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Certificate of Analysis

Catalogue Number 05706
Lot Number 000424-161201-36100
Product **Fmoc-O-benzyl-D-serine**

Fmoc-D-Ser(Bzl)-OH

CAS Number 122889-11-6
Molecular Formula C₂₅H₂₃NO₅

Molecular Weight 417.5

Appearance White powder
Solubility Clear solution (0.3 g in 2 mL DMF)
Melting Point 145.9-146.4 °C
Water Content (Karl Fisher) 0.57%
Optical Rotation [α]_D²⁰ = -24.1° (C=1 in EtOAc)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.18% (50 °C, 2h)
¹H NMR Conforms to structure
Purity by HPLC 99.86%
Storage Store at 0-8 °C
Remarks See material safety data sheet for additional information
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager