

Subject Index of Volume 58

- A₁ and A_{2A} adenosine receptor ligands**
pyrimidin-8-on[2,1-f]theophylline-9-alkylcarboxylic acids amides as A₁ and A_{2A} adenosine receptor ligands, 439
- Ab initio prediction**
electrophoretic behavior of alprenolol in mixed solvent electrolyte systems, 1039
- Aceclofenac**
stability indicating methods for the determination of aceclofenac, 91
- Acetylcholinesterase**
design, synthesis and biological evaluation of ambenonium derivatives as AChE inhibitors, 917
- Acetylcholinesterase inhibitor**
design, synthesis and biological evaluation of ambenonium derivatives as AChE inhibitors, 917
- Acivicin**
synthesis and biological evaluation of new amino acids structurally related to the antitumor agent acivicin, 683
- ACTH**
preparation and properties of selected Zn(II)–peptide complexes in suspension, 1131
- Acyclovir**
simple high-performance liquid chromatographic method for the determination of acyclovir in pharmaceuticals, 1301
- Adenosine receptor binding**
characterization and preliminary use of 1-, 2- and 3-methyl-5-phenyl-7-chloro-1,2,3-triazolo[4,5-d]pyrimidine as reaction intermediates, 551
- Adenosine receptor ligands**
purine and deazapurine nucleosides: synthetic approaches, molecular modelling and biological activity, 193
- Adenosine receptor molecular modeling**
purine and deazapurine nucleosides: synthetic approaches, molecular modelling and biological activity, 193
- β-Adrenergic blocking activity**
synthesis, β-adrenergic blocking activity and β-receptor binding affinities of 1-substituted-3-(2-isopropyl-5-methyl-phenoxy)-propan-2-ol oxalates, 557
- β-Adrenergic receptor binding affinity**
synthesis, β-adrenergic blocking activity and β-receptor binding affinities of 1-substituted-3-(2-isopropyl-5-methyl-phenoxy)-propan-2-ol oxalates, 557
- α₁-Adrenoceptor antagonists**
searching for cyclazosin analogues as α_{1B}-adrenoceptor antagonists, 477
- α₁-Adrenoceptor subtypes**
searching for cyclazosin analogues as α_{1B}-adrenoceptor antagonists, 477
- Advanced colorectal cancer**
pharmacokinetic study of oxaliplatin iv chronomodulated infusion combined with 5-fluorouracil iv continuous infusion in the treatment of advanced colorectal cancer, 1333
- Affinity to μ-opioid receptors**
synthesis and pharmacological properties of *N,N*-dialkyl(di-alkenyl)amides of 7-methyl-3-phenyl-1-[2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl]-2,4-dioxo-1,2,3,4-tetrahydro-pyrido[2,3-*d*]pyrimidine-5-carboxylic acid, 25
- AIDS**
synthesis of styrylbenzofuran derivatives as styrylquinoline analogues for HIV-1 integrase inhibitor, 1243
- β-Alanine**
synthesis and activity of HCO–Met–Leu–Phe–OMe analogues containing β-alanine or taurine at the central position, 1121
- Albendazole**
two simple methods for the estimation of albendazole and its dosage forms using chloramine-T, 527
- Alkaline hydrolysis**
kinetic study of alkaline induced hydrolysis of the skeletal muscle relaxant chlorzoxazone using ratio spectra first derivative spectrophotometry, 337
- Alkaloids**
isolation and pharmacological activities of the Tecoma stans alkaloids, 781
- 4-Alkoxy-2,3-dihydro-6-methyl-1,3-dioxo-1*H*-pyrrolo[3,4-*c*]pyridine derivatives**
a validated spectrophotometric and liquid chromatography method for determination and purity evaluation of 4-methoxy-2-[2-hydroxy-3-(4-phenyl-1-piperazinyl)]propyl-2,3-dihydro-6-methyl-1,3-dioxo-1*H*-pyrrolo[3,4-*c*]pyridine, 513
- Alkylcarboxylic acids amides**
pyrimidin-8-on[2,1-f]theophylline-9-alkylcarboxylic acids amides as A₁ and A_{2A} adenosine receptor ligands, 439
- Alprenolol**
electrophoretic behavior of alprenolol in mixed solvent electrolyte systems, 1039
- Alzheimer's disease**
design, synthesis and biological evaluation of ambenonium derivatives as AChE inhibitors, 917
- Ambenonium analogues**
design, synthesis and biological evaluation of ambenonium derivatives as AChE inhibitors, 917
- Ambroxol hydrochloride**
determination of ambroxol hydrochloride in pure solutions and some of its pharmaceutical preparations under batch and FIA conditions, 581
- Amides**
synthesis and pharmacological properties of *N,N*-dialkyl(di-alkenyl)amides of 7-methyl-3-phenyl-1-[2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl]-2,4-dioxo-1,2,3,4-tetrahydro-pyrido[2,3-*d*]pyrimidine-5-carboxylic acid, 25
- Amidinobenzimidazolyl-furans**
synthesis and antitumor evaluation of some new substituted amidino-benzimidazolyl-furyl-phenyl-acrylates and naphtho[2,1-*b*]furan-carboxylates, 1319

- Amino acids**
 synthesis and biological evaluation of new amino acids structurally related to the antitumor agent acivicin, 683
- 2-Aminobenzimidazole**
 the role of HB-donor groups in the heterocyclic polar fragment of H₃-antagonists. I. Synthesis and biological assays, 891
- 7-Aminocephalosporanic acid**
 an alternative procedure for preparation of cefdinir, 409
 an improved method for preparation of cefpodoxime proxetil, 363
- 2-Amino-4-chlorophenol**
 kinetic study of alkaline induced hydrolysis of the skeletal muscle relaxant chlorzoxazone using ratio spectra first derivative spectrophotometry, 337
- 2-Aminochromones**
 pyran derivatives: Part XXI. Antiproliferative and cytotoxic properties of novel *N*-substituted 4-aminocoumarins, their benzo-fused derivatives, and some related 2-aminochromones, 1083
- 4-Aminocoumarins**
 pyran derivatives: Part XXI. Antiproliferative and cytotoxic properties of novel *N*-substituted 4-aminocoumarins, their benzo-fused derivatives, and some related 2-aminochromones, 1083
- Aminofuroxans**
 synthesis and vasodilating properties of *N*-alkylamide derivatives of 4-amino-3-furoxancarboxylic acid and related azo derivatives, 677
- Aminoimidazole isosters**
 synthesis and antimicrobial properties of 3-aryl-1-(1,1'-biphenyl-4-yl)-2-(1H-imidazol-1-yl)propanes as 'carba-analogues' of the *N*-arylmethyl-*N*-[(1,1'-biphenyl)-4-ylmethyl]-1H-imidazol-1-amines, a new class of antifungal agents, 563
- Aminomethylation**
 synthesis and anti-inflammatory activity of 5-(6-methyl-2-substituted 4-pyrimidinylloxymethyl)-1,3,4-oxadiazole-2-thiones and their 3-morpholinomethyl derivatives, 323
- 3-Aminophenol**
 3-aminophenol as a novel coupling agent for the spectrophotometric determination of sulfonamide derivatives, 1295
- Amlodipine**
 sensitive spectrophotometric determination of amlodipine and felodipine using iron(III) and ferricyanide, 141
- AMPA**
 binding modes of noncompetitive AMPA antagonists: a computational approach, 107
- Amperometric detection**
 flow injection amperometric determination of dipyrone in pharmaceutical formulations using a carbon paste electrode, 999
- Analgesic**
 synthesis of *N*-substituted-*N*-acylthioureas of 4-substituted piperazines endowed with local anaesthetic, antihyperlipidemic, antiproliferative activities and antiarrhythmic, analgesic, antiaggregating actions, 765
- Analgesic activity**
 2-aryl-3-phenylamino-4,5-dihydro-2h-benz[g]indazoles with analgesic activity, 845
- Analgesic agents**
 4-substituted 1,5-diarylpyrazole, analogues of celecoxib: synthesis and preliminary evaluation of biological properties, 795
- Angiotensin-AT₁ antagonist**
 determination of a novel angiotensin-AT₁ antagonist CR 3210 in biological samples by HPLC, 837
- Aniline**
 synthesis of aniline-type analogues of farnesyl diphosphate and their biological assays for prenyl protein transferase inhibitory activity, 1277
- Animal species**
 enzyme activities of tryptophan metabolism along the kynurenine pathway in various species of animals, 829
- Anionic polymer**
 propranolol hydrochloride-anionic polymer binding interaction, 1051
- Antagonists**
 2,4-dicarboxy-pyrroles as selective non-competitive mGluR1 antagonists: an exploration of the role of the pyrrolic scaffold, 1005
 synthesis and antagonistic activity at muscarinic receptor subtypes of some derivatives of diphenidol, 651
- Anti-amoebic**
 in vitro anti-acanthamoeba action by thioureidic derivatives, 819
- Antiarrhythmic**
 synthesis of *N*-substituted-*N*-acylthioureas of 4-substituted piperazines endowed with local anaesthetic, antihyperlipidemic, antiproliferative activities and antiarrhythmic, analgesic, antiaggregating actions, 765
- Antiarrhythmics**
 new substituted 2-(pyrazol-1-yl)-dialkylacetanilides with potential local anesthetic and antiarrhythmic action. Part II, 301
- Antibacterial**
 cynthichlorine: a bioactive alkaloid from the tunicate *Cynthia savignyi*, 1351
- Antibacterial activities**
 synthesis, antibacterial and antifungal activities of electron-rich olefins derived benzimidazole compounds, 431
- Antibacterial activity**
 synthesis and in vitro antibacterial activity of some *N*-(5-aryl-1,3,4-thiadiazole-2-yl)piperazinyl quinolone derivatives, 1023
 synthetic and antibacterial studies on some new furanopeptides, 569
- Anticancer activity**
 ceramide analogues in apoptosis: a new strategy for anticancer drug development, 205
 synthesis of 1-(6-chloro-1,1-dioxo-1,4,2-benzodithiazin-3-yl)semicarbazides and their transformation into 4-chloro-2-mercapto-*N*-(4,5-dihydro-5-oxo-4-phenyl-1*H*-1,2,4-triazol-3-yl)benzenesulfonamides as potential anticancer and anti-HIV agents, 423
- Anticancer agents**
 quinoxaline chemistry. Part 15. 4-[2-Quinoxalylmethyleneimino]-benzoylglutamates and -benzoates, 4-[2-quinoxalylmethyl-*N*-methylamino]-benzoylglutamates as analogues of classical antifolate agents. Synthesis, elucidation of structures and in vitro evaluation of antifolate and anticancer activities, 51
- Anticonvulsant activity**
 synthesis and anticonvulsant properties of new *N*-[(4-arylpiperazin-1-yl)-methyl] derivatives of 3-aryl pyrrolidine-2,5-dione and 2-aza-spiro[4.4]nonane-1,3-dione, 1227
- Antidepressant activity**
 neuropharmacological study of hetero[2,1]benzothiazepine derivatives analogues of tianeptine, 1
- Antifolate agents**
 quinoxaline chemistry. Part 15. 4-[2-Quinoxalylmethyleneimino]-benzoylglutamates and -benzoates, 4-[2-quinoxalylmethyl-*N*-methylamino]-benzoylglutamates as analogues of classical antifolate agents. Synthesis, elucidation of structures and in vitro evaluation of antifolate and anticancer activities, 51
- Antifungal**
 cynthichlorine: a bioactive alkaloid from the tunicate *Cynthia savignyi*, 1351
- Antifungal activities**
 synthesis, antibacterial and antifungal activities of electron-rich olefins derived benzimidazole compounds, 431

