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Action potential

Azimilide; Delayed rectifier K^+ current; Papillary muscle; Purkinje fiber (Takács, J. (470) 163)

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Self-administration; NR2B subunit; Protein; Up-regulation (Henniger, M.S.H. (470) 33)

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Mycobacterium vaccae; Asthma; Hygiene hypothesis (Smit, J.J. (470) 193)

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Nicotinic acetylcholine receptor; Epibatidine; Radioligand; Spinal cord (Nishiyama, T. (470) 27)

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Animal model; Nociception; Gene expression; Polymerase chain reaction (PCR); Quantitative PCR; (Rat) (Hofmann, H.A. (470) 17)

Animal model

Analgesic; Nociception; Gene expression; Polymerase chain reaction (PCR); Quantitative PCR; (Rat) (Hofmann, H.A. (470) 17)

Antagonist

ATP receptor; Oocyte; Voltage clamp; Whole cell; NF449 (4,4',4'',4'''-(carbonylbis(imino-5,1,3-benzenetriylbis(carbonylimino)))tetrakis-benzene-1,3-disulfonic acid) (Hülsmann, M. (470) 1)

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Scratching behavior; Histamine H_1 receptor; Histamine H_1 receptor antagonist (Sugimoto, Y. (470) 113)

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Ethanol; Cytochrome c; Caspase-3; Poly (ADP-ribose) polymerase-1; DNA fragmentation; Neuron; Cortex; Cerebellum (Rajgopal, Y. (470) 117)

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Nantenine; Ca^{2+} entry blocker; Fura-2; Smooth muscle; Vas deferens, rat (Ribeiro, R.d.A. (470) 37)

Arterial pressure, mean

Apelin; Circulatory filling pressure, mean; Venous tone; Capacitance vessel; Ganglionic blockade (Cheng, X. (470) 171)

Asthma

Mycobacterium vaccae; Allergy; Hygiene hypothesis (Smit, J.J. (470) 193)

ATP receptor

Oocyte; Antagonist; Voltage clamp; Whole cell; NF449 (4,4',4'',4'''-(carbonylbis(imino-5,1,3-benzenetriylbis(carbonylimino)))tetrakis-benzene-1,3-disulfonic acid) (Hülsmann, M. (470) 1)

Azimilide

Delayed rectifier K^+ current; Papillary muscle; Purkinje fiber; Action potential (Takács, J. (470) 163)

Baclofen

Breath test; GABA_B receptor; Gastric emptying; (Mouse) (Symonds, E. (470) 95)

Black tea

Thearubigin; Inflammatory bowel disease; Colitis; Cytokine; Nitric oxide (NO) synthase, inducible; NF- κ B (nuclear factor kappa B) (Maity, S. (470) 103)

(Bovine)

cAMP; Lidocaine; Anaesthetic, local; Smooth muscle (Yunoki, M. (470) 65)

Breath test

Baclofen; GABA_B receptor; Gastric emptying; (Mouse) (Symonds, E. (470) 95)

Ca^{2+}

LASSBio 294 (L-294); Skeletal muscle; Contractility; Sarcoplasmic reticulum (Zapata-Sudo, G. (470) 79)

Ca^{2+} channel L-type

β -Adrenoceptor; cAMP; Protein kinase A; Urinary bladder; Smooth muscle (Kobayashi, H. (470) 9)

Norbormide; (Rat); Trachea; Urinary bladder; Duodenum (Bova, S. (470) 185)

Ca^{2+} entry blocker

Nantenine; Aporphine; Fura-2; Smooth muscle; Vas deferens, rat (Ribeiro, R.d.A. (470) 37)

Calcitonin receptor-like receptor

CGRP (Calcitonin gene-related peptide); MAP (Mitogen-activated protein) kinase; Proliferation; Osteoblast (Kawase, T. (470) 125)

cAMP

β -Adrenoceptor; Protein kinase A; Urinary bladder; Smooth muscle; Ca^{2+} channel L-type (Kobayashi, H. (470) 9)

