

Subject Index to Volume 15 (1998)

- 1,2-dinitrolycerin, 614
 3'-azido-3'-deoxythymidine, 139
 5-Aza-2'-deoxycytidine, 175
 5'-deoxy-5-fluorouridine, 1007
 5-Methylcytosine, 175
 Absolute bioavailability, 347
 Absorption, 98, 856, 953, 972, 1012, 1262, 1281, 1286, 1393
 Absorption barrier, 66
 Absorption enhancer, 870, 1876
 Absorption kinetics, 488, 1262
 Absorption rate, 276, 399, 1292
 Acetaminophen, 233, 698
 Activation energy, 762
 Activator protein-1 (AP-1), 1603
 Active transport, 371
 Activity, 641, 1816
 Acute phase response, 706
 Acyclovir, 499, 1182
 Acylcarnitines, 77
 Adenovirus, 1348, 1376
 Adhesion, 806
 Adipocyte, 944
 Administration, 228, 583
 Adsorptive-mediated transcytosis, 1305
 Aerosol, 671, 1743
 Affinity, 1652
 Affinity binding sites, 1767
 Age-related changes, 964
 Aggregate evaluation, 1796
 Aggregation, 200, 254, 641, 1442, 1816
 AIDS, 819
 Airways, 1340
 Algorithm, 690
 Alkoxy-carbonylamidine, 434
 Allometric analysis, 1474
 Alpha interferon, 1090
 Alzheimer's disease, 377, 1614
 Amikacin, 1775
 Amino acid derivatives, 931
 Amino acid ester, 1154, 1382
 Aminoglycosides, 1775
 Amiodarone, 1310
 Amorphous, 762, 835, 1117, 1202, 1207, 1828
 Amphiphilic copolymers, 550
 Amphotericin B, 1630, 1737
 Anabolism, 139
 Analgesia, 482, 599, 1038
 Analytical ultracentrifugation, 1434
 Angiotensin II receptor antagonist, 911
 Anion exchanger, 411
 Antiarrhythmics, 303
 Antibody, 23, 1111, 1652
 Anticancer drugs, 993, 1546
 Anticholinergics, 145
 Antigen delivery, 1103
 Antigenic stability, 1103
 Anti-inflammatories, 377, 455
 Antinociception, 599
 Antioxidants, 377, 1137
 Antipyrine, 1314
 Antisense, 583
 Antitumor activity, 931, 1844
 Antiviral, 239, 1168
 Apoptosis, 122
 Area below the C_{min} curve, 1077
 Area under the curve, 877
 Argiotoxin-636, 31
 Arthritis, 897
 Ascorbate, 1096
 Atenolol, 1310
 Atomic force microscopy, 1056, 1222
 Atrial natriuretic peptide, 1499
 Atropine, 145
 Autoradiography, 377
 Average bioequivalence, 1321
 Azetirelin, 77
 Bacterial persistence, 544
 β-adrenoceptors, 944
 Bailer method, 405
 Basal fore-brain lesion, 1908
 Basic fibroblast growth factor, 246
 Benzoic acid, 411
 Benzophenone-3, 1863
 Beta-adrenergic agonist, 455
 Bidisomide, 221, 429
 Biexponential kinetics, 1300
 Bilayer fluidity, 525
 Bile, 751, 1281
 Bile acids, 72
 Bile salts, 1876
 Binding affinity, 1001
 Bioadhesion, 502, 1131
 Bioavailability, 583, 1012, 1085, 1589, 1609, 1614, 1696, 1782, 1787
 Biodegradable microspheres, 1111
 Biodegradable polymer, 1056
 Biodistribution, 904
 Bioequivalence, 98, 276, 399, 1077, 1292, 1621
 Biomaterial, 783
 Biophosphonates, 110
 bis(POM)-PMEA, 1168
 Bisphosphonates, 228, 606
 Block copolymer, 850
 Blood elimination, 1046
 Blood-brain barrier, 570, 576, 1270, 1525, 1657
 Bone resorption, 606
 Bootstrap, 405, 690, 889
 Borate, 1215
 Bound water, 1816
 Brain capillary endothelial cells, 993
 Brequinar sodium, 286
 Bromelain, 1393
 Bromodeoxyuridine, 1546
 Brush border membrane vesicles, 950
 Buccal delivery, 246
 Buccal mucosal delivery, 1182
 Budesonide, 1019
 Bupivacaine, 1038
 Buserelin, 1449
 Caco-2, 47, 53, 239, 423, 620, 719, 726, 972, 1031, 1141, 1160, 1174, 1305, 1376, 1382, 1387, 1401, 1490, 1520, 1666
 Caffeine, 233
 Calcein, 149
 Calcification, 606
