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Certificate of Analysis

Catalogue Number	42548
Lot Number	000424-210116-43700
Product	(R)-Fmoc-2-amino-tetradecanoic acid (2R)-2-(Fmoc-amino)tetradecanoic acid
CAS Number	478706-39-7
Molecular Formula	C ₂₉ H ₃₉ NO ₄
Molecular Weight	465.62

Appearance	White powder
Solubility	Clear solution (0.3g in 2mL DMF)
Melting Point	107.1 - 110.6 °C
Water Content (Karl Fisher)	0.02%
Optical Rotation	[α] _D ²⁰ = 9 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.08% (50 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.97% (ee)
Other Enantiomer	0.0259%
Purity by HPLC	97.72%
Storage	Store at 2 - 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