Phosphodiesterase type 4; Relaxation; Smooth muscle, Tracheal (Moriuchi, H. (470) 57)

(Bovine); Lidocaine; Anaesthetic, local; Smooth muscle (Yunoki, M. (470) 65)

Capacitance vessel

Apelin; Arterial pressure, mean; Circulatory filling pressure, mean; Venous tone; Ganglionic blockade (Cheng, X. (470) 171)

Caspase-3

Ethanol; Apoptosis; Cytochrome *c*; Poly (ADP-ribose) polymerase-1; DNA fragmentation; Neuron; Cortex; Cerebellum (Rajgopal, Y. (470) 117)

Cerebellum

Ethanol; Apoptosis; Cytochrome *c*; Caspase-3; Poly (ADP-ribose) polymerase-1; DNA fragmentation; Neuron; Cortex (Rajgopal, Y. (470) 117)

Cetirizine

Histamine H₁ receptor antagonism; Receptor reserve; Dissociation kinetic; Ileum, guinea pig; Trachea, guinea pig (Christophe, B. (470) 87)

CGRP (Calcitonin gene-related peptide)

Calcitonin receptor-like receptor; MAP (Mitogen-activated protein) kinase; Proliferation; Osteoblast (Kawase, T. (470) 125)

Circulatory filling pressure, mean

Apelin; Arterial pressure, mean; Venous tone; Capacitance vessel; Ganglionic blockade (Cheng, X. (470) 171)

Colitis

Thearubigin; Inflammatory bowel disease; Black tea; Cytokine; Nitric oxide (NO) synthase, inducible; NF- κ B (nuclear factor kappa B) (Maity, S. (470) 103)

Contractility

LASSBio 294 (L-294); Skeletal muscle; Ca²⁺; Sarcoplasmic reticulum (Zapata-Sudo, G. (470) 79)

Cortex

Ethanol; Apoptosis; Cytochrome *c*; Caspase-3; Poly (ADP-ribose) polymerase-1; DNA fragmentation; Neuron; Cerebellum (Rajgopal, Y. (470) 117)

Corticosterone

α -MSH (melanocyte-stimulating hormone); Ischemia; Reperfusion; Heart, rat (Vecsernyes, M. (470) 177)

Cytochrome *c*

Ethanol; Apoptosis; Caspase-3; Poly (ADP-ribose) polymerase-1; DNA fragmentation; Neuron; Cortex; Cerebellum (Rajgopal, Y. (470) 117)

Cytokine

Thearubigin; Inflammatory bowel disease; Black tea; Colitis; Nitric oxide (NO) synthase, inducible; NF- κ B (nuclear factor kappa B) (Maity, S. (470) 103)

Delayed rectifier K⁺ current

Azimilide; Papillary muscle; Purkinje fiber; Action potential (Takács, J. (470) 163)

Dissociation kinetic

Cetirizine; Histamine H₁ receptor antagonism; Receptor reserve; Ileum, guinea pig; Trachea, guinea pig (Christophe, B. (470) 87)

DNA fragmentation

Ethanol; Apoptosis; Cytochrome *c*; Caspase-3; Poly (ADP-ribose) polymerase-1; Neuron; Cortex; Cerebellum (Rajgopal, Y. (470) 117)

Drug interaction

GHB (γ -hydroxy butyrate); Ethanol; NCS 382; (Rat); Schedule-controlled behavior (Lamb, R.J. (470) 157)

Duodenum

Norbormide; (Rat); Trachea; Urinary bladder; Ca²⁺ channel L-type (Bova, S. S. (470) 185)

Endothelin ET_A receptor

Endothelin ET_B receptor; Urinary bladder; Receptor autoradiography (Yoshida, A. (470) 99)

Endothelin ET_B receptor

Endothelin ET_A receptor; Urinary bladder; Receptor autoradiography (Yoshida, A. (470) 99)