 Calibrator, 1673
 Cancer, 175, 816
 Capillary electrophoresis, 1456
 Carbamazepine, 1787
 Carbohydrate-based glasses, 843
 Carbon dioxide, 925
 Carbopol@974P NF, 1714
 Carboxylesterase, 626
 Carnosine, 979
 Carrier-mediated transport, 620, 1168, 1370
 Cationic lipids, 661, 1340
 Cationic peptide, 1305
 Cationic polymer, 1332
 Cavitation, 918
 CCK, 1281
 Cell culture, 1275, 1684
 Cell ELISA, 338
 Cellular uptake, 1382, 1495
 Central nervous system, 599
 Centrifugation, 1356
 Certainty effect, 105
 CFTR, 671
 Chalcone, 39
 Chaperone, 1808
 Chemical denaturation, 449
 Chemical modification, 592, 1387
 Chemical stability, 1174, 1456
 Chitosan, 1326, 1332, 1844
 Chitosan microspheres, 58
 Chitosan-EDTA-inhibitor conjugates, 263
 Cholecystokinin-antagonists, 1767
 Choline Acetyltransferase, 1908
 Cholinergic therapies, 377
 Choroid plexus, 1145
 Chromameter, 280
 Chymotrypsin, 1393
 Ciprofloxacin, 544
 Circular dichroism, 1456
 Clinical pharmacology, 517
 cMOAT, 72, 1851
 Cocaine, 488
 Coculture, 993
 Codeine, 570
 Cohesion parameter, 1727
 Colchicine, 712
 Co-lipid content, 1340
 Colistin, 544
 Collagen-sandwich configuration, 1533
 Colloidal drug carriers, 538
 Colonic delivery, 1019
 Combination index, 1069
 Compendial media, 698
 Compression behavior, 1122
 Confocal laser scanning microscopy, 352, 964, 1305, 1495
 Conformation, 1452
 Conformational analysis, 972
 Conformational stability, 449, 592
 Conjunctiva, 1882
 Continuous withdrawal, 1257
 Controlled drug delivery, 1233
 Controlled porosity osmotic pump tablet, 1562
 Controlled release, 188, 216, 377, 474, 1038, 1326
 Convolution, 466
 Copolymer modification, 318
 Cornea, 1275, 1882
 Corticosteroid, 280
 Covalent binding, 343
 Covariate model building, 1463
 CQSAR, 286
 Crosslinking, 1019, 1026
 Crossover trials, 399
 Cryopreservation, 1215
 Crystalline, 1207
 Crystallinity, 755
 Cupric chloride, 1096
 Cyclic imide formation, 1456
 Cyclic voltammetry, 1690
 Cyclodextrins, 1051, 1275, 1348, 1696
 Cyclosporin A, 863, 993
 CYP3A4, 856

- Cysteine protease inhibitors, 1520
 Cytochalasin E, 1760
 Cytochrome P450, 517, 1799
 Cytochrome P450 3A2 (CYP3A2), 1603
 Cytokines, 1822, 1895
 Cytoskeleton, 964
 Cytostasis, 122
 Cytotoxicity, 1275
- Danazol, 698
 Data correction, 280
 Daunorubicin derivative, 531
 Deamidation, 650
 Debye layer, 1569
 Decision support, 690
 Degradation, 650, 1449, 1480
 Dehydration, 110, 1207
 Denaturation, 246
 Dendrimers, 680, 776
 Density gradient centrifugation, 1056
 Deoxyacyclovir, 499
 Dermal intestinal fluid, 883
 Destructive sampling, 405
 Dextran, 557, 1046
 Diabetes mellitus, 883, 1637
 Diazepam, 1640
 Diclofenac, 988, 1589
 Dielectric relaxation, 835
 Differential scanning calorimetry, 794, 1202
 Diffusion chamber, 620
 Diffusion coefficient, 377
 Dihydroorotate dehydrogenase (DHODH), 286
 Diketopiperazine, 1822
 Diltiazem, 1196
 Dipeptide transporter, 338
 Disintegration, 1026
 Disopyramide, 221, 429, 1250
 Disposition, 897, 1286, 1630
 Dissolution, 11, 466, 698, 889, 1196, 1787
 Distribution, 1244
 Disulfide bonds, 1808
 DNA, 1356
 DNA methylation, 175
 DNA vaccines, 661
 Docking, 368
 Doxorubicin, 1031
 Drug, 1525
 Drug absorption, 58, 66, 221
 Drug carriers, 531, 776, 1552
 Drug clearance, 1652
