

Column1	Column2	Column3
Protecting agents	Abbreviation	CAS No.
2-(1-Hydroxy-3-methyl-butylidene)-5,5-dimethyl-cyclohexane-1,3-dione	ivDde-OH	172611-72-2
2-Acetyl dimedone	Dde-OH	94142-97-9
2,2,4,6,7-Pentamethyldihydrobenzofuran-5-sulfonyl chloride	Pbf-Cl	154445-78-0
9-Fluorenylmethyl chloroformate	Fmoc-Cl	28920-43-6
N-(9-Fluorenylmethoxycarbonyloxy)succinimide	Fmoc-Osu	82911-69-1
1,1-Dioxobenzo[b]-thiophene-2-yl methyloxycarbonyl chloride	Bsmoc-Cl	135204-19-2
1,1-Dioxobenzo[b]-thiophene-2-yl methyloxycarbonyl succinimide	Bsmoc-Osu	197244-91-0
2,2,5,7,8-Pentamethyl-chromane-6-sulfonyl chloride	PMC-Cl	112160-39-1
(R,S)-1-(3,4-(methylenedioxy)-6-nitrophenyl)ethyl chloroformate	MENPOC-Cl	156876-26-5
Coupling agents	Abbreviation	CAS No.
Diisopropylcarbodiimide	DIC	693-13-0
1-tert-Butyl-3-ethylcarbodiimide	TBEC	1433-27-8
EDC (1-Ethyl-3-(3-dimethylaminopropyl)carbodiimide)	EDC	1892-57-5
((Benzotriazol-1-yloxy)tripyrrolidinophosphonium hexafluorophosphate)	PyBOP	128625-52-5
Additives and Activator reagents	Abbreviation	CAS No.
Ethyl 2-cyano-2-(hydroxyimino)acetate	Oxyma	3849-21-6
Ethyl 2-cyano-2-(hydroxyimino)acetate potassium salt	K-Oxyma	158014-03-0
Phosphoramidites & Oligo reagents	Abbreviation	CAS No.
2-Cyanoethyl N,N,N',N'-tetraisopropylphosphorodiamidite	Phos reagent	102691-36-1
N,N-Diisopropylphosphoramidous dichloride	Phos reagent	677-43-0
Bis(diisopropylamino)chlorophosphine	Phos reagent	921-26-6
Tributylammonium pyrrophosphate	Phos reagent	5975-18-8
Hexachlorocyclotriphosphorazene	Phos reagent	940-71-6
Dimethyl hydroxymethylphosphonate	Phos reagent	24630-67-9
Natural & Unnatural Amino Acids	Abbreviations	CAS No.
Fmoc-N-methylglycine	Sar-OH	77128-70-2
N α -(9-Fluorenylmethoxycarbonyl)-N γ -trityl-L-asparagine	Asn(Trt)	132388-59-1
N- α -Fmoc-L-glutamic acid γ -t.-butyl ester	Glu(OtBu)	71989-18-9
Fmoc-3-(2-naphthyl)-L-alanine	NaI-OH	112883-43-9
N- α -Fmoc-O-t.-butyl-L-threonine	Thr(tBu)	71989-35-0
N- α -Fmoc-N- ϵ -1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)-3-methylbutyl-L-lysine	Lys(ivDde)	204777-78-6
N- α -Fmoc-N- ϵ -1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)ethyl-L-lysine	Lys(Dde)	150629-67-7
N α -Fmoc-N ω -(2,2,4,6,7-pentamethyldihydrobenzofuran-5-sulfonyl)-L-arginine	Arg(Pbf)	154445-77-9
N- α -Fmoc-S-trityl-L-cysteine	Cys(Trt)	103213-32-7
N- α -Fmoc-S-acetamidomethyl-L-cysteine	Cys(Acm)	86060-81-3
N- α -Fmoc-O-t-butyl-L-serine	Ser(tBu)	71989-33-8
N- α -Fmoc-O-t-butyl-L-threonine	Thr(tBu)	71989-35-0

N- α -Fmoc-O-t-butyl-L-tyrosine	Tyr(tBu)	71989-38-3
N- α -Fmoc-L-aspartic acid β -t.-butyl ester	Asp(OtBu)	71989-14-5
N- α -Fmoc-L-glutamic acid γ -t.-butyl ester	Glu(OtBu)	71989-18-9
N- α -Fmoc-N-im-trityl-L-histidine	His(Trt)	109425-51-6
N- α -Fmoc-N- β -trityl-L-asparagine	Asn(Trt)	132388-59-1
N- α -Fmoc-N- γ -trityl-L-glutamine	Gln(Trt)	132327-80-1
N- α -Fmoc- α -aminoisobutyric acid	Aib	94744-50-0
N- α -Fmoc-L-alanine monohydrate	β -Ala	35737-10-1
4-(Fmoc-amino)butyric acid	Abu	116821-47-7
N- α -Fmoc-O-t-butyl-L-trans-4-hydroxyproline	Hyp	122996-47-8
N- α -Fmoc-L-proline	Pro	71989-31-6
N- α -Fmoc-N- ϵ -4-methyltrityl-L-lysine	Lys(Mtt)	167393-62-6
N- α -Fmoc-N- ϵ -t.-Boc-L-lysine	Lys(Boc)	71989-26-9
S-tert-butylmercapto-L-cysteine	S-(tBu)-thio-L-Cys	30044-51-0
(2S)-2-amino-3-tert-butoxypropanoic acid	H-Ser(tBu)-OH	18822-58-7

Chiral Catalysts	Abbreviations	CAS No.
AD-MIX-BETA	-	148618-32-0
AD-MIX-ALPHA	-	153130-59-7
(DHQD)2PHAL	-	140853-10-7
(DHQ)2PHAL	-	140924-50-1
D-EPOXONE	-	18422-53-2
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Intermediates	Abbreviations	CAS No.
7-Chlorothienol[3,2-b]pyridine	-	69627-03-8
5-Chloromethyl-1H-tetrazole	-	55408-11-2
1,4-Dichloro phthalazine	-	4752-10-7
Dihydroquinidine	-	1435-55-8
3-Oxo cyclobutane carboxylic acid	-	23761-23-1
3-(4-Chlorophenyl)-3-oxopropionitrile	-	4640-66-8
Ethyl 4-Chloro-2-(methylthio)pyrimidine-5-carboxylate	-	5909-24-0
Ethyl 4-Hydroxy-2-(methylthio)pyrimidine-5-carboxylate	-	53554-29-3
Ethyl 4-(cyclopentylamino)-2-(methylthio)-pyrimidine-5-carboxylate	-	211245-62-4
Ethyl 4-((3-chloro-4-methoxybenzyl)amino)-2-(methylthio)pyrimidine-5-carboxylate	-	330785-81-4
R-3-Aminopiperidine	-	127294-73-9
R-3-Boc-Aminopiperidine	-	309956-78-3
Niche Chemicals	Abbreviations	CAS No.
1-Bromo-2-(bromomethyl)-3-nitrobenzene	-	58579-54-7
(S)-(+)-1,2-Isopropylideneglycerol	-	22323-82-6
6-(tert-Butylamino)nicotinic acid	-	1019387-69-9
Dimedone	-	126-81-8
2-(2-Bromoethyl)-1,3-dioxolane	-	18742-02-4

Triphenylmethanol	-	76-84-6