

SUBJECT INDEX

- 5-Acetamido-6-amino-3-methyluracil 693
5-Acetamido-6-formylamino-3-methyluracil 693
Acetaminophen 841
Acetazolamide 169
Acetylcholine 345
Achyrocline satureioides 771
Alendronate 1215
Amadori rearrangement 917
Amino acids 475, 581
7-Aminoflunitrazepam 1173
Aminoglycosides 795
Amino sugars 475
Amoxicillin 1205
Anabolic 87
Analysis 365, 925
Analysis of pharmaceuticals 227
 β - and β -Hydroxypropyl cyclodextrins 761
Aniline metabolism 875
Antibacterial 447
Antibacterial drug 217
Antibiotics 795
Antiepileptic drugs 517
Antihistaminic drugs 1041
Antihypertensives 125
Antiobesity 379
Aprobarbital 903
 β -Artemether liposomes 13
Artificial neural networks 581
Ascorbic acid 849, 1221
Assay 155
AT₁ antagonists 125
Atomic absorption spectrometry 311
Atomic spectroscopy 463
Automated metabolite identification software 945
Automated titration 1221

Bark 447
Base-decomposition 1101
Bcr-Abl 1183

Benzoic acid 261
Benzophenone 613
Benzophenone-3 57
Berberine 355
Betamethasone disodium phosphate 629
Bioavailability 711
Bioequivalency 711
Biological fluids 559
Biological samples 331
Blood in urine 501
Bopindolol 509
Boron-doped diamond thin film electrode 841
B201 polypeptide 601
Bradykinin antagonist 601
Bromophenol blue 173
5-Bromo-6-propyluracil 303

Caffeine 591, 693
Capillary electrophoresis 475, 983, 1161
Capillary zone electrophoresis 107
Carbamazepine 517
Carbendazim 65
Carbon paste electrode 909
Carotid artery 345
CBQCA derivatives 475
Cefadroxil 1205
Cefoperazone 1205
Cefprozil 1205
Ce (IV) 1205
Celecoxib 493, 741
Cell stability 701
Cephalosporins 795
Cerium 331
Cervical mucus 827
CGP 74588 1183
Chelators 323
Chemical conversion 701
Chemical inhibition 945
Chemical method 501
Chemiluminescence 683

- Chemometric methods 591, 1091
Chemometrics 251
Chinese material medicine 621
Chiral chromatography 487
Chiral HPLC 287
Chiral lanthanide shift reagent 1061
Chiral separation 107
(±)-2-[4-(7-Chloro-2-quinoxaliny) oxy]phenoxy propionic acid 287
Chlorphenoxamine hydrochloride 591
Chromatographic response function 385
Chromatography 421
Chromotrope 2B 373
Chromotrope 2R 373
Cinnarizine assay 711
Cinnarizine photo- and acid-degradation products 711
Ciprofloxacin 559
Classical least-squares 779
Clopidogrel 431
Coating analysis 935
Colorimetric assay 209
Column switching 23
Column-switching HPLC 97
Column trapping 23
Complexation 819
Complex formation 1215
Coptis chinensis Franch 355
Cosmetics 261
Coulometric detection 1
Critical issues 1011
Cyano column 45
Cyclic voltammetry 753, 841
γ-Cyclodextrin 973
β-Cyclodextrin 973
β-cyclodextrin bonded chiral phase 97
Cyclodextrins 217
CYP450 945
CZE 365
- Dansyl derivatives of *rac*-aminoglutethimide and fluorecamine derivatives of *rac*-amino glutethimide 487
DBH, dibromantin 81, 303
Decomposition methods 463
Degradation 887
Degradation products 453
Dehydroacetic acid 261
Delorazepam 965
Densitometry 1041
Densitometry 227
Derivative ratio 1041
Derivative ratio spectra spectrophotometry 391
Derivative spectrophotometry 187, 569
Derivatization 637
Desipramine hydrochloride 501
Desorption conditions 965
Detection 501
Determination 569, 753
Development 155, 1011
Diazotisation 527
1,3-Dibromo-5,5-dimethylhydantoin 337
1,3-dibromo-5,5-dimethylhydantoin, 1,3-dibromo-5,5-dimethyl-2,4-imidazolidinedione [77-48-5] 81
1,3-Dibromo-5,5-dimethylhydantoin, 1,3-dibromo-5,5-dimethyl-2,4-imidazolidinedione [77-48-5] propylthiouracil [51-52-5] 303
1,3-Dibromo-5,5-dimethyl-2,4-imidazolidinedione [77-48-5] 337
1-(2,6-dichlorophenyl)indolin-2-one 227
2,6-Dichloroquinone chlorimide (DCQ) 1127
Diclofenac 227
Differential pulse voltammetry 753, 909
Differential scanning calorimetry 973
Diffuse reflectance 145
1,4-dihydropyridines 887
Diloxanide furoate 187
Diphepanil methylsulfate 811
Direct serum/urine injection 97
Direct titration 849
Dissolution 1081
Dissolution calibrator 1081
Diuretic 721
DNA 217
Dorzolamide hydrochloride 391
Dosage form 493
Doxorubicin peptide conjugate 137
Droperidol 453
Drug delivery 269
Drug discovery 945
Drug metabolism 23, 945
- E. coli* host cell proteins 953
EDTA 1073
Efavirenz 45, 925
Electrochemistry 345
Electrooxidation 753
Electrospray MS–MS 199
ELISA 693, 953
Emblin myrobolan 849

