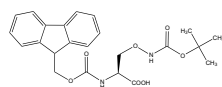
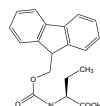


Fmoc-protected unnatural amino acids

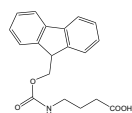
Innovations



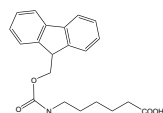
04-12-1209 **Fmoc-Ams(Boc)-OH** 1 g
 N- α -Fmoc-O-(t-Boc-amino)-L-serine
 $C_{23}H_{26}N_2O_7$; M.W.: 442.5



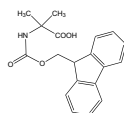
04-12-1099 **Fmoc-Abu-OH** 1 g
 N- α -Fmoc-L- α -aminobutyric acid 5 g
 Fmoc-2-aminobutanoic acid 25 g
 $C_{19}H_{19}NO_4$; M.W.: 325.4



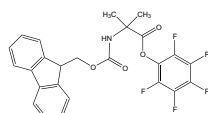
04-12-1088 **Fmoc- γ -Abu-OH** 5 g
 N- γ -Fmoc- γ -aminobutyric acid 25 g
 Fmoc-GABA
 CAS No.: 116821-47-7; $C_{19}H_{19}NO_4$; M.W.: 325.4



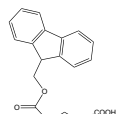
04-12-1111 **Fmoc- ϵ -Ahx-OH** 1 g
 N- ϵ -Fmoc- ϵ -aminocaproic acid 5 g
 Fmoc-6-aminohexanoic acid 25 g
 CAS No.: 88574-06-5; $C_{21}H_{23}NO_4$; M.W.: 353.4



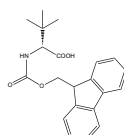
04-12-1100 **Fmoc-Aib-OH** 1 g
 N- α -Fmoc- α -aminoisobutyric acid 5 g
 N-Fmoc-C- α -methylalanine 25 g
 CAS No.: 94744-50-0; $C_{19}H_{19}NO_4$; M.W.: 325.4



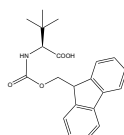
04-12-1537 **Fmoc-Aib-OPfp** 1 g
 N- α -Fmoc- α -aminoisobutyric acid pentafluorophenyl ester 5 g
 $C_{25}H_{19}NO_4F_5$; M.W.: 491.4



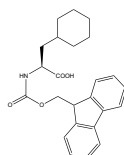
04-12-1044 **Fmoc- β -Ala-OH** 5 g
 N- β -Fmoc- β -alanine 25 g
 CAS No.: 35737-10-1; $C_{18}H_{17}NO_4$; M.W.: 311.3



04-13-1041 **Fmoc-D- α -t-butylglycine** 1 g
 N- α -Fmoc-D- α -t-butylglycine 5 g
 N- α -Fmoc-D-leucine
 $C_{21}H_{23}NO_4$; M.W.: 353.5

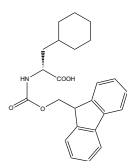
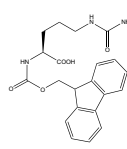
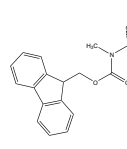
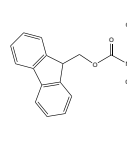
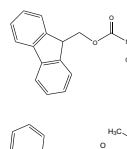
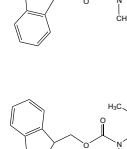
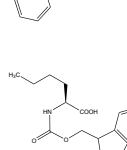
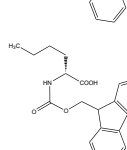
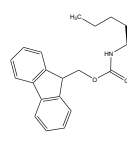
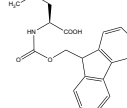



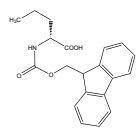
04-12-1054 **Fmoc- α -t-butylglycine** 1 g
 N- α -Fmoc-L- α -t-butylglycine 5 g
 N- α -Fmoc-L-leucine
 $C_{21}H_{23}NO_4$; M.W.: 353.5