- Antifungal activity**
 synthesis and antifungal activity of (\pm)-1-(5-aryl-3-pyridin-2-yl-4,5-dihydro-pyrazol-1-yl)-2-imidazol-1-yl-ethanone derivatives, 315
 synthesis and in vitro antifungal and cytotoxicity evaluation of substituted 4,5-dihydronaphtho[1,2-*d*][1,2,3]thia(or seleno)diazoles, 63
- Anti-fungal and anti-microbial activity**
 an investigation of the biological effect of structural modifications of isothiosemicarbazones and their cyclic analogues, 951
- Anti-HIV-1 activity**
 synthesis and anti-HIV activity of new C_2 symmetric derivatives designed as HIV-1 protease inhibitors, 149
- Anti-HIV activity**
 synthesis and anti-HIV activity of 2,3-diaryl-1,3-thiazolidin-4-ones, 115
 synthesis of 1-(6-chloro-1,1-dioxo-1,4,2-benzodithiazin-3-yl)semicarbazides and their transformation into 4-chloro-2-mercapto-*N*-(4,5-dihydro-5-oxo-4-phenyl-1*H*-1,2,4-triazol-3-yl) benzenesulfonamides as potential anticancer and anti-HIV agents, 423
- Anti-HIV agents**
 anti-HIV agents: design and discovery of new potent RT inhibitors, 259
- Anti-inflammatory**
 synthesis of *N*-substituted-*N*-acylthioureas of 4-substituted piperazines endowed with local anaesthetic, antihyperlipidemic, antiproliferative activities and antiarrhythmic, analgesic, antiaggregating actions, 765
- Anti-inflammatory activity**
 synthesis and pharmacological evaluation of new *N*-methyl-arylpyrrolidinols with analgesic activity, 939
- Anti-inflammatory activity**
 synthesis and anti-inflammatory activity of 5-(6-methyl-2-substituted 4-pyrimidinylloxymethyl)-1,3,4-oxadiazole-2-thiones and their 3-morpholinomethyl derivatives, 323
- Anti-inflammatory agents**
 4-substituted 1,5-diarylpyrazole, analogues of celecoxib: synthesis and preliminary evaluation of biological properties, 795
- Anti-inflammatory agents**
 antiinflammatory and antinociceptive activities of some benzotriazolylalkanoic acids, 33
- Anti-inflammatory agents**
 novel thiazolyl, thiazolinyl and benzothiazolyl Schiff bases as possible lipoxygenase's inhibitors and anti-inflammatory agents, 489
- Anti-inflammatory drugs**
 synthesis and prostaglandin synthase inhibitory activity of new aromatic *O*-alkyloxime ethers substituted with methylsulfonamido or methylsulfonyl groups on their aliphatic portion, 707
- Antimicrobial activity**
 quinoxalin-2-ones: Part 5. Synthesis and antimicrobial evaluation of 3-alkyl-, 3-halomethyl- and 3-carboxyethylquinoxaline-2-ones variously substituted on the benzo-moiety, 1251
 synthesis and antimicrobial activities of some new benzimidazole derivatives, 1345
- Antimicrobial agents**
 synthesis of 3- or 4-phenyl-1,8-naphthyridine derivatives and evaluation of antimycobacterial and antimicrobial activity, 859
- Antimicrobial and cytotoxic activities**
 synthesis, X-ray crystal structure and biological properties of acetylenic flavone derivatives, 875
- Antimycobacterial activity**
 3-benzyl-2*H*-1,3-benzoxazine-2,4(3*H*)-diones, a new group of antimycobacterial compounds against potentially pathogenic strains, 1137
 synthesis and antimycobacterial activity of (3,4-diaryl-3*H*-thiazol-2-ylidene)-hydrazide derivatives, 631
- Antimycobacterial agents**
 synthesis and biological evaluation of enantiomerically pure pyrrolyl-oxazolidinones as a new class of potent and selective monoamine oxidase type A inhibitors, 231
 synthesis of 3- or 4-phenyl-1,8-naphthyridine derivatives and evaluation of antimycobacterial and antimicrobial activity, 859
- Antimycotic activity**
 synthesis of some 1-(2,4-dihydroxythiobenzoyl)imidazoles, -imidazolines and -tetrazoles and their potent activity against *Candida* species, 455
- Antineoplastic activity**
 1,2-dithiolan-3-ones and derivatives structurally related to leinamycin. Synthesis and biological evaluation, 995
- Antinociceptive activity**
 4-amino-3(2*H*)-pyridazinones bearing arylpiperazinylalkyl groups and related compounds: synthesis and antinociceptive activity, 1063
 synthesis and pharmacological evaluation of new *N*-methyl-arylpyrrolidinols with analgesic activity, 939
- Antinociceptive agents**
 antiinflammatory and antinociceptive activities of some benzotriazolylalkanoic acids, 33
- Antioxidation activities**
 antioxidant activity of thioureidic derivatives I, 823
- Antiparasitic activity**
 antiparasitic activity of highly conjugated pyrimidine-2,4-dione derivatives, 1263
- Anti-prion-molecules**
 congo red analogues as potential anti-prion agents, 929
- Antiproliferative activity**
 pyran derivatives: Part XXI. Antiproliferative and cytotoxic properties of novel *N*-substituted 4-aminocoumarins, their benzo-fused derivatives, and some related 2-aminochromones, 1083
- Antiproliferative agents**
 quinoxaline chemistry. Part 16. 4-Substituted anilino and 4-substituted phenoxyethyl pyrrolo[1,2-*a*]quinoxalines and *N*-[4-(pyrrolo[1,2-*a*]quinoxalin-4-yl)amino and hydroxymethyl]-benzoyl glutamates. Synthesis and evaluation of in vitro biological activity, 639
- Antituberculosis agents**
 antituberculosis agents VIII: Synthesis and in vitro antimycobacterial activity of alkyl α -[5-(5-nitro-2-thienyl)-1,3,4-thiadiazole-2-ylthio]acetates, 1073
- Antitumor agent**
 synthesis and biological evaluation of new amino acids structurally related to the antitumor agent acivicin, 683
- Anti-viral activity**
 synthesis and anti-measles virus activity of new isoquinolin-4-one derivatives, 1217
- Apoptosis**
 ceramide analogues in apoptosis: a new strategy for anticancer drug development, 205
 conformationally restrained ceramide analogues: effects of lipophilic modifications on the antiproliferative activity, 85
- Aroylpyrazines**
 substituted 5-aryolpyrazine-2-carboxylic acid derivatives: synthesis and biological activity, 1105
- Arthritis**
 different in vitro activity of flurbiprofen and its enantiomers on human articular cartilage, 1339

- Artificial oligonucleotides
structural modifications of antisense oligonucleotides, 243
- Arylfuran derivatives
synthetic and antibacterial studies on some new furanopeptides, 569
- Arylidenehydrazothiazoles
an investigation of the biological effect of structural modifications of isothiosemicarbazones and their cyclic analogues, 951
- Arylideneisothiosemicarbazones
an investigation of the biological effect of structural modifications of isothiosemicarbazones and their cyclic analogues, 951
- Aryloxypropanolamines
synthesis, β -adrenergic blocking activity and β -receptor binding affinities of 1-substituted-3-(2-isopropyl-5-methyl-phenoxy)-propan-2-ol oxalates, 557
- 2-Aryl-3-phenylamino-4,5-dihydro-2H-benz[g]indazoles
2-aryl-3-phenylamino-4,5-dihydro-2h-benz[g]indazoles with analgesic activity, 845
- Arylpiperazinylalkylpyridazinones
4-amino-3(2*H*)-pyridazinones bearing arylpiperazinylalkyl groups and related compounds: synthesis and antinociceptive activity, 1063
- (\pm)-1-(5-Aryl-3-pyridin-2-yl-4,5-dihydro-pyrazol-1-yl)-2-imidazol-1-yl-ethanone derivatives
synthesis and antifungal activity of (\pm)-1-(5-aryl-3-pyridin-2-yl-4,5-dihydro-pyrazol-1-yl)-2-imidazol-1-yl-ethanone derivatives, 315
- Ascorbyl derivatives
coagels from alkanoyl-6-O-ascorbic acid derivatives as drug carriers: structure and rheology, 1271
- ΔA spectrophotometry
stability indicating methods for the determination of aceclofenac, 91
- Atenolol
synthesis, β -adrenergic blocking activity and β -receptor binding affinities of 1-substituted-3-(2-isopropyl-5-methyl-phenoxy)-propan-2-ol oxalates, 557
- 2-Aza-spiro[4.4]nonane-1,3-dione
synthesis and anticonvulsant properties of new *N*-[(4-arylpiperazin-1-yl)-methyl] derivatives of 3-aryl pyrrolidine-2,5-dione and 2-aza-spiro[4.4]nonane-1,3-dione, 1227
- Azofuroxans
synthesis and vasodilating properties of *N*-alkylamide derivatives of 4-amino-3-furoxancarboxylic acid and related azo derivatives, 677
- Azomethines
antiparasitic activity of highly conjugated pyrimidine-2,4-dione derivatives, 1263
- Backbone modified oligonucleotides
structural modifications of antisense oligonucleotides, 243
- Bacteriocides
functionalized alkyl and aryl diselenides as antimicrobial and antiviral agents: synthesis and properties, 1235
- Baker's yeast
chemo-enzymatic synthesis of levodropropizine, 1029
- Benzamides
synthesis and antimicrobial activities of some new benzimidazole derivatives, 1345
- Benzimidazole derivatives
synthesis, antibacterial and antifungal activities of electron-rich olefins derived benzimidazole compounds, 431
- Benzimidazoles
some new bi- and ter-benzimidazole derivatives as topoisomerase I inhibitors, 497
- synthesis and antimicrobial activities of some new benzimidazole derivatives, 1345
- 1,2-Benzisothiazolin-3-one
pH-Partition profiles of 4-(3-oxo-1,2-benzisothiazolin-2-yl)phenyl and phenoxyalkanoic acids, 989
- Benzoazepine derivatives
benzoazepine derivative as potent antagonists of the glycine binding site associated to the NMDA receptor, 723
- Benzodiazepine receptor binding
characterization and preliminary use of 1-, 2- and 3-methyl-5-phenyl-7-chloro-1,2,3-triazolo[4,5-d]pyrimidine as reaction intermediates, 551
- 1,3-Benzodioxoles
synthesis and cytotoxic activity of 1,3-benzodioxole derivatives. Note II, 351
- Benzopyranone
in silico screening with benzofurane- and benzopyrane-type MDR-modulators, 185
- Benzopyran-4-one derivatives
2-(dialkylamino)-4*H*-1-benzopyran-4-one derivatives modify chloride conductance in CFTR expressing cells, 961
- Benzotriazolyl alkanolic acids
antiinflammatory and antinociceptive activities of some benzotriazolylalkanoic acids, 33
- Benzotriazolylalkoxyalkanoic acids
antiinflammatory and antinociceptive activities of some benzotriazolylalkanoic acids, 33
- Benzoxazines
3-benzyl-2*H*-1,3-benzoxazine-2,4(3*H*)-diones, a new group of antimycobacterial compounds against potentially pathogenic strains, 1137
- 1-Benzoyloxy-3-chloropropan-2-ol
chemo-enzymatic synthesis of levodropropizine, 1029
- beta-Adrenergic agonists
a novel potentiometric approach for detection of beta-adrenergics and beta-adrenolytics in high-performance liquid chromatography, 591
- beta-Adrenergic blockers
a novel potentiometric approach for detection of beta-adrenergics and beta-adrenolytics in high-performance liquid chromatography, 591
- Bifonazole analogues
synthesis and antimicrobial properties of 3-aryl-1-(1,1'-biphenyl-4-yl)-2-(1*H*-imidazol-1-yl)propanes as 'carba-analogues' of the *N*-arylmethyl-*N*-[(1,1'-biphenyl)-4-ylmethyl]-1*H*-imidazol-1-amines, a new class of antifungal agents, 563
- Binding affinity
synthesis and relative binding affinity to human steroid receptors of substituted 3-aryloxy coumarins, 1201
- Binding assay
synthesis and biological evaluation of pyridazino[4,3-*b*]indoles and indeno[1,2-*c*]pyridazines as new ligands of central and peripheral benzodiazepine receptors, 129
- Bioadhesion
an in vitro investigation for vaginal bioadhesive formulations: bioadhesive properties and swelling states of polymer mixtures, 391
- Bioavailability
in vitro evaluation of food effect on the bioavailability of rifampicin from antituberculosis fixed dose combination formulations, 1099
- Bisquaternary heterocyclic compounds
anticancer bisquaternary heterocyclic compounds: a *ras*-ional design, 221
- bis-Thioureidic
in vitro anti-acanthamoeba action by thioureidic derivatives, 819

