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Acetylcholinesterase inhibitor

TAK-802; Urodynamics; (Guinea pig); Bladder (Nagabukuro, H. (494) 225)

Acidosis

Vascular reactivity; (Rat); Portal vein; Hyperthermia; Norepinephrine; Angiotensin (Pastor, C.M. (494) 191)

Adult respiratory distress syndrome

Intestinal ischemia/reperfusion; Lung inflammation; Neutrophil accumulation; Vascular permeability; NO(Nitric oxide) (Cavriani, G. (494) 241)

Akt

Aniracetam; Astrocyte; Ischemia; Apoptosis; Erk1/2 (Gabryel, B. (494) 111)

AMPA receptor antagonist

Epilepsy; Anticonvulsant; Kindling; YM928 (Yamashita, H. (494) 147)

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Shiraiachrome A; Arthritis; Receptor tyrosine kinase (Tong, Y. (494) 101)

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Astrocyte; Ischemia; Apoptosis; Erk1/2; Akt (Gabryel, B. (494) 111)

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Epilepsy; Kindling; AMPA receptor antagonist; YM928 (Yamashita, H. (494) 147)

Anti-nociception

Colorectal distension; Visceral pain; 5-HT_{1A} receptor; Buspirone (Sivarao, D.V. (494) 23)

Anxiety

Physiology; Behavior; Animal model; Flesinoxan; 5-HT_{1A} receptor (Bouwknicht, J.A. (494) 45)

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Hypertension; Mesenteric vascular bed; Chelerythrine; Calphostin C (Fatehi-Hassanabad, Z. (494) 199)

Apoptosis

Aniracetam; Astrocyte; Ischemia; Erk1/2; Akt (Gabryel, B. (494) 111)

Arthritis

Shiraiachrome A; Angiogenesis inhibitor; Receptor tyrosine kinase (Tong, Y. (494) 101)

Astrocyte

Aniracetam; Ischemia; Apoptosis; Erk1/2; Akt (Gabryel, B. (494) 111)

Behavior

Physiology; Animal model; Flesinoxan; Repeated testing; 5-HT_{1A} receptor (Bouwknicht, J.A. (494) 35)

Physiology; Anxiety; Animal model; Flesinoxan; 5-HT_{1A} receptor (Bouwknicht, J.A. (494) 45)

Binding assay

Second-generation histamine H₁ receptor antagonists; Ketotifen; Sleep–wakefulness cycle; Rat (Shigemoto, Y. (494) 161)

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TAK-802; Acetylcholinesterase inhibitor; Urodynamics; (Guinea pig) (Nagabukuro, H. (494) 225)

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κ-opioid receptor; Potassium channel; Peripheral antinociception; Carra-geenan (Amarante, L.H. (494) 155)

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Growth factor; Rho-kinase (Gosens, R. (494) 73)

Buspirone

Colorectal distension; Visceral pain; Anti-nociception; 5-HT_{1A} receptor (Sivarao, D.V. (494) 23)

Calphostin C

Hypertension; Aorta; Mesenteric vascular bed; Chelerythrine (Fatehi-Hassanabad, Z. (494) 199)

Cannabinoid CB₁ receptor

Anandamide; Receptor binding assay; Glaucoma (Lograno, M.D. (494) 55)

Cannabinoid CB₁ receptor antagonist

SR 141716 (Rimonabant); Intestinal motility; Chronic treatment and tolerance development; Mouse (Carai, M.A.M. (494) 221)

Cardiac function

MonoHER; Reperfusion; Oxidative stress; Necrosis; Neutrophil (De Celle, T. (494) 205)

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Bremazocine; κ -opioid receptor; Potassium channel; Peripheral antinociception (Amarante, L.H. (494) 155)

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Cell proliferation

Opioid; Immune system; 4,5-Epoxy-morphinans; Structure–effect relationship (Hutchinson, M.R. (494) 251)

Chelerythrine

Hypertension; Aorta; Mesenteric vascular bed; Calphostin C (Fatehi-Hassanabad, Z. (494) 199)

Chlormethiazole

Methamphetamine; Drug-discrimination; (Rat) (Gasior, M. (494) 183)

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Endothelin-1; ET_B receptor; Renal mass reduction; Hypertension (Okada, Y. (494) 63)

