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Certificate of Analysis

Catalogue Number 02412
Product Fmoc-L-glutamic acid γ -benzyl ester

Lot Number 000424-171114-36603
Fmoc-L-Glu(OBzl)-OH

CAS Number 123639-61-2
Molecular Formula C₂₇H₂₅NO₆

Molecular Weight 459.5

Appearance White powder
Solubility Clear solution (0.3 g in 2 mL DMF)
Melting Point 138.0 - 139.6 °C
Water Content (Karl Fisher) 0.16%
Optical Rotation [α]_D²⁰ = 10.8 ° (C=1 in CHCl₃)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.02% (60 °C, 2h)
¹H NMR Conforms to structure
Chiral HPLC 100% (ee)
D-Enantiomer Not detected
Purity by HPLC 99.54%
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