- Bopindolol
determination of bopindolol by sequential injection technique with spectrophotometric detection, 1057
- Bovine serum albumin
competitive interfacial adsorption of blood proteins, 1017
- Breast cancer cells
proline analogue of melphalan as a prodrug susceptible to the action of prolidase in breast cancer MDA-MB 231 cells, 1113
- Breast carcinoma
synthesis and antitumor evaluation of some new substituted amidino-benzimidazolyl-furyl-phenyl-acrylates and naphtho[2,1-*b*]furan-carboxylates, 1319
- Brostallicin
the discovery of a new potential anticancer drug: a case history, 213
- Bupivacaine
sustained release of bupivacaine from devices based on chitosan, 1187
- Butyrylcholinesterase
design, synthesis and biological evaluation of ambenonium derivatives as AChE inhibitors, 917
- Calcium antagonists
synthesis and in vitro calcium antagonist activity of 4-aryl-7,7-dimethyl/1,7,7-trimethyl-1,2,3,4,5,6,7,8-octahydroquinazolin-2,5-dione derivatives, 17
- Calcium channel antagonists
synthesis and calcium antagonist activity of 1,4-dihydropyridines containing phenylaminoimidazolyl substituents, 1077
- Calcium gluconate
investigations on mefenamic acid sustained release tablets with water-insoluble gel, 397
- Cancer
a novel sunscreen agent having antimelanoma activity, 1163
- Candida spp.*
synthesis and antifungal activity of (\pm)-1-(5-aryl-3-pyridin-2-yl-4,5-dihydro-pyrazol-1-yl)-2-imidazol-1-yl-ethanone derivatives, 315
- Capillary electrophoresis
electrophoretic behavior of alprenolol in mixed solvent electrolyte systems, 1039
- Carbocisteine
kinetic spectrophotometric determination of some sulfur containing compounds in pharmaceutical preparations and human serum, 1325
- Carbonic anhydrase
comparative QSAR of the sulfonamide function, 625
- Carbon paste electrode
determination of pantoprazole by adsorptive stripping voltammetry at carbon paste electrode, 535
flow injection amperometric determination of dipyrone in pharmaceutical formulations using a carbon paste electrode, 999
- Carbopol 934
an in vitro investigation for vaginal bioadhesive formulations: bioadhesive properties and swelling states of polymer mixtures, 391
- Cartilage
different in vitro activity of flurbiprofen and its enantiomers on human articular cartilage, 1339
- Cefamandole nafate sodium
kinetics of cefamandole nafate degradation in solid phase, 309
- Cefdinir
an alternative procedure for preparation of cefdinir, 409
- Cefotaxime
an improved method for preparation of cefpodoxime proxetil, 363
- Cefpodoxime proxetil
an improved method for preparation of cefpodoxime proxetil, 363
- Cellulose derivatives
in vitro release studies of chlorpheniramine maleate from gels prepared by different cellulose derivatives, 605
- Cephalosporins
an alternative procedure for preparation of cefdinir, 409
an improved method for preparation of cefpodoxime proxetil, 363
- Ceramide analogues
ceramide analogues in apoptosis: a new strategy for anticancer drug development, 205
conformationally restrained ceramide analogues: effects of lipophilic modifications on the antiproliferative activity, 85
- Cerebroside
preliminary biological assay on cerebroside mixture from *Eu-phorbia nicaeensis* All. Isolation and structure determination of five glucocerebrosides, 809
- CFTR
2-(dialkylamino)-4H-1-benzopyran-4-one derivatives modify chloride conductance in CFTR expressing cells, 961
- Charge-transfer complex
two simple methods for the estimation of albendazole and its dosage forms using chloramine-T, 527
- Chemometric methods
spectrophotometric quantitative resolution of hydrochlorothiazide and spironolactone in tablets by chemometric analysis methods, 1151
- Chemotactic peptides
synthesis and activity of HCO-Met-Leu-Phe-OMe analogues containing β -alanine or taurine at the central position, 1121
- Chitosan beads
sustained release of bupivacaine from devices based on chitosan, 1187
- Chloramine-T
two simple methods for the estimation of albendazole and its dosage forms using chloramine-T, 527
- 1-(6-Chloro-1,1-dioxo-1,4,2-benzodithiazin-3-yl)semicarbazides
synthesis of 1-(6-chloro-1,1-dioxo-1,4,2-benzodithiazin-3-yl)semicarbazides and their transformation into 4-chloro-2-mercapto-*N*-(4,5-dihydro-5-oxo-4-phenyl-1*H*-1,2,4-triazol-3-yl) benzenesulfonamides as potential anticancer and anti-HIV agents, 423
- 4-Chloro-7-nitrobenzo-2-oxa-1,3-diazole (NBD-Cl)
spectrophotometric determination of fenoterol hydrobromide in pure form and dosage forms, 1033
- 3-Chloro-1,2-propanediol
chemo-enzymatic synthesis of levodropropizine, 1029
- Chlorpheniramine maleate
in vitro release studies of chlorpheniramine maleate from gels prepared by different cellulose derivatives, 605
- Chlorzoxazone
kinetic study of alkaline induced hydrolysis of the skeletal muscle relaxant chlorzoxazone using ratio spectra first derivative spectrophotometry, 337
- Cholecystographic agents
inhibition of drug binding to human serum albumin by cholecystographic agents, 901
- Cholesterol
synthesis and hypolipidemic activity of *N*-substituted phthalimides. Part V, 1283
- Choline kinase
anticancer bisquaternary heterocyclic compounds: a *ras*-ional design, 221

- Cicloxygenase inhibitors
 synthesis and prostaglandin synthase inhibitory activity of new aromatic *O*-alkyloxime ethers substituted with methylsulfonamido or methylsulfonyl groups on their aliphatic portion, 707
- Ciclopirox
 polarographic determination of ciclopirox olamine in pure substance and in different pharmaceutical preparations, 1313
- Cilazapril
 square wave voltammetric determination of the angiotensin-converting enzyme inhibitors cilazapril, quinapril and ramipril in pharmaceutical formulations, 343
- Circular dichroism
 inhibition of drug binding to human serum albumin by cholectographic agents, 901
- Classical least squares
 multivariate least squares regression applied to the spectrophotometric analysis of manidipine and its main photoproduct, 909
- Cloned receptors
 synthesis and in vitro pharmacology of novel heterocyclic muscarinic ligands, 739
- Coagel
 coagels from alkanoyl-6-*O*-ascorbic acid derivatives as drug carriers: structure and rheology, 1271
- Cognition-enhancing activity
 2-pyrrolidinone moiety is not critical for the cognition-enhancing activity of piracetam-like drugs, 715
- Collagen
 proline analogue of melphalan as a prodrug susceptible to the action of prolidase in breast cancer MDA-MB 231 cells, 1113
- Competitive adsorption
 competitive interfacial adsorption of blood proteins, 1017
- Complexation
 propranolol hydrochloride-anionic polymer binding interaction, 1051
- Complex properties
 preparation and properties of selected Zn(II)-peptide complexes in suspension, 1131
- Condensed dihydropyrimidines
 synthesis and in vitro calcium antagonist activity of 4-aryl-7,7-dimethyl/1,7,7-trimethyl-1,2,3,4,5,6,7,8-octahydroquinazolin-2,5-dione derivatives, 17
- Conformational analysis
 conformation by NMR of two tetralin-based receptor ligands, 469
- Congo red
 congo red analogues as potential anti-prion agents, 929
- Conjugation
 PEGylation of the antimicrobial peptide nisin A: problems and perspectives, 45
- Coumarins
 synthesis and relative binding affinity to human steroid receptors of substituted 3-aryloxy coumarins, 1201
- Coupling agents
 synthetic and antibacterial studies on some new furanopeptides, 569
- COX-inhibitors
 4-substituted 1,5-diarylpyrazole, analogues of celecoxib: synthesis and preliminary evaluation of biological properties, 795
- [3,4-*c*]Pyrimidines
 characterization and preliminary use of 1-, 2- and 3-methyl-5-phenyl-7-chloro-1,2,3-triazolo[4,5-*d*]pyrimidine as reaction intermediates, 551
- Cyclazosin
 searching for cyclazosin analogues as α_{1B} -adrenoceptor antagonists, 477
- Cyclazosin analogues
 searching for cyclazosin analogues as α_{1B} -adrenoceptor antagonists, 477
- Cyclodextrin
 docking experiments showing similar recognition patterns of paclitaxel when interacting with different macromolecular targets, 691
- Cyclonite
 determination of cyclonite (RDX) in human plasma by high-performance liquid chromatography, 445
- Cynthia savignyi*
 cynthichlorine: a bioactive alkaloid from the tunicate *Cynthia savignyi*, 1351
- Cynthichlorine
 cynthichlorine: a bioactive alkaloid from the tunicate *Cynthia savignyi*, 1351
- Cystic fibrosis
 2-(dialkylamino)-4H-1-benzopyran-4-one derivatives modify chloride conductance in CFTR expressing cells, 961
- Cytisine derivatives
 cytosine derivatives as ligands for neuronal nicotine receptors and with various pharmacological activities, 265
- Cytochrome *c* release
 ceramide analogues in apoptosis: a new strategy for anticancer drug development, 205
- Cytostatic activity
 preliminary biological assay on cerebroside mixture from *Euphorbia nicaeensis* All. Isolation and structure determination of five glucocerebrosides, 809
- Cytotoxic activity
 chromophore-modified bis-benzo[*g*]indole carboxamides: synthesis and antiproliferative activity of bis-benzo[*g*]indazole-3-carboxamides and related dimers, 749
 synthesis and cytotoxic activity of 1,3-benzodioxole derivatives. Note II, 351
- Cytotoxicity
 cynthichlorine: a bioactive alkaloid from the tunicate *Cynthia savignyi*, 1351
 in vitro cytotoxicity to human cells in culture of some phenolics from olive oil, 403
 pyran derivatives: Part XXI. Antiproliferative and cytotoxic properties of novel *N*-substituted 4-aminocoumarins, their benzo-fused derivatives, and some related 2-aminochromones, 1083
 synthesis and in vitro antifungal and cytotoxicity evaluation of substituted 4,5-dihydronaphtho[1,2-*d*][1,2,3]thia(or seleno)diazoles, 63
- D003
 gas chromatographic method for determining very long chain fatty acids that compose D003 in aqueous suspensions from 20 to 200 mg/ml, used in pharmacological and toxicological studies, 521
- Dalarelin
 preparation and properties of selected Zn(II)-peptide complexes in suspension, 1131
- Derivative spectrophotometry
 stability indicating methods for the determination of aceclofenac, 91
- Determination
 sensitive spectrophotometric determination of amlodipine and felodipine using iron(III) and ferricyanide, 141
 two simple methods for the estimation of albendazole and its dosage forms using chloramine-T, 527
- Determination of ketoprofen
 a validated method development for ketoprofen by a flow-injection analysis with UV-detection and its application to pharmaceutical formulations, 419

- 2,3-Diaryl-1,3-thiazolidin-4-ones
anti-HIV agents: design and discovery of new potent RT inhibitors, 259
synthesis and anti-HIV activity of 2,3-diaryl-1,3-thiazolidin-4-ones, 115
- Diastereoselective synthesis
synthesis and pharmacological evaluation of new *N*-methyl-arylpyrrolidinols with analgesic activity, 939
- Diazotization
3-aminophenol as a novel coupling agent for the spectrophotometric determination of sulfonamide derivatives, 1295
- Diazotized benzocaine
spectrophotometric determination of labetalol in pharmaceutical preparations and spiked human urine, 293
- Diazotized *p*-nitroaniline
spectrophotometric determination of labetalol in pharmaceutical preparations and spiked human urine, 293
- Dibenzoylmethane derivatives
a novel sunscreen agent having antimelanoma activity, 1163
- 2,4-Dicarboxy-pyrroles
2,4-dicarboxy-pyrroles as selective non-competitive mGluR1 antagonists: an exploration of the role of the pyrrolic scaffold, 1005
- Dichlorofluorescein
four simple procedures for the assay of methdilazine in bulk drug and in tablets and syrup using potassium iodate, 285
- Dihydrofolate reductase and thymidylate synthase inhibitors
quinoxaline chemistry. Part 15. 4-[2-Quinoxalylmethylenimino]-benzoylglutamates and -benzoates, 4-[2-quinoxalylmethyl-*N*-methylamino]-benzoylglutamates as analogues of classical antifolate agents. Synthesis, elucidation of structures and in vitro evaluation of antifolate and anticancer activities, 51
- 2,4-Dihydroxythiobenzoylderivatives of imidazoles
synthesis of some 1-(2,4-dihydroxythiobenzoyl)imidazoles, -imidazolines and -tetrazoles and their potent activity against *Candida* species, 455
- Dihydropyridines
synthesis and calcium antagonist activity of 1,4-dihydropyridines containing phenylaminoimidazolyl substituents, 1077
- 4-Dimethylaminobenzaldehyde
determination of bopindolol by sequential injection technique with spectrophotometric detection, 1057
- Dipyron
flow injection amperometric determination of dipyron in pharmaceutical formulations using a carbon paste electrode, 999
- Diselenides
functionalized alkyl and aryl diselenides as antimicrobial and antiviral agents: synthesis and properties, 1235
- Dissolution
in vitro evaluation of food effect on the bioavailability of rifampicin from antituberculosis fixed dose combination formulations, 1099
- Distamycin
the discovery of a new potential anticancer drug: a case history, 213
- 3,3-Disubstituted-1-acylthioureas
synthesis of *N*-substituted-*N*-acylthioureas of 4-substituted piperazines endowed with local anaesthetic, antihyperlipidemic, antiproliferative activities and antiarrhythmic, analgesic, antiaggregating actions, 765
- 1,2-Dithiolan-3-ones-1-oxide
1,2-dithiolan-3-ones and derivatives structurally related to leinamycin. Synthesis and biological evaluation, 995
- DNA
docking experiments showing similar recognition patterns of paclitaxel when interacting with different macromolecular targets, 691
- Docking
docking experiments showing similar recognition patterns of paclitaxel when interacting with different macromolecular targets, 691
- Dopamine
synthesis and affinity for serotonin and dopamine transporters of some benzophenone oxime ether derivatives, 977
- Dosage forms
spectrophotometric determination of fenoterol hydrobromide in pure form and dosage forms, 1033
spectrophotometric determination of labetalol in pharmaceutical preparations and spiked human urine, 293
two simple methods for the estimation of albendazole and its dosage forms using chloramine-T, 527
- 3D QSAR
3D QSAR studies for the β -tubulin binding site of microtubule-stabilizing anticancer agents (MSAAs): A pseudoreceptor model for taxanes based on the experimental structure of tubulin, 659
3D QSAR studies of the interaction between β -tubulin and microtubule stabilizing antimetabolic agents (MSAA). A combined pharmacophore generation and pseudoreceptor modeling approach applied to taxanes and epothilones, 357
- Drug binding
inhibition of drug binding to human serum albumin by cholecystographic agents, 901
- Drug carrier
coagels from alkanoyl-6-O-ascorbic acid derivatives as drug carriers: structure and rheology, 1271
- Drug delivery
sustained release of bupivacaine from devices based on chitosan, 1187
- Drug photodegradation
photostability studies on the furosemide-triamterene drug association, 867
- Drug-polymer interaction
propranolol hydrochloride-anionic polymer binding interaction, 1051
- Ebselen
functionalized alkyl and aryl diselenides as antimicrobial and antiviral agents: synthesis and properties, 1235
- Electrochemical detection
a novel potentiometric approach for detection of beta-adrenergics and beta-adrenolytics in high-performance liquid chromatography, 591
- Electrochromatography
ibuprofen quality control by electrochromatography, 699
- Electron-rich olefins
synthesis, antibacterial and antifungal activities of electron-rich olefins derived benzimidazole compounds, 431
- Electrophoretic mobility
electrophoretic behavior of alprenolol in mixed solvent electrolyte systems, 1039
- Emorfazone
4-amino-3(2*H*)-pyridazinones bearing arylpiperazinylalkyl groups and related compounds: synthesis and antinociceptive activity, 1063
- Enzyme inhibition
quinoxaline chemistry. Part 15. 4-[2-Quinoxalylmethylenimino]-benzoylglutamates and -benzoates, 4-[2-quinoxalylmethyl-*N*-methylamino]-benzoylglutamates as analogues of classical antifolate agents. Synthesis, elucidation of structures and in vitro evaluation of antifolate and anticancer activities, 51
- Ephedrine
the mass spectrometric behaviour of fluorinated ephedrine under different protonating conditions, 69

