (Sakanoue, M. (438) 93)

Dopamine D3 receptor

Tacrolimus; Calcineurin; Dopamine D1 receptor; Dopamine D2 receptor; Locomotor activity (Sakanoue, M. (438) 93)

Drug addiction

18-Methoxycoronaridine; Dextromethorphan; Mecamylamine; Morphine; Methamphetamine; Nicotine receptor (Glick, S.D. (438) 99)

FLIPR

Astrocyte; CHO cell; Ca^{2+} ; Bombesin; [D-Phe⁶, des-Met¹⁴]bombesin-(6–14) ethylester (Mason, S. (438) 25)

Food intake

(MCH) melanin-concentrating hormone; SLC-1 receptor; Receptor antagonist; Obesity (Takekawa, S. (438) 129)

Fura-2 microfluorimetry

AMPA receptor; Cortical neurone, cultured; GABA (γ -aminobutyric acid) immunocytochemistry; Co^{2+} uptake; Ca^{2+} concentration, intracellular (Fischer, W. (438) 53)

GABA (γ -Aminobutyric acid)

Noradrenaline; Blood pressure; Mesenteric arterial bed; Perivascular nerve stimulation; Spontaneously hypertensive rat (SHR) (Hayakawa, K. (438) 107)

GABA (γ -aminobutyric acid) immunocytochemistry

AMPA receptor; Cortical neurone, cultured; Co^{2+} uptake; Fura-2 microfluorimetry; Ca^{2+} concentration, intracellular (Fischer, W. (438) 53)

Genetics

Bipolar disorder; Depressive disorder; Pharmacogenetics (Serretti, A. (438) 117)

Glibenclamide

Diclofenac; Apamin; Charybdotoxin; Pinacidil; Morphine (Ortiz, M.I. (438) 85)

Glucoregulation

Choline; Hyperglycemia; Sympatho-adrenal activity; Cholinergic activity, rat (Gürün, M.S. (438) 197)

Glycosylation end product

Advanced; Cyclooxygenase-2; p38 MAP (mitogen activated protein) kinase; RAW 264.7 cell (Lin, C.-H. (438) 143)

GST (glutathione *S*-transferase)

Leukaemia; Chemotherapy; Survival (Autrup, J.L. (438) 15)

Guanylyl cyclase

Nitric oxide (NO); Artemisinin (Severina, I.S. (438) 69)

Hydroxyl radical

Antioxidant; Peroxynitrite; Lipid peroxidation; Uracil derivative (Goto, Y. (438) 189)

Hyperglycemia

Choline; Glucoregulation; Sympatho-adrenal activity; Cholinergic activity, rat (Gürün, M.S. (438) 197)

Hypertension

Cerebral artery; Nitric oxide (NO); K^+ channel; Y-27632; Rho-associated kinase (Kitayama, J. (438) 153)

Interaction

Acetylcholine receptor; Muscle relaxant; Isobologram; Potency; *Xenopus* oocyte; (Antagonist) (Paul, M. (438) 35)

Organic anion transporter; Proximal tubule; Cephalosporin antibiotic (Takeda, M. (438) 137)

Isobologram

Acetylcholine receptor; Muscle relaxant; Interaction; Potency; *Xenopus* oocyte; (Antagonist) (Paul, M. (438) 35)

JNK (c-Jun N-terminal kinase)

Apoptosis; c-Fos; c-Jun; p53; p21^{WAF1/CIP1} (Kobayashi, K. (438) 19)

 K^+ channel

Cerebral artery; Hypertension; Nitric oxide (NO); Y-27632; Rho-associated kinase (Kitayama, J. (438) 153)

Leukaemia

Chemotherapy; Survival; GST (glutathione *S*-transferase) (Autrup, J.L. (438) 15)

Lipid peroxidation

Antioxidant; Hydroxyl radical; Peroxynitrite; Uracil derivative (Goto, Y. (438) 189)

Locomotor activity

Tacrolimus; Calcineurin; Dopamine D1 receptor; Dopamine D2 receptor; Dopamine D3 receptor (Sakanoue, M. (438) 93)

Long-term potentiation

Dopamine; Cortex, prefrontal (Blond, O. (438) 115)

p38 MAP (mitogen activated protein) kinase

Glycosylation end product; Advanced; Cyclooxygenase-2; RAW 264.7 cell (Lin, C.-H. (438) 143)

Mecamylamine

18-Methoxycoronaridine; Dextromethorphan; Morphine; Methamphetamine; Nicotine receptor; Drug addiction (Glick, S.D. (438) 99)

(MCH) melanin-concentrating hormone

SLC-1 receptor; Receptor antagonist; Food intake; Obesity (Takekawa, S. (438) 129)

Memory

Renin-angiotensin system; Affective disorder; Cognition (Gard, P.R. (438) 1)

Mesenteric arterial bed

GABA (γ -Aminobutyric acid); Noradrenaline; Blood pressure; Perivascular nerve stimulation; Spontaneously hypertensive rat (SHR) (Hayakawa, K. (438) 107)

