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Certificate of Analysis

Catalogue Number	04038
Product	<i>N</i>^α-Boc-<i>N</i>^{im}-trityl-L-histidine
Lot Number	000424-160905-30809 Boc-L-His(Trt)-OH
CAS Number	32926-43-5
Molecular Formula	C ₃₀ H ₃₁ N ₃ O ₄
Molecular Weight	497.6

Appearance	White powder
Solubility	Clear solution (0.3 g in 2mL DMF)
Water Content (Karl Fisher)	3.532%
Optical Rotation	[α] _D ²⁰ = +13.0° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.97% (60 °C, 2h)
¹H NMR	Conforms to structure
D-Enantiomer	0.0594%
Purity by HPLC	98.82%
Purity by TLC	> 98%
Chiral Purity	99.94% (ee)
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