 Drug delivery, 334, 671, 813, 826, 918, 1174, 1364, 1637
 Drug design, 23, 1419
 Drug diffusion, 66
 Drug discovery, 1257
 Drug disposition, 706, 1326
 Drug efflux, 1001, 1160, 1168
 Drug loading, 1051
 Drug metabolism, 517
 Drug regulation, 1321
 Drug release, 802
 Drug screening, 1376
 Drug secretion, 1001
- Drug targeting, 318, 1031, 1540
 Drug tracer, 1469
 Drug transport, 239, 1168, 1270
 Drug/excipient particle size ratio, 216
 Drug-lipid membrane interactions, 209, 739
 Dry powder aerosol, 562, 1748, 1753
 Duodenal administration, 745
 Dynamic viscosity, 1131
- Effervescence, 925
 Efflux system, 423
 Eisai hyperbilirubinemic rats, 72
 Elasticity, 1122
 Elderly, 1286
 Electrokinetic chromatography, 799
 Electron spectroscopy, 783
 Electroosmosis, 984
 Electroporation, 1596
 Electrospray mass spectrometry, 936
 Elimination/excretion, 1775
 ELISA, 338, 1708
 Emulsification-diffusion technique, 1056
 Emulsion, 128, 863
 Endothelial gap junctions, 455
 Enteric coated, 233
 Enthalpy relaxation, 1828
 Enzymatic barrier, 263
 Enzymatic stability, 1799
 Enzyme deactivation, 1680
 Enzyme-linked immunosorbent assay, 338
 Epidermis, 1863
 Epidural, 482
 Epiremization, 1449
 Epithelial cells, 1480
 EPR spectroscopy, 1690
 Equilibrium moisture content, 768
 Erosion, 474
 Erythropoietin, 1469
 Ester, 434
 Esterase-sensitive prodrugs, 1174
 Estimation bias, 889
 Estradiol, 877, 1238, 1684
 Estrogen, 377, 1640
 Ethanol, 495, 1238, 1684
 Ethylene vinyl acetate membrane, 1238
 Etodolac, 343
 Etoposide, 1160
 Euclidean distance, 280
 Everted intestine, 863
 Ex vivo receptor occupancy, 911
 Excipient, 1637
 Exocrine pancreas, 1767
 Experimental design, 399, 1292
 Experimental diabetes, 897
 Exsorption, 371
- Extended release, 1196
 Eye, 1637
- Factor IX, 1090
 Far-uv circular dichroism, 200
 Fat emulsion, 442
 Flavanone, 39
 Flavonoids, 936
 Flow cytometry, 377, 712, 1495
 Fluorescence, 377
 Fluphenazine, 1485
 Fluphenazine decanoate, 1485
 Folate binding protein, 1540
 Follicular transport, 85
 Food effects, 221, 417, 429
 Forecast, 690
 Fosfomycin, 734
 Fourier transform infrared spectroscopy, 1857
 FPR, 377
 Fractal analysis, 1222
 Fractal dimension, 1222
 Fractal kinetics, 620
 Fragility, 762
 Fragmentation, 1122
 FRAP, 377
 Free radicals, 1680
 Free volume model, 1569
 Freeze energy calculations, 368
 Freezing, 82
 FTIR, 1442, 1714
 FT-Raman spectroscopy, 755, 1207
- Gastric emptying, 233
 Gastric motility, 233
 Gastrointestinal, 228, 417, 583, 1026
 Gel, 1137, 1364
 Gel layer thickness, 1903
 Gelatin capsules, 806
 Gelation, 1442
 Geldanamycin, 1760
 Gender, 1630, 1787
 Gender differences
 Gene delivery, 116, 680
 Gene expression, 1376
 Gene gun, 661
 Gene regulation, 706
 Gene therapy, 334, 671, 1332, 1348, 1356
 Gene transfer, 1332, 1340
 Generic drugs, 1321
 Genetic engineering, 813
 Genetic function approximation, 303
 Genetic immunization, 661
 Genetic polymorphism, 517
 Genotype, 517
 Gentamicin, 1233, 1876
 Gestodene caproate, 1419
 GI transit time, 1281
 Glass transition temperatures, 762, 843, 1117, 1202, 1828
 Glibenclamide, 1696
 Glow discharge, plasma disposition, 783
 Glucagon-like peptide-1, 254
 Glucocorticoids, 296, 461
- Glucose, 883
 Glutamate, 31
 Glutaraldehyde, 1019
 Glutathione S-bimane, 1851
 Glycoconjugate, 23
