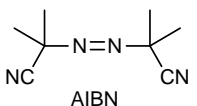
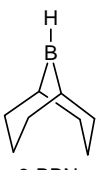
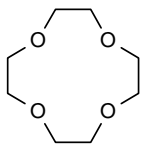
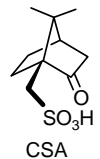
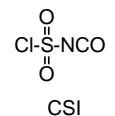
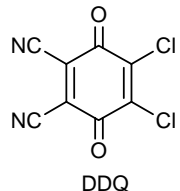
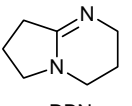
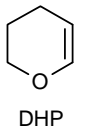
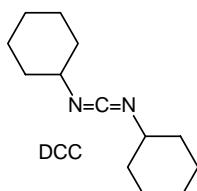
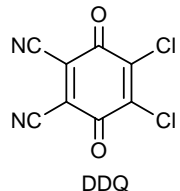
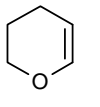
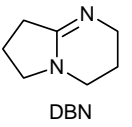
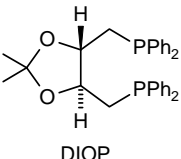
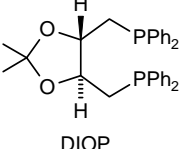
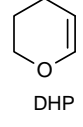
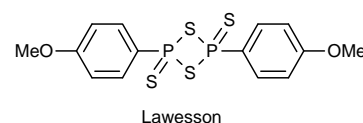
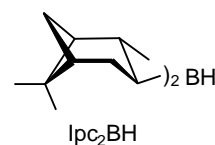
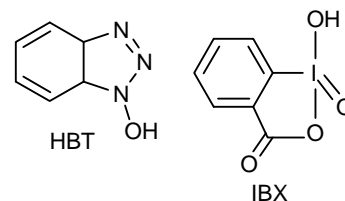
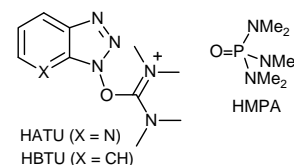
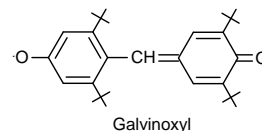
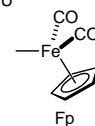
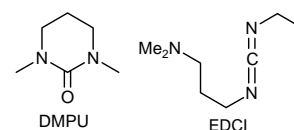


ORGANIC CHEMISTRY ACRONYMS

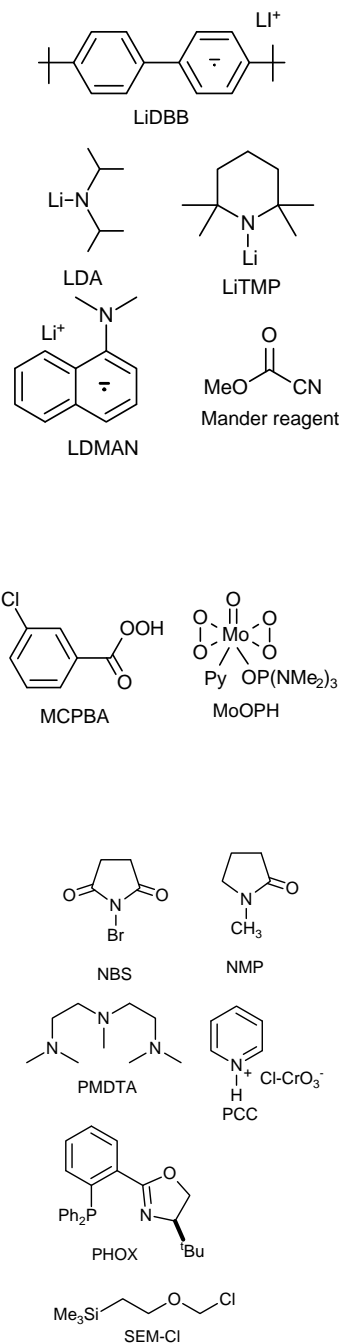
Not included: peptide protecting groups, biochemical abbreviations.