Chronic treatment and tolerance development

Cannabinoid CB_1 receptor antagonist; SR 141716 (Rimonabant); Intestinal motility; Mouse (Carai, M.A.M. (494) 221)

Cloning

5-HT_{5A} Receptor; Guinea pig; Transient expression (Thomas, D.R. (494) 91)

Colorectal distension

Visceral pain; Anti-nociception; 5-HT_{1A} receptor; Buspirone (Sivarao, D.V. (494) 23)

Contralateral treatment

Neuropathic pain; κ -Opioid receptor agonist; U-50,488H; Opioid receptor; (Rat) (Bileviciute-Ljungar, I. (494) 139)

Cysteine

Prostacyclin; Prostanoid IP receptor; G-protein-coupled receptor; Dimerization; Oligomerization (Giguère, V. (494) 11)

***db/db*, mouse**

FK614; Nonthiazolidinedione; Insulin sensitizer; *ob/ob*, mouse; Peroxisome proliferator-activated receptor (PPAR) γ (Minoura, H. (494) 273)

Delta opioid receptor

Mu opioid receptor; Kappa opioid receptor; Inverse agonist (Emmerson, P.J. (494) 121)

Dependence

Miltirone; GABA_A receptor; Ethanol withdrawal (Mostallino, M.C. (494) 83)

Diabetes

Glucagon like peptide 1; Dipeptidyl peptidase IV; Transgenic animal model (Rolin, B. (494) 283)

3,4-Dihydroxyphenylacetic acid

Nucleus accumbens; Homovanillic acid; Ventral tegmental area (Yang, S.-C. (494) 179)

Dimerization

Prostacyclin; Prostanoid IP receptor; G-protein-coupled receptor; Oligomerization; Cysteine (Giguère, V. (494) 11)

Dipeptidyl peptidase IV

Glucagon like peptide 1; Transgenic animal model; Diabetes (Rolin, B. (494) 283)

Dopamine

Nicotine; Epibatidine; Caudate–putamen; Nucleus accumbens; In vivo microdialysis (Janhunen, S. (494) 167)

Dopamine autoreceptor

Nicotine; Dopamine release; Ventral tegmental area; Nucleus accumbens; In vivo microdialysis (Rahman, S. (494) 31)

Dopamine release

Nicotine; Dopamine autoreceptor; Ventral tegmental area; Nucleus accumbens; In vivo microdialysis (Rahman, S. (494) 31)

Drug-discrimination

Chlormethiazole; Methamphetamine; (Rat) (Gasior, M. (494) 183)

Endothelin-1

ET_B receptor; Chronic renal failure; Renal mass reduction; Hypertension (Okada, Y. (494) 63)

Epibatidine

Nicotine; Dopamine; Caudate–putamen; Nucleus accumbens; In vivo microdialysis (Janhunen, S. (494) 167)

Epilepsy

Anticonvulsant; Kindling; AMPA receptor antagonist; YM928 (Yamashita, H. (494) 147)

4,5-Epoxy-morphinans

Opioid; Immune system; Cell proliferation; Structure–effect relationship (Hutchinson, M.R. (494) 251)

Erdosteine

Bleomycin; Lung fibrosis; Myeloperoxidase; Hydroxyproline (Sogut, S. (494) 213)

Erk1/2

Aniracetam; Astrocyte; Ischemia; Apoptosis; Akt (Gabryel, B. (494) 111)

 ET_B receptor

Endothelin-1; Chronic renal failure; Renal mass reduction; Hypertension (Okada, Y. (494) 63)

Ethanol withdrawal

Miltirone; GABA_A receptor; Dependence (Mostallino, M.C. (494) 83)

FK614

Nonthiazolidinedione; Insulin sensitizer; *db/db*, mouse; *ob/ob*, mouse; Peroxisome proliferator-activated receptor (PPAR) γ (Minoura, H. (494) 273)

Flesinoxan

Physiology; Behavior; Animal model; Repeated testing; 5-HT_{1A} receptor (Bouwknicht, J.A. (494) 35)

Physiology; Behavior; Anxiety; Animal model; 5-HT_{1A} receptor (Bouwknicht, J.A. (494) 45)

GABA_A receptor

Miltirone; Ethanol withdrawal; Dependence (Mostallino, M.C. (494) 83)

