

COMMON ABBREVIATIONS IN ORGANIC CHEMISTRY

Ac	= Acetyl
AcO	= Acetate
Ac ₂ O	= Acetic anhydride
AIBN	= a,a'-Azobisisobutyronitrile
All	= Allyl
Alloc	= Allyloxycarbonyl
Ar	= Aryl
9-BBN	= 9-Borabicyclononane
BHT	= <i>tert</i> -Butylhydroxytoluene
BINAP	= 2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl
BMS	= Borane-methylsulphide complex
Bn	= Benzyl
Boc	= <i>tert</i> -Butoxycarbonyl
BOM	= Benzyloxymethyl
BOP	= Bis(2-oxo-3-oxazolidinyl)phosphine
BSA	= <i>N,O</i> -Bis(trimethylsilyl)acetamide
BTAF	= Benzyltrimethylammonium fluoride
BTMSA	= Bis(trimethylsilyl)acetylene
Bu or <i>n</i> -Bu	= <i>n</i> -Butyl
<i>s</i> -Bu or ^{<i>s</i>} Bu	= <i>sec</i> -Butyl
<i>t</i> -Bu or ^{<i>t</i>} Bu	= <i>tert</i> -Butyl
Bz	= Benzoyl
Bzl	= Benzyl
CAN	= Ceric ammonium nitrate
CBS	= Corey-Bashki-Shibat
Cbz	= Benzyloxycarbonyl
Cod	= Cyclooctadiene
Cp	= Cyclopentadienyl
12-crown-4	= 1,4,7,10-Tetraoxacyclodecane
15-crown-5	= 1,4,7,10,13-Pentaoxacyclopentadecane
18-crown-6	= 1,4,7,10,13,16-Hexaoxacyclooctadecane
CSA	= Camphorsulphonic acid
DABCO	= 1,4-Diazabicyclo[2.2.2]octane, Triethylendiamine
DAST	= Diethylaminosulphur trifluoride
dba	= Dibenzylideneacetone
DBAD	= Di- <i>tert</i> -butyl azodicarboxylate
DBN	= 1,5-Diazabicyclo[4.3.0]non-5-ene
DBU	= 1,8-Diazabicyclo[5.4.0]undec-7-ene
DCC	= 1,3-Dicyclohexylcarbodiimide
DCM	= Dichloromethane
DDQ	= 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone
DEAD	= Diethyl azodicarboxylate
DHP	= Dihydropiran
DHQD	= Dihydroquinidine
DIBAL	= Diisobutylaluminium hydride
DIBAL-H	= Diisobutylaluminium hydride
DIC	= Diisopropylcarbodiimide
DIPEA	= Diisopropylethylamine
DMA	= <i>N,N</i> -Dimethylacetamide
DMAC	= <i>N,N</i> -Dimethylacetamide
DMAP	= 4-Dimethylaminopyridine
DMDO	= 2,2-dimethyldioxirane
DME	= 1,2-Dimethoxyethane
DMF	= <i>N,N</i> -Dimethylformamide
DMP	= Dess-Martin periodinane

