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Certificate of Analysis

Catalogue Number 12392
Lot Number 000424-150626-36655
Product **Fmoc-D-glutamic acid γ -allyl ester**

Fmoc-D-Glu(OAll)-OH

Fmoc-D-glutamic acid 5-allyl ester

CAS Number 204251-33-2

Molecular Formula C₂₃H₂₃NO₆

Molecular Weight 409.4

Appearance White powder
Solubility Clear solution (0.3 g in 2 mL DMF)
Melting Point 128.8-130.4 °C
Water Content (Karl Fisher) 0.692%
Optical Rotation [α]_D²⁰ = +17.7° (C=1 in DMF)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to structure
Loss on Drying 0.40% (50 °C, 2h)
¹H NMR Conforms to structure
L-Enantiomer 0.0179%
Purity by HPLC 99.40%
Chiral Purity 99.98% (ee)
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