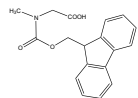
04-12-1081 **Fmoc-Cha-OH** 1 g
 N- α -Fmoc- β -cyclohexyl-L-alanine 5 g
 $C_{24}H_{27}NO_4$; M.W.: 393.5



| | | | |
|---|------------|---|--------------------|
|  | 04-13-1058 | Fmoc-D-Cha-OH N α -Fmoc- β -cyclohexyl-D-alanine C ₂₄ H ₂₇ NO ₄ ; M.W.: 393.5 | 1 g 5 g 25 g |
|  | 04-12-1052 | Fmoc-Cit-OH N α -Fmoc-L-2-amino-5-ureido-n-valeric acid C ₂₁ H ₂₃ N ₃ O ₅ ; M.W.: 397.4 | 1 g 5 g 25 g |
| | 04-12-9027 | Fmoc-MeAla-OH N α -Fmoc-N α -methyl-L-alanine CAS No.: 84000-07-7; C ₁₉ H ₁₉ NO ₄ ; M.W.: 325.3 | 1 g 5 g |
|  | 04-13-9002 | Fmoc-D-MeAla-OH N α -Fmoc-N α -methyl-D-alanine C ₁₉ H ₁₉ NO ₄ ; M.W.: 325.3 | 1 g 5 g |
|  | 04-12-9030 | Fmoc-Melle-OH N α -Fmoc-N α -methyl-L-isoleucine CAS No.: 138775-22-1; C ₂₂ H ₂₅ NO ₄ ; M.W.: 367.4 | 1 g 5 g |
|  | 04-12-9031 | Fmoc-MeLeu-OH N α -Fmoc-N α -methyl-L-leucine CAS No.: 103478-62-2; C ₂₂ H ₂₅ NO ₄ ; M.W.: 367.4 | 1 g 5 g |
|  | 04-12-9026 | Fmoc-MeVal-OH N α -Fmoc-N α -methyl-L-valine CAS No.: 84000-11-3; C ₂₁ H ₂₃ NO ₄ ; M.W.: 353.4 | 1 g 5 g |
|  | 04-13-9003 | Fmoc-D-MeVal-OH N α -Fmoc-N α -methyl-D-valine CAS No.: 103478-58-6; C ₂₁ H ₂₃ NO ₄ ; M.W.: 353.4 | 1 g 5 g |
|  | 04-12-1028 | Fmoc-Nle-OH N α -Fmoc-L-norleucine CAS No.: 77284-32-3; C ₂₁ H ₂₃ NO ₄ ; M.W.: 353.4 | 5 g 25 g |
|  | 04-13-1059 | Fmoc-D-Nle-OH N α -Fmoc-D-norleucine C ₂₁ H ₂₃ NO ₄ ; M.W.: 353.4 | 5 g 25 g |
|  | 04-12-1513 | Fmoc-Nle-OPfp N α -Fmoc-L-norleucine pentafluorophenyl ester CAS No.: 121593-77-9; C ₂₇ H ₂₂ NO ₄ F ₅ ; M.W.: 519.4 | 1 g 5 g |
|  | 04-12-1097 | Fmoc-Nva-OH N α -Fmoc-L-norvaline C ₂₀ H ₂₁ NO ₄ ; M.W.: 339.4 | 5 g 25 g |

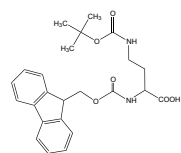


04-13-1060 **Fmoc-D-Nva-OH** 5 g
N- α -Fmoc-D-norvaline 25 g
C₂₀H₂₁NO₄; M.W.: 339.4

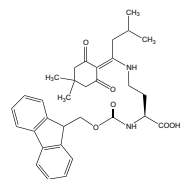


04-12-1114 **Fmoc-Sar-OH** 5 g
N- α -Fmoc-sarcosine 25 g
CAS No.: 77128-70-2; C₁₈H₁₇NO₄; M.W.: 311.3

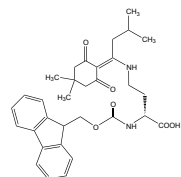
Aliphatic amino acids with amine & hydroxylamine side-chains



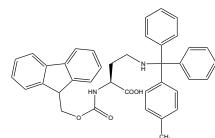
04-12-1160 **Fmoc-Dab(Boc)-OH** 1 g
N- α -Fmoc-N- γ t-Boc-L-diaminobutanoic acid 5 g
C₂₄H₂₈N₂O₆; M.W.: 440.5



