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Certificate of Analysis

Catalogue Number	02419
Product	Fmoc-D-α-tert-butylglycine
Lot Number	000424-220104-37009 Fmoc-D- α -tert-butyl-Gly-OH Fmoc-D-Tle-OH
CAS Number	198543-64-5
Molecular Formula	C ₂₁ H ₂₃ NO ₄
Molecular Weight	353.5

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	139.2 - 140.0 °C
Water Content (Karl Fisher)	0.10%
Optical Rotation	[α] _D ²⁰ = 19.6 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.87% (60 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
L-Enantiomer	Not detected
Purity by HPLC	99.34%
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