Epibatidine

Nicotinic acetylcholine receptor; Radioligand; Analgesia; Spinal cord (Nishiyama, T. (470) 27)

Ethanol

Apoptosis; Cytochrome *c*; Caspase-3; Poly (ADP-ribose) polymerase-1; DNA fragmentation; Neuron; Cortex; Cerebellum (Rajgopal, Y. (470) 117)

GHB (γ -hydroxy butyrate); NCS 382; (Rat); Schedule-controlled behavior; Drug interaction (Lamb, R.J. (470) 157)

Flumazenil

Morphine; Tolerance; Sex; Analgesia; (Rat) (Holtman Jr., J.R. (470) 149)

Fura-2

Nantenine; Aporphine; Ca²⁺ entry blocker; Smooth muscle; Vas deferens, rat (Ribeiro, R.d.A. (470) 37)

GABA_B receptor

Baclofen; Breath test; Gastric emptying; (Mouse) (Symonds, E. (470) 95)

Ganglionic blockade

Apelin; Arterial pressure, mean; Circulatory filling pressure, mean; Venous tone; Capacitance vessel (Cheng, X. (470) 171)

Gastric emptying

Baclofen; Breath test; GABA_B receptor; (Mouse) (Symonds, E. (470) 95)

Gene expression

Analgesic; Animal model; Nociception; Polymerase chain reaction (PCR); Quantitative PCR; (Rat) (Hofmann, H.A. (470) 17)

GHB (γ -hydroxy butyrate)

Ethanol; NCS 382; (Rat); Schedule-controlled behavior; Drug interaction (Lamb, R.J. (470) 157)

Heart, rat

α -MSH (melanocyte-stimulating hormone); Ischemia; Reperfusion; Corticosterone (Vecsernyes, M. (470) 177)

Histamine

Pulmonary artery; Nitric oxide (NO); (Wistar–Kyoto rat); Spontaneously hypertensive, rat (Lau, W.H. (470) 45)

Histamine H₁ receptor

Scratching behavior; Histamine H₁ receptor antagonist; Anti-allergic drug (Sugimoto, Y. (470) 113)

Histamine H₁ receptor antagonism

Cetirizine; Receptor reserve; Dissociation kinetic; Ileum, guinea pig; Trachea, guinea pig (Christophe, B. (470) 87)

Histamine H₁ receptor antagonist

Scratching behavior; Histamine H₁ receptor; Anti-allergic drug (Sugimoto, Y. (470) 113)

H₃ receptor

Immepip; Antinociception (Cannon, K.E. (470) 139)

Hygiene hypothesis

Mycobacterium vaccae; Allergy; Asthma (Smit, J.J. (470) 193)

Ileum, guinea pig

Cetirizine; Histamine H₁ receptor antagonism; Receptor reserve; Dissociation kinetic; Trachea, guinea pig (Christophe, B. (470) 87)

Immepip

H₃ receptor; Antinociception (Cannon, K.E. (470) 139)

Inflammatory bowel disease

Thearubigin; Black tea; Colitis; Cytokine; Nitric oxide (NO) synthase, inducible; NF-κB (nuclear factor kappa B) (Maity, S. (470) 103)

Ischemia

α-MSH (melanocyte-stimulating hormone); Reperfusion; Corticosterone; Heart, rat (Vecsernyes, M. (470) 177)

8-Iso-prostaglandin E₂

8-Iso-prostaglandin F_{2α}; Prostanoid EP₃ receptor; TP receptor; Noradrenaline release; Stomach, rat; Pertussis toxin (Nakamura, K. (470) 73)

8-Iso-prostaglandin F_{2α}

8-Iso-prostaglandin E₂; Prostanoid EP₃ receptor; TP receptor; Noradrenaline release; Stomach, rat; Pertussis toxin (Nakamura, K. (470) 73)

LASSBio 294 (L-294)

Skeletal muscle; Contractility; Ca²⁺; Sarcoplasmic reticulum (Zapata-Sudo, G. (470) 79)