Noncompetitive; Ginkgolide; Picrotoxinin; Two-electrode voltage clamp; *Xenopus* oocyte (Huang, S.H. (494) 131)

Ginkgolide

GABA_A receptor; Noncompetitive; Picrotoxinin; Two-electrode voltage clamp; *Xenopus* oocyte (Huang, S.H. (494) 131)

Glaucoma

Cannabinoid CB₁ receptor; Anandamide; Receptor binding assay (Lograno, M.D. (494) 55)

Glucagon like peptide 1

Dipeptidyl peptidase IV; Transgenic animal model; Diabetes (Rolin, B. (494) 283)

G-protein-coupled receptor

Prostacyclin; Prostanoid IP receptor; Dimerization; Oligomerization; Cysteine (Giguère, V. (494) 11)

Growth factor

Bronchial smooth muscle; Rho-kinase (Gosens, R. (494) 73)

Guinea pig

5-HT_{5A} Receptor; Cloning; Transient expression (Thomas, D.R. (494) 91)

TAK-802; Acetylcholinesterase inhibitor; Urodynamics; Bladder (Nagabukuro, H. (494) 225)

Homovanillic acid

Nucleus accumbens; 3,4-Dihydroxyphenylacetic acid; Ventral tegmental area (Yang, S.-C. (494) 179)

5-HT_{1A} receptor

Colorectal distension; Visceral pain; Anti-nociception; Buspirone (Sivarao, D.V. (494) 23)

Physiology; Behavior; Animal model; Flesinoxan; Repeated testing (Bouwknicht, J.A. (494) 35)

Physiology; Behavior; Anxiety; Animal model; Flesinoxan (Bouwknicht, J.A. (494) 45)

Guinea pig; Cloning; Transient expression (Thomas, D.R. (494) 91)

(Human)

Tachykinins; Tachykinin receptors; mRNA expression; Peripheral airways (Pinto, F.M. (494) 233)

Hydroxyproline

Erdosteine; Bleomycin; Lung fibrosis; Myeloperoxidase (Sogut, S. (494) 213)

Hypertension

Endothelin-1; ET_B receptor; Chronic renal failure; Renal mass reduction (Okada, Y. (494) 63)

Aorta; Mesenteric vascular bed; Chelerythrine; Calphostin C (Fatehi-Hassanabad, Z. (494) 199)

Hyperthermia

Vascular reactivity; (Rat); Portal vein; Acidosis; Norepinephrine; Angiotensin (Pastor, C.M. (494) 191)

Immune system

Opioid; 4,5-Epoxy-morphinans; Cell proliferation; Structure–effect relationship (Hutchinson, M.R. (494) 251)

Inflammatory bowel disease

TNBS; Tumour necrosis factor-α; Interferon-γ; Interleukin-10; Myeloperoxidase (Stasi, M.A. (494) 263)

iNOS

Triptolide; NO (Nitric oxide); NF-κB; JNK (Kim, Y.-H. (494) 1)

Insulin sensitizer

FK614; Nonthiazolidinedione; *db/db*, mouse; *ob/ob*, mouse; Peroxisome proliferator-activated receptor (PPAR)γ (Minoura, H. (494) 273)

Interferon-γ

Inflammatory bowel disease; TNBS; Tumour necrosis factor-α; Interleukin-10; Myeloperoxidase (Stasi, M.A. (494) 263)

Interleukin-10

Inflammatory bowel disease; TNBS; Tumour necrosis factor-α; Interferon-γ; Myeloperoxidase (Stasi, M.A. (494) 263)

Intestinal ischemia/reperfusion

Lung inflammation; Neutrophil accumulation; Adult respiratory distress syndrome; Vascular permeability; NO(Nitric oxide) (Cavriani, G. (494) 241)

Intestinal motility

Cannabinoid CB₁ receptor antagonist; SR 141716 (Rimonabant); Chronic treatment and tolerance development; Mouse (Carai, M.A.M. (494) 221)

Inverse agonist

Delta opioid receptor; Mu opioid receptor; Kappa opioid receptor (Emmerson, P.J. (494) 121)

In vivo microdialysis

Nicotine; Dopamine release; Dopamine autoreceptor; Ventral tegmental area; Nucleus accumbens (Rahman, S. (494) 31)