- Enalapril maleate 311
Enantiomeric separation 487
Enantioselective determination 97
Enantioselective NMR 1061
Encapsulated intravenous lipid formulation 295
Endothelium 345
End-point determination 137
Enrofloxacin 173, 1195
Enteric coating 935
Eprosartan 125
 β -estradiol 753
Excretion 659
Experimental design 45, 1161
Extraction fraction 269
- Fe (III) 1205
Ferromagnetic particles 323
Fertility 827
Fingerprint 537
Flavonoids 621, 771
Flow analysis 1221
Flow injection-solid phase spectroscopy 399
Flow injection with amperometric detection 841
Flow sensor 683
Flow-through optosensors 399
Fluconazole 645
Flunitrazepam 1173
9-fluorenylmethyl ester deprotection 137
Fluorescence 819, 925
Fluorescence detection 559
Fluorimetric flow-through sensor 721
Fluoroquinolone 1195
5-Fluorouracil 857
5-Fluorouridine 857
Fluprostenol 199
 ^{19}F NMR 875
Formation constants and stoichiometry 761
Free captopril 549
Free radical 355
Freeze-dried drug product 867
FT-IR spectroscopy 137
FT-Raman spectroscopy 1135
FUMI theory 421
- Garcinia indica* 379
Garcinia schomburgkiana Pierre 849
Gas chromatography 155, 673
GC/MS 729
Gel extrusion module 673
GleevecTM 1183
- Glibenclamide 653
GSH-SBDF 637
Guava 849
- ^1H - and ^{19}F -NMR spectroscopy 31
Hemodialysis 209
Hierarchical upgma-clustering 537
Highly sulfated β -cyclodextrin 107
High-performance capillary electrophoresis (HPCE) 1005
High performance liquid chromatography 621, 629, 711
High-performance liquid chromatography 181
High performance liquid chromatography 1073, 1173
High performance thin layer chromatography 385
High-throughput screening 73
Homogeneous time-resolved fluorescence 73
Hot stage microscopy 973
HPLC 169, 295, 365, 447, 517, 637, 645, 693, 795, 857, 887, 917, 925, 991, 1041, 1055, 1195, 1201
HPLC determination 653
HPLC-FLD 549
HPLC-fluorescence detection 487
HPLC-NMR 875
HPLC-NMR-MS 23
HPLC-UV analysis 13
HPTLC 789
Human plasma 549, 729, 903
Hydrogen peroxide 355
Hydrolysis 887
(-)-Hydroxycitric acid 379
2-Hydroxyglutaric aciduria 1061
Hygroscopic 867
Hypericum perforatum 439
- Imatinib mesylate 1183
Imipramine hydrochloride 501
Immunoassay 73
Impurities 811
Impurity 227
Impurity profile 475
Impurity profile of alcuronium 983
Inborn error of metabolism 1061
Inclusion complexes of bromazepam 761
Indian male volunteers 999
Indolin-2-one 227
Injection forms 1073
Insecticidal 447
Interactions 217

