

Keyword Index

Acanthaceae	356	Anthracenemethanol	77
Acetamidation	327	Anthranilic acid	264
Acetic acid	1274	Antibacterial	929, 1384, 1406
Acetophenone	1561	Antibacterial activity	830, 944, 956, 1155
Acetoxyborohydride	495	Antibacterial property	1547
Acetylbutyrolactone	836	Anticancer	224, 948
Acid hydrazide	1667	Anticancer activity	1109, 1542
Acidic ionic liquid	611	Anticonvulsant	547
Active methylene compounds	390, 1428	Antifungal	475, 929, 1267
Acute toxicity	364, 1398	Antifungal activity	830, 956,
Acyl azide	812	Antifungal potential	247
Acyl halides	1225	Antiglaucoma	224
Adamantlyazetidinyloxy indoles	1398	Anti-inflammatory	131, 1076, 1642,
Adamantlythiazolidinyloxy indoles	1398		1671
Adrenergic blocking agent	606	Antiinflammatory activity	264, 364, 1109, 1542
Agrochemicals	1235, 1657	Antimicrobial	131, 351, 1267
<i>Albizia lebbek</i>	123	Antimicrobial activity	107, 209, 578, 802,
AlCl ₃ .6H ₂ O	360		818, 1117, 1130,
Aldehyde	360		1515, 1675
Aliphatic ester	1648	Anti-osteoclast agent	1257
Alkylation	1389	Antiparkinsonian activity	1398
Alkylidene-3-methylsuccinimides	1071	Antitubercular	1384
Allyl aryl ethers	1552	Antitubercular activity	802
Allyl-4-methoxybenzoate	260	Antiviral study	965
Aluminium nitrate	1653	Anxiolytic	1642
Amberlite	1561	Apocynaceae	374
Amidine	1076	Aqueous media	253
Amines	1225, 1274	Aqueous phase	209
Amino alcohol	606, 1372	Aqueous phase synthesis	1155
Amino carbonyl compounds	1653	Araldehydes	1127
Amino ketones	482	Aromatic aldehydes	390, 1428
Amino-1,3,4-thiadiazoles	1547	Aromatic compounds	573
Amino-5-methylisoxazole	1144, 1422	Aroylmethylene-2 <i>H</i> -indol-2-one	1135
Aminobenzenesulphonic acid	1556	<i>Artocarpus heterophyllus</i>	1264
Amino-hydroxypyrimidinone	1379	Artindonesianin F	1264
Amino-isoxazolone	1379	Aryl boronic acid	565
Amino-mercaptopyrimidinone	1379	Aryl isothiocyanates	1667
Aminomethylindoles	327	Aryl-12 <i>H</i> -indolo[2,3- <i>e</i>][1,4]benzo-	1135
Aminonicotinaldehyde	253	diazocine	
Amino-pyrazolone	1379	Arylamino	323
Aminopyridine	368	Arylidene	818
Aminothiazolecarboxamide	1229	Arylidene-2-phenyl-5-oxazolone	1422
Aminothiophene	270	Asymmetric dihydroxylation	260
Aminothiophenol	593	Atom efficient	1678
Ampelopsin - 3',4',5',7-tetramethyl-	386	Azetidin-2-one	1662
ether		Azido alcohol	978
Analgesic	1642, 1671	Azidolysis	812
Analogs	323	Azidomethyl-2-oxazolidione	96
<i>Andrographis paniculata</i>	356	Azomethine ylide	127
Androstane	948		
Anhydride adducts	789	Benzenesulfonyl chloride	923
Annonaceae	112	Benzimidazole	937, 1130, 1515

Benzimidazolyl chalcone	989	Cinnoline	830
Benzodiazepines	461	Cinnoline-3-yl-imidazo-	1547
Benzofuran	264, 1561	[2,1- <i>b</i>][1,3,4]thiadiazoles	
Benzopyran-2-one	836	Claisen rearrangement	1363, 1552
Benzoquinone	1637	Claisen-Schmidt condensation	351, 382
Benzothiazepines	1267	CNS depressant activity	1509
Benzothiazole	818, 1662	Cobalt(II) complex	1140
Benzoxazinone	929	Coleon U 12-methyl ether	807
Benzyl alcohol	340	Conformational mobility	1098
Benzyl chloride	340	Conjugate addition	1290
Benzyl etherification	795	Control aldol condensation	512
Benzyl bromides	771	Copper(II) chloride	1290
Benzylideneaminophenyl-ethanones	247	Coumarin	971
Benzylidenemalononitriles	247	Cresol	379
Benzylidene tetralones chalcones	944	Cuparenes	1363
Biaryls	565	Copper chloride-diethylamine complex	379