Nicotine; Epibatidine; Dopamine; Caudate–putamen; Nucleus accumbens (Janhunen, S. (494) 167)

Ischemia

Aniracetam; Astrocyte; Apoptosis; Erk1/2; Akt (Gabryel, B. (494) 111)

JNK

Triptolide; NO (Nitric oxide); iNOS; NF-κB (Kim, Y.-H. (494) 1)

Kappa opioid receptor

Delta opioid receptor; Mu opioid receptor; Inverse agonist (Emmerson, P.J. (494) 121)

Ketotifen

Second-generation histamine H₁ receptor antagonists; Sleep–wakefulness cycle; Binding assay; Rat (Shigemoto, Y. (494) 161)

Kindling

Epilepsy; Anticonvulsant; AMPA receptor antagonist; YM928 (Yamashita, H. (494) 147)

Lung fibrosis

Erdosteine; Bleomycin; Myeloperoxidase; Hydroxyproline (Sogut, S. (494) 213)

Lung inflammation

Intestinal ischemia/reperfusion; Neutrophil accumulation; Adult respiratory distress syndrome; Vascular permeability; NO(Nitric oxide) (Cavriani, G. (494) 241)

Mesenteric vascular bed

Hypertension; Aorta; Chelerythrine; Calphostin C (Fatehi-Hassanabad, Z. (494) 199)

Methamphetamine

Chlormethiazole; Drug-discrimination; (Rat) (Gasior, M. (494) 183)

Miltirone

GABA_A receptor; Ethanol withdrawal; Dependence (Mostallino, M.C. (494) 83)

MonoHER

Reperfusion; Oxidative stress; Necrosis; Neutrophil; Cardiac function (De Celle, T. (494) 205)

Mouse

Cannabinoid CB₁ receptor antagonist; SR 141716 (Rimonabant); Intestinal motility; Chronic treatment and tolerance development (Carai, M.A.M. (494) 221)

mRNA expression

Tachykinins; Tachykinin receptors; Peripheral airways; (Human) (Pinto, F.M. (494) 233)

Mu opioid receptor

Delta opioid receptor; Kappa opioid receptor; Inverse agonist (Emmerson, P.J. (494) 121)

Myeloperoxidase

Erdosteine; Bleomycin; Lung fibrosis; Hydroxyproline (Sogut, S. (494) 213)

Inflammatory bowel disease; TNBS; Tumour necrosis factor- α ; Interferon- γ ; Interleukin-10 (Stasi, M.A. (494) 263)

Necrosis

MonoHER; Reperfusion; Oxidative stress; Neutrophil; Cardiac function (De Celle, T. (494) 205)

Neuropathic pain

Contralateral treatment; κ -Opioid receptor agonist; U-50,488H; Opioid receptor; (Rat) (Bileviciute-Ljungar, I. (494) 139)

Neutrophil

MonoHER; Reperfusion; Oxidative stress; Necrosis; Cardiac function (De Celle, T. (494) 205)

Neutrophil accumulation

Intestinal ischemia/reperfusion; Lung inflammation; Adult respiratory distress syndrome; Vascular permeability; NO(Nitric oxide) (Cavriani, G. (494) 241)

NF- κ B

Triptolide; NO (Nitric oxide); iNOS; JNK (Kim, Y.-H. (494) 1)

Nicotine

Dopamine release; Dopamine autoreceptor; Ventral tegmental area; Nucleus accumbens; In vivo microdialysis (Rahman, S. (494) 31)

Epibatidine; Dopamine; Caudate–putamen; Nucleus accumbens; In vivo microdialysis (Janhunen, S. (494) 167)

Noncompetitive

GABA_A receptor; Ginkgolide; Picrotoxinin; Two-electrode voltage clamp; *Xenopus* oocyte (Huang, S.H. (494) 131)

NO (Nitric oxide)

Triptolide; iNOS; NF- κ B; JNK (Kim, Y.-H. (494) 1)

NO(Nitric oxide)

Intestinal ischemia/reperfusion; Lung inflammation; Neutrophil accumulation; Adult respiratory distress syndrome; Vascular permeability (Cavriani, G. (494) 241)

Nonthiazolidinedione

FK614; Insulin sensitizer; *db/db*, mouse; *ob/ob*, mouse; Peroxisome proliferator-activated receptor (PPAR) γ (Minoura, H. (494) 273)