Ac	Acetyl ($\text{CH}_3\text{C}=\text{O}$)		
acac	Acetylacetonate (ligand)		
AIBN	Azobis(isobutyronitrile)--radical initiator		AIBN
9-BBN-H	9-Borabicyclo[3.3.1]nonane		9-BBN
bda	Benzylidene Acetone		
BHT	Butylated hydroxy toluene (2,6-di- <i>t</i> -butyl-4-methylphenol)		
BINALH	Lithium 2,2'-dihydroxy-1,1'-binaphthylethoxyaluminum hydride		
BINAP	2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl		
bipy (bpy)	2,2'-bipyridyl		
BMS	Borane Dimethyl Sulfide		
Boc	<i>t</i> -Butyloxycarbonyl ($\text{CO}t\text{C}_4\text{H}_9$)		
BOM	Benzyloxymethyl ($\text{PhCH}_2\text{OCH}_2$ -alcohol protection)		
Bs	Brosylate ($p\text{-BrC}_6\text{H}_4\text{SO}_2$)		
BSA	O, N-Bis(trimethylsilyl) Acetamide		
Bz	Benzoyl (caution: sometimes used for benzyl)		
Bn	Benzyl		
BTAF	Benzyltrimethylammonium Fluoride		
CAN	Ceric Ammonium Nitrate		
Cbz	Carbobenzyloxy ($\text{BnOC}=\text{O}$)		
cod	Cyclooctadiene		
COT	Cyclooctatetraene		
Cp	Cyclopentadienyl		
Cp*	Pentamethylcyclopentadienyl		
12-Crown-4	1,4,7,10-Tetraoxacycododecane		Crown-4
CSA	Camphorsulfonic Acid		CSA
CSI	Chlorosulfonyl Isocyanate		CSI
CTAB	Cetyltrimethylammonium bromide		
DA	Diels-Alder Reaction		
DABCO	1,4-Diazabicyclo[2.2.2]octane		DABCO
DAST	(Diethylamino)sulfur trifluoride Et_2NSF_3		
dba	Dibenzylideneacetone		
DBN	1,5-Diazabicyclo[4.3.0]non-5-ene		DBN
DBU	1,8-Diazabicyclo[5.4.0]undec-7-ene		DBU
DCA	1,9-Dicyanoanthracene		
DCC	Dicyclohexyl Carbodiimide		DCC
DDQ	2,3-Dichloro-5,6-dicyano-1,4-benzoquinone		DDQ
DDT	1,1-Bis(<i>p</i> -chlorophenyl)-2,2,2-trichloroethane		
de	Diastereomeric excess		
DEAD(CAT)	Diethyl Azodicarboxylate		
DET	Diethyl Tartrate		
DHP	Dihydropyran (alcohol protection)		DHP
DIBAL	(DIBAH) Diisobutylaluminum Hydride		DMP
			DIOP
			DIPT
			DMDO

Diglyme	Diethylene glycol dimethyl ether	
Dimsyl	Methylsulfinylmethide (MeS(O)CH ₂ ⁻)	
DIOP		
DIPT	Diisopropyl tartrate	
diphos	(dppe) 1,2-Bis(diphenylphosphino)ethane	
DHP	Dihydropyran (O-protection)	
