



SUBJECT INDEX

- Adenine 295
A21-desamido insulin 45
Adsorption 571
Adsorptive stripping 673
aFGF 719
Alkaloid 199
6-AM 463
L(D)-Amino acid oxidase 323
Aminophylline 39
Ammidin 627
Amoxicilline 1039
Amperometric biosensors 323
Amperometry 1025
Analgesic drugs 423
Analytical method 181
Animal feeds 85
Anodic oxidation 647
Antibacterial agent 1073
Anti-diabetic drugs 329
Anti-fungal 589
Antihistamines 157
Anti-hypertensive and in process quality control 33
Anti-ischemic 33
Antimalarial 851
Antioxidants 1163
Antirelapse 851
Arbutin 617
Aristolochiaceae 831
Aristolochic acid 831
Arylpropionic acid 137
Asarum species 831
Ascorbic acid 617
Assay 85, 699, 935
Atmospheric ionization mass spectrometry 627
Atmospheric pressure chemical ionization 275
Atomic absorption spectrometry 845
Atomic emission spectrometry 845
Atorvastatin 1017
Automated solid phase extraction 61
Azithromycin 211, 647
Ballistic gradient separation 251
Baseline prediction 563
Benzenesulfonic acid phenethyloxy–phenyl esters 379
Benzodiazepines 1135
Benzylamine 983
Bergapten 627
Bexarotene 495
Biamperometry 789
Biapigenin 53
Bifonazole 131
Bile acids 871
Bilobalide 811
Binary sampling 903
Binding sites 891
Bioanalysis 495
Bioavailability 513
Bioequivalency 287
biomatrix 755
Biosensor 983, 1025
Bopindolol 1149
Bovine serum albumin 765
Bromhexine 1039
Buccal 181
Bulaquine 851
Bulk drugs 335
Bupropion 287
Caffeic acid derivatives 117
Caffeine 605
Calcium 955
Calcium dobesilate 789
Capillary electrophoresis 1, 263, 329, 379
Capillary zone electrophoresis 157
Captopril 309
Carbon paste modified electrodes 735
Carboxyethyl- β -cyclodextrin 157

- L(D)-Carnitine 323
Catechins 539
Cathodic stripping voltammetry 589
CE 451
Cefepime 797
Cefepime for injection 797
Central composite design 553
Charged cyclodextrin 157
Charge transfer complexes 693
Chemiluminescence 1033
Chemiluminescence analysis 765
Chemometrics 845
Chiral LC 803
Chiral separations 263
Chloroquine 851
Chlorphenamine maleate 39
Chlorpheniramine maleate (CPM) 441
Chromium (III) 411
Cimetidine 165
Ciprofloxacin 125, 693
Cisapride 513, 991
Citalopram and desmethylcitalopram 263
Citrus flavonoids 243
Clavulanic acid 1039
Coated wire electrode 975
Cobalt (II) 411
Cold remedy ingredients 441
Collagen 1081
Colloidal Au 1117
Complexation 435
Compound capsule dosage forms 39
Content uniformity 955
Control sample 859
Cordyceps sinensis 1155
Correlation coefficient 803
Cosmetic product 617
COX-2 inhibitor 61
Cream formulation 131
Cyclic voltammetry 647
 β -Cyclodextrin 463
- DC-polarography 673
Degradates 999
Degradation 545, 991
Degradation kinetics 145
Degradation products 109
Dehydropregnenolone 755
Derivative spectrophotometric determination 175
Derivative spectrophotometry 131, 597
Desfluoro-atorvastatin 1017
Determination 1143
Dextromethorphan 495
DHEA 911
Diastereomer-atorvastatin 1017
Diclofenac 745
Differential pulse voltammetry 735
Diffusion 891
Digoxin 109
Diltiazem 275, 571
Dimerization 999
Dimethyl benzoylphenyl urea (BPU) 725
Diode array UV spectroscopy 859
Diosmin 243
Dioxopromethazine 157
Dipyron 423
Direct injection 1135
Disposition 317
Dissociation constant 379
Dissolution 53, 109
Dissolution profiles 1039
Diuretic action 117
Diurnal variation 1103
DNA 295, 1117
Dogs 287
Dopamine 1025
Dosage form 687
Dosage forms 597
Doxorubicin 475, 1093
Doxycycline 667
Drug analysis 403, 825
Drug-counterion interaction 999
Drug discovery compounds 251
Drug manufacture control 1181
Drugs 157
- Echinacea purpurea* 845
EDTA 435
Eicosanoids 1059
Electrochemical DNA biosensor 295
Electrochemical studies 647
Electrochemiluminescence 719
Electrokinetic injection, sample stacking, capillary zone electrophoresis 463
Electrospray 1081
Electrospray HPLC/MS/MS 1073
Electrospray ionization (ESI) interface 1155
Enantioseparation 157, 581
Enantiomeric ratio 581
Enterovirus PCR 819
6-Epidoxycycline 667

