# ADVENT CHEMBIO PVT. LTD.®

(ISO 9001:2015, ISO 14001:2015 & ISO / IEC 17025:2017 Certified Company)

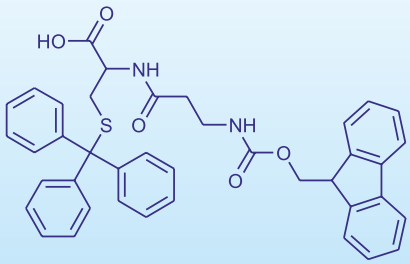
# Working Standards for Amino Acids, their Fmoc & other derivatives and short Peptides:

ADVENT CHEMBIO has a wide range of working standards of simple Amino Acids, their Boc/Fmoc/Cbz/Ester derivatives, and Fmoc-modified di- and tri-peptides etc. in its range to cater to their growing demands in Peptide Industry. These molecules, especially Fmoc amino acids & related peptides, possess eminent self-assembly features and have distinct potential applications due to their inherent hydrophobicity and aromaticity of Fmoc moiety, thus promoting the association of these bio-inspired building blocks.

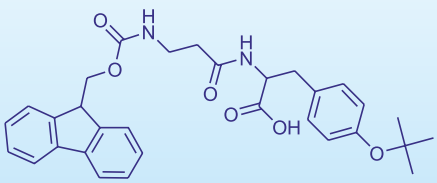
## Salient Features

- Thoroughly analysed for Highest Purity
- Characterized by analytical data such as Mass, IR, 1H NMR, SOR etc.
- Absence of related interfering & isomeric impurities
- Customized combination of amino acids as per the end application
- Available in mg to g scale

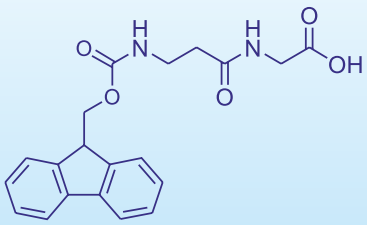
## Structures of Some Representative Molecules:



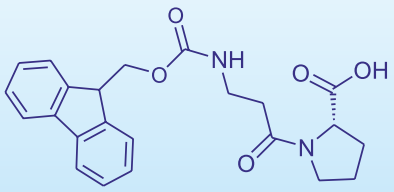
**Fmoc-β-Ala-Cys(Trt)-OH**
**CAS No. NA**



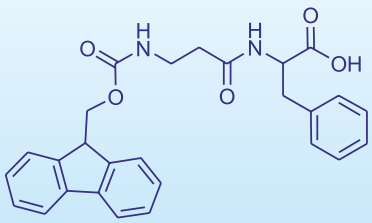
**Fmoc-β-Ala-Tyr(tBu)-OH**
**CAS No. NA**



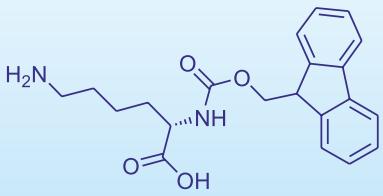
**Fmoc-β-Ala-Gly-OH**
**CAS No. NA**



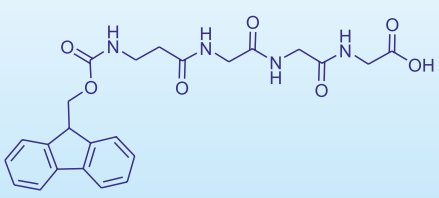
**Fmoc-β-Ala-Pro-OH**
**CAS No. NA**



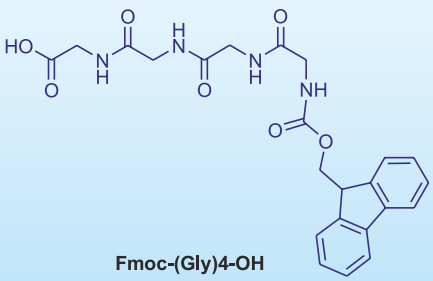
**Fmoc-β-Ala-Phe-OH**
**CAS No. NA**



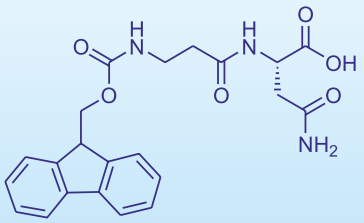
**$N_{\alpha}$-Fmoc-Lys-OH**
**CAS No. 105047-45-8**