- Epothilones
3D QSAR studies of the interaction between β -tubulin and microtubule stabilizing antimetabolic agents (MSAA). A combined pharmacophore generation and pseudoreceptor modeling approach applied to taxanes and epothilones, 357
- Erythromycin
synthesis of two and antibacterial activity of one novel oxime ether derivatives of erythromycin A, 1011
- Erythromycin oxime ether
synthesis of two and antibacterial activity of one novel oxime ether derivatives of erythromycin A, 1011
- Ethionamide
kinetic spectrophotometric determination of some sulfur containing compounds in pharmaceutical preparations and human serum, 1325
- Ethylcellulose
influence of the concentration of a gelling agent and the type of surfactant on the rheological characteristics of oleogels, 1289
- Ethylpiperazinyl
synthesis of 3- or 4-phenyl-1,8-naphthyridine derivatives and evaluation of antimycobacterial and antimicrobial activity, 859
- Euphorbia nicaeensis* All.
preliminary biological assay on cerebroside mixture from *Euphorbia nicaeensis* All. Isolation and structure determination of five glucocerebrosides, 809
- Explosive
determination of cyclonite (RDX) in human plasma by high-performance liquid chromatography, 445
- Famotidine
application of ninhydrin to spectrophotometric determination of famotidine in drug formulations, 1045
- Farnesyldiphosphate
synthesis of aniline-type analogues of farnesyl diphosphate and their biological assays for prenyl protein transferase inhibitory activity, 1277
- Fatty acids
gas chromatographic method for determining very long chain fatty acids that compose D003 in aqueous suspensions from 20 to 200 mg/ml, used in pharmacological and toxicological studies, 521
- Felodipine
sensitive spectrophotometric determination of amlodipine and felodipine using iron(III) and ferricyanide, 141
- Fenoterol
spectrophotometric determination of fenoterol hydrobromide in pure form and dosage forms, 1033
- Ferricyanide
sensitive spectrophotometric determination of amlodipine and felodipine using iron(III) and ferricyanide, 141
- Fibrinogen
competitive interfacial adsorption of blood proteins, 1017
- Finasteride
polarographic behavior and determination of finasteride, 159
- First derivative spectrophotometry
rapid and simple methods for quantitative analysis of some antidepressant in pharmaceutical formulations by using first derivative spectrophotometry and HPLC, 1209
- Flavone derivatives
synthesis, X-ray crystal structure and biological properties of acetylenic flavone derivatives, 875
- Flavonyl thiazolidinediones
synthesis and hypoglycemic activity of some substituted flavonyl thiazolidinedione derivatives—fifth communication: flavonyl benzyl substituted 2,4-thiazolidinediones, 79
- Floctafenine and Glafenine
determination of thiocolchicoside in its binary mixtures (thiocolchicoside–glafenine and thiocolchicoside–floctafenine) by TLC–densitometry, 463
- Flow injection analysis
determination of ambroxol hydrochloride in pure solutions and some of its pharmaceutical preparations under batch and FIA conditions, 581
flow injection amperometric determination of dipyrone in pharmaceutical formulations using a carbon paste electrode, 999
- Flow-injection analysis
a validated method development for ketoprofen by a flow-injection analysis with UV-detection and its application to pharmaceutical formulations, 419
- Flubendazole
polarographic determination of flubendazole in spiked human urine and plasma, 613
- Fluorinated ephedrine
the mass spectrometric behaviour of fluorinated ephedrine under different protonating conditions, 69
- 5-Fluorouracil
pharmacokinetic study of oxaliplatin iv chronomodulated infusion combined with 5-fluorouracil iv continuous infusion in the treatment of advanced colorectal cancer, 1333
- Folinic acid
pharmacokinetic study of oxaliplatin iv chronomodulated infusion combined with 5-fluorouracil iv continuous infusion in the treatment of advanced colorectal cancer, 1333
- Food effect
in vitro evaluation of food effect on the bioavailability of rifampicin from antituberculosis fixed dose combination formulations, 1099
- Formulations
four simple procedures for the assay of methdilazine in bulk drug and in tablets and syrup using potassium iodate, 285
- FTase
synthesis of aniline-type analogues of farnesyl diphosphate and their biological assays for prenyl protein transferase inhibitory activity, 1277
- Functional assays
synthesis and in vitro pharmacology of novel heterocyclic muscarinic ligands, 739
- Fungicides
functionalized alkyl and aryl diselenides as antimicrobial and antiviral agents: synthesis and properties, 1235
- Furosemide
photostability studies on the furosemide–triamterene drug association, 867
- Furoxancarboxylic acids
synthesis and vasodilating properties of *N*-alkylamide derivatives of 4-amino-3-furoxancarboxylic acid and related azo derivatives, 677
- Furoxan derivatives
 h_3 receptor ligands: new imidazole H_3 -antagonists endowed with NO-donor properties, 279
- GABA_B receptor 2
ligands for expression cloning and isolation of GABA_B receptors, 173
- GABA_B receptors 1a to 1g
ligands for expression cloning and isolation of GABA_B receptors, 173
- GAGs
different in vitro activity of flurbiprofen and its enantiomers on human articular cartilage, 1339
effects of leflunomide on human cartilage, 983

- GC determination
gas chromatographic method for determining very long chain fatty acids that compose D003 in aqueous suspensions from 20 to 200 mg/ml, used in pharmacological and toxicological studies, 521
- GC/MS
validation of a GC/MS method for the determination of tramadol in human plasma after intravenous bolus, 947
- Gel
in vitro release studies of chlorpheniramine maleate from gels prepared by different cellulose derivatives, 605
- Gentamicin sulfate
mucoadhesive microspheres containing gentamicin sulfate for nasal administration: preparation and in vitro characterization, 11
- γ -Glutamyl junction
synthesis and activity of novel glutathione analogues containing an urethane backbone linkage, 787
- γ -Glutamyl transpeptidase
synthesis and activity of novel glutathione analogues containing an urethane backbone linkage, 787
- Glutathione
synthesis and activity of novel glutathione analogues containing an urethane backbone linkage, 787
the discovery of a new potential anticancer drug: a case history, 213
- Glutathione analogues
synthesis and activity of novel glutathione analogues containing an urethane backbone linkage, 787
- Glycine
benzazepine derivative as potent antagonists of the glycine binding site associated to the NMDA receptor, 723
- Glycosphingolipid
preliminary biological assay on cerebroside mixture from *Euphorbia nicaeensis* All. Isolation and structure determination of five glucocerebrosides, 809
- Glycosylation reactions
purine and deazapurine nucleosides: synthetic approaches, molecular modelling and biological activity, 193
- GnRH
preparation and properties of selected Zn(II)-peptide complexes in suspension, 1131
- α -Halogenoacrylamides
the discovery of a new potential anticancer drug: a case history, 213
- ^1H and ^{13}C NMR trifluoromethylquinoxalines
quinoxaline chemistry. Part 15. 4-[2-Quinoxalylmethylenimino]-benzoylglutamates and -benzoates, 4-[2-quinoxalylmethyl-N-methylamino]-benzoylglutamates as analogues of classical antifolate agents. Synthesis, elucidation of structures and in vitro evaluation of antifolate and anticancer activities, 51
- H_3 -antagonist
 h_3 receptor ligands: new imidazole H_3 -antagonists endowed with NO-donor properties, 279
- Heterobenzothiazepine derivatives
neuropharmacological study of hetero[2,1]benzothiazepine derivatives analogues of tianeptine, 1
- Hexafluoroaniline
synthesis of aniline-type analogues of farnesyl diphosphate and their biological assays for prenyl protein transferase inhibitory activity, 1277
- High-performance liquid chromatography
rapid and simple methods for quantitative analysis of some antidepressant in pharmaceutical formulations by using first derivative spectrophotometry and HPLC, 1209
simple high-performance liquid chromatographic method for the determination of acyclovir in pharmaceuticals, 1301
- Histamine
effects of the vasoactive intestinal peptide on stress-induced mucosal ulcers and modulation of methylation of histamine in gastric tissue of the rats, 449
the role of HB-donor groups in the heterocyclic polar fragment of H_3 -antagonists. I. Synthesis and biological assays, 891
- HIV
synthesis of styrylbenzofuran derivatives as styrylquinoline analogues for HIV-1 integrase inhibitor, 1243
- HIV-1 protease
synthesis and anti-HIV activity of new C_2 symmetric derivatives designed as HIV-1 protease inhibitors, 149
- Homology modeling
binding modes of noncompetitive AMPA antagonists: a computational approach, 107
- Homolytic arylation
substituted 5-arylpyrazine-2-carboxylic acid derivatives: synthesis and biological activity, 1105
- HPLC
a novel potentiometric approach for detection of beta-adrenergics and beta-adrenolytics in high-performance liquid chromatography, 591
a validated spectrophotometric and liquid chromatography method for determination and purity evaluation of 4-methoxy-2-[2-hydroxy-3(4-phenyl-1-piperazinyl)]propyl-2,3-dihydro-6-methyl-1,3-dioxo-1*H*-pyrrolo[3,4-*c*]pyridine, 513
- H_3 -receptor antagonists
the role of HB-donor groups in the heterocyclic polar fragment of H_3 -antagonists. I. Synthesis and biological assays, 891
- HT-29
anticancer bisquaternary heterocyclic compounds: a *ras*-inonal design, 221
- Human articular cartilage
effects of leflunomide on human cartilage, 983
- Human glutathione *S*-transferase
synthesis and activity of novel glutathione analogues containing an urethane backbone linkage, 787
- Human immunoglobulin G
competitive interfacial adsorption of blood proteins, 1017
- Human neutrophils
synthesis and activity of HCO-Met-Leu-Phe-OMe analogues containing β -alanine or taurine at the central position, 1121
- Human serum albumin
inhibition of drug binding to human serum albumin by cholecystographic agents, 901
- Human skin
in vitro release studies of chlorpheniramine maleate from gels prepared by different cellulose derivatives, 605
- Hydrochlorothiazide
spectrophotometric quantitative resolution of hydrochlorothiazide and spironolactone in tablets by chemometric analysis methods, 1151
- Hydrophilic polymer
a study on the release mechanism of drugs from hydrophilic partially coated perforated matrices, 971
- Hydroxypropyl methylcellulose
mucoadhesive microspheres containing gentamicin sulfate for nasal administration: preparation and in vitro characterization, 11
- Hypoglycaemic activity
isolation and pharmacological activities of the Tecoma stans alkaloids, 781
- Hypoglycemic activity
synthesis and hypoglycemic activity of some substituted flavonyl thiazolidinedione derivatives—fifth communication: flavonyl benzyl substituted 2,4-thiazolidinediones, 79

