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Certificate of Analysis

Catalogue Number	02415
Product	Fmoc-L-glutamic acid α-tert-butyl ester
Lot Number	000424-200901-36607 Fmoc-L-Glu-OtBu
CAS Number	84793-07-7
Molecular Formula	C ₂₄ H ₂₇ NO ₆
Molecular Weight	425.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	105.4 - 107.2 °C
Water Content (Karl Fisher)	0.21%
Optical Rotation	[α] _D ²⁰ = -11.4 ° (C=1 in AcOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.12% (50 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.91% (ee)
D-Enantiomer	0.09%
Purity by HPLC	99.47%
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