



SUBJECT INDEX

- Absorbance ratio method 1023
Accumulation cathodic voltammetry 99
Aceclofenac 775
Acetaminophen 77
(Acetyl)salicylic acid 837
Acyclovir 1017
Alfentanil 421
Altace 637
Ambroxol 469
Amiloride hydrochloride 965
Amperometric detection 429
Analysis 89
Analysis in tablets 819
Analysis spectrophotometry 243
Anthocyanins 191
Antidepressants 161
Antiepileptics 161
Antioxidants 127
Antiviral agents 395
AR-C68397AA 947
Ascorbic acid 77
Assay 421
Asymmetrical design 291
Atenolol 33, 231
Atomic absorption spectrometry 249
Automated liquid:liquid extraction 551
Automated robustness 561
Automated sample preparation 551
Autoxidation 927
Azithromycin 1073
- Bacterial antigens 939
Barr decision 671
Basic pharmaceuticals 597
Benzisothiazolone 395
Benzodiazepines 447, 1057
Benzothiadiazine 117
Beta-cyclodextrin 997
Bile acids 89, 375
- Bimolecular interaction 1039
Biological fluids 307, 493, 551, 1005
Biosensor 69, 403
 β -Blockers 459
Blood 447
Blood orange juice 191
Bromhexine 591
Butaclamol 735
- Cadmium 99
Caffeine 543
Camellia sinensis 223
Canine plasma 825
Capacity factors $\log k'$, $\log k'_w$ and $\log k_w^{app}$ 955
Capillary electrophoresis 735, 973
Capillary ion electrophoresis 663
Capillary zone electrophoresis 107, 143, 429, 763
Captopril 249
Carbamazepine 41
Catechin metabolites 223
Cathodic stripping voltammetric determination of sulpiride 783
Cationic exchange chromatography 543
Cefaclor 307
Cefadroxil 341
Cefadroxil monohydrate 263
Cefuroxime 341
Celiprolol 33
Cellulose-based chiral stationary phases 117
Cetylpyridinium chloride 1033
CGS 26214 745
Chemiluminescent assay 515
Chiral 745
Chiral separations 735
2-chloromethylbenzofuran 705
Chlorpheniramine maleate 1023
Cholesterol-lowering agent 745
Cichoriaceae 127
Cleaning 421

- Cocaine and ecgonine methyl ester analysis 897
Codeine 837, 909
Column-switching 775
Conformational analysis 55
COPD 947
Cotinine 543, 653
Cotinine glucuronide 543
Cotrimoxazole tablets 591
Cyanobacteria 723
 β -Cyclodextrin 33, 231
 α -Cyclodextrin 25
Cyclodextrins 107
CYP3A 629
Cysteine 429
- Danazol 413
Degradation 623, 983
Degradation products 803
DELFIA 947
Derivative spectrophotometry 1023
Derivative spectroscopy 483
Design of experiment 581
Determination 263, 413
Dextromethorphan 825, 909
Diazotization 617
2,3-Dichloro 5,6-dicyano-*p*-benzoquinone 483
Diclofenac 775
Differential-derivative spectrophotometry 255, 1023
Differential pulse adsorptive stripping voltammetry 307
Differential pulse voltammetry (DPV) 263
Differential scanning calorimetry 41
Differential scanning calorimetry (DSC) 33
Diffusion coefficient 227
Dilute-and-shoot 825
Diode array detection 447
Direct voltammetry 227
Dissociation constants 459
Dissolution 231, 535
Distribution coefficient CLOGD_{7,2} 955
Distribution coefficient log *K* for Witepsol H₁₅-phosphate buffer system 955
2,2'-dithiobis[N-isoleucylbenzamide] 395
Dogmatil forte tablets 783
Dopamine D-2 receptor antagonist 735
Dosage forms 281, 1005
Double cell quartz crystal 387
Drug 89
Drug substances 867
- Econazole 25
Effervescent dosage forms 77
Electrochemical detection 1073
Electrooxidation 263
Electrospray 745
Electrospray mass spectrometry 61
Enantiomerization 117
Enantiomers 107
Enantioselective HPLC 3
Enantioseparation 117
Enzyme immunoassay 363, 939
Ephedrine hydrochloride 255
6-Epidoxycycline 353
Eriochrome cyanine R 477
Estrogen 927
Ethynodiol diacetate 927
Eticlopride 735
Evaporative light scattering detection 3
Expectorant 469
Experimental design 169
Extraction methods 197
- Fenoterol 1005
Fentanyl 421
FIA 89
Finger-print 61
First-derivative 1045
First-derivative spectrophotometry 341
Flavonoids 61
Flavonol metabolites 223
Floctafenine 483
Flow injection analysis 291
Flufenamic acid 135
Fluorescence detection 147
Fluorimetry 281, 837
Fluoroquinolones 521
Fluoxetine 243, 477
Fluoxetine (FLX) 989
Flutamide 617
Fluticasone propionate 291
Fluvoxamine 243, 477
Folic acid 1039
Forensic toxicology 1057
Formulation quality control 15
FP-21399 715
Fractional factorial design 291
Free fatty acids 793
Free radical 69
FTIR 231
Furosemide 803

