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Certificate of Analysis

Catalogue Number	01574
Product	<i>N</i>^α-Boc-<i>N</i>^{im}-4-toluenesulfonyl-L-histidine
Lot Number	000424-160411-30803 Boc-L-His(Tos)-OH
CAS Number	35899-43-5
Molecular Formula	C ₁₈ H ₂₃ N ₃ O ₆ S
Molecular Weight	409.5

Appearance	Off-white powder
Solubility	Clear solution (0.3g in 2 mL DMF)
Melting Point	121.4-125.7 °C
Elemental Analysis (Found)	< 5.0% (C,H,N)
Water Content (Karl Fisher)	0.487%
Optical Rotation	[α] _D ²⁰ = +16.1° (C=1 in MeOH)
Infrared Spectrum	Conforms to standard
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.80%
¹H NMR	Conforms to standard
D-Enantiomer	Not detectable
Purity by HPLC	99.69%
Purity by TLC	> 98%
Storage	Store at 0-8 °C

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Catalog Number: 01574

Lot Number: 000424-160411-30803

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