

Contents 1998

No. 1, pp. 1–80

- Inverse agonists at the polyamine-sensitive modulatory site of the NMDA receptor: 50-fold increase in potency by insertion of an aromatic ring into an alkanediamine chain, 3
- Synthesis and biological activities of aldose reductase inhibitors bearing acyl benzenesulfonamides as carboxylic acid surrogates, 15
- Synthesis of 2-piperidinecarboxylic acid derivatives as potential anticonvulsants, 23
- Thienopyridinone antibacterials: synthesis and antibacterial activity of some 7-aryl-2-chloro-4,7-dihydro-4-oxothieno-[2,3-*b*]pyridine-5-carboxylic acids, 33
- Synthesis and antiproliferative activity of 3-substituted 1H-indole-[3,2-*d*]-1,2,3-triazin-4-(3H)-ones, 43
- Quantitative structure–activity relationship analysis of a series of *trans*-octahydro-11-oxodibenzo-[*b,e*]-thiepin propionic acid derivatives, 47
- Synthesis and antibacterial activity of new 4-alkoxy, 4-aminoalkyl and 4-alkylthioquinoline derivatives, 55
- Antimalarial activity and structure–activity relationships of protoberberine alkaloids, 65
- Synthesis and antineoplastic activity of combretastatin analogues: heterocombretastatins, 71

No. 2, pp. 81–160

- Carbonic anhydrase inhibitors – part 49: synthesis of substituted ureido and thioureido derivatives of aromatic/heterocyclic sulfonamides with increased affinities for isozyme I, 83
- Synthesis of 3- and 5'-substituted flavone-8-carboxylic acids as 'three-armed' leukotriene CysLT₁ receptor antagonists, 95
- Quantum mechanical and QSAR study of some α -arylpropionic acids as antiinflammatory agents, 103
- 1,2,3-Triazolo[1,5-*a*]quinoxalines: synthesis and binding to benzodiazepine and adenosine receptors, 113
- Cyclic amide derivatives as potential prodrugs: synthesis and evaluation of *N*-hydroxymethylphthalamide esters of some non-steroidal antiinflammatory carboxylic acid drugs, 123
- Synthesis of some novel oxime ether derivatives and their activity in the 'behavioral despair test', 133
- Synthesis and antidepressant evaluation of new 3-phenyl-5-sulfonamidoindole derivatives, 143
- Antimicrobial activity of novel *N*-quinolinyl and *N*-naphthylimino-1,2,3-dithiazoles, 149
- Synthesis of dibenzyl iminodiacetic derivatives as potential inhibitors of HIV-1 aspartyl protease, 155

No. 3, pp. 161–244

- Research on heterocyclic compounds – part 39: 2-methylimidazo[1,2-*a*]pyrimidine-3-carboxylic derivatives: synthesis and antiinflammatory activity, 163
- Modification of receptor selectivity and functional activity of cyclic cholecystokinin analogues, 171
- Imidazo[1,2-*c*]quinazolines with lipid peroxidation inhibitory effect, 181
- Synthesis and evaluation of analgesic, antiinflammatory and antiplatelet properties of new 2-pyridylhydrazone derivatives, 189
- 2-Oxo-2-(phen-2-ylpyrrol-2-yl)acetamides as potential anxiolytic agents: synthesis and affinity at the central benzodiazepine receptor, 201
- 10-Benzoyl-1,8-dihydroxy-9(10*H*)-anthracenones: synthesis and biological properties, 209
- IAM retention and blood brain barrier penetration, 215
- Synthesis and antinociceptive properties of new structurally planned imidazo[1,2-*a*]pyridine 3-acylarylhydrazone derivatives, 225
- Benzodiazepine receptor ligands – part 2: synthesis and biological evaluation of pyrazolo[5,1-*c*][1,2,4]benzotriazine 4-oxide, 237