Biginelli reaction	578, 611	Curtius rearrangement	69, 1271
Binding core	1098	Cyclisation	965, 1535
Biological agent	1151	Cycloaddition	127, 1662
Bis(carbethoxy)-2-aryl-4-phenyl/(4-chlorophenyl)-4-oxobutane	917	Cyclohexan-1,4-dione	561
Bis-benzoxazine	1083	Cyclohexanone	346
Bischromones	216	Cyclopropyl ketones	573
Bis-ester	251	Cytotoxic	123, 323
Bisglycoside	123		
Bis-sydnone	960	Deesterification	1526
Boc ₂ O	1372	Dehydrative cyclizations	1071
BOP	812	Dendrodione	323
Bromate	1678	Deoximation	1140
Bromide	1678	Dianion	985
Bromination	379	Diaryl ketones	199
Bromoacetyl-4-methylcinnolines	1547	Diarylsulfonyl ethene	1379
Bromodimethylsulfonium bromide	482	Diastereotopic nature	917
Bromoethoxyphthalimide	368	Diazepines	84
Bromomethylindole	327	Dibromostyryl ketones	364
Bromoxynil	1678	Dibromoxylenes	771
		Dicarbonyl compounds	360
Calix[4]arene	1098	Dichloronaphthoquinone	115
Carbazones	1261	Diffuorinated propanediones	364
Carbocation rearrangements	203	Dihydro-3-[2-(2-aminoethyl-imino)-2-aryl-ethylidene]indol-2-one	1135
Carbohydrazide	1271	Dihydrofuropyrazole	836
Carbonic anhydrase	224	Dihydropyrimidine-2-(1 <i>H</i>)-ones	360
Carbonyl compounds containing α -methylene group	253	Dihydropyrimidines	611
Carvedilol	606	Dihydropyrimidinones	346
Catalytic oxidation	379	Dihydropyrimidones	578
Chalcone	131, 199, 256, 351, 364, 830, 1267, 1290, 1422	Dihydroxynaphthalene	251
		Diketones	84
Chemoselective reduction	512	Dimethylenecyclobutene	1565
Chemoselectivity	1274, 1526	Diorganodichlorosilanes	985
Chiral building block	260	Dioxadiazasilacyclotridecines	985
Chloramine-T	500, 1088	Dipolarophile	127
Chlorine	89	Dipyridine cobalt chloride	532
Chlorochromones	1267	Diterpenes	356
Chloromethyl-3-arylquinazolin-4(3 <i>H</i>)-one	923	Diterpenoidal glycoside	356
		Dye	561
Chromanone	505		
Chromen-2-one	107	Enantioselective reduction	199
Chromenones	1417	Enantiospecific	776
Chromone	505	Enokipodins	1363
Chromophore	216, 561	Epoxidation	598
		Ester	131

Ethanol potentiation test	241	Indane-1,3-dione	1261
Ethoxyphthlimidoquinoxaline	818	Indigo	561
Ethyl (2-oxooxazolidin-5-yl)-methylcarbamate	96	Indium trichloride	795
Ethyl cyanoacetate	1379	Indole	323
Ethylenediamine	84	Indole derivatives	1290
		Indolylketones	1290
Fabaceae	256	Insecticidal	1406
Fe ³⁺ -K10 heterogeneous catalyst	1394	Insecticidal activity	830, 956
FeCl ₃ ·6H ₂ O	335	Iodobenzene diacetate	840
Fluorescence	944	Ionic liquid	461, 587
Fluorine	89	Ioxynil	1678
Formalin	1083	IRC	1565
Formylthiosemicarbazide	1642	Irradiation	234
Friedel-Crafts cycloalkylation	203	Isatin	368, 1117
Friedel-Crafts reaction	340	Isocyanate	69, 978
Friedlander synthesis	253	Isoxazole	368
Fungicidal activity	1235	Isoxazolidine	234
Fused benzimidazole	1515	Isoxazoline	102, 1282
		Isoxazolo[1,2]oxazine	1282
GABA modulators	554	Isoxazolo[2,3- <i>a</i>]pyrimidines	1422
Glass slide humid chamber technique	1271	Isoxazolyl quinoline	1144
<i>Goniothalamus wightii</i>	112	Isoxazolopyridazine	1282
Gossypin analogues	1542	Isoxazolyl benzothiazine	1144
Green synthesis	526	Isoxazolyl benzoxazines	1413
Grindstone method	1428	Isoxazolyl coumarins	532
		Isoxazolyl oxadiazinane-4-thione	119
H₂O₂	937	Isoxazolyl phenols	532
Halopyridines	1088	Isoxazolyl triazoles	1667
Hantzsch reaction	587	Isoxazolyl trizine-2-thione	119
Heptacosane-3-enyl-5-hydroxyhexanoate	374	Kalmegh	356