- Hypolipidemic activity
 synthesis and hypolipidemic activity of *N*-substituted phthalimides. Part V, 1283
- Ibuprofen
 ibuprofen quality control by electrochromatography, 699
- Imidazole antifungal agents
 synthesis and antimicrobial properties of 3-aryl-1-(1,1'-biphenyl-4-yl)-2-(1H-imidazol-1-yl)propanes as 'carba-analogues' of the *N*-arylmethyl-*N*-[(1,1'-biphenyl)-4-ylmethyl]-1H-imidazol-1-amines, a new class of antifungal agents, 563
- Imidazolines and tetrazoles
 synthesis of some 1-(2,4-dihydroxythiobenzoyl)imidazoles, -imidazolines and -tetrazoles and their potent activity against *Candida* species, 455
- Imide
 tumor necrosis factor- α production-regulating activity of phthalimide derivatives in genetically modified murine melanoma cells B78H1, 371
- Immunoadjuvant
 synthesis of new P₃CS derivatives and their mitogenic activity on in vitro mice splenocytes, 329
- Immunostimulating agents
 structural characterization of a dipeptide compound with immunostimulant activity: 3-(5-thioxo-L-prolyl)-L-thiazolidine-4-carboxylic acid, 883
- Indeno[1,2-*c*]pyridazines
 synthesis and biological evaluation of pyridazino[4,3-*b*]indoles and indeno[1,2-*c*]pyridazines as new ligands of central and peripheral benzodiazepine receptors, 129
- Indomethacin
 in vitro drug liberation and kinetics of sustained release indomethacin suppository, 509
- Inhibitors
 some new bi- and ter-benzimidazole derivatives as topoisomerase I inhibitors, 497
 towards new neuroprotective agents: design and synthesis of 4*H*-thieno[2,3-*c*] isoquinolin-5-one derivatives as potent PARP-1 inhibitors, 851
- In silico screening approach
 in silico screening with benzofurane- and benzopyrane-type MDR-modulators, 185
- Integrase inhibitor
 synthesis of styrylbenzofuran derivatives as styrylquinoline analogues for HIV-1 integrase inhibitor, 1243
- Interplay between GB1 and GB2
 ligands for expression cloning and isolation of GABA_B receptors, 173
- In vitro antifungal activity
 substituted 5-aroypyrazine-2-carboxylic acid derivatives: synthesis and biological activity, 1105
- In vitro antimycobacterial activity
 substituted 5-aroypyrazine-2-carboxylic acid derivatives: synthesis and biological activity, 1105
- In vitro studies
 synthesis, antibacterial and antifungal activities of electron-rich olefins derived benzimidazole compounds, 431
 synthesis of some 1-(2,4-dihydroxythiobenzoyl)imidazoles, -imidazolines and -tetrazoles and their potent activity against *Candida* species, 455
- Ionization methods
 the mass spectrometric behaviour of fluorinated ephedrine under different protonating conditions, 69
- Ion-selective electrode
 determination of amroxol hydrochloride in pure solutions and some of its pharmaceutical preparations under batch and FIA conditions, 581
- Iron(III) chloride
 quantitative determination of some pharmaceutical piperazine derivatives through complexation with iron(III) chloride, 573
 sensitive spectrophotometric determination of amlodipine and felodipine using iron(III) and ferricyanide, 141
- Ischemia
 synthesis of 3,3'-(1-piperidino)substituted methylene-bis-isoxazoles preventing stimulus-induced leukocytes activation, 121
 towards new neuroprotective agents: design and synthesis of 4*H*-thieno[2,3-*c*] isoquinolin-5-one derivatives as potent PARP-1 inhibitors, 851
- Isoquinolin-4-one derivatives
 synthesis and anti-measles virus activity of new isoquinolin-4-one derivatives, 1217
- K_{ATP} channel blocker
 synthesis and structure of novel 2,3, 5,6-tetrahydro-1*H*-imidazo[2,1-*b*][1,3,5]benzotriazepines with vasocontractile activity in rabbit aortic rings, 1171
- Keratitis
 in vitro anti-acanthamoeba action by thioureidic derivatives, 819
- Ketoconazole
 quantitative determination of some pharmaceutical piperazine derivatives through complexation with iron(III) chloride, 573
- Ketoprofen
 preparation and in vitro evaluation of modified release ketoprofen microsponges, 101
- Kinetics
 kinetic study of alkaline induced hydrolysis of the skeletal muscle relaxant chlorzoxazone using ratio spectra first derivative spectrophotometry, 337
- Kynurenine pathway enzymes
 enzyme activities of tryptophan metabolism along the kynurenine pathway in various species of animals, 829
- Labetalol
 spectrophotometric determination of labetalol in pharmaceutical preparations and spiked human urine, 293
- Largeneal carcinoma
 synthesis and antitumor evaluation of some new substituted amidino-benzimidazolyl-furyl-phenyl-acrylates and naphtho[2,1-*b*]furan-carboxylates, 1319
- LC
 determination of two ternary mixtures containing phenobarbitone by second derivative of the ratio spectrum-zero-crossing and HPLC methods, 377
- Leflunomide
 effects of leflunomide on human cartilage, 983
- Leinamycin
 1,2-dithiolan-3-ones and derivatives structurally related to leinamycin. Synthesis and biological evaluation, 995
- Levodropropizine
 chemo-enzymatic synthesis of levodropropizine, 1029
- Lipopeptides
 synthesis of new P₃CS derivatives and their mitogenic activity on in vitro mice splenocytes, 329
- Lipophilicity
 conformationally restrained ceramide analogues: effects of lipophilic modifications on the antiproliferative activity, 85
 pH-Partition profiles of 4-(3-oxo-1,2-benzisothiazolin-2-yl)phenyl and phenoxyalkanoic acids, 989
- Lipoxygenase inhibitors
 novel thiazolyl, thiazolinyl and benzothiazolyl Schiff bases as possible lipoxygenase's inhibitors and anti-inflammatory agents, 489

- Liquid membrane electrodes
a novel potentiometric approach for detection of beta-adrenergics and beta-adrenolytics in high-performance liquid chromatography, 591
- Lisinopril
a new spectrofluorimetric method for the determination of lisinopril in tablets, 165
- LIVBP
binding modes of noncompetitive AMPA antagonists: a computational approach, 107
- Local anaesthetic, Antihyperlipidemic
synthesis of *N*-substituted-*N*-acylthioureas of 4-substituted piperazines endowed with local anaesthetic, antihyperlipidemic, antiproliferative activities and antiarrhythmic, analgesic, antiaggregating actions, 765
- Local anesthetics
new substituted 2-(pyrazol-1-yl)-dialkylacetanilides with potential local anesthetic and antiarrhythmic action. Part II, 301
- Macrocycles
a novel potentiometric approach for detection of beta-adrenergics and beta-adrenolytics in high-performance liquid chromatography, 591
- Macromolecular prodrugs
improvement of physicochemical and biopharmaceutical properties of theophylline by poly(ethylene glycol) conjugates, 1307
- Manidipine
multivariate least squares regression applied to the spectrophotometric analysis of manidipine and its main photoproduct, 909
- Mannich bases
synthesis of 3,3'-(1-piperidino)substituted methylene-bis-isoxazoles preventing stimulus-induced leukocytes activation, 121
- MAO
synthesis and biological evaluation of enantiomerically pure pyrrolyl-oxazolidinones as a new class of potent and selective monoamine oxidase type A inhibitors, 231
- MAO inhibitors
synthesis and biological evaluation of enantiomerically pure pyrrolyl-oxazolidinones as a new class of potent and selective monoamine oxidase type A inhibitors, 231
- Mass spectrometry
the mass spectrometric behaviour of fluorinated ephedrine under different protonating conditions, 69
- MBTH
spectrophotometric determination of propranolol in formulations via oxidative coupling with 3-methylbenzothiazoline-2-one hydrazone, 1179
- Measles virus
synthesis and anti-measles virus activity of new isoquinolin-4-one derivatives, 1217
- Mefenamic acid
investigations on mefenamic acid sustained release tablets with water-insoluble gel, 397
- Melanoma
a novel sunscreen agent having antimelanoma activity, 1163
synthesis and antitumor evaluation of some new substituted amidino-benzimidazolyl-furyl-phenyl-acrylates and naphtho[2,1-*b*]furan-carboxylates, 1319
- Melatonin
conformation by NMR of two tetralin-based receptor ligands, 469
- 2-Mercapto-*N*-(4,5-dihydro-5-oxo-4-phenyl-1*H*-1,2,4-triazol-3-yl)benzenesulfonamides
synthesis of 1-(6-chloro-1,1-dioxo-1,4,2-benzodithiazin-3-yl)semicarbazides and their transformation into 4-chloro-2-mercapto-*N*-(4,5-dihydro-5-oxo-4-phenyl-1*H*-1,2,4-triazol-3-yl)benzenesulfonamides as potential anticancer and anti-HIV agents, 423
- Methacrylic acid copolymer
propranolol hydrochloride-anionic polymer binding interaction, 1051
- Methdilazine determination
four simple procedures for the assay of methdilazine in bulk drug and in tablets and syrup using potassium iodate, 285
- Methoxy poly(ethylene glycol)
improvement of physicochemical and biopharmaceutical properties of theophylline by poly(ethylene glycol) conjugates, 1307
- Methylsulfonamido inhibitors
synthesis and prostaglandin synthase inhibitory activity of new aromatic *O*-alkyloxime ethers substituted with methylsulfonamido or methylsulfonyl groups on their aliphatic portion, 707
- Methylsulfonyl inhibitors
synthesis and prostaglandin synthase inhibitory activity of new aromatic *O*-alkyloxime ethers substituted with methylsulfonyl or methylsulfonyl groups on their aliphatic portion, 707
- Michael addition
synthesis of two and antibacterial activity of one novel oxime ether derivatives of erythromycin A, 1011
- Microsphere
in vitro drug liberation and kinetics of sustained release indomethacin suppository, 509
- Microsponges
preparation and in vitro evaluation of modified release ketoprofen microsponges, 101
- Minimum inhibitory concentration
antituberculosis agents VIII: Synthesis and in vitro antimycobacterial activity of alkyl α -[5-(5-nitro-2-thienyl)-1,3,4-thiadiazole-2-ylthio]acetates, 1073
synthesis and in vitro antibacterial activity of some *N*-(5-aryl-1,3,4-thiadiazole-2-yl)piperazinyl quinolone derivatives, 1023
- Minor groove
the discovery of a new potential anticancer drug: a case history, 213
- Mitogenicity
synthesis of new P₃CS derivatives and their mitogenic activity on in vitro mice splenocytes, 329
- Mixed solvent buffers
electrophoretic behavior of alprenolol in mixed solvent electrolyte systems, 1039
- Mixture design
spectrophotometric quantitative resolution of hydrochlorothiazide and spironolactone in tablets by chemometric analysis methods, 1151
- 2'-Modified oligonucleotides
structural modifications of antisense oligonucleotides, 243
- Modified release
preparation and in vitro evaluation of modified release ketoprofen microsponges, 101
- Moiety
2-pyrrolidinone moiety is not critical for the cognition-enhancing activity of piracetam-like drugs, 715
- Molecular mechanics
conformation by NMR of two tetralin-based receptor ligands, 469
- Morpholinyl
synthesis of 3- or 4-phenyl-1,8-naphthyridine derivatives and evaluation of antimycobacterial and antimicrobial activity, 859

- MTT assay
substituted 5-aryloxy-pyrazine-2-carboxylic acid derivatives: synthesis and biological activity, 1105
- Mucoadhesive microspheres
mucoadhesive microspheres containing gentamicin sulfate for nasal administration: preparation and in vitro characterization, 11
- Multidrug resistance
in silico screening with benzofurane- and benzopyrane-type MDR-modulators, 185
- Multivariate spectrophotometry
multivariate least squares regression applied to the spectrophotometric analysis of manidipine and its main photoproduct, 909
- Muscarinic activity
synthesis and antagonistic activity at muscarinic receptor subtypes of some derivatives of diphenidol, 651
- Muscarinic ligands
synthesis and in vitro pharmacology of novel heterocyclic muscarinic ligands, 739
- Muscarinic receptors ligands
N-Homolupinanoyl and *N*-(ω -lupinylthio)alkanoyl derivatives of some tricyclic systems as ligands for muscarinic M₁ and M₂ receptor subtypes, 669
- Muscarinic receptor subtypes
synthesis and in vitro pharmacology of novel heterocyclic muscarinic ligands, 739
- Mycobacterium
3-benzyl-2*H*-1,3-benzoxazine-2,4(3*H*)-diones, a new group of antimycobacterial compounds against potentially pathogenic strains, 1137
- 1,8-Naphthyridines
synthesis of 3- or 4-phenyl-1,8-naphthyridine derivatives and evaluation of antimycobacterial and antimicrobial activity, 859
- N*-Arylphthalimides
synthesis and hypolipidemic activity of *N*-substituted phthalimides. Part V, 1283
- Nasal drug delivery
mucoadhesive microspheres containing gentamicin sulfate for nasal administration: preparation and in vitro characterization, 11
- NBD-Cl
a new spectrofluorimetric method for the determination of lisinopril in tablets, 165
- Nefazodone hydrochloride
rapid and simple methods for quantitative analysis of some antidepressant in pharmaceutical formulations by using first derivative spectrophotometry and HPLC, 1209
- Neuroleptic activity
neuropharmacological study of hetero[2,1]benzothiazepine derivatives analogues of tianeptine, 1
- Neuronal nicotinic acetylcholine receptors
cytisine derivatives as ligands for neuronal nicotine receptors and with various pharmacological activities, 265
- Neuropharmacology
neuropharmacological study of hetero[2,1]benzothiazepine derivatives analogues of tianeptine, 1
- Neuroprotection
towards new neuroprotective agents: design and synthesis of 4*H*-thieno[2,3-*c*] isoquinolin-5-one derivatives as potent PARP-1 inhibitors, 851
- Neutrophils
synthesis of 3,3'-(1-piperidino)substituted methylene-bis-isoxazoles preventing stimulus-induced leukocytes activation, 121
- N*-(Homolupinanoyl)phenothiazines
N-Homolupinanoyl and *N*-(ω -lupinylthio)alkanoyl derivatives of some tricyclic systems as ligands for muscarinic M₁ and M₂ receptor subtypes, 669
- N*-2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl derivatives
synthesis and pharmacological properties of *N,N*-dialkyl(dialkenyl)amides of 7-methyl-3-phenyl-1-[2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl]-2,4-dioxo-1,2,3,4-tetrahydropyrido[2,3-*d*]pyrimidine-5-carboxylic acid, 25
- Nifedipine analogues
synthesis and calcium antagonist activity of 1,4-dihydropyridines containing phenylaminoimidazolyl substituents, 1077
- Ninhydrin
application of ninhydrin to spectrophotometric determination of famotidine in drug formulations, 1045
- Nisin
PEGylation of the antimicrobial peptide nisin A: problems and perspectives, 45
- 5-Nitrothiophene
antituberculosis agents VIII: Synthesis and in vitro antimycobacterial activity of alkyl α -[5-(5-nitro-2-thienyl)-1,3,4-thiadiazole-2-ylthio]acetates, 1073
- N*-[(ω -lupinylthio)alkanoyl]phenothiazines
N-Homolupinanoyl and *N*-(ω -lupinylthio)alkanoyl derivatives of some tricyclic systems as ligands for muscarinic M₁ and M₂ receptor subtypes, 669
- NMDA receptor
benzazepine derivative as potent antagonists of the glycine binding site associated to the NMDA receptor, 723
- NMR spectroscopy
conformation by NMR of two tetralin-based receptor ligands, 469
- NNRTIs
anti-HIV agents: design and discovery of new potent RT inhibitors, 259
synthesis and anti-HIV activity of 2,3-diaryl-1,3-thiazolidin-4-ones, 115
- NO
different in vitro activity of flurbiprofen and its enantiomers on human articular cartilage, 1339
effects of leflunomide on human cartilage, 983
synthesis and vasodilating properties of *N*-alkylamide derivatives of 4-amino-3-furoxancarboxylic acid and related azo derivatives, 677
- NO-donors
h₃ receptor ligands: new imidazole H₃-antagonists endowed with NO-donor properties, 279
- Non-steroidal anti-inflammatory agent
a validated method development for ketoprofen by a flow-injection analysis with UV-detection and its application to pharmaceutical formulations, 419
- N*-Piperazinyl quinolones
synthesis and in vitro antibacterial activity of some *N*-(5-aryl-1,3,4-thiadiazole-2-yl)piperazinyl quinolone derivatives, 1023
- NSAIDs
synthesis and prostaglandin synthase inhibitory activity of new aromatic *O*-alkyloxime ethers substituted with methylsulfonamido or methylsulfonyl groups on their aliphatic portion, 707
- N*-substituted-*N*-acyl 4-substituted piperazine-1-thiocarboxamides
synthesis of *N*-substituted-*N*-acylthioureas of 4-substituted piperazines endowed with local anaesthetic, antihyperlipidemic, antiproliferative activities and antiarrhythmic, analgesic, antiaggregating actions, 765