 Glcoprotein, 23, 296
 Glycosylation, 641
 Goserelin, 1449
 GPIIb/IIIa, 434
 Gravimetric moisture sorption isotherm, 768
 GS-X pump, 1851
 Guar gum, 1019, 1196
- H2-anatagonists, 53
 Half-like, 1621
 Haloperidol, 1640
 Hard gelatin capsule, 1026
 Health status utility assessment, 105
 Heat stress, 650
 HEK 293, 411
 Hemodynamic effects, 1063
 Hemolysis, 918, 1844
 Heparin, 1046
 Hepatitis B core antigen, 1708
 Hepatocyte culture, 1533
 Heteronuclear multiple bond correlation NMR, 1300
 Hexadecane, 1490
 Highly variable drugs, 98
 Hirudin, 783, 1456
 Histidine, 1096
 Histology, 482
 HIV protease inhibitors, 423, 1145, 1401, 1799
 HP- β -CD, 1562
 hPepT1, 1376
 HPLC, 1270, 1414
 HPLC/APCI/MS, 93
 HPMPc, 1903
 HT-29(B6) cell monolayers, 58
 Human growth hormone, 357
 Human immunodeficiency virus (HIV), 819
 Human intestine, 950
 Human monocytes, 296
 Human skin balancing assay, 280
 Hydrogel, 557, 1019
 Hydrogen peroxide, 1137
 Hydrolysis, 650, 843, 931
 Hydrophilic solutes, 1882
 Hydrophilicity, 1414
 Hydrophobic interactions, 66, 1407
 Hydrophobic ion pairing, 1233
 Hydrophobicity, 1401
 Hydroxyapatite, 606
 Hydroxychloroquine enantiomers, 897
 Hydroxyethylcellulose, 1137
 Hydroxypropyl methylcellulose, 474
 Hydroxypropyl- β -cyclodextran, 1051
 Hydroxypropylmethylcellulose, 1696
 Hydroxypropylmethylcellulose phthalate nanosphere, 1748, 1753
 Hyalan, 1557

- Ibuprofen-Na, 482
 ICP-MS, 347
 IL-10, 1895
 Ileum, 1160
 Immobilized artificial
 membrane, 1270, 1401
 Immortalized cell line, 1275
 Immunosuppression, 1895
 Implants, 325
In situ gel, 1189
In vitro absorption, 726
In vitro dissolution, 1085
In vitro epithelial cell model,
 964
In vitro model, 53
In vitro permeation, 145,
 877, 1182
In vitro-in vivo relationship,
 726
In vivo percutaneous
 absorption, 1589
 Individual bioequivalence,
 1321
 Individual evaluation, 1796
 Indocyanine green, 751
 Indomethacin, 755, 835,
 1019
 Inert matrix tablets, 216
 Inference, 276
 Inflammation, 706
 Infrared, 944
 Inhalation, 562, 806, 1748
 Inhibition of intestinal
 proteases, 263
 Injectable poloxamer gel, 482
 Insulin, 1637
 Insulin association, 1434
InteliSite® capsule, 1869
 Intercept metric, 1292
 Intercerebral microdialysis,
 1657
 Interferon- β , 641
 Interleukin 2, 1808
 Interleukin-1 receptor
 antagonist, 1557
 Intermolecular forces, 1407
 Interspecies scaling, 1474,
 1630, 1792
 Intestinal absorption, 1869
 Intestinal clearance, 221
 Intestinal delivery, 850, 1525
 Intestinal drug transport, 66,
 1141
 Intestinal intubation, 953
 Intestinal lumen, 371
 Intestinal metabolism, 239,
 1007
 Intestinal mucosa, 626
 Intestinal permeability, 239,
 499, 856
 Intestinal secretion, 371, 856
 Intestinal site-dependent
 metabolism, 1799
 Intestinal transport, 411,
 1160
 Intestine, 826, 1348, 1609
 Intracellular lipids, 495
 Intracellular
 phosphorylation, 819
 Intragastric administration,
 488
 Intramuscular
 administration, 1485
 Intra-peritoneal, 583
 Intra-tracheal, 583
 Intratumoral injection, 128
 Invasin, 153
 Iodination, 1469
 Ion pairing, 188
 Ionic bonds, 1407
 Ionic detergents, 188
 Ionic mobility, 1569, 1579
 Iontophoresis, 377, 984,
 1569, 1579, 1596
 Ischemic stroke, 31
 ISIS 3521, 583
 Isomerization, 1456
 Isothermal, 1702

 Jackkife, 405