Methamphetamine

18-Methoxycoronaridine; Dextromethorphan; Mecamylamine; Morphine; Nicotine receptor; Drug addiction (Glick, S.D. (438) 99)

18-Methoxycoronaridine

Dextromethorphan; Mecamylamine; Morphine; Methamphetamine; Nicotine receptor; Drug addiction (Glick, S.D. (438) 99)

Morphine

Diclofenac; Apamin; Charybdotoxin; Glibenclamide; Pinacidil (Ortiz, M.I. (438) 85)

18-Methoxycoronaridine; Dextromethorphan; Mecamylamine; Methamphetamine; Nicotine receptor; Drug addiction (Glick, S.D. (438) 99)

Muscle relaxant

Acetylcholine receptor; Interaction; Isobologram; Potency; *Xenopus* oocyte; (Antagonist) (Paul, M. (438) 35)

 Na^+ channel

Remacemide; Desglycyl-remacemide; Antiepileptic drug; Synaptosome, Rat (Santangeli, S. (438) 63)

Neurokinin A

Urinary bladder; Tachykinin; Phosphoramidon; Neutral endopeptidase; Urothelium (Warner, F.J. (438) 171)

Neutral endopeptidase

Urinary bladder; Tachykinin; Neurokinin A; Phosphoramidon; Urothelium (Warner, F.J. (438) 171)

Nicotine receptor

18-Methoxycoronaridine; Dextromethorphan; Mecamylamine; Morphine; Methamphetamine; Drug addiction (Glick, S.D. (438) 99)

Nitric oxide (NO)

Guanylyl cyclase; Artemisinin (Severina, I.S. (438) 69)

c-GMP; Dopamine; L-DOPA (L-3,4-dihydroxyphenylalanine); Peroxynitrite; Striatum (Sanchez, J.J. (438) 79)

Cerebral artery; Hypertension; K^+ channel; Y-27632; Rho-associated kinase (Kitayama, J. (438) 153)

NMDA receptor

Vesicular monoamine transporter; Dopamine D2 receptor (Crosby, M.J. (438) 75)

Noradrenaline

GABA (γ -Aminobutyric acid); Blood pressure; Mesenteric arterial bed; Perivascular nerve stimulation; Spontaneously hypertensive rat (SHR) (Hayakawa, K. (438) 107)

Obesity

(MCH) melanin-concentrating hormone; SLC-1 receptor; Receptor antagonist; Food intake (Takekawa, S. (438) 129)

Organic anion transporter

Proximal tubule; Cephalosporin antibiotic; Interaction (Takeda, M. (438) 137)

Ovalbumin

Allergic pulmonary inflammation; Brown Norway rat; Adenosine A_{2A} receptor; CGS 21680; ZM 243185 (Fozard, J.R. (438) 183)

p21^{WAF1/CIP1}

Apoptosis; JNK (c-Jun N-terminal kinase); c-Fos; c-Jun; p53 (Kobayashi, K. (438) 19)

p53

Apoptosis; JNK (c-Jun N-terminal kinase); c-Fos; c-Jun; p21^{WAF1/CIP1} (Kobayashi, K. (438) 19)

Perivascular nerve stimulation

GABA (γ -Aminobutyric acid); Noradrenaline; Blood pressure; Mesenteric arterial bed; Spontaneously hypertensive rat (SHR) (Hayakawa, K. (438) 107)

Peroxynitrite

c-GMP; Dopamine; L-DOPA (L-3,4-dihydroxyphenylalanine); Nitric oxide (NO); Striatum (Sanchez, J.J. (438) 79)

Antioxidant; Hydroxyl radical; Lipid peroxidation; Uracil derivative (Goto, Y. (438) 189)

Pharmacogenetics

Bipolar disorder; Depressive disorder; Genetics (Serretti, A. (438) 117)

[D-Phe⁶, des-Met¹⁴]bombesin-(6–14) ethylester

Astrocyte; CHO cell; FLIPR; Ca²⁺; Bombesin (Mason, S. (438) 25)

Phospholipase C

Urotensin II, human; Aorta contraction, rat; Protein kinase C; Tyrosine kinase; Rho-kinase; Somatostatin; Somatostatin-receptor antagonist (Rossowski, W.J. (438) 159)

Phosphoramidon

Urinary bladder; Tachykinin; Neurokinin A; Neutral endopeptidase; Urothelium (Warner, F.J. (438) 171)

Pinacidil

Diclofenac; Apamin; Charybdotoxin; Glibenclamide; Morphine (Ortiz, M.I. (438) 85)

Potency

Acetylcholine receptor; Muscle relaxant; Interaction; Isobologram; *Xenopus* oocyte; (Antagonist) (Paul, M. (438) 35)

Protein kinase C

Urotensin II, human; Aorta contraction, rat; Phospholipase C; Tyrosine kinase; Rho-kinase; Somatostatin; Somatostatin-receptor antagonist (Rossowski, W.J. (438) 159)

