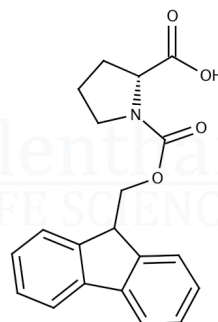


## Certificate of Analysis

|               |               |
|---------------|---------------|
| Product Name  | Fmoc-D-Pro-OH |
| Glentham Code | GM1101        |
| CAS Number    | 101555-62-8   |
| MDL-Nummer    | MFCD00077067  |
| PubChem SID   | 310273782     |
| Batch Number  | 325HAA        |

|                   |                    |
|-------------------|--------------------|
| Molecular Weight  | 337.38             |
| Molecular Formula | $C_{20}H_{19}NO_4$ |
| Storage Temp.     | +4°C               |



| Property                                        | Specification                | Batch 325HAA     |
|-------------------------------------------------|------------------------------|------------------|
| Physical Description                            | White or almost white powder | White powder     |
| Solubility (10% in DMF)                         | Clear solution               | Entspricht       |
| Specific Optical Rotation ( $[\alpha]_{20/D}$ ) | +28.0 - +33.0 ° (c=1, DMF)   | +31.4 °          |
| Melting Point                                   | 110.0 - 118.0 °C             | 112.5 - 116.5 °C |
| Water (KF)                                      | ≤ 3.0%                       | 0.33%            |
| L-Enantiomer                                    | ≤ 0.5%                       | 0.0465%          |
| Purity (HPLC)                                   | ≥ 99.0%                      | 99.47%           |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.1       |
| Manufacture Date      | 2016-06-21 |
| Re-Test Date          | 2027-03-16 |

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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