- Interleukin-13 73
Interleukin-2 73
Inulin 209
Inverse least-squares 779
In vitro 279
In vitro metabolism 897
In vivo absorption 57
Iodine value 81
Ion pair 903
Ion-pair 1073
Ion-pair complexes 173
Ion-trap mass spectrometry 601
Iron(III) chloride 1215
Isocratic separation 637
Isoflavones 1
Isotachopheresis 509
Isoxsuprine hydrochloride 331
- 11-Keto boswellic acid 729
Kinetic constants 887
KR-60436 897
- Lamivudine 903
Laser induced breakdown spectroscopy 935
LC 771
LC-ESI/MS 897
LC/MS 279
LC/MS/MS 917
LC-MS/MS 97, 945
LC-MS-MS 1115
LC-MS/MS assay 601
Leflunomide 701
Lemon 849
Leukemia 1183
Liposomes 65
Liquid chromatography 431, 453, 741
Liquid chromatography-tandem mass spectrometry 701
Liver microsomes 897
Loratadine 1041
Losartan 125
Low molecular peptides 475
Lumazine 217
Luteolin 771
- Macrolides 795
Magnetic resonance imaging 323
Malaria 13
Malliard 917
Mannitol 1135, 1149
- Mass spectra 537
Mass spectrometry 1173
Matrine 1005
Matrix effects 279
MBTH 161, 527
Meclozine HCl 373
Medicinal plant 355
Mefenamic acid 1091
MEKC 493
Meloxicam 999
Menadione 161
Menadione sodium bisulphite 161
Metabolism 323, 659
Metabolite 517
Metabolite absolute configuration 1061
Metabolites 31
Method development 1115
Method validation 811
Methyl orange 173
Metronidazole 527
Microdialysis 269
Microsomes 279
Microtiter plate 209
Minerals 463
Mirtazapine 365
Mixing volume 45
Moisture 867
Moisture content 145
Molecular modeling 125
Monobromobimane 549
MS 23
MS/MS 279
Multicommutation process 1221
- N*-alkyl phenothiazine sulphones 385
Nanoparticles 857
NAT2 phenotyping 693
Natural killer cell 73
Near-infrared spectroscopy 145
Near-infrared transmission spectroscopy 251
NEDA 527
Nevirapine 903
NIRS 867
NIR spectroscopy 439
Nitric oxide 345
NMR 23, 87, 125, 827
Normal-phase high-performance liquid chromatography 811
Nutraceutical 245