DMAc	N,N-Dimethylacetamide (solvent)	
DMAD	Dimethyl Acetylenedicarboxylate	
DMAP	4-Dimethylaminopyridine (base catalyst)	
DMDO	Dimethyldioxirane	
DME	1,2-Dimethoxyethane (glyme, solvent)	
DMF	Dimethylformamide (solvent)	
DMP	Dess-Martin Periodinane	
DMPU	N,N'-Dimethyl-N,N'-propylene urea	
DMSO	Dimethyl Sulfoxide (solvent)	
DMSO ₂	Dimethyl Sulfone	
DMTSF	Dimethyl(methylthio)sulfonium tetrafluoroborate	
DNP	Dinitrophenylhydrazine	
DNPBA	2,4-Dinitroperbenzoic acid	
dppb	1,4-Bis(diphenylphosphino)butane	
dppe	(diphos) 1,2-Bis(diphenylphosphino)ethane	
dppf	Bis(diphenylphosphino)ferrocene	
dppp	1,3-Bis(diphenylphosphino)propane	
<i>E</i>	Entgegen (opposite, trans)	
E	Methoxycarbonyl CO ₂ CH ₃	
EDCI	Ethyl Dimethylaminopropyl Carbodiimide	
EDTA	Ethylenediaminetetraacetic acid	
ee	Enantiomeric Excess	
EE	1-Ethoxyethoxy (alcohol protection)	
en	Ethylene Diamine	
FC	Friedel-Crafts Reaction	
Fmoc	9-Fluorenylmethoxycarbonyl	
Fp	Cyclopentadienyldicarbonylferrate	
Glyme	1,2-Dimethoxyethane	
Galvinoxyl	Radical trap	
HATU		
HBT	Hydroxybenzotriazole	
HMDS	Hexamethyldisilazide (Me ₃ Si) ₂ NH	
HMPA, HMPT	Hexamethylphosphorictriamide (solvent, cosolvent)	
HOBT	Hydroxybenzotriazole	
HSAB	Hard-Acid-Soft-Base	
IBX	o-Iodoxybenzoic acid	
Im	Imidazolyl	
Ipc ₂ BH	Bisisopinocampheylborane	
KDA	Potassium Diisopropylamide	
LAH	Lithium Aluminum Hydride (LiAlH ₄)	
Lawesson		



LDA	Lithium Diisopropylamide
LDMAN	Lithium <i>N,N</i> -Dimethylaminonaphthalenide
LFER	Linear Free Energy Relationship
LHMDS	Lithium Hexamethyldisilazide (LiN(SiMe ₃) ₂)
LICA	Lithium <i>N</i> -isopropylcyclohexylamide
LICKOR	Lithium-potassium alkoxide reagents
LIDBB	Lithium 4,4'-di- <i>t</i> -butylbiphenylide
LiTMP	Lithium Tetramethylpiperidide
LTA	Lead Tetraacetate (Pb(OAc) ₄)
MA	Maleic Anhydride
Mander Reag	
MCPBA	meta-Chloroperoxybenzoic Acid
MEM	β-Methoxyethoxymethyl (CH ₃ OCH ₂ CH ₂ O-CH ₂ -)
Mes	Mesityl (2,4,6-trimethylphenyl)
MOM	Methoxymethyl (CH ₃ OCH ₂ -, alcohol protection).