Herbicide	1678	Keto sulfones	937
Heteroaryl motifs	1229	Ketoesters	84, 532
Heterocyclic	475	Ketones	461, 1526
Heterocyclisation	1243	Knoevenagel	1243
Heteropoly acid	340	Knoevenagel condensation	390
<i>Hexagona tenuis</i>	489	Kojic acid	1264
Hexahydroquinazolinones	346	Krohnke's pyridine synthesis	971
HF	1565		
High yield	1155	Labda-14-en-8,13-diol	807
HMQC	1098	Lactone	112
Homogeneous catalysis	1140	Lanthanum (III) nitrate hexahydrate	84
Hydrazides	526	Lewis acid	327
Hydrazinolysis	603	Lichesterinic acid	1071
Hydrazones	1261, 1384, 1526	Lignin peroxidase	489
Hydroboration	495	Linear compound	112
Hydrotalcite	469	Lipid diester	256
Hydroxy sulfones	937		
Hydroxylamine hydrochloride	1127	Maesa indica	1637
Hypoglycemic activity	1499	Maesaquinone	1637
H-ZSM-5	340	Maleamic acids	487
		Maleimides	487
Ibandronate sodium	1257	Malononitrile	247
Imidazo(1,5- <i>a</i>)quinoxalines	554	Mannich reaction	482, 1653
derivatives		Mannich-type reaction	617
Imidazoles	1394	Maximal electroshock	1531
Imidazolin-5-ones	603	Maximum electroshock seizure	241
Imine	1662	method	
Imineones	247	<i>Meloidogyne incognita</i>	1657
Imino-pyrimidinedione	1379	Mercaptoacetic acid	1151
<i>In vitro</i>	948, 960	MES	1509
		Mesoionic	960

Mesoionic isomer	1229	Oxazolidinone	96, 978
Methanesulfonyl chloride	923	Oxidation	495, 1140, 1526
Methoxilation	379	Oxidative cyclization	1088
Michael addition	469, 512	Oxoocetyl-2-hydroxyundecanoate	374
Michael reaction	1243	Oxooxazolidin-5-yl-methylurea	96
Michael type addition	603		
Microbial activity	1271	<i>p</i> -Benzochinone	807
Microbial transformation	199	Pd-salen	565
Microwave	360, 989, 1127, 1225, 1535, 1648	PEG	944
Microwave irradiation	335, 390, 469, 500, 512, 611, 1083, 1135, 1274, 1417, 1547, 1561	Peptide acid azides	69
		Peptido-conjugates	1098
Microwave synthesis	826	Peptidyl alcohols	1372
Microwave-assisted organic synthesis	1394	Peptidyl carbamates	69
Mimoseae	123	PES	1565
Mixed ligand	1140	Pharmacological	960
Mono-rearrangement	251	Phase transfer catalysis	487, 937
Montmorillonite K 10	512, 1535, 340	Pheromones	495
Multicomponent reaction	360, 826, 1083, 1394	PhI(OAc) ₂	840
Myricetin-3,3',5',7-tetra methyl ether	386	Phosphate binding	1098
		Phosphazene	978
<i>N,N'</i> -bis(2-hydroxyacetophenonylidene)-1,2-diaminocyclohexane	985	Phosphine-free	565
NaBH ₄	937	Phosphotungstic acid	598
<i>N</i> -acetylation	1274	Photochemical	234
Naphthyridine	335, 382, 500, 840, 1271, 1417	Photocyclisation	216
Natural products	1637, 1648	Photo-Fries	251
<i>N</i> -BOC piperazine	923	Photoisomerization	216
<i>N</i> -Cyclohexyl- α -amino nitrone	102	Phthalimidanthracene	789
Nematicidal activity	1657	Phthalimide	131
<i>Nepeta clarkei</i> , Lamiaceae	807	Phthalimidoxyethyl bromide	818, 965
Neurotoxicity	1509	Picrylaminopyridine- <i>N</i> -oxides	1675
<i>N</i> -glycoside	1499	Piperidine-4-one	547
NH ₂ SO ₃ NH ₄	390	Plumbagic acid	386
Nicotinohydrazide	965	<i>Plumbago rosea</i> L.	386
Nitriles	1127	Polyhydroquinoline	587
Nitropyridines	1675	Polyphosphoric acid	107
<i>N</i> -Mannich bases	578	Polysubstituted benzenes	826
<i>N</i> -Methylpentan-1-amine	1257	Potassium triiodide	253
NMR	917	<i>p</i> -Phenylenediamine	1083
<i>N</i> -nucleoside	1535	Propanol	489
<i>N</i> -phenyl- α -amino nitrone	1155	Propargyl radical	1565
<i>N</i> -Phenyl- α -chloro nitrone	209	Protein kinase C inhibitor	1671