Norepinephrine

Vascular reactivity; (Rat); Portal vein; Hyperthermia; Acidosis; Angiotensin (Pastor, C.M. (494) 191)

Nucleus accumbens

3,4-Dihydroxyphenylacetic acid; Homovanillic acid; Ventral tegmental area (Yang, S.-C. (494) 179)

Nucleus accumbens

Nicotine; Dopamine release; Dopamine autoreceptor; Ventral tegmental area; In vivo microdialysis (Rahman, S. (494) 31)

Nicotine; Epibatidine; Dopamine; Caudate–putamen; In vivo microdialysis (Janhunen, S. (494) 167)

***ob/ob*, mouse**

FK614; Nonthiazolidinedione; Insulin sensitizer; *db/db*, mouse; Peroxisome proliferator-activated receptor (PPAR) γ (Minoura, H. (494) 273)

Oligomerization

Prostacyclin; Prostanoid IP receptor; G-protein-coupled receptor; Dimerization; Cysteine (Giguère, V. (494) 11)

Opioid

Immune system; 4,5-Epoxymorphinans; Cell proliferation; Structure–effect relationship (Hutchinson, M.R. (494) 251)

Opioid receptor

Neuropathic pain; Contralateral treatment; κ -Opioid receptor agonist; U-50,488H; (Rat) (Bileviciute-Ljungar, I. (494) 139)

Bremazocine; Potassium channel; Peripheral antinociception; Carrageenan (Amarante, L.H. (494) 155)

 κ -Opioid receptor agonist

Neuropathic pain; Contralateral treatment; U-50,488H; Opioid receptor; (Rat) (Bileviciute-Ljungar, I. (494) 139)

Oxidative stress

MonoHER; Reperfusion; Necrosis; Neutrophil; Cardiac function (De Celle, T. (494) 205)

Peripheral airways

Tachykinins; Tachykinin receptors; mRNA expression; (Human) (Pinto, F.M. (494) 233)

Peripheral antinociception

Bremazocine; κ -opioid receptor; Potassium channel; Carrageenan (Amarante, L.H. (494) 155)

Peroxisome proliferator-activated receptor (PPAR) γ

FK614; Nonthiazolidinedione; Insulin sensitizer; *db/db*, mouse; *ob/ob*, mouse (Minoura, H. (494) 273)

Physiology

Behavior; Animal model; Flesinoxan; Repeated testing; 5-HT_{1A} receptor (Bouwknicht, J.A. (494) 35)

Behavior; Anxiety; Animal model; Flesinoxan; 5-HT_{1A} receptor (Bouwknicht, J.A. (494) 45)

Picrotoxinin

GABA_A receptor; Noncompetitive; Ginkgolide; Two-electrode voltage clamp; *Xenopus* oocyte (Huang, S.H. (494) 131)

Portal vein

Vascular reactivity; (Rat); Hyperthermia; Acidosis; Norepinephrine; Angiotensin (Pastor, C.M. (494) 191)

Potassium channel

Bremazocine; κ -opioid receptor; Peripheral antinociception; Carrageenan (Amarante, L.H. (494) 155)

Prostacyclin

Prostanoid IP receptor; G-protein-coupled receptor; Dimerization; Oligomerization; Cysteine (Giguère, V. (494) 11)

Prostanoid IP receptor

Prostacyclin; G-protein-coupled receptor; Dimerization; Oligomerization; Cysteine (Giguère, V. (494) 11)

(Rat)

Neuropathic pain; Contralateral treatment; κ -Opioid receptor agonist; U-50,488H; Opioid receptor (Bileviciute-Ljungar, I. (494) 139)

Second-generation histamine H₁ receptor antagonists; Ketotifen; Sleep–wakefulness cycle; Binding assay (Shigemoto, Y. (494) 161)

Chlormethiazole; Methamphetamine; Drug-discrimination (Gasior, M. (494) 183)

Vascular reactivity; Portal vein; Hyperthermia; Acidosis; Norepinephrine; Angiotensin (Pastor, C.M. (494) 191)

Receptor binding assay

Cannabinoid CB₁ receptor; Anandamide; Glaucoma (Lograno, M.D. (494) 55)

Receptor tyrosine kinase

Shiraiachrome A; Angiogenesis inhibitor; Arthritis (Tong, Y. (494) 101)