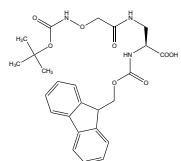
04-12-1196 **Fmoc-Dab(ivDde)-OH** 1 g
N- α -Fmoc-N- γ 1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)-3-methylbutyl-L-diaminobutanoic acid 5 g
C₃₂H₃₈N₂O₆; M.W.: 546.6



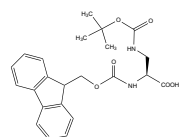
04-13-1075 **Fmoc-D-Dab(ivDde)-OH** 1 g
N- α -Fmoc-N- γ 1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)-3-methylbutyl-D-diaminobutanoic acid 5 g
C₃₂H₃₈N₂O₆; M.W.: 546.6



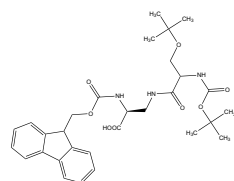
04-12-1210 **Fmoc-Dab(Mtt)-OH** 1 g
N- α -Fmoc-N- α 4-methyltrityl-L-diaminobutanoic acid 5 g
C₃₉H₃₆N₂O₄; M.W.: 596.7



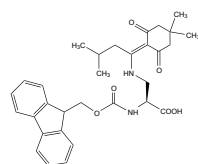
04-12-1185 **Fmoc-Dpr(Boc-Aoa)-OH** 1 g
N- α -Fmoc-N- β -(NH-Boc-amino-oxycetyl)-L-diaminopropionic acid 5 g
C₂₅H₂₉N₃O₈; M.W.: 499.5 25 g



04-12-1201 **Fmoc-Dpr(Boc)-OH** 1 g
N- α -Fmoc-N- β t-Boc-L-diaminopropionic acid 5 g
C₂₃H₂₆N₂O₆; M.W.: 426.4

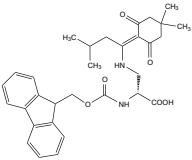
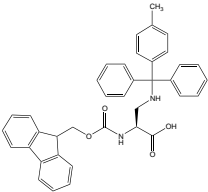
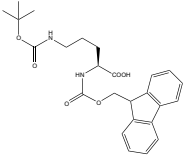
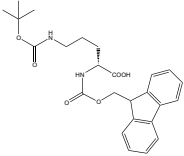
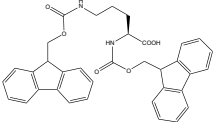
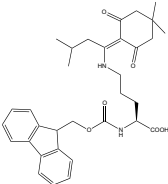
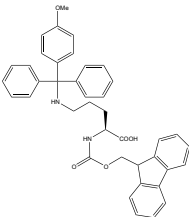
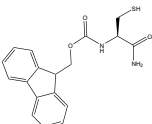


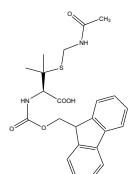
04-12-1186 **Fmoc-Dpr(Boc-Ser(tBu))-OH** 1 g
N- α -Fmoc-N- β -(O-t-butyl-Nt-Boc-L-serinyl)-L-diaminopropionic acid 5 g
C₃₀H₃₉N₃O₈; M.W.: 569.6 25 g



04-12-1195 **Fmoc-Dpr(ivDde)-OH** 1 g
N- α -Fmoc-N- β 1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)-3-methylbutyl-L-diaminopropionic acid 5 g
C₃₁H₃₆N₂O₆; M.W.: 532.5

