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Certificate of Analysis

Catalogue Number	03909
Product	<i>N</i>^α,<i>N</i>^α-Bis-Fmoc-L-cystine(Disulfide bond)
Lot Number	000424-170615-35269 (Fmoc-L-Cys-OH) ₂
CAS Number	135273-01-7
Molecular Formula	C ₃₆ H ₃₂ N ₂ O ₈ S ₂
Molecular Weight	684.79
Appearance	White powder
Solubility	Clear solution (0.1 g in 2 mL DMF)
Melting Point	135.8 - 140.6 °C
Water Content (Karl Fisher)	≤ 2%
Optical Rotation	[α] ²⁰ _D = -135.8 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (60 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.74%
Storage	Store at 0 - 8 °C
Additional Information	THF : 3.8%

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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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager