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Certificate of Analysis

Catalogue Number	00494
Product	Fmoc-L-aspartic acid β-tert-butyl ester
Lot Number	000424-141111-36501 Fmoc-L-Asp(OtBu)-OH
CAS Number	71989-14-5
Molecular Formula	C ₂₃ H ₂₅ NO ₆
Molecular Weight	411.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	148.7-149.5 °C
Water Content (Karl Fisher)	0.035%
Optical Rotation	$[\alpha]_D^{20} = -23.9^\circ$ (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.53% (70 °C, 2h)
¹H NMR	Conforms to structure
D-Enantiomer	0.1468%
Purity by HPLC	99.87%
Purity by TLC	> 98%
Storage	Store at 0-8 °C
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