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Certificate of Analysis

Catalogue Number	03915
Lot Number	000424-210312-37002
Product	Fmoc-S-trityl-L-penicillamine Fmoc-L-Pen(Trt)-OH
CAS Number	201531-88-6
Molecular Formula	C ₃₉ H ₃₅ NO ₄ S
Molecular Weight	613.72

Appearance	Off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Water Content (Karl Fisher)	0.55%
Optical Rotation	[α] _D ²⁰ = 34.3 ° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.72% (40 °C, 2h)
Residual Solvents	Petroleum ether : 3.8%
¹H NMR	Conforms to structure
Chiral HPLC	99.95% (ee)
D-Enantiomer	0.0446%
Purity by HPLC	99.71%
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