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Certificate of Analysis

Catalogue Number	05304
Product	<i>N</i>^α-Boc-<i>N</i>^{im}-benzyl-L-histidine
Lot Number	000127-1073861 Boc-L-His(Bzl)-OH
CAS Number	20898-44-6
Molecular Formula	C ₁₈ H ₂₃ N ₃ O ₄
Molecular Weight	345.4

Appearance	White powder
Appearance of Solution	Clear, colorless solution (50 mg/ml in methanol)
Melting Point	180 °C
Water Content (Karl Fisher)	0.1%
TLC System	Chloroform/ methanol/ acetic acid 32% 5/3/1 n-butanol/ acetic acid/ water 4/2/2 Ethylacetate/ pyridine/ acetic acid/ water 60/20/6/11 Plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Optical Rotation	[α] _D ²⁴ = + 23.2 ° (C=1, in MeOH)
Assay	99.8% (Nfd 12.15% by elemental analysis)
D-Enantiomer	0.2%
Purity by HPLC	99.9% (TFA)
Purity by TLC	> 99%
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