 Jejunum, 1160, 1348
 Jet-milling, 149

 Keratinized oral mucosa, 495
 Keratinocytes, 1684
 Ketoconazole, 698
 Kubelka-Munk, 1714

 Labeling, 1469
 Lactose, 1835
 Lag time, 474
 Lectin, 23, 1031
 Leflunomide, 286
 Leptin oxidation, 632
 Leukotriene D₄, 1753
 Leuprolide acetate, 1442
 Lewis lung carcinoma, 1552
 LHRH, 1480
 Lidocaine-HCl, 482
 Ligand design, 368
 Lipid bilayer, 1507
 Lipid DNA, 671
 Lipid extraction, 495, 1857
 Lipidic polyamides, 776
 Lipid-protein interaction,
 1507
 Lipophilicity, 739
 Lipophobicity, 1407
 Liposomes, 128, 149, 209,
 334, 352, 455, 461, 525,
 538, 661, 739, 1038, 1356,
 1364, 1407, 1737, 1775
 Lipopolysaccharide (LPS),
 1603
 Local anesthetics, 1579
 Local drug delivery, 783
 Localization, 1244, 1596
 logP, 499
 Long-circulating, 1046
 Long-circulating liposomes,
 1552
 Loss modulus, 1131
 Loss tangent, 1131
 Lottery equivalence, 105
 Low temperature x-ray
 powder diffractometry,
 194
 Low-density lipoprotein
 receptor, 531
 Lung, 1480
 Luteinizing hormone
 releasing hormone, 1857
 Lymph nodes, 1485
 Lymphatic transport, 745
 Lymphatic uptake, 745
 Lyophilization, 1215
 Lyophilized liposomes, 149

 Macromolecular drugs, 1189
 Macrophages, 1485
 Magnesium, 347
 Mannitol, 984
 Matrix metalloprotease
 inhibitors, 1414
 MDCK cells, 964
 Mdr1a (*-/-*) *in vivo*
 recovery, 1657
 MDR1-MDCK, 1520
 Measurement theory, 276
 Mefenamic acid, 698
 Membrane ELISA, 338
 Membrane permeability, 719,
 1141, 1174, 1387
 Membrane transport, 1182
 Metabolism, 856, 1589,
 1609, 1684
 Metal-catalyzed oxidation,
 1096
 Methotrexate, 133
 Metoprolol, 466, 698, 1310
 Micelles, 850, 1525, 1552
 Microcalorimetry, 200
 Microdialysis, 133, 570, 1673
 Microencapsulation, 357
 Microspheres, 312, 357,
 557, 1708
 Mikasome, 1775
 Minipig, 1614
 Miscibility, 1202
 Mixing, 562
 Model, 690, 1579
 Modified equilibrium
 dialysis, 1640
 Modulated differential
 scanning calorimetry,
 1117
 Molecular dynamics, 303,
 368, 972
 Molecular mobility, 762,
 1828
 Molecular modeling, 23
 Molecular organization, 1507
 Molecular pharmacodynamic
 endpoints, 1546
 Monitoring, 883
 Monocarboxylic acid, 411
 Monomeric insulin analogs,
 1434
 Monte Carlo simulations, 98,
 1069, 1621
 Morphine, 570, 599, 1673
 Morphine-3-glucuronide,
 599
 MRP, 1851
 Mucin, 863
 Mucus, 66
 Multi drug resistance, 1168
 Multi-dose, 988
 Multidrug resistance, 706,
 1851
 Multiple-dose clinical
 pharmacology trials, 1796
 Multiple-dose equivalence
 trial, 98
 Multivalency, 1652
 Muscle, 133
 Myotoxicity, 680

 N, N-acyl migration, 1300
 Na⁺/taurocholate-
 cotransporting
 polypeptide, 1533
 Na⁺-nucleoside transport,
 950

 Nalorphine, 1673
 Nanocapsules, 1056
 Nanoparticles, 153, 544, 550,
 1046, 1051, 1495, 1844
 Nanospheres, 318
 Nasal absorption, 77, 270
 Nephrotoxicity, 734
 Nerve, 1038
 Nerve growth factor, 377
 Net water flux, 1314
 Neuraminidase inhibitor,
 1300
 Neutral endopeptidase, 1499
 Neutralization, 1714
 Nisoldipine, 1690
 Nitric oxide, 870, 1063
 Nitric oxide synthase, 1063
 Nitro radical anion, 1690
 Nitroglycerin, 614
 Nitro-L-arginine, 1063
 N-lauryl-carboxymethyl-
 chitosan(LCC), 1844
 NMDA, 31
 N-methyl-D-aspartate, 31
 NMR, 23, 1407, 1425,
 1737, 1816
 Nonaqueous suspension,
 1090
 Nonisothermal, 1702
 Nonlinear hyperbolic model,
 1069