No. 4, pp. 245–336

- Carbonic anhydrase inhibitors – part 52: metal complexes of heterocyclic sulfonamides: a new class of strong topical intraocular pressure-lowering agents in rabbits, 247
- Synthesis and biological activity of branched enkephalin analogues, 255
- Synthesis and diuretic activity of 2,3-dihydro-4(1*H*)-quinoline 4-oxime-*O*-sulfonic acid derivatives, 267
- 5(10→9)*A*beo-ergoline derivatives: synthesis, 5-HT_{1A}-receptor affinity and selectivity, 279
- Synthesis of new pyrrolo[1,2-*a*]quinoxalines: potential non-peptide glucagon receptor antagonists, 293
- Synthesis and biological activity of thiobasidalin, 309
- Synthesis and antiinflammatory activity of *N*-(aza)arylcarboxamides derived from Trolox®, 321
- Synthesis and biological activity of branched enkephalin analogues containing two amino acids in a side chain, 331

No. 5, pp. 337–420

- Synthesis and structure–activity relationships of novel 2-amino alkyl chromones and related derivatives as σ site-selective ligands, 339
- Nonsteroidal antiinflammatory agents – part 1: antiinflammatory, analgesic and antipyretic activity of some new 1-(pyrimidin-2-yl)-3-pyrazolin-5-ones and 2-(pyrimidin-2-yl)-1,2,4,5,6,7-hexahydro-3*H*-indazol-3-ones, 349
- Anxiolytic activity of analogues of 4-benzylamino-2-methyl-7*H*-pyrrolo[2,3-*d*]pyrimidines, 363
- Antimicrobial and antineoplastic activities of new 4-diazopyrazole derivatives, 375
- Synthesis of 1,8-naphthyridine derivatives: potential antihypertensive agents – part 7, 383
- Asymmetric *N*-(3,3-diphenylpropyl)aminoalkyl esters of 4-aryl-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylic acids with antihypertensive activity, 399

No. 6, pp. 421–512

- Synthesis and activity of HIV protease inhibitors, 423
- (–)-5-Methyl-8-hydroxy-(di-*n*-propylamino)tetralin: a new 5-HT_{1A} receptor antagonist, 437
- Short and unexpectedly potent 3-pyrrolidinone type inhibitors of HIV-1 replication, 445
- Evidence for new non-steroidal human aromatase inhibitors and comparison with equine aromatase inhibition for an understanding of the mammalian active site, 451
- Synthesis and olfactory activity of keto- β -santalol and methoxy- β -santalol, 463
- Design, syntheses and activity of new 3-[(sulfonylaryl)-amino]-1,4-benzodiazepin-2-one derivatives as α -thrombin inhibitors, 471
- Carbonic anhydrase inhibitors – part 47: Quantum chemical quantitative structure–activity relationships for a group of sulfanilamide Schiff base inhibitors of carbonic anhydrase, 489
- Adenosine receptors: synthesis, structure–activity relationships and biological activity of new 6-amino purine derivatives, 501

No. 7 & 8, pp. 513–672

- Hybridization properties of base-modified oligonucleotides within the double and triple helix motif, 515
- Carbonic anhydrase inhibitors – Part 53: synthesis of substituted-pyridinium derivatives of aromatic sulfonamides: the first non-polymeric membrane-impermeable inhibitors with selectivity for isozyme IV, 577
- Anticonvulsant activity of various aryl, arylidene and aryloxyaryl semicarbazones, 595
- Thiolysable prodrugs of 1,2-bis(methylsulfonyl)-1-(2-chloroethyl)hydrazine with antineoplastic activity, 609
- The use of molecular similarity indices in the determination of a bioactive conformation, 617
- A CoMFA investigation of sigma receptor binding affinity: reexamination of a spurious sigma ligand, 625
- 6-Amino-2,4-lutidine carboxamides: α -aminoamide derivatives as systemic and topical inflammation inhibitors, 635
- QSAR/QSTR of fluoroquinolones: an example of simultaneous analysis of multiple biological activities using neural network method, 647
- Autocorrelation modeling of lipophilicity with a back-propagation neural network, 659
- Synthesis and anticonvulsive activity of thiolosigamone, 665

