

VOLUME 75, 2003 KEYWORD INDEX

- Acetone, 199
Acetylcholinesterase, 645, 661
Acetylcholinesterase inhibitors, 513
Acoustic startle response, 163
Activate, 749
Activity, 17
Activity cage, 381
Acute effects, 669
Acute withdrawal, 411
Addiction, 607
Adjuvant, 181
Adolescence, 163, 411
Adolescent, 355
Adrenal gland, 823
 β -Adrenoceptors, 81
Aging, 147, 921
Alcohol, 481, 881
Alcohol intake, 593
Alcohol-nonpreferring (NP) rats, 163
Alcohol-preferring (P) rats, 163
Alcohol-preferring rats, 89, 593
Alcohol-seeking behavior, 89
Alcohol withdrawal, 619
Allopregnanolone, 397
Allopregnanolone ($3\alpha,5\alpha$ -tetrahydroprogesterone), 831
Alprazolam, 75
Alzheimer's dementia, 381
Alzheimer's disease, 513, 651, 675
Aminotransferases, 823
Amphetamine, 191
Analgesia, 909
Anesthetics, 435
Antagonism, 661
Antagonist, 909
Anticholinesterase, 651
Antidepressant, 247, 405, 557
Antiepileptic drugs, 319
Antihypertensive agents, 265
Anti-inflammatories, 513
Anti-inflammatory, 651
Antinociception, 115, 447, 459, 763
Antinociceptive, 261
Antioxidant, 651
Antioxidants, 513
Antipsychotic, 133
Antipsychotic drugs, 255
Antistress adaptogenic activity, 547
Anxiety, 355, 411, 529, 711, 741, 763, 869
Anxiety-like behavior, 619
Anxiogenic, 741
Anxiolysis, 537
Anxiolytic, 903
Anxiolytic effects, 89
Anxiolytic-like effects of androgens, 473
Apis mellifera, 217
Apocynum venetum, 557
Apomorphine, 191, 565
Appetitive conditioning, 89
Approach avoidance, 861
Apyrase, 467
L-arginine, 329
Associative learning, 141
Attention, 687, 711, 721, 915
Attention deficit hyperactivity disorder, 209
Autoreceptor, 769
Aversive conditioning, 89
Ayahuasca, 501
Baboons, 435
Bacopa monniera, 823
Banisteriopsis caapi, 627
Behavior, 123, 795, 861
Behavioral sensitization, 49
Behaviour, 67, 565
Benzene, 199
Benzodiazepine, 75, 619
Benzodiazepine anxiolytic, 247
Benzodiazepine binding site, 537
Benzodiazepines, 435
Beta-funaltrexamine, 301
Binocular depth inversion, 789
Blood glucose, 915
Blood serum, 467
Body temperature, 881
Body weight, 341
BP897, 363
Brain damage, 795
Brain damage recovery, 381
Brain stimulation reward, 199
Caffeine, 921
Calcineurin, 749
Cannabinoid, 565, 763
Cannabinoid agonist, 809
Cannabinoid antagonist, 809
Cannabinoid CB₁ receptor, 777
Cannabinoids, 577, 585
Cannabis, 789
Capillary electrophoresis, 35
Capsaicin, 115
Capsazepine, 115
Captopril, 265
Caudate putamen, 123
Caudate–putamen, 895
C57BL/6J mice, 273
CD26, 869
Cephalopod, 141
Cerebral blood velocity, 309
Chlordiazepoxide, 435
Chloride uptake, 619
8-Chlorotheophylline, 173
Choice reaction time test, 915
Cholinergic, 669
Cholinergic system, 217
Cholinesterase, 675
Choto-san, 635
Chronic stress, 419
Chronic unpredictable footshock stress, 547
Chronopharmacology, 881
Circadian rhythm, 881
Clearance of charcoal particles, 749
Clitoria ternatea, 529
Clozapine, 895
CNS, 537
CNS-depressant, 261
CNS plants, 501
Cocaine, 49, 123, 273, 301, 801, 837