- Eptifibatide 1181
Erythromycin 647
Estimation in bulk drug 673
Estradiol 495
Ethanol content 529
EXP3174 73
Extraction 109
- FaSSIF 53
Fast HPLC-MS/MS 251
FDA guidelines 7
FeSSIF 53
FIA 571, 1039
FIA-amperometry 983
First derivative spectrophotometry 231
Flavonoids 317
Fleroxacin 693
Flow injection analysis 1149, 1175
Flow-injection analysis 789
Flow-injection spectrophotometry 191
Fluids 475
Fluorescence 85
Fluorometry 1175
1-[4-(4-Fluorophenyl)-piperazine-1-yl]
-3-(2-oxopyrrolidin-1-yl)-propane hydrochloride 33
Formoterol fumarate 935
Formoterol fumarate acetamide analog 935
Formoterol fumarate desformyl analog 935
Formulations 335
Formulation screening 955
Fourier transform infrared spectroscopy 199
Fritillaria 199
FTC 581
Furanocoumarins 627
Furosemide 699, 923
- Gallic acid 539
Gas chromatography 797
Ginkgo biloba extract 317
Ginkgo biloba L. extract injection 811
Ginkgolides 811
Glucose elimination 1175
Glycolic acid 617
Guanidine hydrochloride 303
Guanine 295, 735
Guanine dimer 735
Guan-Xin-Er-Hao decoction 521
- Hamamelitannin 539
- Headspace gas chromatography 963
Heparin interference 475
Heroin 463
Hesperidin 243
High performance liquid chromatography 1135, 1155
High-performance liquid chromatography 165, 275
High performance liquid chromatography 317
High-performance liquid chromatography 505
Hisep column 1135
¹H NMR spectroscopy 1103
Horseradish peroxidase 323
HPLC 33, 39, 109, 117, 211, 219, 231, 287, 335, 393, 403, 513, 521, 539, 617, 667, 699, 839, 851, 935, 947
HPLC determination 243, 811
HPLC-MS 219
HPLC-MS/MS 1093
HPLC-UV 1059
HPLC-UV detector 1127
HPTLC 545, 851
Human dialysate 711
Human plasma and urine 73
Human serum 673
Human serum albumin 911
Human subjects 1103
Hydroalcoholic extracts 117
Hydrochlorothiazide 505
Hydrogen peroxide solutions 1049
Hydrophilic whitening agent 617
Hydrophobic and/or lipophilic analytes 1059
Hydroxamic acids 783
Hydroxy-derivative (M-IV) 101
2-Hydroxy-1-(hydroxymethyl)ethyl nitrate 403
Hydroxylamine 963
Hydroxyl metabolites 251
Hydroxyproline 1081
2-Hydroxypropane-1,3-diyl dinitrate 403
Hypericum perforatum 53
hypolipidaemic agents 755
- ICP-AES 955
Imatinib mesylate 879
Iminodibenzyl 775
Imipramine 775
Immobilized artificial membrane chromatography 137
Immobilized enzyme reactor 1175
Immunoassay 719
Immunoradiometric assay 891
Immunosuppressive drugs 871