No. 9, pp. 673–752

- Metronidazole twin ester prodrugs: synthesis, physicochemical properties, hydrolysis kinetics and antiulcer activity, 675
- Synthesis, DNA binding and in vitro antiproliferative activity of purinoquinazoline, pyridopyrimidopurine and pyridopyrimidobenzimidazole derivatives as potential antitumor agents, 685
- Synthesis and antibacterial activity of 7-hydrazinoquinolones, 697
- Simplified analogues of ritanserine and their affinity at 5-HT_{2A}, 5-HT_{2B} and 5-HT_{2C} serotonin receptors, 705
- Synthesis and biological evaluation of several coumarin-4-carboxamidoxime and 3-(coumarin-4-yl)-1,2,4-oxadiazole derivatives, 715
- Phenol-derived CVFM analog inhibitors of Ras Farnesyltransferase possessing cellular in vitro activity, 725
- De novo drug design of a new copper chelate molecule acting as HIV-1 protease inhibitor, 733
- Carbonic anhydrase inhibitors – Part 29: Interaction of isozymes I, II and IV with benzamide-like derivatives, 739

No. 10, pp. 753–836

- New biological properties of *tert*-butyl cephalosporanate sulfones, 755
- Synthesis and diuretic activity of 4,5-dihydro-6*H*-imidazo[4,5,1-*ij*]quinoline-6-one 6-oxime-*O*-sulfonic acid derivatives, 763
- ω -Substituted alkyl carboxylic acids as antidiabetic and lipid-lowering agents, 775
- Heterocyclic-fused 3(2*H*)-pyridazinones as potent and selective PDE IV inhibitors: further structure–activity relationships and molecular modelling studies, 789
- Quantitative estimation of hydrogen bond contribution to permeability and absorption processes of some chemicals and drugs, 799
- Synthesis of new cotelomers derived from tris(hydroxymethyl) aminomethane bearing arabinofuranosylcytosine moieties: preliminary results on their in vitro and in vivo antitumoral activities, 809
- Synthesis and cytotoxic evaluation of the first *trans*-palladium(II) complex with naturally occurring alkaloid harmine, 817
- The antifungal activity of sulfonylamido derivatives of 2-aminophenoxathiin and related compounds, 821
- Synthesis, immunomodulating effects and structure–activity relationships of new *N*-phenyl-5-amino-3-methylisoxazole-4-carboxamides, 831

No. 11, pp. 837–920

- Mesolimbic selective antipsychotic arylcarbamates, 839
- Synthesis and activity of a new series of chalcones as aldose reductase inhibitors, 859
- New structures able to prevent the inhibition by hydroxyl radicals of glutamate transport in cultured astrocytes, 867
- Synthesis and behavioral evaluation of a chemical brain-targeting system for a thyrotropin-releasing hormone analogue, 879
- Synthesis, antihistaminic and cytotoxic activity of pyridothieno- and pyridodithienotriazines, 887
- Dibenzo[1,6]naphthyridindiones as modified quinolone antibacterials, 899
- Synthesis and potential coanthracyclinic activity of pyridylmethylene and indolylmethylene lactams, 905
- Synthesis and α -adrenergic and I₁-imidazoline activity of 3-phenylpiperidines dimethyl-substituted on the phenyl ring, 911

No. 12, pp. 921–1004

- Phosphonolipids as non-viral vectors for gene therapy, 923
- Synthesis and pharmacology of the putative novel muscarinic agonist (*S*)-4-F-MePyMcN [(*S*)-4-(pyrrolidino)-1-methyl-2-butynyl-*N*-(4-fluorophenyl) carbamate oxalate], 935
- Imidazo[1,2-*a*]quinoxalin-4-amines: a novel class of nonxanthine A₁-adenosine receptor antagonists, 943
- Synthesis, biological activity and conformational study of 1,4-benzoxazine derivatives as potassium channel modulators, 957
- 10-Hydrocinnamoyl- and 10-cinnamoyl-1,8-dihydroxy-9(10*H*)-anthracenones as inhibitors of leukotriene B₄ biosynthesis and HaCaT cell growth, 969
- Synthesis, hypotensive and antiarrhythmic activities of 3-alkyl-1-(2-hydroxy-5,8-dimethoxy-1,2,3,4-tetrahydro-3-naphthalenyl)ureas or thioureas and their guanidine analogues, 975
- Synthesis, antiarrhythmic and hypotensive activity of some novel 1,3-disubstituted ureas and phenyl *N*-substituted carbamates, 985