- Cognition, 687, 755
 Cognitive behavior, 529
 Cognitive deficits, 645
 Cognitive enhancer, 675
 Cognitive function, 921
 Cognitive functions, 381
 Cognitive impairment, 35, 789
 Coloboma, 209
 Conditioned drug effects, 273
 Conditioned fear stress, 903
 Conditioned lick suppression, 281
 Conditioned place preference, 173, 289, 295
 Conditioning, 9
 Conflict behavior, 397, 481
 Contextual fear, 491
 Convulsions, 329, 529
 cotinine, 1
 CP 93, 129, 147
 Creatine kinase, 823
 Cuttlefish, 141
 Cyclohexane, 199
 Cycloheximide, 141

 Daidzin, 593
 Dehydration, 341
 Delayed-type hypersensitivity, 749
 Dementia, 513
 Dependence, 349
 Depression, 419, 529, 769
 Descending serotonergic system, 447
 Desensitization, 115
 Desipramine, 247
 Developmental, 295
 Diabetes, 247, 255
 Diazepam, 247, 473
 Differential effects of benzodiazepines, 473
 5,7-Dihydroxytryptamine, 381
 Dimenhydrinate, 173
 Dipeptidyl-peptidase IV, 869
 Diphenhydramine, 173
 Diuresis, 235
 2-DM-DOM, 845
 5-DM-DOM, 845
 DOI, 191
 [–]-DOM, 405
 (–)-DOM, 845
 DOM metabolites, 845
 DOPAC, 777
 Dopamine, 191, 209, 419, 557, 577, 607, 777, 895
 Dopamine agonist, 363
 Dopamine antagonist, 363
 Dopamine D₃ receptor, 373
 Dopamine D₁ receptor binding, 123
 Dopamine receptors, 289, 565
 Dopamine release, 627
 Dorsal diencephalic conduction system, 607
 dPAG, 25
 Dramamine, 173
 Drinking, 373
 Drug discrimination, 427, 435, 837
 Drug-induced stimulus control, 405
 Drug interaction, 75
 Drug interactions, 319
 Drug self-administration, 607
 Drug sensitization, 103
 Drug tolerance, 103
 DSP-4, 209

 EEG, 701
 EFC, 749
 Eight-arm maze, 795
 Eight-arm radial maze, 335
 Electroencephalograph, 701
 Electroshock maximal, 319
 Elevated plus-maze, 741
 Elevated plus maze, 869
Ephedra spp., 501
 (–)Epicatechin, 635
 Epilepsy, 853
 Escitalopram, 903
 Essential oil, 651
 Ethanol, 89, 223, 411, 837
 Ethanol, conditioned place preference, 373
 Evaporative water loss, 341
 Evoked potentials, 701
 Excitatory conditioning theory of sensitisation, 273
 Exercise, 81
 Exploration, 861
 Exploratory activity, 355

 F344, 869
 Fear, 25, 89
 Feeding, 181
 Feeding motivation, 869
 Female, 181
 Fetal alcohol, 17
 Finasteride, 889
 FK506, 853
 Flavonoids, 537
 Flavor conditioning, 223
 Flavor–flavor learning, 55
 Flunitrazepam, 481
 Fluoxetine, 247
 Fluvoxamine, 247
 Food intake, 341, 869
 Forced swim, 769
 Forehead skin perfusion, 309
 Formalin test, 447
 Free radicals, 853
 Frontal cortex, 645
 Frontal function, 711
 Frontal lobe function, 721

 GABA, 481
 GABA-A, 397
 GABA(A) and 5-HT_{2C} receptors, 619
 GABA_A receptor, 481, 537, 837
 Gastric infusions, 223
 Geissoschizine methyl ether, 635
 Gender, 235
 Generalized absence epilepsy, 889
 Genetic, 17
 Ginkgo, 701
Ginkgo, 711
 Ginseng, 687, 701
 Glucose, 823
 Glucose transport, 255
 Graval, 173
 Guaraná, 501

 Habenulo-interpeduncular pathway, 607
 Haloperidol, 133, 895
 Hangover, 881
 Harmaline, 627
 Harmine, 627
 Head-twitch response, 777
 Heat exposure, 341
 Herbal medicine, 419
 Heroin, 75, 349
 Hesperidin, 537
 5-HIAA, 777
 Hippocampus, 645
 Histamine, 25
 Hole-board test, 741
 HPG axis, 481
 H₂ receptors, 25
 5-HT, 903
 5-HT_{1A}, 81
 5-HT_{2A/2C}, 81
 5HT₃ antagonists, 1
 5-HT_{2A} receptor, 777
 5-HT_{2A} receptors, 459
 Huperzine A, 675
 HVA, 777
 Hydralazine, 265
 Hyperactivity, 209
 Hyperglycemia, 255
 Hypnosis, 537
 Hypnotic, 261
 Hypoglycemia, 915