- N*-(*tert*-Aminoalkanoyl)tricyclic systems
N-Homolupinanoyl and *N*-(ω -lupinylthio)alkanoyl derivatives of some tricyclic systems as ligands for muscarinic M₁ and M₂ receptor subtypes, 669
- Nucleoside synthesis
 purine and deazapurine nucleosides: synthetic approaches, molecular modelling and biological activity, 193
- 1,2,3,4,5,6,7,8-Octahydroquinazoline-2,5-diones
 synthesis and in vitro calcium antagonist activity of 4-aryl-7,7-dimethyl/1,7,7-trimethyl-1,2,3,4,5,6,7,8-octahydroquinazoline-2,5-dione derivatives, 17
- Oleogel
 influence of the concentration of a gelling agent and the type of surfactant on the rheological characteristics of oleogels, 1289
- Oleuropein
 in vitro cytotoxicity to human cells in culture of some phenolics from olive oil, 403
- Olivem
 influence of the concentration of a gelling agent and the type of surfactant on the rheological characteristics of oleogels, 1289
- Olive oil
 in vitro cytotoxicity to human cells in culture of some phenolics from olive oil, 403
- Optical biosensor
 inhibition of drug binding to human serum albumin by cholecystographic agents, 901
- 1,3,4-Oxadiazole-2-thiones
 synthesis and anti-inflammatory activity of 5-(6-methyl-2-substituted 4-pyrimidinylloxymethyl)-1,3,4-oxadiazole-2-thiones and their 3-morpholinomethyl derivatives, 323
- Oxaliplatin
 pharmacokinetic study of oxaliplatin iv chronomodulated infusion combined with 5-fluorouracil iv continuous infusion in the treatment of advanced colorectal cancer, 1333
- Oxazolidinones
 synthesis and biological evaluation of enantiomerically pure pyrrolyl-oxazolidinones as a new class of potent and selective monoamine oxidase type A inhibitors, 231
- Oxime derivatives
 synthesis and affinity for serotonin and dopamine transporters of some benzophenone oxime ether derivatives, 977
- Oxotremorine analogues
 synthesis and in vitro pharmacology of novel heterocyclic muscarinic ligands, 739
- Paclitaxel
 docking experiments showing similar recognition patterns of paclitaxel when interacting with different macromolecular targets, 691
- Pancreatic carcinoma
 synthesis and antitumor evaluation of some new substituted amidino-benzimidazolyl-furyl-phenyl-acrylates and naphtho[2,1-*b*]furan-carboxylates, 1319
- Pantoprazole
 determination of pantoprazole by adsorptive stripping voltammetry at carbon paste electrode, 535
- PARP
 towards new neuroprotective agents: design and synthesis of 4*H*-thieno[2,3-*c*] isoquinolin-5-one derivatives as potent PARP-1 inhibitors, 851
- Partially coated perforated system
 a study on the release mechanism of drugs from hydrophilic partially coated perforated matrices, 971
- Pectin
 an in vitro investigation for vaginal bioadhesive formulations: bioadhesive properties and swelling states of polymer mixtures, 391
- Peptide nucleic acids
 structural modifications of antisense oligonucleotides, 243
- Peptides
 preparation and properties of selected Zn(II)-peptide complexes in suspension, 1131
- Percutaneous absorption
 in vitro release studies of chlorpheniramine maleate from gels prepared by different cellulose derivatives, 605
- Peripheral benzodiazepine receptor
 synthesis and biological evaluation of pyridazino[4,3-*b*]indoles and indeno[1,2-*c*]pyridazines as new ligands of central and peripheral benzodiazepine receptors, 129
- P-glycoprotein inhibitors
 in silico screening with benzofurane- and benzopyrane-type MDR-modulators, 185
- Pharmaceutical analysis
 a validated method development for ketoprofen by a flow-injection analysis with UV-detection and its application to pharmaceutical formulations, 419
 determination of pantoprazole by adsorptive stripping voltammetry at carbon paste electrode, 535
 spectrophotometric determination of propranolol in formulations via oxidative coupling with 3-methylbenzothiazoline-2-one hydrazone, 1179
- Pharmaceutical excipients
 the safety of pharmaceutical excipients, 541
- Pharmaceutical formulations
 application of ninhydrin to spectrophotometric determination of famotidine in drug formulations, 1045
- Pharmaceutical preparations
 polarographic behavior and determination of finasteride, 159
 polarographic determination of ciclopirox olamine in pure substance and in different pharmaceutical preparations, 1313
 spectrophotometric determination of propranolol in formulations via oxidative coupling with 3-methylbenzothiazoline-2-one hydrazone, 1179
- Pharmaceutical product
 simple high-performance liquid chromatographic method for the determination of acyclovir in pharmaceuticals, 1301
- Pharmaceuticals
 3-aminophenol as a novel coupling agent for the spectrophotometric determination of sulfonamide derivatives, 1295
 square wave voltammetric determination of the angiotensin-converting enzyme inhibitors cilazapril, quinapril and ramipril in pharmaceutical formulations, 343
- Pharmacokinetic
 determination of a novel angiotensin-AT₁ antagonist CR 3210 in biological samples by HPLC, 837
 pharmacokinetic study of oxaliplatin iv chronomodulated infusion combined with 5-fluorouracil iv continuous infusion in the treatment of advanced colorectal cancer, 1333
- Pharmacological activity
 synthesis and pharmacological properties of *N,N*-dialkyl(di-alkenyl)amides of 7-methyl-3-phenyl-1-[2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl]-2,4-dioxo-1,2,3,4-tetrahydropyrido[2,3-*d*]pyrimidine-5-carboxylic acid, 25
- Phenobarbitone
 determination of two ternary mixtures containing phenobarbitone by second derivative of the ratio spectrum-zero-crossing and HPLC methods, 377
- Phenolic compounds
 in vitro cytotoxicity to human cells in culture of some phenolics from olive oil, 403

- Phenylaminoimidazoles
 synthesis and calcium antagonist activity of 1,4-dihydropyridines containing phenylaminoimidazolyl substituents, 1077
- Phenylpiperazinyll
 synthesis of 3- or 4-phenyl-1,8-naphthyridine derivatives and evaluation of antimycobacterial and antimicrobial activity, 859
- Phosphonoacetamido(oxy)
 synthesis of aniline-type analogues of farnesyl diphosphate and their biological assays for prenyl protein transferase inhibitory activity, 1277
- Photodegradation
 multivariate least squares regression applied to the spectrophotometric analysis of manidipine and its main photoproduct, 909
- Photostability
 photostability studies on the furosemide-triamterene drug association, 867
- pH-Partition profiles
 pH-Partition profiles of 4-(3-oxo-1,2-benzisothiazolin-2-yl)phenyl and phenoxyalkanoic acids, 989
- 3,3'-(1-Piperidino) substituted methylene-bis-isoxazoles
 synthesis of 3,3'-(1-piperidino)substituted methylene-bis-isoxazoles preventing stimulus-induced leukocytes activation, 121
- Piperidinyl
 synthesis of 3- or 4-phenyl-1,8-naphthyridine derivatives and evaluation of antimycobacterial and antimicrobial activity, 859
- Piracetam-like drugs
 2-pyrrolidinone moiety is not critical for the cognition-enhancing activity of piracetam-like drugs, 715
- Piribedil
 quantitative determination of some pharmaceutical piperazine derivatives through complexation with iron(III) chloride, 573
- pK_a
 pH-Partition profiles of 4-(3-oxo-1,2-benzisothiazolin-2-yl)phenyl and phenoxyalkanoic acids, 989
- Plant
 preliminary biological assay on cerebroside mixture from *Euphorbia nicaeensis* All. Isolation and structure determination of five glucocerebrosides, 809
- Plastic membrane
 determination of ambroxol hydrochloride in pure solutions and some of its pharmaceutical preparations under batch and FIA conditions, 581
- Platelet antiaggregating and antiproliferative activities
 synthesis of *N*-substituted-*N*-acylthioureas of 4-substituted piperazines endowed with local anaesthetic, antihyperlipidemic, antiproliferative activities and antiarrhythmic, analgesic, antiaggregating actions, 765
- Polar group
 the role of HB-donor groups in the heterocyclic polar fragment of H₃-antagonists. I. Synthesis and biological assays, 891
- Polarography
 polarographic behavior and determination of finasteride, 159
 polarographic determination of ciclopirox olamine in pure substance and in different pharmaceutical preparations, 1313
 polarographic determination of flubendazole in spiked human urine and plasma, 613
- Poly(ethylene glycol)
 improvement of physicochemical and biopharmaceutical properties of theophylline by poly(ethylene glycol) conjugates, 1307
 PEGylation of the antimicrobial peptide nisin A: problems and perspectives, 45
- Poly(DL-lactide-co-glycolide)
 sustained release of bupivacaine from devices based on chitosan, 1187
- Polynomial regression
 determination of thiocolchicoside in its binary mixtures (thiocolchicoside-glafenine and thiocolchicoside-floctafenine) by TLC-densitometry, 463
- Potential antifolate agents
 quinoxaline chemistry. Part 16. 4-Substituted anilino and 4-substituted phenoxyethyl pyrrolo[1,2-a]quinoxalines and *N*-[4-(pyrrolo[1,2-a]quinoxalin-4-yl)amino and hydroxymethyl] benzoyl glutamates. Synthesis and evaluation of in vitro biological activity, 639
- Potentiometry and conductimetry
 determination of ambroxol hydrochloride in pure solutions and some of its pharmaceutical preparations under batch and FIA conditions, 581
- Prodrug
 proline analogue of melphalan as a prodrug susceptible to the action of prolidase in breast cancer MDA-MB 231 cells, 1113
- Prolidase
 proline analogue of melphalan as a prodrug susceptible to the action of prolidase in breast cancer MDA-MB 231 cells, 1113
- Proline analogue of melphalan
 proline analogue of melphalan as a prodrug susceptible to the action of prolidase in breast cancer MDA-MB 231 cells, 1113
- Proline dipeptides
 structural characterization of a dipeptide compound with immunostimulant activity: 3-(5-thioxo-L-prolyl)-L-thiazolidine-4-carboxylic acid, 883
- Propranolol
 spectrophotometric determination of propranolol in formulations via oxidative coupling with 3-methylbenzothiazoline-2-one hydrazone, 1179
 synthesis, β -adrenergic blocking activity and β -receptor binding affinities of 1-substituted-3-(2-isopropyl-5-methyl-phenoxy)propan-2-ol oxalates, 557
- Pseudoreceptor modeling
 3D QSAR studies for the β -tubulin binding site of microtubule-stabilizing anticancer agents (MSAAs): A pseudoreceptor model for taxanes based on the experimental structure of tubulin, 659
 3D QSAR studies of the interaction between β -tubulin and microtubule stabilizing antimetabolic agents (MSAA). A combined pharmacophore generation and pseudoreceptor modeling approach applied to taxanes and epothilones, 357
- Pyrazole derivatives
 4-substituted 1,5-diarylpyrazole, analogues of celecoxib: synthesis and preliminary evaluation of biological properties, 795
- Pyrazolyl-acetanilides
 new substituted 2-(pyrazol-1-yl)-dialkylacetanilides with potential local anesthetic and antiarrhythmic action. Part II, 301
- Pyridazino[4,3-b]indoles
 synthesis and biological evaluation of pyridazino[4,3-b]indoles and indeno[1,2-c]pyridazines as new ligands of central and peripheral benzodiazepine receptors, 129
- 2-[5-(Pyridin-2-yl)-1,3,4-thiadiazol-2-ylthio]acetic acid (3,4-diaryl-3H-thiazol-2-ylidene)-hydrazide derivatives
 synthesis and antimycobacterial activity of (3,4-diaryl-3H-thiazol-2-ylidene)-hydrazide derivatives, 631
- Pyrido[2,3-*d*]pyrimidines
 synthesis and pharmacological properties of *N,N*-dialkyl(dialkenyl)amides of 7-methyl-3-phenyl-1-[2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl]-2,4-dioxo-1,2,3,4-tetrahydro-pyrido[2,3-*d*]pyrimidine-5-carboxylic acid, 25

