

Keyword Index

Acetamido ketone/ester	915		1357, 1364, 1455, 1521
Acetaminophen	691	Anticancer	560
Acetic acid	1536	Anticancer activity	266, 535
Acetic anhydride	686	Anticonvulsant	568
Acetoacetanilide	1146	Anti-diabetic	565
Acetylenic esters	1232	Antifungal	293, 1318, 1505
Acid hydrazides	1531	Antifungal activity	922, 1191
Acrylamides	1513	Anti-HIV activity	535
Active methylene compounds	694	Anti-inflammatory	565
Acyl-2,4-dihydroxyquinoline	776	Antileukemic activity	1455
Acylation	769, 810, 1352	Antimalarial activity	1236
Acylthiazolidinethione	769	Antimicrobial	1462, 1531
<i>Ageratum conyzoides</i>	1479	Antimicrobial activity	160, 282, 414, 671, 807, 904, 1176, 1224, 1342, 1431
Aldehyde	289, 814		
Aldehyde/ketone synthesis	1342	Antimicrobial investigations	448
Aldol condensation	405	Antimicrobial screening	136
Aldol reaction	929, 1202	Antioxidant	794
Aldoses	1536	Antipyretic	691
Alkyl isocyanides	1232	Antitubercular activity	293
Alkyl-2-chlorobenzimidazole	1210	Antitubercular screening	1531
Alkyl-2-mercaptobenzimidazole	1210	Aqueous ethanolic medium	122
Alkylation	769	Aqueous medium	802
Alkynes	122	Aromatic 3-aza-Cope rearrangement	1451
Allelochemical	953	Aromatic aldehydes	694, 915, 1137, 1214
AM1 method	164	Aryl imidazoles	266
Amide	901	Aryl methyl ketones	1137
Amino acid	394	Aryl-2-hydrazino-1,8-naphthyridine	1364
Amino alcohol	1342	Arylamino	560
Amino carbonyl compounds	1505	Arylbenzothiazole	1214
Amino phenol	691	Arylglyoxal	300
Amino-1,3,4-oxadiazoles	252	Arylidene derivatives	694
Amino-1,4-naphthoquinones	1431	Arylidene-2,2-dimethyl-1,3-dioxane-4,6-diones	1157
Amino-3-cyano-4,6-disubstituted pyridines	448	Arylidene malononitriles	306
Aminoimidazolecarboxamide	546	Arylidenes	937
Aminoimino-isoxazoles	1473	<i>Asclepiadaceae</i>	641
Aminothiazol-4-yl-pyrrolidine-based tartrate diamides	1325	Asymmetric C-C bond forming reaction	87
Aminothiophenols	1214	Asymmetric Henry reaction	87
Ammonium bromide	141	Atovaquone	1299
Ammonium persulphate	141	Aurones	1455
Ampicillin	164	Azetidinone	1236
Analgesic	691	Azide	526
Analogues	654		
Anilines	553	Basic alumina	306
Animal origin	573	Basic ionic liquid	1218
ANRORC	546	Benzimidazoles	535, 560, 1152, 1210, 1536
Anthelmintic activity	422	Benzisoxazole-3-propionic acid	160
Antibacterial	293, 405, 560, 1318, 1505	Benzodiazepine	136
Antibacterial activity	252, 266, 535, 698, 1191,		

