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Certificate of Analysis

Catalogue Number	31113
Product	Fmoc-S-4-methyltrityl-D-cysteine
Lot Number	000424-180206-36307 Fmoc-D-Cys(Mtt)-OH
CAS Number	252206-29-4
Molecular Formula	C ₃₈ H ₃₃ NO ₄ S
Molecular Weight	599.75

Appearance	White powder
Solubility	Clear solution (0.3g in 2ml DMF)
Melting Point	105.3 - 109.2 °C
Water Content (Karl Fisher)	0.89%
Optical Rotation	[α] _D ²⁰ = - 19.8° (C=2 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.01% (45°C, 2h)
Residual Solvents	MeOH: 3.4%
¹H NMR	Conforms to structure
Purity by HPLC	99.52%
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