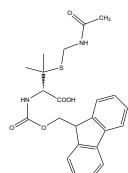


| | | |
|---|---|--------------------|
|  | 04-13-1074 Fmoc-D-Dpr(ivDde)-OH N α -Fmoc-N β -1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)-3-methylbutyl-D-diaminopropionic acid C ₃₁ H ₃₆ N ₂ O ₆ ; M.W.: 532.5 | 1 g 5 g |
|  | 04-12-1204 Fmoc-Dpr(Mtt)-OH N α -Fmoc-N ϵ -4-methyltrityl-L-diaminopropionic acid C ₃₈ H ₃₄ N ₂ O ₄ ; M.W.: 582.7 | 1 g 5 g |
|  | 04-12-1029 Fmoc-Orn(Boc)-OH N α -Fmoc-N δ 1-Boc-L-ornithine CAS No.: 109425-55-0; C ₂₅ H ₃₀ N ₂ O ₆ ; M.W.: 454.5 | 5 g 25 g |
|  | 04-13-1005 Fmoc-D-Orn(Boc)-OH N α -Fmoc-N δ 1-Boc-D-ornithine CAS No.: 118476-89-4; C ₂₅ H ₃₀ N ₂ O ₆ ; M.W.: 454.5 | 1 g 5 g 25 g |
|  | 04-12-1084 Fmoc-Orn(Fmoc)-OH N α , δ -di-Fmoc-L-ornithine C ₃₅ H ₃₂ N ₂ O ₆ ; M.W.: 576.7 | 5 g 25 g |
|  | 04-12-1203 Fmoc-Orn(ivDde)-OH N α -Fmoc-N δ 1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)-3-methylbutyl-L-ornithine C ₃₃ H ₄₀ N ₂ O ₆ ; M.W.: 560.7 | 1 g 5 g 25 g |
|  | 04-12-1168 Fmoc-Orn(Mtt)-OH N α -Fmoc-N δ 4-methyltrityl-L-ornithine C ₄₀ H ₃₈ N ₂ O ₄ ; M.W.: 610.8 | 1 g 5 g 25 g |
| | 04-13-1012 Fmoc-D-Orn(Mtt)-OH N α -Fmoc-N δ 4-methyltrityl-D-ornithine C ₄₀ H ₃₈ N ₂ O ₄ ; M.W.: 610.8 | 1 g 5 g |
| Amino acids with thiol & selenol side-chains | | |
|  | 04-12-1207 Fmoc-Cys-NH₂ N α -Fmoc-L-cysteinamide C ₁₈ H ₁₈ N ₂ O ₃ S; M.W.: 342.4 | 1 g 5 g 25 g |



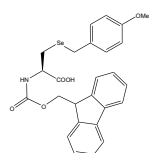
04-12-1116 **Fmoc-Pen(Acm)-OH**
N- α -Fmoc-S-acetamidomethyl-L-penicillamine
 $C_{23}H_{26}N_2O_5S$; M.W.: 442.5

1 g
5 g



04-13-1038 **Fmoc-D-Pen(Acm)-OH**
N- α -Fmoc-S-acetamidomethyl-D-penicillamine
 $C_{23}H_{26}N_2O_5S$; M.W.: 442.5

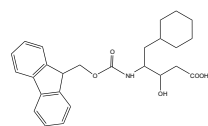
1 g
5 g



04-12-1206 **Fmoc-Sec(4-MeOBzl)-OH**
N- α -Fmoc-Se-p-methoxybenzyl-L-selenocysteine
 $C_{26}H_{25}NO_5Se$; M.W.: 510.4

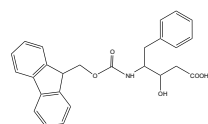
250 mg
500 mg

Aliphatic amino acids with alcohol side-chains



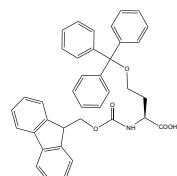
04-12-1098 **Fmoc-ACHPA**
N-Fmoc(3S,4S)-4-amino-5-cyclohexyl-3-hydroxypentanoic acid
 $C_{26}H_{31}NO_5$; M.W.: 437.5

1 g



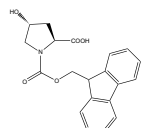
04-12-1011 **Fmoc-AHPPA**
N-Fmoc(3S,4S)-4-amino-3-hydroxy-5-phenylpentanoic acid
 $C_{26}H_{25}NO_5$; M.W.: 431.5

1 g



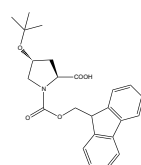
04-12-1126 **Fmoc-Hse(Trt)-OH**
N- α -Fmoc-O-trityl-L-homoserine
 $C_{38}H_{33}NO_5$; M.W.: 583.7

1 g
5 g



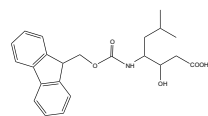
04-12-1068 **Fmoc-Hyp-OH**
N- α -Fmoc-L-trans-4-hydroxyproline
CAS No.: 88050-17-3; $C_{20}H_{19}NO_5$; M.W.: 353.4

5 g
25 g



04-12-1078 **Fmoc-Hyp(tBu)-OH**
N- α -Fmoc-O-t-butyl-L-trans-4-hydroxyproline
CAS No.: 122996-47-8; $C_{24}H_{27}NO_5$; M.W.: 409.5

