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Certificate of Analysis

Catalogue Number	02065
Lot Number	000424-110901-35206
Product	Fmoc-S-trityl-D-cysteine

Fmoc-D-Cys(Trt)-OH

CAS Number	167015-11-4
Molecular Formula	C ₃₇ H ₃₁ NO ₄ S
Molecular Weight	585.7

Appearance	White powder
Solubility	Clear solution (0.3g in 2 mL DMF)
Melting Point	174.9-175.3 °C
Water Content (Karl Fisher)	0.07%
Kaiser Test	< 0.05%
Optical Rotation	[α] _D ²⁰ = -20.43 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.17% (80 °C, 2h)
¹H NMR	Conforms to structure
L-Enantiomer	0.0395%
Purity by HPLC	99.75%
Purity by TLC	> 98%
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