- Impedance spectroscopy 1117
Impurities 211, 335, 403, 627, 1017
Impurity 1181
Inductively coupled plasma 639
Insulin 45, 451
Integrilin 1181
In vitro availability tests 1039
Ionic strength 891
Ion pair 975
Iron (III) 411
Isocratic reversed-phase and liquid chromatography 879
Isoniazid 673
Isopimpinellin 627
Isothermal temperature coefficient 975

Ketoconazole 589
Keto-derivative (M-III) 101
Kinetics, enantiomer, NSAID 95
Kinetics of degradation 231

LASSBio-581 1127
LC/APCI/MS/MS 831
LC/MS 999
LC/MS/MS 725
LC-MS/MS 711
LC-MS/MS 61
LC-MS/MS 73, 101
Leukotrienes 1059
Lidocaine 859
Linearity 7
Linearity definition 7
Linearity testing 7
Lipophilicity 137
Lipophilicity estimation 871
Liquid chromatography 1, 627
Liquid extracts 529
Liquid herbal drug preparations 529
Liquid-phase microextraction 263
Lomefloxacin 693
Loratadine 597
Losartan 73
Losartan potassium 175
Lovastatin 1163
Luminol 1033
Lung perfusion model 475
Lycorine 295

MALDI-TOF mass spectrometry 1181
Mass spectrometry 275, 1081, 1155

Matrix effects 963
Matrix ionization suppression 251
Meropenem 947
Metabolic profiling 1103
Metabolites 275, 711
Metabonomics 1103
Metacycline 667
Metal chelates 411
Metamizol 605
Methanol 529
Methimazole 1143
Method development 219
Method validation 219
Methoxsalen 627
Methoxyphenamine hydrochloride 39
Mg ascorbyl phosphate 617
Micellar electrokinetic chromatography 1
Micellar electrokinetic chromatography (MEKC) 441
Microdialysis 745
Microdialysis sampling 1059
Microdialysis sampling 765
Microelectrodes 923
Microemulsion electrokinetic chromatography 871
Milk 923
Moexipril hydrochloride 505
Moisture analysis 21
Monoamine oxidase (MAO) 983
Monolithic LC phases 495
Mucoadhesive 181
Multicommutated flow system 903
Multi-component mixture 605
Multi-linear regression-calibration 605
Multimodal elution 581
Multiresolution 605
Multivariate calibration 655, 859
Multivitamins 1175
Myo-inositol 1175

NAD(P)H 735
Naringin 243
Near infrared spectrometry 21
Near-infrared spectroscopy 1049
Neuron-specific enolase 891
Nifedipine 495
Nimesulide 571
NIST 1084a 639
Nitrotriacetic acid 435
Nitrous oxide 963
N-methylpyrrolidine 797