- Iboga, 501
Iboga alkaloids, 607
 Ibogaine, 593, 607
 Ibogaine analog, 593
 IC50 inhibition, 661
 IL-1 β , 181
 Imidazenil, 435
 Imidazoline I₂-site, 427
 Immobilization stress, 823
 Impulsivity, 481
 Indole alkaloid, 627
 Indole alkaloids, 635
 Inferior colliculus, 25
 Inhalants, 199
 Intact versus castrated males, 473
 Interval timing, 9
 Intracerebroventricular injections, 491
 Intraplantar injection, 115
 Intraseptal injections, 491
 In vivo, 427
 In vivo microdialysis, 607
 Isobolographic analysis, 319
 Isoflavones, 721
 Isradipine, 265, 801

Kava-kava, 501
 Ketanserin, 459
 Khat, 501
 Kindling, 853
 Kudzu, 593

 Lactation, 733
 Latent inhibition, 281
 Lateral septum, 397
l-12-Chloroscoulerine, 289
 Lead, 295
 Learning, 329, 585, 861
 Light–dark test, 741
 Lipids, 823
 Lithium, 341
 Lithium chloride, 35
 Locomotor activity, 173, 363
 Longitudinal, 921
 Long-term depression, 585
 Long-term memory, 141
 Long-term potentiation, 585
 LSD, 845

 M100907, 845
 Male, 181
 MAOI, 627
 Marapuama, 645
 Marijuana, 309
 Medicinal plants, 501
 Melatonin, 67
 Memory, 329, 669, 687, 711, 721, 861
 Menopause, 711, 721

 Mesocorticolimbic pathways, 607
 18-Methoxycoronaridine, 607
 6-Methylapigenin, 537
 Methylphenidate, 67
 Mice, 363, 373, 763
 Midazolam, 435, 491
 Midbrain tectum, 25
 Monkeys, 435
 Monoamine oxidase inhibition, 627
 Monoterpenoids, 651
 Mood, 687, 721
 Morphine, 289, 295, 349, 929
 Morphine self-administration, 577
 Motor activity, 67
 Mouse, 115, 447, 741
 Mouse mutant, 209
 Mouse strain differences, 123
 Mu opioid, 363

 Nabilone, 585
 NAC1, 49
 Naltrexone, 447, 459, 801
 L-NAME, 265, 329
 Natural product, 675
 NCAM, 861
 Nefazodone, 405
 Neonicotinoid, 217
 Neophobia, 491
 Neurochemical systems interaction, 381
 Neuroleptic, 9
 Neuropeptide Y, 869
 Neuroprotection, 853
 Neuroprotective, 675
 Neuropsychological testing, 915
 Neurotoxicity, 795
 Neurotrophins, 81
 N^G-Nitro-D-arginine methyl ester,
 D-NAME, 741
 N^G-Nitro-L-arginine methyl ester,
 L-NAME, 741
 Nicotine, 355
 Nicotine patch, 1
 Nicotine withdrawal, 1
 Nicotinic receptor agonist, 217
 α 3 β 4 Nicotinic receptors, 607
 Nitric oxide, 265, 741
 Nitric oxide synthase inhibitor, 741
 NO, 329
 Nonassociative learning, 217
 Noradrenergic, 103
 Norepinephrine, 209, 427, 557, 755
 Novelty seeking, 929
 NPI-031G, 619
 5'-Nucleotidase, 467
 Nucleotide hydrolysis, 467
 Nucleus accumbens, 123

 Obesity, 103
 Oestrogenic, 651
 Olanzapine, 133
 Olfactory tubercle, 123
 Ontogenesis, 929
 Open-field, 809
 Open field, 929
 Opiate, 75
 Opioid, 349, 763
 μ -Opioid receptor, 909
 Opioid receptor antagonist, 447
 Opioid receptors, 459
 Opioid-related processes, 577
 Opioids, 235, 801
 Oxotremorine, 147