Lidocaine

cAMP; (Bovine); Anaesthetic, local; Smooth muscle (Yunoki, M. (470) 65)

MAP (Mitogen-activated protein) kinase

Calcitonin receptor-like receptor; CGRP (Calcitonin gene-related peptide); Proliferation; Osteoblast (Kawase, T. (470) 125)

Morphine

Flumazenil; Tolerance; Sex; Analgesia; (Rat) (Holtman Jr., J.R. (470) 149)

(Mouse)

Baclofen; Breath test; GABA_B receptor; Gastric emptying (Symonds, E. (470) 95)

α-MSH (melanocyte-stimulating hormone)

Ischemia; Reperfusion; Corticosterone; Heart, rat (Vecsernyes, M. (470) 177)

Mycobacterium vaccae

Allergy; Asthma; Hygiene hypothesis (Smit, J.J. (470) 193)

Nantenine

Aporphine; Ca²⁺ entry blocker; Fura-2; Smooth muscle; Vas deferens, rat (Ribeiro, R.d.A. (470) 37)

NCS 382

GHB (γ-hydroxy butyrate); Ethanol; (Rat); Schedule-controlled behavior; Drug interaction (Lamb, R.J. (470) 157)

Neuron

Ethanol; Apoptosis; Cytochrome c; Caspase-3; Poly (ADP-ribose) polymerase-1; DNA fragmentation; Cortex; Cerebellum (Rajgopal, Y. (470) 117)

NF-κB (nuclear factor kappa B)

Thearubigin; Inflammatory bowel disease; Black tea; Colitis; Cytokine; Nitric oxide (NO) synthase, inducible (Maity, S. (470) 103)

NF449 (4,4',4''-(carbonylbis(imino-5,1,3-benzenetriylbis(carbonylimino)))tetrakis-benzene-1,3-disulfonic acid)

ATP receptor; Oocyte; Antagonist; Voltage clamp; Whole cell (Hülsmann, M. (470) 1)

Nicotinic acetylcholine receptor

Epibatidine; Radioligand; Analgesia; Spinal cord (Nishiyama, T. (470) 27)

Nitric oxide (NO)

Histamine; Pulmonary artery; (Wistar–Kyoto rat); Spontaneously hypertensive, rat (Lau, W.H. (470) 45)

Nitric oxide (NO) synthase, inducible

Thearubigin; Inflammatory bowel disease; Black tea; Colitis; Cytokine; NF-κB (nuclear factor kappa B) (Maity, S. (470) 103)

Nociception

Analgesic; Animal model; Gene expression; Polymerase chain reaction (PCR); Quantitative PCR; (Rat) (Hofmann, H.A. (470) 17)

Noradrenaline release

8-Iso-prostaglandin E₂; 8-Iso-prostaglandin F_{2α}; Prostanoid EP₃ receptor; TP receptor; Stomach, rat; Pertussis toxin (Nakamura, K. (470) 73)

Norbormide

(Rat); Trachea; Urinary bladder; Duodenum; Ca²⁺ channel L-type (Bova, S. (470) 185)

NR2B subunit

Alcohol; Self-administration; Protein; Up-regulation (Henniger, M.S.H. (470) 33)

Oocyte

ATP receptor; Antagonist; Voltage clamp; Whole cell; NF449 (4,4',4''-(carbonylbis(imino-5,1,3-benzenetriylbis(carbonylimino)))tetrakis-benzene-1,3-disulfonic acid) (Hülsmann, M. (470) 1)

Osteoblast

Calcitonin receptor-like receptor; CGRP (Calcitonin gene-related peptide); MAP (Mitogen-activated protein) kinase; Proliferation (Kawase, T. (470) 125)

Papillary muscle

Azimilide; Delayed rectifier K⁺ current; Purkinje fiber; Action potential (Takács, J. (470) 163)

Pertussis toxin

8-Iso-prostaglandin E₂; 8-Iso-prostaglandin F_{2α}; Prostanoid EP₃ receptor; TP receptor; Noradrenaline release; Stomach, rat (Nakamura, K. (470) 73)