 NONMEM, 1463
 Non-viral gene carrier, 116
 Non-viral transfection
 vector, 334
 Nortriptyline, 1640
 Nose, 1637
 Nozzle, 1835
 Nuclear factor kappa B
 (NF κ B), 1603
 Nuclear-factor-interleukin 6
 (NF-IL6), 1603
 Nucleic acids, 661
 Nucleoside reverse
 transcriptase inhibitors, 819
 Nucleoside therapy, 819
 Nucleosides, 1145

 O-acyl-propranolol, 626
 Octanol, 1490
 Ocular irritation, 1275
 Oligodeoxynucleotide, 904,
 1540
 Oligonucleotide, 583, 1364,
 1596
 Ophthalmic drugs, 1275
 Oral, 583
 Oral absorption, 47, 233,
 1696, 1792
 Oral drug delivery, 925,
 1305, 1876
 Oral uptake, 153
 Organic anions, 72
 Oropharynx, 1131
 Oscillatory rheometry, 1131
 Osmotic pump, 1562
 Ovarian cancer, 122, 1540
 Ovariectomy, 1640
 Oxidation kinetics, 632, 1137

 Packaging, 1137
 Paclitaxel, 122
 Pancreatic cancer, 1767
 Papain, 1393

- Paracellular Transport, 53, 1882
 Paracetamol, 1122
 Paramagnetic resonance, 525
 Parameter, 690
 Partial AUCs, 399, 1292, 1621
 Partial least squares regression, 303
 Particle formation, 1835
 Particle size, 149, 1727
 Partition behaviour in microemulsions, 799
 Partition coefficient, 209
 Partitioning, 739, 1490
 Passive diffusion, 1370
 PEG, 312
 Pegylation, 576, 1822
 Penetration, 1680, 1863
 Penetration enhancer, 925
 PEO, 1903
 PEP inhibitor, 1908
 PepT1, 338, 979, 1154, 1244, 1382
 PepT2, 1244
 Peptide, 254, 650
 Peptide formulation, 1434
 Peptides, 1449, 1480
 Peptidomimetic, 719, 1174
 Peptidomimetic stability, 434
 Percolation theory, 216
 Percutaneous absorption, 85, 988
 Perfluorodecalin, 1090
 Perfused kidney, 1499
 Permeability, 47, 1154, 1382, 1490, 1507
 Permselectivity, 984
 Peroral peptide delivery, 263
 Peyer's patches, 153, 863
 P-glycoprotein, 371, 599, 706, 712, 856, 993, 1001, 1168, 1520, 1657, 1666
 Phagocytosis, 312
 Pharmaceutical excipient, 1326
 Pharmacodynamics, 442, 599, 911, 1063, 1069, 1760
 Pharmacogenetics, 517
 Pharmacokinetics, 47, 93, 128, 228, 347, 442, 570, 576, 583, 599, 690, 883, 904, 911, 1063, 1085, 1196, 1469, 1474, 1609, 1630, 1782, 1895
 Pharmacometrics, 690
 Pharmacoscintigraphy, 417
 Phase diagram, 557
 Phase plane method, 1262
 Phase separation, 1202
 Phase transitions, 1507
 Phenotype, 517
 pH-metric method, 1407
 Phonophoresis, 85
 Phosphatidylinositol, 739
 Phosphatidylserine, 1250
 Phosphoramidon, 1499
 pH-rate profile, 434
 Physiological media, 698
 Plascity, 1122
 Plasma, 751, 1640
 Plasma clearance, 1474
 Plasma free fraction, 93
 Plasma protein adsorption, 312
 Plasmid, 680, 1743
 PLGA, 357, 1103
 Pluronic block copolymer, 1525
 PMEAs, 239
 Polar surface area, 972
 Polarized efflux systems, 719
 Polarized monolayer, 1851
 Poloxamer, 318, 1364
 Poloxamine, 318
 Poly(acrylic acid), 802
 Poly(alkyl cyanoacrylate), 550
 Poly(D,L-lactide-co-glycolide), 1111
 Poly(ethylene glycol), 544, 557, 1189
 Poly(ethylene oxide)-poly(lactide/glycolide)-polylysine-FITC, 1495
 Poly(isobutylcyanoacrylate), 1051
 Poly(lactic acid)-polyethylene glycol, 270
 Poly(lactide co-glycolide), 357, 794, 1708
 Poly(methacrylic acid), 1189
 Poly(methyl methacrylate), 1046
 Polyalkylcyanoacrylate, 544
 Polyamine spider toxins, 31
 Polyethylene glycol, 562, 1737
 Polyethylenimine, 1332
 Polylysine, 680
 Polymer, 377
 Polymeric micelles, 1721, 1844
 Polymers, 813
