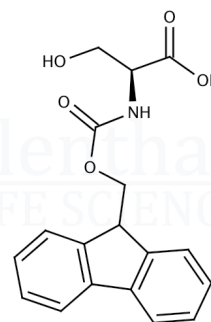


## Certificate of Analysis

|               |              |
|---------------|--------------|
| Product Name  | Fmoc-Ser-OH  |
| Glentham Code | GM5457       |
| CAS Number    | 73724-45-5   |
| MDL Number    | MFCD00051928 |
| PubChem SID   | 310273802    |
| Batch Number  | 565NHE       |

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Molecular Weight  | 327.34                                          |
| Molecular Formula | C <sub>18</sub> H <sub>17</sub> NO <sub>5</sub> |
| Storage Temp.     | +4°C                                            |



| Property                                                    | Specification              | Batch 565NHE               |
|-------------------------------------------------------------|----------------------------|----------------------------|
| Physical Description                                        | White to off-white powder  | White powder               |
| Identification (IR)                                         | To conform to standard     | Conforms                   |
| Solubility (10% in DMF)                                     | Clear, colourless solution | Clear, colourless solution |
| Specific Optical Rotation ([α] <sub>D</sub> <sup>20</sup> ) | -14.0 - -10.0 ° (c=1, DMF) | -11.0                      |
| Melting Point                                               | 85.0 - 100.0 °C            | 87.1°C                     |
| Water (KF)                                                  | ≤ 7.0%                     | 0.5%                       |
| Purity (HPLC)                                               | ≥ 98.0%                    | 99.2%                      |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.1       |
| Manufacture Date      | 2022-06-21 |
| 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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