- Pyrimidine-2,4-dione derivatives
antiparasitic activity of highly conjugated pyrimidine-2,4-dione derivatives, 1263
- Pyrimido[2,1-f]theophyllines
pyrimidin-8-on[2,1-f]theophylline-9-alkylcarboxylic acids amides as A₁ and A_{2A} adenosine receptor ligands, 439
- Pyrrole scaffold
2,4-dicarboxy-pyrroles as selective non-competitive mGluR1 antagonists: an exploration of the role of the pyrrolic scaffold, 1005
- Pyrrolidine-2,5-dione
synthesis and anticonvulsant properties of new *N*-[(4-arylpiperazin-1-yl)-methyl] derivatives of 3-aryl pyrrolidine-2,5-dione and 2-aza-spiro[4.4]nonane-1,3-dione, 1227
- Pyrrolidinols
synthesis and pharmacological evaluation of new *N*-methyl-arylpyrrolidinols with analgesic activity, 939
- 2-Pyrrolidinone
2-pyrrolidinone moiety is not critical for the cognition-enhancing activity of piracetam-like drugs, 715
- Pyrrolo[1,2-a]quinoxalines
quinoxaline chemistry. Part 16. 4-Substituted anilino and 4-substituted phenoxymethyl pyrrolo[1,2-a]quinoxalines and *N*-[4-(pyrrolo[1,2-a]quinoxalin-4-yl)amino and hydroxymethyl] benzoyl glutamates. Synthesis and evaluation of in vitro biological activity, 639
- QSAR
a novel potentiometric approach for detection of beta-adrenergics and beta-adrenolytics in high-performance liquid chromatography, 591
anticancer bisquaternary heterocyclic compounds: a *ras*-ional design, 221
comparative QSAR of the sulfonamide function, 625
- Quality assessment
simple high-performance liquid chromatographic method for the determination of acyclovir in pharmaceuticals, 1301
- Quality control
ibuprofen quality control by electrochromatography, 699
- Quasi-emulsion solvent diffusion method
preparation and in vitro evaluation of modified release ketoprofen microsponges, 101
- Quinapril
square wave voltammetric determination of the angiotensin-converting enzyme inhibitors cilazapril, quinapril and ramipril in pharmaceutical formulations, 343
- Quinazoline compounds
searching for cyclazosin analogues as α_{1B} -adrenoceptor antagonists, 477
- Quinolizidine alkaloids
cytisine derivatives as ligands for neuronal nicotine receptors and with various pharmacological activities, 265
- Quinolizidine derivatives
N-Homolupinanoyl and *N*-(ω -lupinylthio)alkanoyl derivatives of some tricyclic systems as ligands for muscarinic M₁ and M₂ receptor subtypes, 669
- Quinoxalines
quinoxalin-2-ones: Part 5. Synthesis and antimicrobial evaluation of 3-alkyl-, 3-halomethyl- and 3-carboxyethylquinoxaline-2-ones variously substituted on the benzo-moiety, 1251
- 2-Quinoxalinones
quinoxalin-2-ones: Part 5. Synthesis and antimicrobial evaluation of 3-alkyl-, 3-halomethyl- and 3-carboxyethylquinoxaline-2-ones variously substituted on the benzo-moiety, 1251
- Rabbit aortic rings
synthesis and structure of novel 2,3, 5,6-tetrahydro-1*H*-imi-
dazo[2,1-b][1,3,5]benzotriazepines with vasocontractile activity in rabbit aortic rings, 1171
- Ramipril
square wave voltammetric determination of the angiotensin-converting enzyme inhibitors cilazapril, quinapril and ramipril in pharmaceutical formulations, 343
- σ_R and σ_R^+ parameters
anticancer bisquaternary heterocyclic compounds: a *ras*-ional design, 221
- Ratio spectra first derivative spectrophotometry
kinetic study of alkaline induced hydrolysis of the skeletal muscle relaxant chlorzoxazone using ratio spectra first derivative spectrophotometry, 337
- RDX
determination of cyclonite (RDX) in human plasma by high-performance liquid chromatography, 445
- Receptor
synthesis and antagonistic activity at muscarinic receptor subtypes of some derivatives of diphenidol, 651
- Rectal administration
in vitro drug liberation and kinetics of sustained release indomethacin suppository, 509
- Release area
a study on the release mechanism of drugs from hydrophilic partially coated perforated matrices, 971
- Release mechanism
a study on the release mechanism of drugs from hydrophilic partially coated perforated matrices, 971
- Reperfusion injuries
synthesis of 3,3'-(1-piperidino)substituted methylene-bis-isoxazoles preventing stimulus-induced leukocytes activation, 121
- Rheology
coagels from alkanoyl-6-O-ascorbic acid derivatives as drug carriers: structure and rheology, 1271
- Rifampicin
in vitro evaluation of food effect on the bioavailability of rifampicin from antituberculosis fixed dose combination formulations, 1099
- RP-HPLC
determination of a novel angiotensin-AT₁ antagonist CR 3210 in biological samples by HPLC, 837
stability indicating methods for the determination of aceclofenac, 91
- RSD₁ spectrophotometry
stability indicating methods for the determination of aceclofenac, 91
- Safety
the safety of pharmaceutical excipients, 541
- SAR
synthesis and antagonistic activity at muscarinic receptor subtypes of some derivatives of diphenidol, 651
- SARs studies
4-amino-3(2*H*)-pyridazinones bearing arylpiperazinylalkyl groups and related compounds: synthesis and antinociceptive activity, 1063
- Schiff bases
novel thiazolyl, thiazolanyl and benzothiazolyl Schiff bases as possible lipoxigenase's inhibitors and anti-inflammatory agents, 489
- Second derivative of the ratio spectrum
determination of two ternary mixtures containing phenobarbitone by second derivative of the ratio spectrum-zero-crossing and HPLC methods, 377
- 1,2,3-Selenadiazole
synthesis and in vitro antifungal and cytotoxicity evaluation of substituted 4,5-dihydronaphtho[1,2-*d*][1,2,3]thia(or seleno)diazoles, 63

- Sequential injection analysis
determination of bopindolol by sequential injection technique with spectrophotometric detection, 1057
- Serotonin
synthesis and affinity for serotonin and dopamine transporters of some benzophenone oxime ether derivatives, 977
- Sertraline hydrochloride
rapid and simple methods for quantitative analysis of some antidepressant in pharmaceutical formulations by using first derivative spectrophotometry and HPLC, 1209
- Serum
spectrofluorimetric determination of velnacrine in human serum and urine, 1257
- (S)-(+)-Flurbiprofen
different in vitro activity of flurbiprofen and its enantiomers on human articular cartilage, 1339
- Sodium alginate
investigations on mefenamic acid sustained release tablets with water-insoluble gel, 397
- Sodium cholate
mucoadhesive microspheres containing gentamicin sulfate for nasal administration: preparation and in vitro characterization, 11
- Spectrofluorimetry
a new spectrofluorimetric method for the determination of lisinopril in tablets, 165
spectrofluorimetric determination of velnacrine in human serum and urine, 1257
- Spectrophotometry
3-aminophenol as a novel coupling agent for the spectrophotometric determination of sulfonamide derivatives, 1295
application of ninhydrin to spectrophotometric determination of famotidine in drug formulations, 1045
four simple procedures for the assay of methdilazine in bulk drug and in tablets and syrup using potassium iodate, 285
quantitative determination of some pharmaceutical piperazine derivatives through complexation with iron(III) chloride, 573
sensitive spectrophotometric determination of amlodipine and felodipine using iron(III) and ferricyanide, 141
spectrophotometric determination of fenoterol hydrobromide in pure form and dosage forms, 1033
two simple methods for the estimation of albendazole and its dosage forms using chloramine-T, 527
- Spectroscopy
spectrophotometric determination of propranolol in formulations via oxidative coupling with 3-methylbenzothiazoline-2-one hydrazone, 1179
- Spiked plasma
polarographic determination of flubendazole in spiked human urine and plasma, 613
- Spiked urine
polarographic determination of flubendazole in spiked human urine and plasma, 613
- Spirolactone
spectrophotometric quantitative resolution of hydrochlorothiazide and spironolactone in tablets by chemometric analysis methods, 1151
- Spirosuccinimides
synthesis and anticonvulsant properties of new *N*-[(4-arylpiperazin-1-yl)-methyl] derivatives of 3-aryl pyrrolidine-2,5-dione and 2-aza-spiro[4.4]nonane-1,3-dione, 1227
- Spray drying
mucoadhesive microspheres containing gentamicin sulfate for nasal administration: preparation and in vitro characterization, 11
- Square wave voltammetry
square wave voltammetric determination of the angiotensin-converting enzyme inhibitors cilazapril, quinapril and ramipril in pharmaceutical formulations, 343
- Stability
a validated spectrophotometric and liquid chromatography method for determination and purity evaluation of 4-methoxy-2-[2-hydroxy-3(4-phenyl-1-piperazinyl)]propyl-2,3-dihydro-6-methyl-1,3-dioxo-1*H*-pyrrolo[3,4-*c*]pyridine, 513
- Stability in the solid phase
kinetics of cefamandole nafate degradation in solid phase, 309
- Stability study
kinetic study of alkaline induced hydrolysis of the skeletal muscle relaxant chlorzoxazone using ratio spectra first derivative spectrophotometry, 337
- Steroid receptors
synthesis and relative binding affinity to human steroid receptors of substituted 3-aryloxycoumarins, 1201
- Stopped flow technique
determination of bopindolol by sequential injection technique with spectrophotometric detection, 1057
- Stress
effects of the vasoactive intestinal peptide on stress-induced mucosal ulcers and modulation of methylation of histamine in gastric tissue of the rats, 449
- Stress-induced gastric ulcers
effects of the vasoactive intestinal peptide on stress-induced mucosal ulcers and modulation of methylation of histamine in gastric tissue of the rats, 449
- Structural studies
structural characterization of a dipeptide compound with immunostimulant activity: 3-(5-thioxo-L-prolyl)-L-thiazolidine-4-carboxylic acid, 883
- Structure-activity relationship
synthesis and anti-measles virus activity of new isoquinolin-4-one derivatives, 1217
- Structure-activity relationship
in silico screening with benzofurane- and benzopyrane-type MDR-modulators, 185
- Structure-activity relationships
substituted 5-arylpyrazine-2-carboxylic acid derivatives: synthesis and biological activity, 1105
synthesis and biological evaluation of pyridazino[4,3-*b*]indoles and indeno[1,2-*c*]pyridazines as new ligands of central and peripheral benzodiazepine receptors, 129
- Styrylbenzofuran
synthesis of styrylbenzofuran derivatives as styrylquinoline analogues for HIV-1 integrase inhibitor, 1243
- Sulfa drugs
3-aminophenol as a novel coupling agent for the spectrophotometric determination of sulfonamide derivatives, 1295
- Superoxide anion
synthesis of 3,3'-(1-piperidino)substituted methylene-bis-isoxazoles preventing stimulus-induced leukocytes activation, 121
- Suppository
in vitro drug liberation and kinetics of sustained release indomethacin suppository, 509
- Surfactants
coagels from alkanoyl-6-*O*-ascorbic acid derivatives as drug carriers: structure and rheology, 1271
- Suspension
preparation and properties of selected Zn(II)-peptide complexes in suspension, 1131
- Suspensions
gas chromatographic method for determining very long chain fatty acids that compose D003 in aqueous suspensions from 20 to 200 mg/ml, used in pharmacological and toxicological studies, 521