Phosphodiesterase type 4

cAMP; Relaxation; Smooth muscle, Tracheal (Moriuchi, H. (470) 57)

Poly (ADP-ribose) polymerase-1

Ethanol; Apoptosis; Cytochrome c; Caspase-3; DNA fragmentation; Neuron; Cortex; Cerebellum (Rajgopal, Y. (470) 117)

Polymerase chain reaction (PCR)

Analgesic; Animal model; Nociception; Gene expression; Quantitative PCR; (Rat) (Hofmann, H.A. (470) 17)

Proliferation

Calcitonin receptor-like receptor; CGRP (Calcitonin gene-related peptide); MAP (Mitogen-activated protein) kinase; Osteoblast (Kawase, T. (470) 125)

Prostanoid EP₃ receptor

8-Iso-prostaglandin E₂; 8-Iso-prostaglandin F_{2α}; TP receptor; Noradrenaline release; Stomach, rat; Pertussis toxin (Nakamura, K. (470) 73)

Protein

Alcohol; Self-administration; NR2B subunit; Up-regulation (Henniger, M.S.H. (470) 33)

Protein kinase A

β-Adrenoceptor; cAMP; Urinary bladder; Smooth muscle; Ca²⁺ channel L-type (Kobayashi, H. (470) 9)

Pulmonary artery

Histamine; Nitric oxide (NO); (Wistar–Kyoto rat); Spontaneously hypertensive, rat (Lau, W.H. (470) 45)

Purkinje fiber

Azimilide; Delayed rectifier K⁺ current; Papillary muscle; Action potential (Takács, J. (470) 163)

Quantitative PCR

Analgesic; Animal model; Nociception; Gene expression; Polymerase chain reaction (PCR); (Rat) (Hofmann, H.A. (470) 17)

Radioligand

Nicotinic acetylcholine receptor; Epibatidine; Analgesia; Spinal cord (Nishiyama, T. (470) 27)

(Rat)

Analgesic; Animal model; Nociception; Gene expression; Polymerase chain reaction (PCR); Quantitative PCR (Hofmann, H.A. (470) 17)

Flumazenil; Morphine; Tolerance; Sex; Analgesia (Holtman Jr., J.R. (470) 149)

GHB (γ-hydroxy butyrate); Ethanol; NCS 382; Schedule-controlled behavior; Drug interaction (Lamb, R.J. (470) 157)

Norbormide; Trachea; Urinary bladder; Duodenum; Ca²⁺ channel L-type (Bova, S. (470) 185)

Receptor autoradiography

Endothelin ET_A receptor; Endothelin ET_B receptor; Urinary bladder (Yoshida, A. (470) 99)

Receptor reserve

Cetirizine; Histamine H₁ receptor antagonism; Dissociation kinetic; Ileum, guinea pig; Trachea, guinea pig (Christophe, B. (470) 87)

Relaxation

cAMP; Phosphodiesterase type 4; Smooth muscle, Tracheal (Moriuchi, H. (470) 57)

Reperfusion

α-MSH (melanocyte-stimulating hormone); Ischemia; Corticosterone; Heart, rat (Vecseryes, M. (470) 177)

Sarcoplasmic reticulum

LASSBio 294 (L-294); Skeletal muscle; Contractility; Ca²⁺ (Zapata-Sudo, G. (470) 79)

Schedule-controlled behavior

GHB (γ-hydroxy butyrate); Ethanol; NCS 382; (Rat); Drug interaction (Lamb, R.J. (470) 157)

Scratching behavior

Histamine H₁ receptor; Histamine H₁ receptor antagonist; Anti-allergic drug (Sugimoto, Y. (470) 113)

Self-administration

Alcohol; NR2B subunit; Protein; Up-regulation (Henniger, M.S.H. (470) 33)

Sex

Flumazenil; Morphine; Tolerance; Analgesia; (Rat) (Holtman Jr., J.R. (470) 149)