- Fusion inhibitor 715
- Gas chromatography 653
Ginkgo biloba 223
- Glafenine 483, 1045
- Glutathione 429
- Glycopeptides containing chiral stationary phases 3
- Guaifenesin 909
- Heavy atom induced (HAI) 845
- Heavy metals limit test 867
- 1-Hexadecanoyl-2-[9, or 10-hydroperoxy] octadecanoyl]-*sn*-glycero-3-phosphocholine 515
- Highly active anti-retroviral therapy 629
- High-performance liquid chromatography (HPLC) 175, 275, 387, 437, 447, 629, 715, 763, 989, 1073
- High performance thin layer chromatographic 623
- High-performance thin layer chromatography (HPTLC) 1017
- Hippuric acid 793
- HIV 715
- HIV-positive pregnant women 629
- ¹H-NMR 25
- Hot Stage FT-IR thermomicroscopy 41
- HPLC 185, 191, 237, 341, 413, 535, 581, 909, 1057
- HPLC analysis 161
- HPLC-MS 705, 927
- HPLC/MS 597
- HPLC-NMR 927
- HPLC/(Q-TOF) 897
- HPTLC 983
- Human plasma 323, 573, 715, 775
- Human serum 851
- Human serum albumin 793
- Human urine 917
- Hydrochloride 1045
- Hydrochlorothiazide 185
- Hydrolysis 851
- Hydromorphone 697
- 3'-Hydroxycotinine 543
- 3'-Hydroxycotinine glucuronide 543
- 2-Hydroxy-2',5'-diazachalcones 55
- Hydroxylamine 663
- Hyperthyroidism 237
- Imipramine 383
- Imipramine-eriochrome cyanine R system 383
- Immunoabsorption 687
- Immunoassay 687
- Immuno-assay 403
- Purities 757, 803
- Impurity map 561
- Impurity profiles 561
- Inclusion complex 997
- Inclusion complexation 231
- Inductively coupled plasma-mass spectrometry 867
- Infrared spectra 55
- In-source fragmentation 697
- Interleukin-6 403
- Intermediate precision 169
- Intravenous immunoglobulin 363, 939
- In-vitro dissolution studies 1073
- Iodic acid 1045
- Ion-exchange column chromatography 307
- Ion-pair RP-HPLC 965
- Ion-selective electrode 493
- ISE 89
- Isocratic elution 353
- Isotachophoresis 135
- Isoxsuprine 1005
- Ketoprofen enantiomers 793
- Kinetic determination 503
- Kinetics 413
- Lactonization 851
- L-Carnitine 315
- LC/MS 551
- LC-MS 561
- LC/MS/MS 607, 851
- LC-MS/MS 521
- Leptin 687
- Lipid peroxidation 127
- Liquid chromatography 395, 421, 637, 825, 891, 973
- Liquid chromatography (HPLC) 15
- Liquid chromatography-mass spectrometry-mass spectrometry method 323
- Liquid-liquid extraction 607
- Liver microsomes 127
- Long-term stability 1057
- Losartan potassium 185
- Malic acid 25
- Malonic anhydride 281
- Mass spectrometry 395, 653
- Mecamylamine 653
- Median 671
- Medicinal plants 61
- Mefenamic acid 135