1 g
5 g
25 g



04-12-1053 **Fmoc-Sta-OH**
N-Fmoc-L-statine
N-Fmoc(3S,4S)-4-amino-3-hydroxy-6-methylheptanoic acid
 $C_{23}H_{27}NO_5$; M.W.: 397.5

1 g

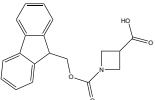
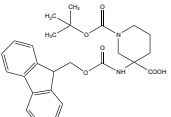
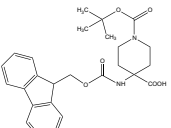
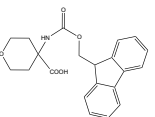
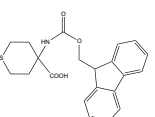
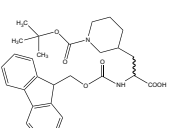
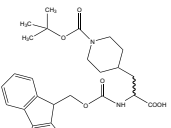
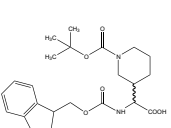
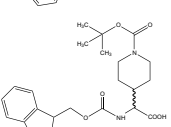
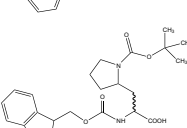
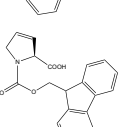
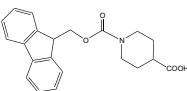


Aromatic amino acids

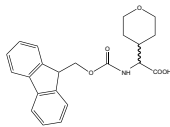
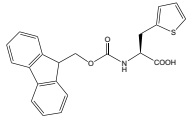
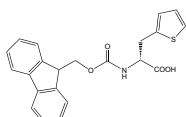
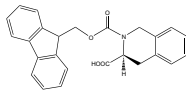
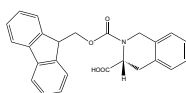
| | | |
|---|--|--------------------|
|  | 04-12-1212 Fmoc-DOPA(acetonide)-OH | 1 g |
|  | 04-12-9025 Fmoc-MePhe-OH N α -Fmoc-N α -methyl-L-phenylalanine CAS No.: 77128-73-5; C ₂₅ H ₂₃ NO ₄ ; M.W.: 401.5 | 1 g 5 g |
|  | 04-13-9004 Fmoc-D-MePhe-OH N α -Fmoc-N α -methyl-D-phenylalanine C ₂₅ H ₂₃ NO ₄ ; M.W.: 401.5 | 1 g 5 g |
|  | 04-12-1211 Fmoc-PABA-OH N α -Fmoc-p-aminobenzoic acid C ₂₂ H ₁₇ NO ₄ ; M.W.: 359.4 | 1 g 5 g 25 g |
|  | 04-12-1198 Fmoc-Phe(4-CN)-OH N α -Fmoc-4-cyano-L-phenylalanine C ₂₅ H ₂₀ N ₂ O ₄ ; M.W.: 412.4 | 1 g 5 g |
|  | 04-12-1096 Fmoc-Phe(4-Cl)-OH N α -Fmoc-4-chloro-L-phenylalanine C ₂₄ H ₂₀ NO ₄ Cl; M.W.: 421.9 | 1 g 5 g |
|  | 04-13-1061 Fmoc-D-Phe(4-Cl)-OH N α -Fmoc-4-chloro-D-phenylalanine C ₂₄ H ₂₀ NO ₄ Cl; M.W.: 421.9 | 1 g 5 g |
|  | 04-12-1122 Fmoc-Phe(4-F)-OH N α -Fmoc-4-fluoro-L-phenylalanine C ₂₄ H ₂₀ NO ₄ F; M.W.: 405.4 | 1 g 5 g |
|  | 04-12-1059 Fmoc-Phe(4-NO ₂)-OH N α -Fmoc-4-nitro-L-phenylalanine CAS No.: 95753-55-2; C ₂₄ H ₂₀ N ₂ O ₆ ; M.W.: 432.4 | 1 g 5 g 25 g |
|  | 04-12-1117 Fmoc-Phg-OH N α -Fmoc-L-phenylglycine CAS No.: 102410-65-1; C ₂₃ H ₁₉ NO ₄ ; M.W.: 373.4 | 1 g 5 g 25 g |
| | 04-13-1004 Fmoc-D-Phg-OH N α -Fmoc-D-phenylglycine CAS No.: 111524-95-9; C ₂₃ H ₁₉ NO ₄ ; M.W.: 373.4 | 1 g 5 g 25 g |
|  | 04-12-1240 Fmoc-4-amino-1-methylpyrrole-2-carboxylic acid C ₂₁ H ₁₈ N ₂ O ₄ ; M.W.: 362.4 | 1 g |