MoOPH	MoO ₃ ·Py·HMPA (oxidizing agent)
Ms	Methanesulfonyl (Mesyl, CH ₃ SO ₂)
MTPA	α-Methoxy-α-trifluoromethylphenylacetic acid (Mosher)
MTM	Methylthiomethyl CH ₃ -S-CH ₂ - (alcohol protection)
MVK	Methyl Vinyl Ketone (3-Butene-2-one)
NBA	<i>N</i> -Bromoacetamide
NBS, NCS	<i>N</i> -Bromo, <i>N</i> -Chlorosuccinimide
Nf	Nonaflate (C ₄ F ₉ SO ₂)
NIS	<i>N</i> -Iodosuccinimide
NMO	<i>N</i> -Methylmorpholine- <i>N</i> -oxide
NMP	<i>N</i> -Methylpyrrolidone; solvent
Ns	<i>p</i> -Nitrobenzenesulfonyl
PBB, PCB	Polybrominated, Polychlorinated Biphenyls
PCC	Pyridinium chlorochromate
PDC	Pyridinium dichromate
PG	Prostaglandins
phen	1,10-Phenanthroline
PhthN	Phthalimido
PMDTA	<i>N,N,N',N'',N''</i> -pentamethyldiethylenetriamine
PMB	<i>p</i> -Methoxybenzyl
PMP	<i>p</i> -Methoxyphenyl
PNB	para-Nitrobenzoate
PPA	Polyphosphoric Acid
PPTS	Pyridinium <i>p</i> -Toluenesulfonate
PTAD	<i>N</i> -Phenyl-1,2,4-triazolinedione
PTC	Phase Transfer Catalyst
Piv	Pivaloyl
Py	Pyridine; Solvent, base, catalyst
RT	Room Temperature
SEM	2-Trimethylsilylethoxymethoxy (alcohol protection)
SES	Trimethylsilylethylsulfonyl (amine prot. SO ₂ CH ₂ CH ₂ SiMe ₃)
Sia,BH	Disiamylborane (Me ₂ CHMeCH ₂),BH



TASF	Tris(dimethylamino)sulfonium difluorotrimethylsilicate	<p>The right column of the table contains six chemical structures. From top to bottom: 1. TASF: A central silicon atom bonded to three methyl groups and two fluorine atoms, with a dimethylamino group attached to one of the methyl groups. 2. TEMPO: A piperidine ring with a methyl group on the nitrogen and an oxygen radical on the adjacent carbon. 3. TMEDA: A six-membered ring with two nitrogen atoms and two methyl groups on each nitrogen. 4. Tebbe: A zirconium atom coordinated to two indenyl ligands, a methylene group, and a chlorine atom, which is in turn coordinated to an aluminum atom bonded to two methyl groups. 5. TMTAN: A 1,4,7-trimethyl-1,4,7-tetraazanonane ring system. 6. TOSMIC: A benzene ring attached to a sulfonamide group, which is further attached to a methylene group and a cyano group.</p>
TBAF	Tetra- <i>n</i> -butylammonium fluoride	
TBDMS	<i>t</i> -Butyldimethylsilyl (alcohol protection)	
TBDPS	<i>t</i> -Butyldiphenylsilyl (alcohol protection)	
TBHP	<i>t</i> -Butylhydroperoxide	
TBS	<i>t</i> -Butyldimethylsilyl (also TBDMS)	
TCE	2,2,2-Trichloroethyl (alcohol, acid protection)	
TCNE	Tetracyanoethylene	
TCNQ	7,7,8,8-Tetracyanoquinodimethane	
TEA	Triethylamine	
Tebbe		
TEMPO	Tetramethylpiperidinyloxy	
TES	Triethylsilyl	
Tf	Triflate (CF ₃ SO ₂)	
TFA	Trifluoroacetic(yl)	
Thexyl	Me ₂ CHMe ₂ C-	
THF	Tetrahydrofuran; solvent	
THP	Tetrahydropyran (alcohol protecting group)	
TIPS	Triisopropylsilyl (alcohol protection)	
TMEDA	N,N,N',N'-Tetramethylethylenediamine	
TMTAN	1,4,7-trimethyl-1,4,7-tetraazanonane	
TMS	Tetramethylsilane, also Trimethylsilyl	
TMSI	Trimethylsilyl Iodide	
Tol	<i>p</i> -Tolyl	
TOSMIC	<i>p</i> -Toluenesulfonylmethylisocyanide	
TPAP	Tetra- <i>n</i> -propylammonium Perruthenate	
TPP	meso-Tetraphenylporphyrin	
TRIS	Tris(hydroxymethyl)aminomethane (buffer)	
Trityl	Triphenylmethyl	
Troc	Trichloroethoxycarbonyl (CCl ₃ CH ₂ OC(O)-)	
Ts	Tosyl (<i>p</i> -CH ₃ C ₆ H ₄ SO ₂)	
TTN	Thallium Trinitrate	
WK	Wolff-Kishner Reduction	
Z	Zusammen (together, cis)	