 Polymorphism, 794, 1122, 1425
 Poorly water soluble drug, 1562
 Population pharmacokinetics, 614, 1463
 Porcine epidermis, 1857
 Pore, 1569, 1579
 Portal-systemic difference method, 1007
 Positron emission tomography, 1141
 Postmenopausal women, 877
 Post-operative, 325
 Potentiometric log P determination, 1310
 Potocytosis, 826
 Powder design, 1748, 1753
 Powder inhalations, 806
 Powders, 1835
 Pramlintide, 650
 Pranlukast hydrate, 1748, 1753
 Pravastatin, 72
 Prediction errors, 466
 Prediction of brain uptake, 1270
 Prediction of *in vivo* performance, 11
 Prednisolone, 1562
 Prednisolone sodium phosphate, 58
 Prenatal cocaine exposure, 488
 Protease structure, 632
 Preservatives, 200
 Primates, 671
 Primidone, 1085
 Proanthocyanidins, 936
 Probability equivalence, 105
 Probenecid, 1666
 Prodrug, 239, 434, 931, 1154, 1382, 1419, 1485, 1782
 Progesterone, 794, 1051
 Progestin, 1419
 Proliferative indices, 1546
 Prolyl-endopeptidase (PEP), 1908
 Propofol, 442
 Propranolol, 739, 953
 Propyleneglycol dipelargonate, 1490
 Protease inhibitor, 417
 Proteases, 1393
 Protective effect, 734
 Protein, 562, 1090, 1895
 Protein aggregation, 768
 Protein binding, 592, 1640
 Protein characterization, 632
 Protein delivery, 270, 1552
 Protein disulfide isomerase, 1808
 Protein expression, 816
 Protein folding, 1808
 Protein formulation, 200
 Protein mobility, 1816
 Protein mucosal transport, 270
 Protein renaturation, 1808
 Protein stabilization, 843
 Protein stability, 1215, 1456
 Protein unfolding, 246
 Proteins, 188
 Pseudopolymorph, 1425
 Pulmonary gene medicine, 1743
 Pulmonary targeting, 461
 Pulsatile release, 474
 Pyrene, 1721
 Pyrrolinone bioisostere, 719
 Pz-peptide, 1882
 Quantitation, 755
 Quantitative analysis, 1714
 Quantitative structure-activity relationship, 286, 303
 Quinolone carboxylic acid, 286
 Quinolones, 1069
 Rabbit ileum, 620
 Radioligand-binding assay, 1001
 Ramipril, 1310
 Ranitidine, 53, 1281, 1869
 Rapamycin, 1666
 Rapid screening methods, 1257
 Rat kidney, 1244
 Rat pups model, 488
 Rat vs. human, 1474
 Rate control, 1238
 Rats, 442, 751, 904, 911, 1314, 1557, 1792
 Reactive oxygen species, 1096
 Receptor affinity, 296
 Receptor-mediated endocytosis, 826
 Recombinant human leptin, 632
 Rectal mucosa, 870
 Regional fluid movement, 1314
 Regional gastrointestinal uptake, 1370
 Regional-dependent absorption, 221
 Relative humidity, 768
 Relaxation times, 1425
 Release rate, 461
 Renal handling, 734
 Reservoir system, 877, 1238
 Residual moisture, 768
 Residual solvent, 1233
 Responsive porous polymer membrane, 802
 Retention, 1863
 Retrodialysis, 1673
 Retrovirus infection, 139
 Rhodamine-123, 1657
 rHuMGDF, 1822
 Ribavirin, 950
 Rifamycin antibiotics, 1286
 Rifapentine, 1286
 Risedronate, 228
 Ritonavir, 423
 Rivastigmine, 1614
 RM3/1 antigen, 296
 RP-HPLC, 1442
S. aureus, 325
 Salbutamol sulphate, 806
 Salicylic acid, 343
Salmonella typhimurium, 544
 Sampling, 883
 Saquinavir, 417, 423, 1117
 Scanning electron microscopy, 149
 Scavenging, 1690
 Scintigraphy, 1026
 Scoring, 368
 SEC, 1442
 Seizures, 1069
 Self-assembly, 538
 Serum albumin, 449, 592
 Similarity factor, 889
 Single pass perfusion, 1314
 Single-dose, 98
 Site-specific absorption, 221, 325, 1869
 Site-specific delivery, 1370