Proximal tubule

Organic anion transporter; Cephalosporin antibiotic; Interaction (Takeda, M. (438) 137)

Purinoceptor

Vasopressin; Collecting tubule; Water permeability (Edwards, R.M. (438) 179)

RAW 264.7 cell

Glycosylation end product; Advanced; Cyclooxygenase-2; p38 MAP (mitogen activated protein) kinase (Lin, C.-H. (438) 143)

Receptor antagonist

(MCH) melanin-concentrating hormone; SLC-1 receptor; Food intake; Obesity (Takekawa, S. (438) 129)

Remacemide

Desglycyl-remacemide; Antiepileptic drug; Na⁺ channel; Synapse, Rat (Santangeli, S. (438) 63)

Renin–angiotensin system

Affective disorder; Cognition; Memory (Gard, P.R. (438) 1)

Rho-associated kinase

Cerebral artery; Hypertension; Nitric oxide (NO); K⁺ channel; Y-27632 (Kitayama, J. (438) 153)

Rho-kinase

Urotensin II, human; Aorta contraction, rat; Phospholipase C; Protein kinase C; Tyrosine kinase; Somatostatin; Somatostatin-receptor antagonist (Rossowski, W.J. (438) 159)

SLC-1 receptor

(MCH) melanin-concentrating hormone; Receptor antagonist; Food intake; Obesity (Takekawa, S. (438) 129)

Somatostatin

Urotensin II, human; Aorta contraction, rat; Phospholipase C; Protein kinase C; Tyrosine kinase; Rho-kinase; Somatostatin-receptor antagonist (Rossowski, W.J. (438) 159)

Somatostatin-receptor antagonist

Urotensin II, human; Aorta contraction, rat; Phospholipase C; Protein kinase C; Tyrosine kinase; Rho-kinase; Somatostatin (Rossowski, W.J. (438) 159)

Spontaneously hypertensive rat (SHR)

GABA (γ -Aminobutyric acid); Noradrenaline; Blood pressure; Mesenteric arterial bed; Perivascular nerve stimulation (Hayakawa, K. (438) 107)

Striatum

c-GMP; Dopamine; L-DOPA (L-3,4-dihydroxyphenylalanine); Nitric oxide (NO); Peroxynitrite (Sanchez, J.J. (438) 79)

Survival

Leukaemia; Chemotherapy; GST (glutathione S-transferase) (Autrup, J.L. (438) 15)

Sympatho-adrenal activity

Choline; Hyperglycemia; Glucoregulation; Cholinergic activity, rat (Gürün, M.S. (438) 197)

Synapsome, Rat

Remacemide; Desglycyl-remacemide; Antiepileptic drug; Na⁺ channel (Santangeli, S. (438) 63)

Tachykinin

Urinary bladder; Neurokinin A; Phosphoramidon; Neutral endopeptidase; Urothelium (Warner, F.J. (438) 171)

Tacrolimus

Calcineurin; Dopamine D1 receptor; Dopamine D2 receptor; Dopamine D3 receptor; Locomotor activity (Sakanoue, M. (438) 93)

Tyrosine kinase

Urotensin II, human; Aorta contraction, rat; Phospholipase C; Protein kinase C; Rho-kinase; Somatostatin; Somatostatin-receptor antagonist (Rossowski, W.J. (438) 159)

Uracil derivative

Antioxidant; Hydroxyl radical; Peroxynitrite; Lipid peroxidation (Goto, Y. (438) 189)

Urinary bladder

Tachykinin; Neurokinin A; Phosphoramidon; Neutral endopeptidase; Urothelium (Warner, F.J. (438) 171)

Urotensin II, human

Aorta contraction, rat; Phospholipase C; Protein kinase C; Tyrosine kinase; Rho-kinase; Somatostatin; Somatostatin-receptor antagonist (Rosowski, W.J. (438) 159)

Urothelium

Urinary bladder; Tachykinin; Neurokinin A; Phosphoramidon; Neutral endopeptidase (Warner, F.J. (438) 171)

Vasopressin

Purinoceptor; Collecting tubule; Water permeability (Edwards, R.M. (438) 179)

Vesicular monoamine transporter

Dopamine D2 receptor; NMDA receptor (Crosby, M.J. (438) 75)

Water permeability

Purinoceptor; Vasopressin; Collecting tubule (Edwards, R.M. (438) 179)

Xenopus oocyte

Acetylcholine receptor; Muscle relaxant; Interaction; Isobologram; Potency; (Antagonist) (Paul, M. (438) 35)

Y-27632

Cerebral artery; Hypertension; Nitric oxide (NO); K⁺ channel; Rho-associated kinase (Kitayama, J. (438) 153)

ZM 243185

Allergic pulmonary inflammation; Brown Norway rat; Ovalbumin; Adenosine A_{2A} receptor; CGS 21680 (Fozard, J.R. (438) 183)