

## Chemical Abbreviations

1-Nal	b-(1-Naphthyl)-L-alanine
2-Nal	b-(2-Naphthyl)-L-alanine
4MbNA	4-Methoxy-b-naphthylamide
Abu	L-a-Aminobutyric acid
Abz	2-Aminobenzoyl (Anthraniloyl)
Ac	Acetyl
Acm	Acetamidomethyl
Ada	Adamantyl
AFC	7-Amino-4-trifluoromethyl-coumaride
Aha	7-Aminoheptanoic acid
Ahx	6-Aminohexanoic acid (n-caproic acid)
Aib	a-Aminoisobutyric acid (a-Methyl-alanine)
Ala	Alanine
Aloc	Allyloxycarbonyl
AMC	7-Amino-4-methyl-coumaride
Aph	Aminophenylalanine
Arg	Arginine
Asn	Asparagine
Asp	Aspartic Acid
Asu	L-a-Aminosuberic acid (L-2-Aminooctanoic acid)
bNA	b-Naphthylamide
Boc	t-Butoxycarbonyl
Bom	Benzyloxymethyl
BOP	Benzotriazole-1-yl-oxy-tris(dimethylamino)phosphoniumhexafluorophosphate
Bpa	4-Benzoyl-L-phenylalanine
Bz	Benzoyl
Bzl	Benzyl
Cbz (Z)	Benzyloxycarbonyl
CDI	1,1'-Carbonyldiimidazole
Cha	Cyclohexylalanine
Chg	L-Cyclohexylglycine
Cit	L-Citrulline
Cys	Cysteine
Dab	L-a,g-Diaminobutyric acid
DABCYL	4-(4-Dimethylaminophenylazo)benzoyl
Dap	Diaminopimelic acid
DCC	N,N'-Dicyclohexylcarbodiimide
DCHA	Dicyclohexylammonium salt

Dde	1-(4,4-Dimethyl-2,6-dioxocyclohex-1-ylidene)ethyl
DIC	1,3-Diisopropylcarbodiimide
DIPEA	Diisopropylethylamine
DMAP	4-Dimethylaminopyridine
DMF	N,N-Dimethylformamide
DMS	Dimethylsulfide
DMSO	Dimethylsulfoxide
Dnp	2,4-Dinitrophenyl
Dpr	2,3-Diaminopropionic acid
EDANS	5-[(2-Aminoethyl)amino]naphthalene-1-sulfonyl
EDT	1,2-Ethanedithiol
EEDQ	2-Ethoxy-1-ethoxycarbonyl-1,2-dihydroquinoline
Et	Ethyl
FITC	Fluorescein isothiocyanate
Fm	Fluorenylmethyl
Fmoc	9-Fluorenylmethyloxycarbonyl
For	Formyl
Gla	g-Carboxy-L-glutamic acid
Gln	Glutamine
Glp	Pyroglutamic Acid
Glu	Glutamic Acid
Gly	Glycine
HATU	O-(7-Azabenzotriazole-1-yl)-1,1,3,3-tetramethyluroniumhexafluorophosphate
HBTU	O-(Benzotriazole-1-yl)-1,1,3,3-tetramethyluroniumhexafluorophosphate
His	Histidine
HOAt	1-Hydroxy-7-azabenzotriazole
HOBt	1-Hydroxybenzotriazole
Homoarg	L-Homoarginine (L-a-Amino-e-guanidinohexanoic acid)
Homocit	L-Homocitrulline (L-a-Amino-e-ureidohexanoic acid)
Hse	Homoserine
Hyp	trans-4-Hydroxy-L-proline
Ile	Isoleucine
iPr	iso-Propyl
Leu	Leucine
Lys	Lysine
MBHA	4-Methylbenzhydramine
Mbs	4-Methoxybenzenesulfonyl
MbzI	4-Methylbenzyl
Mca	(7-Methoxycoumarin-4-yl)acetyl
Me	Methyl

MeOSuc	Methoxysuccinyl
Met	Methionine
Met(O)	L-Methionine sulfoxide
Met(O) <sub>2</sub>	L-Methionine sulfone
Mmt	4-Methoxytrityl
Mob	4-Methoxybenzyl
Mpr	3-Mercaptopropionyl
Mtt	4-Methyltrityl
Nal	Naphthylalanine
NHEt	Ethylamide
NHMe	N-Methylamide
NHNH <sub>2</sub>	Hydrazide
NHOH	Hydroxamate
Nic	Nicotinyl
Nle	Norleucine
NMe <sub>2</sub>	N,N-Dimethylamide
NMP	N-Methylpyrrolidine
NO <sub>2</sub>	Nitro
Nps	2-Nitrophenylsulfenyl
NPys	3-Nitro-2-pyridinesulfenyl
OBzl	Benzyl ester
OcHex	Cyclohexyl ester
OEt	Ethyl ester
OFm	Fluorenylmethyl ester
OHex	Hexyl ester
Oic	L-Octahydroindole-2-carboxylic acid
OMe	Methyl ester
ONp	p-Nitrophenyl ester
OPcp	Pentachlorophenyl ester
OPfp	Pentafluorophenyl ester
OPh	Phenyl ester
Orn	Ornithine
OSu	Succinimide ester
OtBu	t-Butyl ester
Pal	2-Pyridylalanine
Pbf	2,2,4,6,7-Pentamethyldihydrobenzofuran-5-sulfonyl
PEG	Polyethylene glycol
Pen	L-Penicillamine (b,b-Dimethyl-L-cysteine)
Phaa	Phenylacetic acid
Phe	Phenylalanine
Phg	L-Phenylglycine
Pmp	β-Mercapto-β,β-cyclopentamethylene propionic acid

pNA	p-Nitroanilide
Pro	Proline
pSer	Phospho-L-serine
pThr	Phospho-L-threonine
pTyr	Phospho-L-tyrosine
Pyr	L-Pyroglutamic acid
(pGlu)	
Sar	Sarcosine (N-Methylglycine)
Ser	Serine
$\beta$ -Ala	$\beta$ -Alanine
Sta	Statyl- ((3S,4S)-4-amino-3-hydroxy-6-methylheptanoyl)
Suc	Succinyl
TBTU	O-Benzotriazole-1-yl-1,1,3,3-tetramethyluroniumtetrafluoroborate
tBu	t-Butyl
TEA	Triethylamine
TFA	Trifluoroacetic acid
Tfa	Trifluoroacetyl
TFE	2,2,2-Trifluoroethanol
Thr	Threonine
Tic	L-1,2,3,4-Tetrahydroisoquinoline-3-carboxylic acid
Tos	Tosyl (4-Toluenesulfonyl)
Trp	Tryptophan
Trt	Trityl
Tyr	Tyrosine
Tyr(Me)	Methyltyrosine
Val	Valine
Xan	Xanthyl
Z (Cbz)	Benzyloxycarbonyl