Skeletal muscle

LASSBio 294 (L-294); Contractility; Ca²⁺; Sarcoplasmic reticulum (Zapata-Sudo, G. (470) 79)

Smooth muscle

β-Adrenoceptor; cAMP; Protein kinase A; Urinary bladder; Ca²⁺ channel L-type (Kobayashi, H. (470) 9)

Nantenine; Aporphine; Ca²⁺ entry blocker; Fura-2; Vas deferens, rat (Ribeiro, R.d.A. (470) 37)

cAMP; (Bovine); Lidocaine; Anaesthetic, local (Yunoki, M. (470) 65)

Smooth muscle, Tracheal

cAMP; Phosphodiesterase type 4; Relaxation (Moriuchi, H. (470) 57)

Spinal cord

Nicotinic acetylcholine receptor; Epibatidine; Radioligand; Analgesia (Nishiyama, T. (470) 27)

Spontaneously hypertensive, rat

Histamine; Pulmonary artery; Nitric oxide (NO); (Wistar–Kyoto rat) (Lau, W.H. (470) 45)

Stomach, rat

8-Iso-prostaglandin E₂; 8-Iso-prostaglandin F_{2α}; Prostanoid EP₃ receptor; TP receptor; Noradrenaline release; Pertussis toxin (Nakamura, K. (470) 73)

Thearubigin

Inflammatory bowel disease; Black tea; Colitis; Cytokine; Nitric oxide (NO) synthase, inducible; NF-κB (nuclear factor kappa B) (Maity, S. (470) 103)

Tolerance

Flumazenil; Morphine; Sex; Analgesia; (Rat) (Holtman Jr., J.R. (470) 149)

TP receptor

8-Iso-prostaglandin E₂; 8-Iso-prostaglandin F_{2α}; Prostanoid EP₃ receptor; Noradrenaline release; Stomach, rat; Pertussis toxin (Nakamura, K. (470) 73)

Trachea

Norbormide; (Rat); Urinary bladder; Duodenum; Ca²⁺ channel L-type (Bova, S. (470) 185)

Trachea, guinea pig

Cetirizine; Histamine H₁ receptor antagonism; Receptor reserve; Dissociation kinetic; Ileum, guinea pig (Christophe, B. (470) 87)

Up-regulation

Alcohol; Self-administration; NR2B subunit; Protein (Henniger, M.S.H. (470) 33)

Urinary bladder

β-Adrenoceptor; cAMP; Protein kinase A; Smooth muscle; Ca²⁺ channel L-type (Kobayashi, H. (470) 9)

Endothelin ET_A receptor; Endothelin ET_B receptor; Receptor autoradiography (Yoshida, A. (470) 99)

Norbormide; (Rat); Trachea; Duodenum; Ca²⁺ channel L-type (Bova, S. (470) 185)

Vas deferens, rat

Nantenine; Aporphine; Ca²⁺ entry blocker; Fura-2; Smooth muscle (Ribeiro, R.d.A. (470) 37)

Venous tone

Apelin; Arterial pressure, mean; Circulatory filling pressure, mean; Capacitance vessel; Ganglionic blockade (Cheng, X. (470) 171)

Voltage clamp

ATP receptor; Oocyte; Antagonist; Whole cell; NF449 (4,4',4'',4'''-(carbonylbis(imino-5,1,3-benzenetriylbis(carbonylimino)))tetrakis-benzene-1,3-disulfonic acid) (Hülsmann, M. (470) 1)

Whole cell

ATP receptor; Oocyte; Antagonist; Voltage clamp; NF449 (4,4',4'',4'''-(carbonylbis(imino-5,1,3-benzenetriylbis(carbonylimino)))tetrakis-benzene-1,3-disulfonic acid) (Hülsmann, M. (470) 1)

(Wistar–Kyoto rat)

Histamine; Pulmonary artery; Nitric oxide (NO); Spontaneously hypertensive, rat (Lau, W.H. (470) 45)