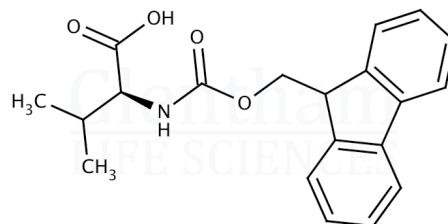


## Certificate of Analysis

Product Name Fmoc-Val-OH  
Glentham Code GM1305  
CAS Number 68858-20-8  
EINECS 272-515-0  
MDL Number MFCD00037124  
PubChem SID 310273870  
Batch Number 822PKY

Molecular Weight 339.39  
Molecular Formula  $C_{20}H_{21}NO_4$   
Storage Temp. +4°C



| Property                                        | Specification              | Batch 822PKY |
|-------------------------------------------------|----------------------------|--------------|
| Physical Description                            | White powder               | White powder |
| Solubility (10% in DMF)                         | Clear, colourless solution | Conforms     |
| Specific Optical Rotation ( $[\alpha]_{20/D}$ ) | -18.5 - -14.5 ° (c=1, DMF) | -16.6°       |
| Melting Point                                   | 142.0 - 150.0 °C           | 145.9°C      |
| Water (KF)                                      | ≤ 1.0%                     | 0.09%        |
| D-Enantiomer                                    | ≤ 0.3%                     | Not detected |
| Purity (TLC)                                    | ≥ 98%                      | ≥98%         |
| Purity (HPLC)                                   | ≥ 99.0%                    | 99.62%       |

Specification Version v1.0  
Manufacture Date 2022-03-08  
Re-Test Date 2029-07-08

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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