 Paced auditory serial addition task, 915
 Panax, 687
Panax ginseng, 547
Panax quinquefolium, 823
 Parkinson's disease, 627
Passiflora, 501
 Passive avoidance training, 141
 Penile erection dysfunction, 265
 Pentobarbital, 435
 Perinatal exposure, 565
 Perinatal Δ^9 -THC exposure, 577
 Pharmacotherapy, 593
 Phencyclidine (PCP), 335
 Phenolic compounds, 635
 Physostigmine, 491
 Phytoestrogens, 721
 Picrotoxin, 733
 Pineal gland, 67
 Placebo response, 273
 Place conditioning, 929
 Place preference, 75
 Plant adaptogens, 501
 Plants, 513
 Plasma THC levels, 309
Poecilia latipinna, 35
 Polyuria, 341
 Postural syncope, 309
 Power, 701
 PPHT, 289
 Prefrontal cortex, 419
Premna tomentosa, 261
 Prepulse inhibition, 163, 191, 281
 Progesterone, 889
 Progressive ratio, 301
 Propofol, 435
 Protein synthesis inhibition, 141
 Psychosis, 755
Ptychopetalum olacoides, 645
 PTZ, 853
 Puerarin, 593

- Quinpirole, 565
- Raclopride, 55
- Ranitidine, 25
- Rat, 67, 281, 405, 411, 419, 427, 467, 481, 585, 733, 755, 837, 845
- Rats, 133, 199, 349, 491, 809
- R-citalopram, 903
- Reactivity, 163
- μ Receptor, 301
- β -receptor regulation, 557
- 5 α -reductase, 889
- Reference memory, 35
- Rehydration, 341
- Reinforcement, 75
- Release, 777
- Restraint, 769
- Reward, 75, 173
- Reward, reinforcement, 373
- Rhynchophylline, 635
- Ritalin, 67
- (R)-Methanandamide, 809
- Rotarod performance, 419
- Rotational behavior, 895
- R,S-citalopram, 903
- Ruthenium red, 115
- Saccharin, 223
- Saccharin, SCH23390, 55
- Sage, 669
- Saiko-ka-ryukotsu-borei-to*, 419
- Salvia, 661
- Salvia*, 669
- SCH23390, 289
- Schizophrenia, 191, 255, 281, 335
- Scratching, 777
- Sedation, 537, 869
- Seizures, 319
- Seizure susceptibility, 831
- Self-administration, 301, 349, 373
- Sensitization, 173
- Sensorimotor gating, 163
- Sepia officinalis*, 141
- Serotonergic, 103
- Serotonin, 191, 381, 419, 427, 557, 755, 777
- Sex, 265
- Sex differences, 235
- Sexual behavior temporal patterning, 265
- Shock-induced behavioral inhibition, 481
- SKF105111, 831
- S. lavandulaefolia*, 651
- Sleep, 881
- SNAP-25, 209
- Social interaction test, 619, 869
- Social isolation, 831
- Solvents, 199
- Spatial memory, 147
- Spike-wave discharges, 889
- Spinal cord, 909
- Spleen, 823
- SR-141716, 809
- SR 141716A, 777
- SR 46349B, 777
- SSRI, 247
- Startle, 191
- Step-down-type passive avoidance, 749
- St. John's wort, 593
- Strain, 191
- Stress, 467, 529, 769
- Striatum, 645
- Sucrose, 223
- Sweet taste, 55
- Synergism, 661
- Tail shock, 769
- Tail suspension test, 247
- Teratogen, 17
- Terpenes, 661
- Testosterone, 481
- Testosterone propionate, 473
- THC, 309
- Thirst, 341
- Thymus, 823
- Tiagabine, 319
- Time perception, 9
- Time production, 9
- Tolerability, 651
- Toluene, 199
- Tracking test, 915
- Trafficking proteins, 909
- Type I 5 α -reductase inhibitor, 831
- UK 14, 147, 304
- Uncaria sinensis*, 635
- Up-regulation, 909
- Urination, 235
- Urine output, 341
- Valeriana*, 501
- Valeriana, 537
- Vasopressin, 67
- Verbal reaction time, 915
- Vertical hole-board, 381
- VIPAG, 459
- Visual perception, 789
- Vomit, 777
- Vomiting, 777
- WAG/Rij rats, 889
- Water intake, 341
- Water maze, 147, 381, 585
- Water-maze, 861
- Weight gain, 133
- Withania somnifera*, 547
- Working memory, 35, 335
- Zolpidem, 435
- Zuclopenthixol, 755