 Skin, 82, 988, 1596
 Skin abrasion, 1614
 Skin barrier function, 492, 525
 Skin color measurement, 280
 Skin erosion, 883
 Skin isoelectric point, 984
 Skin metabolism, 1680
 Small angle x-ray scattering (SAXS), 538
 Small intestine, 58, 925
 Sodium salicylate, 1019
 Solid lipid nanoparticles, 745
 Solid state nuclear magnetic spectroscopy, 110
 Solid tumors, 1546
 Solubility, 188, 1012, 1844

- Solubility parameters, 1370
 Sonoporation, 918
 Species difference, 429, 449, 592
 Spray-drying, 768
 Spreading coefficient, 1727
 Squalene synthase inhibitor, 1782
 Stability, 77, 200, 434, 1090, 1702, 1822
 Stabilizing additives, 1103
 Stabilizing agents, 1111
 Stable isotopes, 347
 Standard gamble approaches, 105
 Steady state pharmacokinetics, 1077, 1796
 Stealth nanoparticles, 270
 Step-through type passive avoidance test, 1908
 Stereoselectivity, 626, 1250
 Storage, 82
 Storage modulus, 1131
 Stratum corneum, 492
 Strength of interaction, 1727
 Subcutaneous absorption, 254, 583
 Succinimide formation, 1456
 Sunscreen, 1863
 Supercritical carbon dioxide, 1233, 1835
 Suprofen, 343
 Suramin, 1760
 Surface area, 776
 Surface charge, 1340
 Surface energy, 502, 1727
 Surface modification, 1748, 1753
 Surface morphology, 1222
 Surface roughness, 1222
 Surface topography, 1222
 Sustained release, 357, 461, 1189, 1196
 Sustained-release dosage forms, 1370
 Synthesis, 606
 Systemic absorption, 482
 Tablet matrices, 1903
 Tachykinin, 1012
 Tacrolimus, 1609
 Targeted drug delivery, 816
 Targeted prodrug, 1012
 Taurocholate transport, 1533
 Taxol, 1844
 T-cell uptake, 1401
 Ternary component, 562
 Terpenes, 1857
 Terplex system, 116
 Tetanus toxoid, 1103, 1111
 Tetracycline, 606
 Tetragastrin, 1387
 Texture analysis, 1903
 TH-142177, 911
 Therapeutic drug monitoring, 1640
 Thermal denaturation, 449
 Thermal stability, 110
 Thermodynamics, 23
 Thermogenesis, 944
 Thiacetazone, 1760
 Thiol, 1690
 Thrombin inhibitor, 751
 Thymidine, 1546
 Thymopentin, 1702
 Thyrotropin-releasing hormone analog, 177
 Tight junctions, 53, 964, 1393
 Tissue disposition, 139
 Tissue distribution, 1250, 1775
 Titer, 1652
 Tmax, 276
 Tolmetin, 343
 Topical delivery, 1596
 Topology, 1340
 Tracheal epithelial cell layer, 979
 Transcytosis, 826
 Transdermal, 145, 352, 614, 883, 877, 883, 984, 1238, 1419, 1596, 1614, 1684
 Transepidermal water loss, 492
 Transmucosal absorption, 246, 1326
 Transport, 377, 525, 925, 979, 1145
 Trehalose dihydrate, 1207, 1215
 Triamcinolone acetonide, 461
 Triazenes, 931
 Triptorelin, 1449
 Troglitazone, 944
 Truncated AUCs, 1621
 Trypsin, 1393
 Tumor, 128
 Tumor targeting, 1552
 Tumor therapy, 531
 Ultrafiltration, 93
 Ultrasonic nebulization, 1743
 Ultrasound pretreatment, 1680
 Uncoupling protein, 944
 Uridine, 1007
 Vaccine, 270, 1111, 1708
 Validation, 466
 Vancomycin, 734
 Vehicle, 1863
 Verapamil, 712, 856, 1001, 1160, 1250, 1666
 Viability, 82
 Vinblastine, 712, 1160
 Vinylsulfone peptidomimetic, 1520
 Viscoelastic, 1131
 Viscosity, 221, 1137
 Viscous meal, 233
 Visualization, 352
 VX2 carcinoma, 133
 Water, 835
 Western blot, 338
 Wheat germ agglutinin, 1031
 Wound infection, 325
 Xanthine oxidase inhibitors, 936
 X-ray crystallography, 23
 Zero-order, 1262
 Zidovudine, 139, 819
 Zomepirac, 343
 Zwitterion, 1182