- Melatonin 15
 2-Mercapto-5-phenyl-ammino-1,3,4-thiadiazole 99
 Metabolites 107
 Methimazole 429
 Method development 637
 Method with correction 965
 6-Methoxy-2-naphthylacetic acid 917
 Methylclothiazide 965
 2-Methyl-6-[*p*-methoxyphenyl]-3,7-dihydroimidazo-[1,2-a]pyrazin-3-one 515
 Metoclopramide 1045
 Micellar electrokinetic chromatography 375
 Micellar liquid chromatography 803
 Microbore liquid chromatography electrospray ionization ion-trap tandem mass spectrometry 723
 Microcystins 723
 Molecular modelling 25
 Molecular models 55
 Multicomponent analysis 837
 Multicomponent complexes 25
 Multivariate calibration 591
 Multivitamin-mineral tablets 437
- Nabumetone 917
 Nafronyl 845
 Naproxen 917
 Narrowbore HPLC 775
 Neonatal infection 939
 Neuroleptics 161
 Nicotine 543, 653
 Nifedipine 623
 Niflumic acid 135
 NMR spectra 55
N-(1-naphthyl) ethylenediamine 617
 NNRTI 535
 NOE 25
 Normal phase liquid chromatography 697
 Nuclear magnetic resonance (NMR) 33
 Nuclear magnetic resonance spectroscopy 395
- Obesity 687
 Octanoic acid 793
 Olanzapine 973
 On-line derivatization 705
 On-line sample extraction 897
 Opiate 697
 Organic acids 387
 Outlier 671
 Out of specification 671
 Oxamniquine 503
- Oxytetracycline 275
 Palladium(II) chloride 249
 Parabens 469
 Partial least-squares calibration 837
 Partition coefficient CLOGP 955
p-Dimethylaminocinnamaldehyde 1045
 Pharmaceutical analysis 135, 175, 503, 845
 Pharmaceutical dosage forms 1073
 Pharmaceutical formulations 161, 255, 315, 973, 1023
 Pharmaceutical products 1033
 Pharmaceuticals 275, 375, 383, 663, 803, 917
 Pharmacokinetics 793, 825
 Phenylephrine hydrochloride 1023
 Phenytoin 573
 Phosphatidylcholine hydroperoxide 515
 Photodegradation 413, 521, 927
 Photolysis 1039
 Photoproduct characterisation 15
 Photostability 15
 Piracetam 757
 Piribedil 493
 Plasma 281, 503, 551, 653
 Plasma analysis 947
 Polar-organic mode HPLC 3
 Polymorphism 41
 Polysaccharide antigens 363
 Porous graphitic carbon column 353
 Potassium permanganate 503
 Potentiometric determination 493
 Potentiometric titrations 459
 Pravastatin 851
 Precision 581
 Preservatives, cosmetics, parabens 763
 Preterm neonates 363
 Primary immunodeficiency 939
 Promazine.HCl 175
 Promethazine.HCl 175
 Prooxidants 127
 Propylthiouracil analysis 237
 Protease inhibitor 705
 Protein binding 573
 Pseudoephedrine 909
 Pteroic acid 437
6-p-toluidinylnaphthalene-2-sulphonate 997
 Pulsed electrochemical detection 891
 PVC membrane 493
 Pyridoxine 837

- Quantitative analysis 315, 989
Quantitative determination 851
Radioimmunoassay 687
Ramipril 637
Receptor-assay 403
Reduction 617
Related substances 637
Residual solvent analysis 197
Resorcinol 617
Respiratory therapy 947
Response 663
Retest 671
Retinoids 147
Reversed-phase chromatography 573, 819
Reversed-phase high performance liquid chromatography 315
Reversed phase high performance liquid chromatography 169
Reversed-phase liquid chromatography 147
Reverse-phase liquid chromatography 469
Riboflavin 1039
Robustness 581
Robustness testing 169
Room temperature phosphorescence (RTP) 845
Scanning electron microscopy (SEM) 33
Scavengers 69
Second-derivative spectrophotometry 965
Semi-micro HPLC column 447
Semipreparative enantioseparation 117
Serum 447, 551
Serum PTU 237
'Shake-flask' method 955
Silica 909
Silica gel-bound polyelectrolyte 307
Simultaneous determination 185
Simvastatin 323
Simvastatin acid 323
Skin permeation 1017
Slime 363
Small amines 663
Sodium benzoate 469
Solid-phase extraction 917
Solid phase extraction 715
Solid-phase microextraction 197
Solid state characterisation 41
Solubility 231
Somatostatin 143
Specific antibodies 939
Spectrophotometric analysis 191
Spectrophotometry 383, 477, 483, 591, 617, 973, 1045
SPR 403
Stability 147
Stability conditions 803
Stability constant 997
Stability indicating method 483
Staphylococcus epidermidis 363
Stationary phases 597
Storage condition 1057
Structural characterization 521
Substituted cyclodextrins 735
Sufentanil 421
Sulpiride 735
Superoxide dismutase 69
Suspension 535
Swabs 421
Syrup 469
Tablets 185, 493
Tandem mass spectrometry 573, 697, 745, 825
TEAC 223
Teicoplanin 3
Terfenadine 281
Terpenes 61
Tetracyclines 353
Theophylline 255
Thermal resolution 1065
Thermogravimetric analysis 1065
Thiazinium methylsulphate 175
Thiols 429
6-Thiopurine 429
Thrombin inhibitor 607
Timolol maleate 983
TLC 757
TLC-densitometry 757
Tobramycin 891
Tolfenamic acid 135
Ultrafiltration 573
United States Pharmacopoeia 867
Urinary 6 β -hydroxycortisol 629
Urine 341, 503, 783
UV detection 307
UV-detection 175
UV irradiation 413
UV-spectrophotometry 819, 997
UV spectrophotometry 263
Validation 169, 581
Validation of HPLC method 175

- Variable heating rate 1065
Variable-size simplex 291
Venlafaxine 107
Voltammetry 973, 1005
Volterra equation 227
96-well plates 551
- X-Ray powder diffraction 41
X-ray powder diffractometry (XRD) 33
Zafirlukast 169
Zero-crossing method 965
Zinc determination spectrophotometry 1033
Zopiclone 819