<i>N</i> ^{α} -Urethane protected amino acids	1372	Proton transfer	1556
		PSCl ₃	1225
O ligo- α -ureas	69	Psorachromene	256
One-pot	526, 617, 1535	<i>Psoralea corylifolia</i> L.	256
One-pot reaction	812	Psoralester	256
One-pot synthesis	611, 978, 826, 836, 1413, 1422, 1653	PTZ animal model	1531
<i>o</i> -Phenylenediamine	461	Purines	475
Optimization	1389	Pyrazole	505, 836, 1406
<i>Ortho</i> and <i>peri</i> fused heteropolycyclics	1243	Pyrazolecarbaldehydes	1417
OsO ₄ -dihydroxylation	1071	Pyrazoline	351, 505, 830, 989
Oxadiazoles	840, 1088, 1130, 1406	Pyrazolone	1406, 1671
		Pyrazolyl chalcone	971
Oxazine	1282	Pyridazine	1282
Oxazole	929	Pyridine	1127
		Pyridyl coumarin	971
		Pyrimidin-7-one	84
		Pyrimidines	475
		QSAR	224, 554, 948, 1235, 1657
		Quinazolin	1406

Quinazolinone	929, 1535	Substituted-2-oxazolidinone	606
Quinodimethane	561	Succinimidoanthracene	789
Quinoliny chalcones	1109	Sulfonamide	224, 1076
Radical	573	Sulphonation	1556
RCM reaction	1363	Suzuki reaction	565
Reductive acetylation	115	Swern oxidation	260
Regenerative catalyst	1389	Synthesis	487, 521, 573, 960, 1071, 1384, 1499
Regioisomer	77	Syringaldehyde	379
Regioselective	127	Tandem reaction	1526
Regioselectivity	209, 251, 598	Terpenoids	598
Regiospecific	77, 937	Tertiary amines	771
Resin	1561	Tetrahydroquinazolines	802
<i>R</i> -Glyceraldehyde acetonide	260	Tetramethyltetrahydro-phenanthrenes	203
<i>Rhizopus arrhizus</i>	199	Tetrazole	1499
Ribofuranosides	461	Thapsane	776
Ring-opening	234	<i>Thapsia</i>	776
Roseanoic acid	386	Thiadiazole	89, 115, 521, 1531
Rotarod method	241	Thiadiazoline	521
<i>Rotylenchulus reniformis</i>	1657	Thiadiazole	241
Salicylaldehyde	1151	Thiazole	323, 836, 1117
Saponin	123	Thiazolidinone	368, 1151
Schiff base	603, 1117, 1151	Thiazoline	1076
Secondary amines	771	Thiazolo[5,4- <i>d</i>]pyrimidines	1229
Selective	495	Thieno[2,3- <i>b</i>] pyridines	270
Semicarbazones	1384, 1509	Thiocarbohydrazide	593
Sensitized	234	Thionation	1225
Sesquiterpene	776, 1363	Thiosemicarbazide	89, 989
SGLT2 inhibitor	1499	Thiosemicarbazone	547
Silica	340	Thiourea	360
Sitosterol	807	Ti(III) chloride	573
Smiles rearrangement	1413	Tools for structure activity relationship (TSAR)	554
Sodium borohydride	1083, 1372	Triazine	593, 603
Sodium carbonate	1428	Triazole	89, 335, 500, 521, 593, 956, 1235, 1642, 1657
Sodium hydroxide	771	Triazolo-triazepines	475
Sodium tertiarybutoxide	346	Triethylamine	270
Solid acids	1552	Trimethyltetrahydro-phenanthrenes	203
Solid NaOH	382	Trimolecular condensation	119
Solid state	840	Tyrosinase inhibition	1264
Solid state reaction	1667	Ultrasonication	89
Solid state synthesis	1556	Unsaturated ketones	382
Solid support	1417	Unsymmetrical acetylene dicarb- oxylates	77
Solvent system	270	Unsymmetrical dienophile	77
Solvent-free	482, 526, 989, 1225	Urea	360
Solvent-free condition	102, 335, 382, 390, 795, 826, 1394	Ursolic acid	807
Solvent-free reaction	1428	Valeric acid	505
Solventless conditions	469	Veratryl alcohol	489
Sonication	1135	Vidanga	1637
Sonochemistry	351	Vilsmeier-Haack reagent	1417
Spiropyrrolidine	127	Zeolites	1552
Starburst phase transfer catalyst	1389	Zinc acetate	1274
Stereoselective	77	Zirconium(IV) chloride	617
Stereoselectivity	102, 209, 789		
Steric factors	789		
Steroids	948		
Stigmasterol	807		
Striatosporolide A	1071		
Substituted coumarin	971		