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Certificate of Analysis

Catalogue Number	02874
Lot Number	000424-201022-36705
Product	<i>N</i>^α-Fmoc-<i>N</i>^{im}-trityl-D-histidine Fmoc-D-His(Trt)-OH
CAS Number	135610-90-1
Molecular Formula	C ₄₀ H ₃₃ N ₃ O ₄
Molecular Weight	619.7

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	142.0 - 143.1 °C
Water Content (Karl Fisher)	1.11%
Optical Rotation	[α] _D ²⁰ = -80.1 ° (C=1 in CHCl ₃)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.45% (60 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
L-Enantiomer	Not detected
Purity by HPLC	99.68%
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