Heterocyclic amino acid



| | | |
|---|--|----------------------|
|  | 04-12-1241 Fmoc-3-azetidine carboxylic acid Azetidine-1,3-dicarboxylic acid mono-(9H-fluoren-9-ylmethyl) ester $C_{19}H_{17}NO_4$; M.W.: 323.3 | 1 g |
|  | 04-12-1218 (±)-3-(Fmoc-amino)-1-Boc-piperidine-3-carboxylic acid $C_{26}H_{30}N_2O_6$; M.W.: 466.5 | 1 g |
|  | 04-12-1215 4-(Fmoc-amino)-1-Boc-piperidine-4-carboxylic acid $C_{26}H_{30}N_2O_6$; M.W.: 466.5 | 1 g |
|  | 04-12-1222 4-(Fmoc-amino)-tetrahydropyran-4-carboxylic acid $C_{21}H_{21}NO_5$; M.W.: 367.4 | 1 g |
|  | 04-12-1224 4-(Fmoc-amino)-tetrahydrothiopyran-4-carboxylic acid $C_{21}H_{21}NO_5$; M.W.: 383.5 | 1 g |
|  | 04-12-1220 N-α-Fmoc-β-(1-Boc-piperidin-3-yl)-D,L-alanine $C_{28}H_{34}N_2O_6$; M.W.: 494.6 | 1 g |
|  | 04-12-1217 N-α-Fmoc-β-(1-Boc-piperidin-4-yl)-D,L-alanine $C_{28}H_{34}N_2O_6$; M.W.: 494.6 | 1 g |
|  | 04-12-1219 N-Fmoc-(1-Boc-piperidin-3-yl)-D,L-glycine $C_{27}H_{32}N_2O_6$; M.W.: 480.6 | 1 g |
|  | 04-12-1216 N-Fmoc-1(1-Boc-piperidin-4-yl)-D,L-glycine $C_{27}H_{32}N_2O_6$; M.W.: 480.6 | 1 g |
|  | 04-12-1221 N-α-Fmoc-β-(1-Boc-pyrrolidin-2-yl)-D,L-alanine $C_{27}H_{32}N_2O_6$; M.W.: 480.6 | 1 g |
|  | 04-12-1051 Fmoc-3,4-dehydro-Pro-OH N-α-Fmoc-3,4-dehydro-L-proline CAS No.: 135837-63-7; $C_{20}H_{17}NO_4$; M.W.: 335.4 | 1 g |
|  | 04-12-1183 Fmoc-Isn-OH N-α-Fmoc-piperidine-4-carboxylic acid $C_{21}H_{21}NO_4$; M.W.: 351.4 | 5 g 25 g 100 g |



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|---|---|------------|
|  | 04-12-1242 Fmoc(R,S)-3,4-cis-methanoproline C ₂₁ H ₁₉ NO ₄ ; M.W.: 349.4 | 1 g |
|  | 04-12-1223 N-Fmoc-(tetrahydropyran-4-yl)-D,L-glycine C ₂₂ H ₂₃ NO ₅ ; M.W.: 381.4 | 1 g |
|  | 04-12-1082 Fmoc-Thi-OH N α -Fmoc- β -thienyl-L-alanine C ₂₂ H ₁₉ NO ₄ S; M.W.: 393.4 | 1 g 5 g |
|  | 04-13-1049 Fmoc-D-Thi-OH N β -Fmoc- β -thienyl-D-alanine C ₂₂ H ₁₉ NO ₄ S; M.W.: 393.4 | 1 g 5 g |
|  | 04-12-1130 Fmoc-Tic-OH N-1-Fmoc-L-1,2,3,4-tetrahydro-isoquinoline-3-carboxylic acid C ₂₅ H ₂₁ NO ₄ ; M.W.: 399.4 | 1 g 5 g |
|  | 04-13-1065 Fmoc-D-Tic-OH N-1-Fmoc-D-1,2,3,4-tetrahydro-isoquinoline-3-carboxylic acid CAS No.: 130309-33-0; C ₂₅ H ₂₁ NO ₄ ; M.W.: 399.4 | 1 g 5 g |

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