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Certificate of Analysis

Catalogue Number	01351
Product	Boc-L-glutamic acid γ-tert-butyl ester
Lot Number	000424-180611-30605 Boc-L-Glu(OtBu)-OH
CAS Number	13726-84-6
Molecular Formula	C ₁₄ H ₂₅ NO ₆
Molecular Weight	303.4

Appearance	White powder
Solubility	Clear solution (0.3g in 2ml DMF)
Melting Point	112.3 - 113.0 °C
Elemental Analysis (Theory)	< 5% (C, H, N)
Water Content (Karl Fisher)	0.19%
Optical Rotation	[α] _D ²⁰ = -9.7 ° (C=2 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.10% (40 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.92% (ee)
D-Enantiomer	0.0728%
Purity by HPLC	99.45%
Purity by TLC	> 98%
Storage	Store at 0-8°C

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Lot Number: 000424-180611-30605

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