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Certificate of Analysis

Catalogue Number	02401
Lot Number	000424-200302-35204
Product	Fmoc-S-tert-butyl-L-cysteine Fmoc-L-Cys(tBu)-OH
CAS Number	67436-13-9
Molecular Formula	C ₂₂ H ₂₅ NO ₄ S
Molecular Weight	399.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	136.6 - 137.8 °C
Water Content (Karl Fisher)	0.06%
Optical Rotation	[α] _D ²⁰ = -24.8 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.08% (50 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.96% (ee)
D-Enantiomer	0.04%
Purity by HPLC	98.66%
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