**Fmoc-β-Ala-Gly-Gly-Gly-OH**
**CAS No. NA**



**Fmoc-(Gly)4-OH**
**CAS No. NA**



**Fmoc-β-Ala-Asn-OH**
**CAS No. NA**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## List of Amino Acid Working Standards in stock*:

| Name of Fmoc WS | CAS no. | Name of Fmoc WS | CAS No. |
|---|---|---|---|
| Fmoc-D-Phe-OH | 86123-10-6 | Fmoc-β-Ala-Gly-OH | NA |
| Fmoc-D-Glu-OtBu | 109745-15-5 | Fmoc-β-Ala-Pro-OH | NA |
| Fmoc-D-Lys(Mtt)-OH | 198544-94-4 | Fmoc-β-Ala-Gln-OH | NA |
| Fmoc-D-Asp(OtBu)-OH | 112883-39-3 | Fmoc-β-Ala-Asn-OH | NA |
| Fmoc-D-Glu(OtBu)-OH | 104091-08-9 | Fmoc-β-Ala-OH | 35737-10-1 |
| Fmoc-D-Ile-OH | 143688-83-9 | Fmoc-β-Ala-Phe-OH | NA |
| Fmoc-D-Arg(Pbf)-OH | 187618-60-6 | Fmoc-β-Ala-(Gly)3-OH | NA |
| Fmoc-D-Val-OH | 84624-17-9 | Fmoc-β-Ala-D-Ser(tBu)-OH | NA |
| Fmoc-D-Leu-OH | 114360-54-2 | Fmoc-β-Ala-Cys(Trt)-OH | NA |
| Fmoc-D-Trp(Boc)-OH | 163619-04-3 | Fmoc-β-Ala-Tyr(tBu)-OH | NA |
| Fmoc-D-Tyr(tBu)-OH | 118488-18-9 | Fmoc-β-Ala-Leu-OH | NA |
| Fmoc-D-Thr(tBu)-OH | 138797-71-4 | Fmoc-ß-Ala-Trp-OH | NA |
| Fmoc-D-Ser(tBu)-OH | 128107-47-1 | Fmoc-β-Ala-Tyr-OH | NA |
| Fmoc-D-Gln(Trt)-OH | 200623-62-7 | Fmoc-(Gly)4-OH | NA |
| Fmoc-D-His(Mmt)-OH | 1263046-28-1 | Fmoc-Gly-Gly-OH | 35665-38-4 |
| Fmoc-D-Tyr(Clt)-OH | 1272755-49-3 | Fmoc-Lys(Boc)-OH | 71989-26-9 |
| Fmoc-D-Ser-OH | 116861-26-8 | Fmoc-Allo-Thr(tBu)-OH | 201481-37-0 |
| Fmoc-D-Allo-Ile-OH | 118904-37-3 | Fmoc-Phe-Phe-OH | 84889-09-8 |
| Fmoc-D-Ala-OH | 79990-15-1 | Fmoc-L-Cys(trt)-OH | 103213-32-7 |
| Fmoc-Osu | 82911-69-1 | L-Proline | 147-85-3 |
| Fmoc-L-Phe-OH | 35661-40-6 | L-Phenylalanine | 63-91-2 |
| Fmoc-Ser-OH | 73724-45-5 | L-Leucine | 61-90-5 |
| Fmoc-His-OH | 116611-64-4 | L-Tryptophan | 73-22-3 |
| Fmoc-Cys-OH | 135248-89-4 | D-Tryptophan | 153-94-6 |
| Fmoc-Lys-OH | 105047-45-8 | D-Tyrosine | 556-02-5 |
| Boc-D-Phe-OH | 18942-49-9 | D-Prolinamide | 62937-45-5 |
| N-Boc-Tyr(Clt)-OH | NA | L-Prolinamide | 7531-52-4 |
| Boc-D-Aph(Cbm-tBu)-OH | 324017-19-8 | D-2-Aminobutyric acid | 2623-91-8 |
| H-His(Mmt)-OH | NA | D-Pyroglutamic acid | 4042-36-8 |
| ß-alanine {3-aminopropionic acid} | 107-95-9 | 3,4-Dihydroxy-D-phenylalanine | 5796-17-8 |
| L-Ornithine Monohydrochloride | 3184-13-2 | 3,4-Dihydroxy-L-phenylalanine | 59-92-7 |
| 5-Benzyl-D-glutamate | 2578-33-8 | 3-(3,4-Dimethoxy)-L-Phenylalanine | 32161-30-1 |
| 5-Benzyl-L-glutamate | 1676-73-9 | 4-Hydroxy-L-(+)-2-phenylglycine | 32462-30-9 |

*The list is not exhaustive and new Amino acids, their derivatives and short peptides are being added to the ever-expanding basket continually. Kindly send your queries to sales@adventchembio.com.


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