- ODS column 999
Oleane derivative 447
3-*O*-Methylquercetin 771
One step sample preparation 999
On-line 137
Optimization 1161
Optimum mobile phase 385
Oxcarbazepine 517
Oxfendazole 779
5-Oxoprolinuria 1061
Oxyclozanide 779
Oxymatrine 1005
Oxyphenbutazone 973
- Papaverine HCl 373
Paracetamol 1091
Parenteral solutions 887
Partial least-squares regression 145, 779
Particle size 1149
Passion fruit 849
PCA 537
PDA 447
Pefloxacin 173
Penicillins 795
pH 323
Pharmaceutical analysis 373, 399, 487, 795, 917, 1005, 1205
Pharmaceutical dosage forms 431
Pharmaceutical formulations 391, 741
Pharmaceutical preparation 509, 591, 1091
Pharmaceutical preparations 559, 819, 1127
Pharmaceuticals 331, 453, 463, 721
Pharmacokinetics 65, 653, 659, 999
Pharmacokinetic studies 789
Phase solubility diagrams 761
Phenobarbitone 517
Phenylthiocarbamyl derivatives 581
Phenytoin 613
Phenytoine 517
pH-induced difference spectrophotometry 187
Photochemistry 925
Photodecomposition 1101
Pindolol 97
Piroxicam 999, 1201
Plasma 169, 637, 925, 1201
Plasma ultra-filtration 645
Platelet-derived growth factor 701
PLGA microspheres 629
PLS 867
Polarographic catalytic wave 355
Polarography 613
Poly(methyl vinyl ether-co-maleic anhydride) 857
Polymorphism 1135, 1149
Potentiometric titration 1221
Potentiometry 819
Praziquantel 181
Precision 421
Pre-column derivatization 549
Pregabalin 917
Pre-treatment 867
Principal component regression 779
Production 1081
Prostaglandin 199
Prostaglandin A₁ 295
Prostaglandin E₁ 295
Purity test 613
- Quality assurance 1081
Quality control 621, 1195
Quantification 439
Quantitation 31, 245, 1135
Quantitation X-ray powder diffractometry 1149
Quantitative determination 729
Quantitative structure–retention relationship 581
Quercetin 771
Quinolones 795
- Ramipril 311
Rare earth cryptates 73
Ratio spectra derivative method 1091
Ratio spectra derivative spectrophotometry 591
Recrudescence parasitaemia 13
Regulatory requirements 1011
Release assay 251
Remote loading 65
Residual solvents 673
Resolution 45
Resorcinol and spectrophotometry 161
Retinol 991
Reversed-phase chromatography 45
Reversed phase high performance liquid chromatography 187
Reversed-phase HPLC 181
Reversed-phase liquid chromatography 559
Reviews 795
Rofecoxib 1101
RP-HPLC 439
R.S.D. 493
RSD₁ spectrophotometry 187
Rufloxacin hydrochloride 1161
RWJ-22757 659

- Salbutamol 1127
Salicylic acid 261, 1081
Sample rotation 1149
Sample solvent strength 45
Sandonorm 509
Scintillation counting 31
Screening 87
Second derivative spectrophotometry 1041
Selenium sulfide [7488-56-4] 337
Semen Cuscutae 621
Separation of double and triple bond homologs 45
Serum 721
Serum levels 991
Similarity 537
Simultaneous dosage 517
Single-step extraction 645
Sodium chondroitin sulfate 245
Solid-phase extraction 261, 903
Solid phase extraction 1173
Solid-phase microextraction 965
Solubility enhancement of bromazepam 761
Solvent extraction 373
Sorbic acid 261
Soy product 1
Spectrodensitometry 569
Spectrofluorimetry 331, 365
Spectrophotometry 1205
Spectrophotometric 1127
Spectrophotometry 173, 209, 311, 373, 527, 1215
SPP 537
Stability 493, 629, 811, 867, 1101
Stability indicating 431, 1055
Stability-indicating assay methods 1011
Staphylokinase 953
Static headspace 673
Statil™ 31
Stereochemistry 925
Sterility 827
Steroid 87
STI571 1183
St. John's wort extracts 439
Stoppers 867
Structure elucidation 945
SU101 701
Supplement 1
Sweet pepper 849
Tablet dissolution rate 711
Tablets 365
Tape stripping method 57
T. arjuna 447
Tenoxicam 819
Terbinafine hydrochloride 569
Ternary complex 311
7,7,8,8-Tetracyanoquinodimethane (TCNQ) 1127
Tetracyclines 795
Thermogravimetry 973
Thiamine 683
Thin-layer chromatographic densitometry 187
Thin layer densitometry 711
Timolol maleate 391
Tinidazole 527
Titration 245
TLC 227
 α -Tocopherol 991
Total glutathione 637
(\pm)-*trans*-3-(2-Bromophenyl)octahydroindolizine hydrochloride 659
Triamcinolone acetonide 569
Triamterene determination 721
Tributyl phosphate 155
Triterpene 447
Tryptophan 909

Urine 683, 693, 789
UV detection 517, 999
UV-spectrophotometric methods 761
UV spectrophotometry 365, 741

Validation 155, 251, 421, 493, 509, 629, 1161
Venlafaxine 1055
Veterinary drug 87
Vierordt's method 391
Vitamin C 849
Voltammetry 217

Warfarin enantiomers 107

XK469 287
X-ray diffraction powder 973

Yeast 463

Zero-crossing first derivative spectrophotometry 391
Zidovudine 903