Renal mass reduction

Endothelin-1; ET_B receptor; Chronic renal failure; Hypertension (Okada, Y. (494) 63)

Repeated testing

Physiology; Behavior; Animal model; Flesinoxan; 5-HT_{1A} receptor (Bouwknicht, J.A. (494) 35)

Reperfusion

MonoHER; Oxidative stress; Necrosis; Neutrophil; Cardiac function (De Celle, T. (494) 205)

Rho-kinase

Growth factor; Bronchial smooth muscle (Gosens, R. (494) 73)

Second-generation histamine H₁ receptor antagonists

Ketotifen; Sleep–wakefulness cycle; Binding assay; Rat (Shigemoto, Y. (494) 161)

Shiraiachrome A

Angiogenesis inhibitor; Arthritis; Receptor tyrosine kinase (Tong, Y. (494) 101)

Sleep–wakefulness cycle

Second-generation histamine H₁ receptor antagonists; Ketotifen; Binding assay; Rat (Shigemoto, Y. (494) 161)

SR 141716 (Rimonabant)

Cannabinoid CB₁ receptor antagonist; Intestinal motility; Chronic treatment and tolerance development; Mouse (Carai, M.A.M. (494) 221)

Structure–effect relationship

Opioid; Immune system; 4,5-Epoxy-morphinans; Cell proliferation (Hutchinson, M.R. (494) 251)

Tachykinin receptors

Tachykinins; mRNA expression; Peripheral airways; (Human) (Pinto, F.M. (494) 233)

Tachykinins

Tachykinin receptors; mRNA expression; Peripheral airways; (Human) (Pinto, F.M. (494) 233)

TAK-802

Acetylcholinesterase inhibitor; Urodynamics; (Guinea pig); Bladder (Nagabukuro, H. (494) 225)

TNBS

Inflammatory bowel disease; Tumour necrosis factor- α ; Interferon- γ ; Interleukin-10; Myeloperoxidase (Stasi, M.A. (494) 263)

Transgenic animal model

Glucagon like peptide 1; Dipeptidyl peptidase IV; Diabetes (Rolin, B. (494) 283)

Transient expression

5-HT_{5A} Receptor; Guinea pig; Cloning (Thomas, D.R. (494) 91)

Triptolide

NO (Nitric oxide); iNOS; NF- κ B; JNK (Kim, Y.-H. (494) 1)

Tumour necrosis factor- α

Inflammatory bowel disease; TNBS; Interferon- γ ; Interleukin-10; Myeloperoxidase (Stasi, M.A. (494) 263)

Two-electrode voltage clamp

GABA_A receptor; Noncompetitive; Ginkgolide; Picrotoxinin; *Xenopus* oocyte (Huang, S.H. (494) 131)

U-50,488H

Neuropathic pain; Contralateral treatment; κ -Opioid receptor agonist; Opioid receptor; (Rat) (Bileviciute-Ljungar, I. (494) 139)

Urodynamics

TAK-802; Acetylcholinesterase inhibitor; (Guinea pig); Bladder (Nagabukuro, H. (494) 225)

Vascular permeability

Intestinal ischemia/reperfusion; Lung inflammation; Neutrophil accumulation; Adult respiratory distress syndrome; NO(Nitric oxide) (Cavriani, G. (494) 241)

Vascular reactivity

(Rat); Portal vein; Hyperthermia; Acidosis; Norepinephrine; Angiotensin (Pastor, C.M. (494) 191)

Ventral tegmental area

Nicotine; Dopamine release; Dopamine autoreceptor; Nucleus accumbens; In vivo microdialysis (Rahman, S. (494) 31)

Nucleus accumbens; 3,4-Dihydroxyphenylacetic acid; Homovanillic acid (Yang, S.-C. (494) 179)

Visceral pain

Colorectal distension; Anti-nociception; 5-HT_{1A} receptor; Buspirone (Sivarao, D.V. (494) 23)

***Xenopus* oocyte**

GABA_A receptor; Noncompetitive; Ginkgolide; Picrotoxinin; Two-electrode voltage clamp (Huang, S.H. (494) 131)

YM928

Epilepsy; Anticonvulsant; Kindling; AMPA receptor antagonist (Yamashita, H. (494) 147)