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Certificate of Analysis

Catalogue Number	04050
Lot Number	000424-170322-30810
Product	<i>N</i>^α-Boc-<i>N</i>^{im}-4-toluenesulfonyl-D-histidine Boc-D-His(Tos)-OH
CAS Number	69541-68-0
Molecular Formula	C ₁₈ H ₂₃ N ₃ O ₆ S
Molecular Weight	409.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	122.7 °C
Water Content (Karl Fisher)	0.79%
Optical Rotation	[α] _D ²⁰ = -16.2 ° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.53% (50 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
L-Enantiomer	Not detected
Purity by HPLC	99.55%
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