DMPM	= 3,4-Dimethoxybenzyl
DMPU	= 1,3-Dimethyl-3,4,5,6-tetrahydro-2(1H)-pyrimidone
DMS	= Dimethylsulphide
DMSO	= Dimethylsulphoxide
DPA	= Diisopropylamine
DPPA	= Diphenylphosphoryl azide
Ddpb	= 1,4-bis(diphenylphosphino)butane
Dppe	= 1,2-bis(diphenylphosphino)ethane
Dppm	= Bis(diphenylphosphino)methane
dppp	= 1,3-bis(diphenylphosphino)propane
EDC	= 1-Ethyl-3-(3-dimethylaminopropyl)carbodiimide
EDCI	= 1-Ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride
EDTA	= Ethylenediaminetetraacetic acid
EE	= Ethoxyethyl
EOM	= Ethoxymethyl
Et ₂ O	= Diethyl ether
FMOC	= 9-Fluorenylmethoxycarbonyl
HMDS	= Hexamethyldisilazane
HMPA	= Hexamethylphosphoramide
HMPT	= Hexamethylphosphorous triamide
HOAt	= 7-Aza-1-hydroxybenzotriazole
HOBt	= 1-Hydroxybenzotriazole
IPA	= Isopropyl alcohol
Im	= Imidazole
Ipc	= Isopinocampheyl
KDA	= Potassium diisopropylamide
KHMDS	= Potassium bis(trimethylsilyl)amide
LAH	= Lithium aluminium hydride
LDA	= Lithium diisopropylamide
LDEA	= Lithium diethylamide
LHMDS	= Lithium bis(trimethylsilyl)amide
MCPBA	= <i>meta</i> -chloroperoxybenzoic acid
Me	= Methyl
MEM	= 2-Methoxyethoxymethyl
MOM	= Methoxymethyl
MOoPHM	= Oxodiperoxymolybdenum(pyridine) hexamethylphosphoramide
MPM	= <i>p</i> -Methoxybenzyl
MS	= Molecular sieves
Ms	= Methanesulphonyl
MTBE	= Methyl <i>tert</i> -butyl ether
MTM	= Methylthiomethyl
NaHMDS	= Sodium bis(trimethylsilyl)amide
NBS	= <i>N</i> -Bromosuccinimide
NCS	= <i>N</i> -Chlorosuccinimide
NIS	= <i>N</i> -Iodosuccinimide
NMM	= <i>N</i> -Methylmorpholine
NMO	= <i>N</i> -Methylmorpholine- <i>N</i> -oxide
NMP	= <i>N</i> -Methylpyrrolidone
Ns	= <i>p</i> -Nitrophenylsulphonyl
PDC	= Pyridinium dichlorochromate
PCC	= Pyridinium chlorochromate
Ph	= Phenyl
Piv	= Pivaloyl, 2,2-dimethylacetyl
PMB	= <i>p</i> -Methoxybenzyl
PMP	= <i>p</i> -Methoxyphenyl
PPA	= Polyphosphoric acid
PPTS	= Pyridinium <i>p</i> -toluenesulphonate

<i>n</i> -Pr	= <i>n</i> -Propyl
Pr	= Propyl
<i>i</i> -Pr or ^l Pr	= <i>iso</i> -propilo
PTC	= Phase transfer catalyst
PTSA	= <i>p</i> -Toluenesulphonic acid
Pv	= Pivaloyl, 2,2-dimethylacetyl
Py	= Pyridine
Red-Al [®]	= Sodium bis(2-methoxyethoxy)aluminium hydride
SEM	= 2-(Trimethylsilyl)ethoxymethyl
TBAF	= Tetrabutylammonium fluoride
TBDMS	= <i>tert</i> -Butyldimethylsilyl
TBDPS	= <i>tert</i> -Butyldiphenylsilyl
TBHP	= <i>tert</i> -Butylhydroperoxyde
TBS	= <i>tert</i> -Butyldimethylsilyl
TCDI	= Thiocarbonyl diimidazole
TDAP	= Tris(dimethylamino)phosphine
TEA	= Triethylamine
TEBA	= Triethylbenzylammonium chloride
TEBAC	= Triethylbenzylammonium chloride
TES	= Triethylsilyl
TESH	= Triethylsilane
Tf	= Trifluoromethanesulfonyl
TfO	= Trifluoromethanesulfonate
Tf ₂ O	= Trifluoromethanesulfonyl anhydride
TfOH	= Trifluoromethanesulfonic acid
TFA	= Trifluoroacetic acid
TFAA	= Trifluoroacetic anhydride
Thexyl	= 2,3-dimethyl-2-butyl
THF	= Tetrahydrofurane
THP	= Tetrahydropyranyl
TIPS	= Triisopropylsilyl
TMEDA	= <i>N,N,N',N'</i> -Tetramethylethylenediamine
TMG	= Tetramethylguanidine
TMS	= Trimethylsilyl
TMS	= Tetramethylsilane
Tol	= <i>p</i> -Toluyl
<i>o</i> -Tol	= <i>o</i> -Toluyl
TPAP	= Tetra- <i>n</i> -propylammonium perruthenate
TPS	= Tripropylsilyl
Tr	= Trityl, triphenylmethyl
Troc	= 2,2,2-Trichloroethoxycarbonyl
Trt	= Trityl, triphenylmethyl
Ts	= <i>p</i> -Toluenesulphonyl
<i>p</i> -TsOH	= <i>p</i> -Toluenesulphonic acid
Vitride [®]	= Sodium bis(2-methoxyethoxy)aluminium hydride
Z	= Benzyloxycarbonyl