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Product Specifications

Catalogue Number	50797
Product	<i>N</i>^α-Boc-<i>N</i>^{im}-trityl-D-histidine Boc-D-His(Trt)-OH
CAS Number	393568-74-6
Molecular Formula	C ₃₀ H ₃₁ N ₃ O ₄
Molecular Weight	497.59

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	177 - 179 °C
Water Content (Karl Fisher)	≤ 5%
Optical Rotation	[α] _{D20} = -12 ± 2 ° (C=1 in Methanol)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2% (60 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
Purity by HPLC	≥ 98%
L-Enantiomer	≤ 0.5%
Storage	Store at 0 - 8 °C

For Laboratory Use Only