- Sustained release
 investigations on mefenamic acid sustained release tablets with water-insoluble gel, 397
 in vitro drug liberation and kinetics of sustained release indomethacin suppository, 509
- Swelling volume
 an in vitro investigation for vaginal bioadhesive formulations: bioadhesive properties and swelling states of polymer mixtures, 391
- Synthesis
 4-amino-3(2*H*)-pyridazinones bearing arylpiperazinylalkyl groups and related compounds: synthesis and antinociceptive activity, 1063
 an alternative procedure for preparation of cefdinir, 409
 an improved method for preparation of cefpodoxime proxetil, 363
 synthesis and anti-measles virus activity of new isoquinolin-4-one derivatives, 1217
 synthesis and hypoglycemic activity of some substituted flavonyl thiazolidinedione derivatives—fifth communication: flavonyl benzyl substituted 2,4-thiazolidinediones, 79
 synthesis and in vitro calcium antagonist activity of 4-aryl-7,7-dimethyl-1,7,7-trimethyl-1,2,3,4,5,6,7,8-octahydroquinazolin-2,5-dione derivatives, 17
 synthesis and pharmacological properties of *N,N*-dialkyl(dialkenyl)amides of 7-methyl-3-phenyl-1-[2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl]-2,4-dioxo-1,2,3,4-tetrahydropyrido[2,3-*d*]pyrimidine-5-carboxylic acid, 25
 synthesis and structure of novel 2,3, 5,6-tetrahydro-1*H*-imidazo[2,1-*b*][1,3,5]benzotriazepines with vasocontractile activity in rabbit aortic rings, 1171
 synthesis, X-ray crystal structure and biological properties of acetylenic flavone derivatives, 875
- Synthesis of [¹²⁵I]CGP84963
 ligands for expression cloning and isolation of GABA_B receptors, 173
- Synthetic vaccine
 synthesis of new P₃CS derivatives and their mitogenic activity on in vitro mice splenocytes, 329
- Tablet
 spectrophotometric quantitative resolution of hydrochlorothiazide and spironolactone in tablets by chemometric analysis methods, 1151
- Tablets and creams
 quantitative determination of some pharmaceutical piperazine derivatives through complexation with iron(III) chloride, 573
- D-tartaric acid derivatives
 synthesis and anti-HIV activity of new C₂ symmetric derivatives designed as HIV-1 protease inhibitors, 149
- Taurine
 synthesis and activity of HCO–Met–Leu–Phe–OMe analogues containing β-alanine or taurine at the central position, 1121
- Taxanes
 3D QSAR studies for the β-tubulin binding site of microtubule-stabilizing anticancer agents (MSAAs): A pseudoreceptor model for taxanes based on the experimental structure of tubulin, 659
 3D QSAR studies of the interaction between β-tubulin and microtubule stabilizing antimitotic agents (MSAA). A combined pharmacophore generation and pseudoreceptor modeling approach applied to taxanes and epothilones, 357
- Tecoma stans*
 isolation and pharmacological activities of the *Tecoma stans* alkaloids, 781
- Ternary mixture
 determination of two ternary mixtures containing phenobarbitone by second derivative of the ratio spectrum-zero-crossing and HPLC methods, 377
- 2,3,5,6-Tetrahydro-1*H*-imidazo[2,1-*b*][1,3,5]benzotriazepines
 synthesis and structure of novel 2,3, 5,6-tetrahydro-1*H*-imidazo[2,1-*b*][1,3,5]benzotriazepines with vasocontractile activity in rabbit aortic rings, 1171
- Tetralin synthesis
 conformation by NMR of two tetralin-based receptor ligands, 469
- Tetraphenylborate
 determination of ambroxol hydrochloride in pure solutions and some of its pharmaceutical preparations under batch and FIA conditions, 581
- Theophylline
 improvement of physicochemical and biopharmaceutical properties of theophylline by poly(ethylene glycol) conjugates, 1307
- Thermodynamic parameters
 kinetics of cefamandole nafate degradation in solid phase, 309
- 1,3,4-Thiadiazole
 antituberculosis agents VIII: Synthesis and in vitro antimycobacterial activity of alkyl α-[5-(5-nitro-2-thienyl)-1,3,4-thiadiazole-2-ylthio]acetates, 1073
- 1,2,3-Thiadiazole
 synthesis and in vitro antifungal and cytotoxicity evaluation of substituted 4,5-dihydronaphtho[1,2-*d*][1,2,3]thia(or seleno)diazoles, 63
- Thiocolchicoside
 determination of thiocolchicoside in its binary mixtures (thiocolchicoside–glafenine and thiocolchicoside–floctafenine) by TLC–densitometry, 463
- Thioctic acid
 kinetic spectrophotometric determination of some sulfur containing compounds in pharmaceutical preparations and human serum, 1325
- Thioimide
 tumor necrosis factor-α production-regulating activity of phthalimide derivatives in genetically modified murine melanoma cells B78H1, 371
- Thiouracil
 conformationally restrained ceramide analogues: effects of lipophilic modifications on the antiproliferative activity, 85
- Thioureidic compounds
 antioxidant activity of thioureidic derivatives I, 823
- THPI cells
 antiparasitic activity of highly conjugated pyrimidine-2,4-dione derivatives, 1263
- Thrombosis
 competitive interfacial adsorption of blood proteins, 1017
- Thymol
 synthesis, β-adrenergic blocking activity and β-receptor binding affinities of 1-substituted-3-(2-isopropyl-5-methyl-phenoxy)propan-2-ol oxalates, 557
- Tianeptine analogues
 neuropharmacological study of hetero[2,1]benzothiazepine derivatives analogues of tianeptine, 1
- Titrimetry
 four simple procedures for the assay of methdilazine in bulk drug and in tablets and syrup using potassium iodate, 285
 two simple methods for the estimation of albendazole and its dosage forms using chloramine-T, 527
- TLC
 a validated spectrophotometric and liquid chromatography method for determination and purity evaluation of 4-methoxy-2-[2-hydroxy-3(4-phenyl-1-piperazinyl)]propyl-2,3-dihydro-6-methyl-1,3-dioxo-1*H*-pyrrolo[3,4-*c*]pyridine, 513

- TLC-densitometry
stability indicating methods for the determination of aceclofenac, 91
- TLC-densitometry
determination of thiocolchicoside in its binary mixtures (thiocolchicoside–glafenine and thiocolchicoside–floctafenine) by TLC–densitometry, 463
- TNF- α
tumor necrosis factor-alpha production-regulating activity of phthalimide derivatives in genetically modified murine melanoma cells B78H1, 371
- Topoisomerase I
some new bi- and ter-benzimidazole derivatives as topoisomerase I inhibitors, 497
- Toxicity
antiparasitic activity of highly conjugated pyrimidine-2,4-dione derivatives, 1263
the safety of pharmaceutical excipients, 541
- Tramadol
validation of a GC/MS method for the determination of tramadol in human plasma after intravenous bolus, 947
- Transmissible spongiform encephalopathies (TSE)
congo red analogues as potential anti-prion agents, 929
- TRH
preparation and properties of selected Zn(II)–peptide complexes in suspension, 1131
- Triamterene
photostability studies on the furosemide–triamterene drug association, 867
- 1,2,3-Triazolo[4,5-d]pyrimidines
characterization and preliminary use of 1-, 2- and 3-methyl-5-phenyl-7-chloro-1,2,3-triazolo[4,5-d]pyrimidine as reaction intermediates, 551
- 1,2,3-Triazolo[4,5-e]1,2,4-triazolo
characterization and preliminary use of 1-, 2- and 3-methyl-5-phenyl-7-chloro-1,2,3-triazolo[4,5-d]pyrimidine as reaction intermediates, 551
- Tricyclic pyrazole
chromophore-modified bis-benzo[g]indole carboxamides: synthesis and antiproliferative activity of bis-benzo[g]indazole-3-carboxamides and related dimers, 749
- Tricyclic theophylline derivatives
pyrimidin-8-on[2,1-f]theophylline-9-alkylcarboxylic acids amides as A₁ and A_{2A} adenosine receptor ligands, 439
- Triglycerides
synthesis and hypolipidemic activity of *N*-substituted phthalimides. Part V, 1283
- Trimetazidine hydrochloride
quantitative determination of some pharmaceutical piperazine derivatives through complexation with iron(III) chloride, 573
- Tripalmitoyl-*S*-glyceryl-Cys-Ser derivative
synthesis of new P₃CS derivatives and their mitogenic activity on in vitro mice splenocytes, 329
- Tryptophan metabolism
enzyme activities of tryptophan metabolism along the kynurenine pathway in various species of animals, 829
- Tuberculostatic agents
synthesis of 3- or 4-phenyl-1,8-naphthyridine derivatives and evaluation of antimycobacterial and antimicrobial activity, 859
- Tuberculostatics
3-benzyl-2*H*-1,3-benzoxazine-2,4(3*H*)-diones, a new group of antimycobacterial compounds against potentially pathogenic strains, 1137
- Tubulin
docking experiments showing similar recognition patterns of paclitaxel when interacting with different macromolecular targets, 691
- 3D QSAR studies for the β -tubulin binding site of microtubule-stabilizing anticancer agents (MSAAs): A pseudoreceptor model for taxanes based on the experimental structure of tubulin, 659
- 3D QSAR studies of the interaction between β -tubulin and microtubule stabilizing antimitotic agents (MSAA). A combined pharmacophore generation and pseudoreceptor modeling approach applied to taxanes and epothilones, 357
- Tumor immunotherapy
synthesis of new P₃CS derivatives and their mitogenic activity on in vitro mice splenocytes, 329
- Tumor xenograft
ceramide analogues in apoptosis: a new strategy for anticancer drug development, 205
- Two-way ANOVA
determination of thiocolchicoside in its binary mixtures (thiocolchicoside–glafenine and thiocolchicoside–floctafenine) by TLC–densitometry, 463
- Uncompetitive antagonists
binding modes of noncompetitive AMPA antagonists: a computational approach, 107
- Uracil
conformationally restrained ceramide analogues: effects of lipophilic modifications on the antiproliferative activity, 85
- Urethanic bond
synthesis and activity of novel glutathione analogues containing an urethane backbone linkage, 787
- Urine
spectrofluorimetric determination of velnacrine in human serum and urine, 1257
spectrophotometric determination of labetalol in pharmaceutical preparations and spiked human urine, 293
- UV
a validated spectrophotometric and liquid chromatography method for determination and purity evaluation of 4-methoxy-2-[2-hydroxy-3(4-phenyl-1-piperazinyl)]propyl-2,3-dihydro-6-methyl-1,3-dioxo-1*H*-pyrrolo[3,4-*c*]pyridine, 513
- UV sunscreen
a novel sunscreen agent having antimelanoma activity, 1163
- Vaginal administration
an in vitro investigation for vaginal bioadhesive formulations: bioadhesive properties and swelling states of polymer mixtures, 391
- Validation
gas chromatographic method for determining very long chain fatty acids that compose D003 in aqueous suspensions from 20 to 200 mg/ml, used in pharmacological and toxicological studies, 521
validation of a GC/MS method for the determination of tramadol in human plasma after intravenous bolus, 947
- Variamine blue
four simple procedures for the assay of methdilazine in bulk drug and in tablets and syrup using potassium iodate, 285
- Vasoactive intestinal peptide
effects of the vasoactive intestinal peptide on stress-induced mucosal ulcers and modulation of methylation of histamine in gastric tissue of the rats, 449
- Vasodilation
synthesis and vasodilating properties of *N*-alkylamide derivatives of 4-amino-3-furoxancarboxylic acid and related azo derivatives, 677

- Velnacrine
spectrofluorimetric determination of velnacrine in human serum and urine, 1257
- Virucides
functionalized alkyl and aryl diselenides as antimicrobial and antiviral agents: synthesis and properties, 1235
- Viscosity
chromophore-modified bis-benzo[g]indole carboxamides: synthesis and antiproliferative activity of bis-benzo[g]indazole-3-carboxamides and related dimers, 749
influence of the concentration of a gelling agent and the type of surfactant on the rheological characteristics of oleogels, 1289
- Voltammetry.
polarographic determination of ciclopirox olamine in pure substance and in different pharmaceutical preparations, 1313
- Voltammetry
determination of pantoprazole by adsorptive stripping voltammetry at carbon paste electrode, 535
polarographic determination of flubendazole in spiked human urine and plasma, 613
- Wittig reaction
synthesis of styrylbenzofuran derivatives as styrylquinoline analogues for HIV-1 integrase inhibitor, 1243
- X-ray structure analysis
synthesis and structure of novel 2,3, 5,6-tetrahydro-1*H*-imidazo[2,1-*b*][1,3,5]benzotriazepines with vasocontractile activity in rabbit aortic rings, 1171
- X-ray structures
synthesis, X-ray crystal structure and biological properties of acetylenic flavone derivatives, 875
- Zero-order kinetics
a study on the release mechanism of drugs from hydrophilic partially coated perforated matrices, 971
- Zn(II)
preparation and properties of selected Zn(II)–peptide complexes in suspension, 1131
- Zn(II)–peptide complex
preparation and properties of selected Zn(II)–peptide complexes in suspension, 1131
- Zwitterionic oligonucleotides
structural modifications of antisense oligonucleotides, 243