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Certificate of Analysis

Catalogue Number	03700
Lot Number	000424-191028-36304
Product	Fmoc-S-acetamidomethyl-D-cysteine Fmoc-D-Cys(Acm)-OH
CAS Number	168300-88-7
Molecular Formula	C ₂₁ H ₂₂ N ₂ O ₅ S
Molecular Weight	414.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	120.4 - 121.5 °C
Water Content (Karl Fisher)	0.63%
Optical Rotation	[α] _D ²⁰ = 32.8 ° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.14% (60 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.97% (ee)
L-Enantiomer	0.0284%
Purity by HPLC	98.52%
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