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Certificate of Analysis

Catalogue Number 03737
Lot Number 000424-160513-36108
Product **Fmoc-O-trityl-L-serine**

Fmoc-L-Ser(Trt)-OH

CAS Number 111061-56-4
Molecular Formula C₃₇H₃₁NO₅

Molecular Weight 569.7

Appearance White powder
Solubility Clear solution (0.3 g in 2 mL DMF)
Melting Point 201.6-202.8 °C
Elemental Analysis (Found) < 5% (C,H,N)
Water Content (Karl Fisher) 0.296%
Optical Rotation [α]_D²⁰ = + 8.2° (C=1 in DMF)
Infrared Spectrum Conforms to standard
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.34%
¹H NMR Conforms to standard
D-Enantiomer 0.0118%
Purity by HPLC 99.85%
Purity by TLC > 98%
Storage Store at 0-8 °C

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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