Benzopyran	306	Cyanoacetic acid	810
Benzotriazole	432	Cyanoketones	937
Benzyl fluoro nitrone	1342	Cyanopyridines	671, 904
Benzylpurine	546	Cycloaddition reaction	1342
Biginelli reaction	1161	Cyclocondensation	942
Binol	394	Cyclohexane-1,4-diamine	1441
Biologically active	1176	Cyclohexanone derivatives	282
Bis(indolyl) methane	814	Cysteine	153
Bis(indolyl)alkanes	122	Cytotoxicity	109, 1236
Bis(pyrrolyl)alkanes	122		
Bis-imines	922	Darifenacin HBr	824
Bismuth nitrate pentahydrate	1161	DCC	1166
Bis-oxadiazolines	922	Decomposition	769
Bisthioalkylation	665	Dendrodione	560
Boric acid	814, 1513	<i>Dendryphon nanum</i>	565
Brine shrimp	1521	Diamino-pyrazoles	1473
Bromhexine	1441	Diamino-pyrimidinones	1473
Bromo-1-chlorovinyl-2 <i>H</i> -chromen-2-ones	1468	Diamino-thioxopyrimidines	1473
Bromobenzylidene-2,3,4,9-tetrahydro-1 <i>H</i> -carbazol-1-one	405	Diastereoselective	1468
Brønsted acid	245	Diastereoselectivity	146
Brønsted acidic ionic liquids	129	Dibenzo-18-crown-6	1352
Buserite	646	Dibromination	802
		Dibromo-2'-hydroxychalcones	141
Cadmium-proline	929	Dibromochalcones	141
<i>Calotropis procera</i> (Ait.) R.Br.	641	Diels-Alder reaction	553
Camphor-10-sulfonic acid (D-CSA)	245	Diethylaminosulfurtrifluoride	553
Carageenan	818	Dihydroimidazo [4,5- <i>b</i>]indolyl-isoxazoles	677
Carbazoles	405	Dihydroimidazole	568
Carbohydrate	526	Dihydropyrrolo [2,1- <i>a</i>] isoquinoline	1451
<i>Cassia absus</i> Linn.	953	Dimedone (5,5-dimethyl-1,3-cyclohexanedione)	306
Catalyst	289	Dimer-1	824
Cbz /Boc-amino alkyl isoseleno-cyanates	895	Dimer-2	824
CH ₃ COONH ₄	677	Dipolar cycloaddition	146, 922
Chalcones	432, 448, 807, 1352, 1455	Diterpene	901
		Dithia-4,9-diazaspiro[4.4]non-7-en-3-ones	519
Chemical transformation	901	DMSO	300
Chemometric descriptors	1325	DNA cleavage	794
Chiral nitroaldols	87	DNP	686
Chiral transition metal complexes	87	Doramectin	1313
Chloranil	1146	DPPH	654
Chlorinated isoxazolidines	146		
Chloroindoline-2,3-dione	1236	Eco-friendly	776
Chloroquinoline-3-carboxaldehyde	1146	Economically viable	1152
Chlorosulphonation	1468	Electrolysis	252
Claisen-Schmidt condensation	949, 1137	Electrooxidation	252
CNS depressant	568	Electrophilic aromatic substitution	810
Co-crystal	394	Enantioselectivities	937
Combinatorial protocol in multiple linear regression (CP-MLR) analysis	1325	Endophyte	565
Compositae	1479	Enolate	769
Conjugate addition	511		
Coumarin	422, 440, 904, 1224	FeCl ₃ .6H ₂ O	677
Coumarin-3-carboxylic acids	1157	<i>Ficus religiosa</i>	565
Crystal structure	282, 405	Flavan	1479
CuCl ₂	300	Flavanone	1479
CuI	289, 787	Fluorenone	794
Cupric chloride	1224	Fluoro isoxazolidine	1342
Cyanamide	526	Fluoro isoxazolidines	1342
		Food products	573
		Formyl-2(1 <i>H</i>)-quinalone	1146

Friedelane triterpenes	1527	Koenigs-Knorr method	654
Friedel-Crafts reaction	245		
Frontier molecular orbital	164	Labdanyl galactosides	641
Furanone	1357	<i>Lagascea mollis</i>	901
Fused isoxazoles	405	LC-MS/MS	573, 1313
		Leguminosae	953
G lass slide	440	Lipophilic	259
Glycosylated amino acids	895	Lithium chloride	306
Green approach	1218		
Green chemistry	1152, 1202	Magnesium organoselenolate	787
Green method	387	Maleic anhydride	686, 1166
Green synthesis	1210	Malononitrile	665
Grignard addition	1451	Meldrum's acid	1157
Grignard reagent	646, 787	Mercaptoacetic acid	519
Grinding technique	141, 511, 1210	Mercuric chloride	122
		Mesoionic isomer	546
H antzsch reaction	1218	Methicillin resistant <i>Staphylococcus aureus</i>	
Heteroaryl	300	(MRSA)	1441
Heteroaryl motifs	546	Methoxyestradiol	109
Heteroarylglyoxal	300	Methyl-2-arylethyl-arylcarboxamide	646
Heterocyclization	665	Methyl-4-hydroxyquinoline	1232
Heterogeneous catalyst	1431	Michael addition	929, 937
Humid chamber technique	440	Michael reaction	1137
Hydrazine	1531	Microbial activity	440
Hydrazino-3-phenylquinoxaline	273	Microwave	432, 776, 904, 1210
Hydroxy ester	289	Microwave irradiation	136, 306, 414, 646, 694, 698, 949, 1364
Hydroxyguanidine	526		
Hydroxylamines	646	Minimum energy diagrams	273
		Molecular docking analysis	282
I midazo [1,5- <i>a</i>] pyrazine	546	MOPAC calculations	282
Imidazoline	942	Moxidectin	1313
Indole	122, 810, 814	Mukaiyama aldol reaction	289, 1299
Indole derivatives	129	Multi-component coupling reaction	129
Induction effect	164	Multicomponent reaction	153, 387, 553, 915, 1218, 1232
Inflammation	818		
Inhibitors of TNF- α converting enzyme (TACE)	1325		
Intramolecular cyclization	665		
Iodine	519, 1352, 1505, 1536	Naphthoquinones	565
Ionic liquid	1342	Naphthyridine	440, 776, 698, 949
Isoindolin-1,3-dione	794	Nasal decongestant	568
Isomer	824	Natural catalyst	1172
Isonicotinoyl-5-(4-substituted)-2,3-dihydro-		NH ₄ F	694
1,3,4-oxadiazol-2-yl]-5-(pyridin-4-yl)-		Nitrones	146, 1157
1,3,4-oxadiazole-2-thiol	293	Nitrostyrene	929
Isoselenocyanato esters	895	Nucleosides	1536
Isoxazoles	671		
Isoxazoline	259	O ne pot synthesis	129, 387, 915
Isoxazolyl 1-oxa-6-thia-4,9-diazaspiro[4.4]non-2-en-8-ones	519	Organocatalysis	245, 1202
Isoxazolyl-		Organocatalyst	428
dihydro[1,2,4]triazolo[1,5- <i>b</i>]		Oxadiazole	422, 1318
isoxazoles	677	Oxazoline	942
Ivermectin	1313	Oxazolone	1357
		Oxidative cleavage	379
		Oximes	1455
		Oxidithioester	1224
		p38 Kinase	818
K etene dithiolates	665		
Ketenimines	1232	P ASS	1521
Ketoamides	818	Pharmacophore	1176
Ketone	300, 929	Phenacyl bromide	1500
Knoevenagel condensation	428, 694, 1172	Phenylene diamine	160, 1152, 1500, 1536

Phenylhydrazine	1146	Solid KOH	949
Phenyl-N-(1-methyl-2-aryl)ethyl nitrones	646	Solid support	306, 698
Photochemical cyclization	776	Solvent-free	387, 1224, 1505
Phthalazine	1364	Solvent-free conditions	694, 949, 1161
Phthalic anhydride	686, 691, 1166	Solventless condition	153
Phthalimide	691	Solventless reactions	646
Pineapple juice	1172	Solvent-less synthesis	428
Poly(vinyl) chloride	428	Structure elucidation	901
Polyhydroquinoline	1218	Substituted 17- β -methyl estratrienes	109
Polymeric catalyst	428	Substituted 17- β -methylene estratrienes	109
Potassium carbonate	379	Substituted alkenes	802
Potassium permanganate	379	Succinic anhydride	686, 1166
<i>Pouzolzia indica</i>	1527	Sulfonamide	904, 1176
Proline	915, 937	Sydnone	794, 1462
Propionic anhydride	810		
Pyrazole	432, 698, 807, 1352, 1493, 1531	Tandem reaction	1451
Pyrazoline	1191	Task specific ionic liquid	129
Pyrazolinone	1493	Taxol/taxotere side chain	379
Pyrazolo carbazoles	414	TBAB	1166
Pyrazolylisoxazolines	259	Testosterone	573
Pyridazine	1364	Tetraethylammonium bromate	802, 1214
Pyridines	405	Tetralone	1299
Pyrido [2,3- <i>d</i>]pyrimidine	448	Thiazole	560, 1191
Pyrimidines	405	Thiazolidinone	1236
Pyrimidinethiones	671	Thiazoline	942
Pyrimido carbazoles	414	Thiosemicarbazone	535
Pyromellitic dianhydride	1364	Three-component Mannich reaction	1505
Pyrrolidine	1202	Titanium dioxide	387
		Triarylimidazoles	387
QSAR	1325	Triazole	440, 1176
Quinazoline	1462	Triazolo[4,3- <i>a</i>]quinoxaline	273
Quinoline	553, 1191, 1318, 1493	Tri-heterocycles	519
Quinoxalines	1500	Trisubstituted imidazoles	153
		Tuberculosis	1441
Regioisomeric 1-(3'-phenylquinoxalin-2'-yl)-3,5-disubstitutedpyrazoles	273		
Resin	1137	Ultrasonication	1431
		Unsaturated acids	1513
Salidroside	654	Unsaturated ketones	949
Samarium(III) chloride	942	Urticaceae	1527
Schiff bases	266, 686		
Selenide	787	Validation	1313
Selenourea	895	Veterinary drug	1313
Silica gel	1161	Vilsmeier-Haack reagent	698
Silica-supported perchloric acid	1431	Vinyl-2-pyrrolidinone	1451
Silyl enolate	289		
Sodium dodecylsulfate	1500	Whole plant	1479
Sodium metaperiodate	379	X-ray diffraction	1468
		Zwitterions	164