

Keyword Index for Volume 32

A

S-Adenosylmethionine, 326
Affinity label, 38
Alternative binding schemes, 13
Amadori, 516
Amino acid, 170
 γ -Amino- β -hydroxybutyric acid, 473
 γ -Amino- β -hydroxypropylphosphonic acid, 473
Analogues, 438
Anthracene-based fluorescent boronic acid, 571
Anti-aromatase effect, 494
Anti-inflammatory activity, 211
Antimicrobial activity, 193
Antiviral activity, 536
aroB, 309
aroG, 309
aroM, 309
Asparagine synthetase B, 63
Assay, 178
1-Azadeoxyribose, 244

B

Benzophenone analogues, 211
Binding experiments, 263
Bioremediation, 92
Biosynthesis, 309
Bisubstrate analog inhibitor, 527
B–N bond, 571
Breast cancer, 494

C

cAMP-dependent protein kinase, 527
Carnitine, 473
Catalytic stimulator, 234
C–C hydrolase, 367
Chemical cross-linking, 451
Chiral hydroxymethylene, 51
3-Chloroacrylic acid dehalogenase, 376
Cinchonine, 223
Copper(II), 13

Coumarin, 109
Cyanine dyes, 193
Cyclic prodrug, 109
Cyclodextrins, 223
Cytochrome P450 monooxygenases, 549

D

S-DABOs, 536
Dead-end inhibition, 63
Degradation, 263
Dehydroquinic acid, 309
3-Deoxy-D-arabino-heptulosonic acid 7-phosphate synthase, 309
Deoxyribozyme, 582
Deoxyxylulose 5-phosphate reductoisomerase, 483
1,3-Dichloropropene, 376
1,1-Dimethoxypropanone, 560
Dimethyl sulfoxide, 234
Dioxygenase, 367
Dipeptidyl peptidase, 178
DNA ligation, 582
DNA methyltransferase, 234
DNAzyme, 582
Dnmt3a, 234

E

α -Effect, 26
Enantioselectivity, 504
Energetics, 341
Enolization, 341
Enzyme evolution, 376
Enzyme flexibility, 504
Enzyme inhibition, 244
Enzyme mechanism, 367
Enzymology, 234
Epoxide, 38
EryK, 549
ESR spectroscopy, 504
Esterase, 109

F

Fluorinated substrates, 393

G

Glutamine amidotransferase, 63

Glycation, 516

Glycerate, 51

H

Haloperoxidase, 367

HIV-1, 536

HIV-2, 536

HPLC analysis, 451

Human serum, 516

Hydrogen bonds, 1

$\alpha\beta$ -Hydrolase, 367

Hydroperoxide ion, 26

Hydroxyl ion, 26

Hydroxynitrile lyase, 367

I

4-Imidazolylflavans, 494

In vitro selection, 582

Inclusion complexation, 223

Insect oostatic peptide, 263

Isomeroreductase, 483

Isoprenoids, 483

K

Ketosteroid isomerase, 341

Kinetic mechanism, 63

Kinetics, 178, 234

L

Lawesson's reagent, 1

Leucine-enkephalin, 516

M

Malonate semialdehyde decarboxylase, 376

Marcus, 341

Mass spectrometry, 82, 223

Mechanism, 341

Melanin, 92

Melanophores, 1

Melatonin, 1

MEP pathway, 483

MEP synthase, 483

Metallo-DNA-base pairs, 13

4-Methylbenzoate ester, 26

Methylerythritol 4-phosphate, 483

Methylglyoxal, 560

Methylglyoxal polymers, 560

Missing genes, 309

Molecular modeling, 223

N

Nematocide, 376

Neobellieria bullata, 263

4-Nitrobenzoate ester, 26

NNRTIs, 536

Non-mevalonate pathway, 483

Nucleobases, 13

Nucleophilic ester cleavage, 26

Nucleosides RNA modification, 82

O

Oligopeptides, 170

Oostatic activity, 263

Opioid peptide, 109

Organic solvent, 504

P

PDF inhibition, 178

Pentacoordinated phosphoranes, 170

Peptide deformylase, 178

Peptide maps, 451

Peptide phosphorylation, 527

PET, 571

Phosphocarnitine, 473

PikC, 549

Polyketide, 549

Polyketide synthase, 92

Porphobilinogen synthase, 316

Protein systems, 438

Protein–protein interactions, 451

Protocols, 451

R

Rate constant, 26

Reaction coordinate, 26

Retinoids, 38

S

Serine, 51

Shikimic acid, 309

Solid-phase synthesis, 170

Solvatochromism, 193

Stability, 38

Stereochemistry, 51

Structural effect, 109

Structure, 341, 451

Structure–activity relationships, 494
Substrate-structure, 26
Subtilisin, 504

T

T4 DNA ligase, 582
Tartrate dehydrogenase, 51
Tautomerase superfamily, 376
Thermophilic bacteria, 309
Transfer RNA, 82

Transition states, 26, 341
Transition-state mimics, 244
Tridentate pyridine ligands, 13

U

Uracil DNA glycosylase, 244

V

Volatile organic compounds, 92