- NMR 999
NMR spectroscopy 627
Non-column 859
Nondestructive 181
Norfloxacin 693
Noscapine 39
Nucleoside 1155
- Omeprazole 411
On-line 451
Organic modifier 263
Organics 639
Orthosiphon stamineus Benth. 117
Oxidation 999
8-Oxoguanine 735
- Paeoniflorin 521
Pantoprazole 687
Pantoprazole sodium 411
Parabens 991
Paracetamol 191, 605
Paracetamol (PARA) 441
Paroxetine 803
Partial least squares 1049
Partition coefficient 137
p-Chloranilic acid 775
Pediatric 73
Peptide doxorubicin conjugate 1093
Pethidine 1
Pharmaceutical analysis 329
Pharmaceutical dosage form 775, 947
Pharmaceutical formulation 393, 1033
Pharmaceutical formulations 983, 1025
Pharmaceutical preparation 157
Pharmaceutical preparations 963, 975
Pharmaceuticals 211, 1039
Pharmacokinetic 699
Pharmacokinetics 125, 251, 275, 287, 513, 725, 755, 1127
1,10-Phenanthroline-5,6-dione 219
Phosphatidylcholine 871
pH-rate profile 231
Pioglitazone 101
Piromidic acid 553
Pitophenone hydrochloride 423
Plasma 451, 1081, 1135
Plasma assay 1073
Plasma pharmacokinetic parameters 673
Platinum wire electrode 789
Polarography 589
Poliovirus 303
Polymethoxylated flavonoids 117
Polyphenol oxidase 1025
Polyphenols 117
Polysaccharide carbamate phase 581
Poly (vinylchloride) membrane 825
Porous graphite carbon amperometry 435
Positive- and negative strand RNA detection 303
Potentiometric titration 825, 1143
Prazosin (PZ) ion-selective electrode 825
Pre-concentration 1149
Precursor ion 711
Premixes 85
Primaquine 851
Principal component regression 181
Product ion 711
2-Propanol 529
Propranolol HCl 699
Prostaglandin B₂ 1059
Protein stability 145
Proton donor and acceptor strength 783
Pseudoephedrine sulfate 597
Pulsed amperometric detection 923
Purity 879
Purity control 85
Pyridinyl-methyl-sulfinyl-benzimidazoles 379
- Qualitative and quantitative determination 117
Quality control 529
Quantitative PCR 303, 819
Quinolone 1073
- Ranitidine 165
Rat brain 839
Ratio-spectra derivative spectrophotometry 423, 775
Resolution enhancement 563
Response surface methodology 553
Reversed flow 903
Reversed phase chromatography 755
Reversed-phase chromatography 435
Reversed-phase high-performance liquid chromatography 45
Reversed-phase HPLC 95, 125, 745
Reversed Phase liquid chromatography 597
RNA extraction 819
RP-HPLC 991
(2*RS*)-2,3-Dihydroxy-propyl nitrate 403
(2*RS*)-3-Hydroxypropane-1,2-diyl dinitrate 403
RT-PCR ELISA 303, 819

- Saluretic action 117
Saponin 199
Selamectin 21
Self-assembled monolayer 1117
Sensitized fluorescence 693
Sequential injection analysis 323
Serum 451
SGF_{sp} 53
Shear rate 145
Silver nanoparticles label 1117
Simultaneous 699
Simultaneous analysis 655
Simultaneous estimation 851
Size-exclusion chromatography 145
Skimmed integration 563
Solid-phase 109
Solid phase extraction 1149
Solid-phase extraction 1073
Spasmolytic drugs 423
SPE 451, 521
Spectrophotometric determination 131
Spectrophotometric methods 1163
Spectrophotometry 411, 655, 775, 903
Square-wave 687
Square wave adsorptive stripping voltammetry 553
Square wave cathodic adsorptive stripping voltammetry 309
Square-wave voltammetry 673
Stability indicating 545
Stability indicating assay 393
St. John's Wort 53
Stripping voltammetry 687
Sulfated- β -CD 263
Sustained release tablet 287
Synthetic impurities 219
- Tablets 175, 673
Tablets and oral solution 191
Tandem mass spectrometry 745, 999
Tangent integration 563
Temperature 891
Terbutaline sulfate 765
Testosterone displacement 911
- Tetracyclines 85
Tetrahydronaphthridine 999
Thyromazol tablets 1143
Tiazofurin 839
Tinctures 117, 529
Tiopronin 1033
Tissue 1081
Tizanidine hydrochloride 545
TLC densitometry 85, 393
Toxic impurity 1
Trace elements 845
Triamterene 975
Tri-linear regression-calibration 605
Trimebutine 231
Trimipramine 903
TRIS salt 999
Tubular electrodes 571
Two-dimensional correlation infrared spectroscopy 199
- Uric acid 735
Uricosuric action 117
Urine 451, 553, 673
UV 109
UV-derivative spectrophotometry 505
UV-detection 95
UV detection 745
UV Spectrophotometry 947
- Valdecoxib 61
Validation 7, 145, 411, 581, 803, 935, 947, 1127
Vesnarinone 711
Viscosity 891
Voltammetry 1143
- Waste oil analysis 639
96-well format 1073
Witch hazel 539
- Xixin 831
- Zero-crossing derivative spectrophotometry 423
Zolpidem 393