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Product Specifications

Catalogue Number	49626
Product	<i>N</i>^α-Fmoc-<i>N</i>^{im}-trityl-L-histidine Fmoc-L-His(Trt)-OH
CAS Number	109425-51-6
Molecular Formula	C ₄₀ H ₃₃ N ₃ O ₄
Molecular Weight	619.7

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	135 - 140 °C
Elemental Analysis (Theory)	≤ 5% (C, H and N)
Water Content (Karl Fisher)	≤ 2%
Kaiser Test	≤ 0.05%
Optical Rotation	[α] _{D20} = +86 ± 8° (C=5 in CHCl ₃)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2% (50 °C, 2 h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.7%
D-Enantiomer	≤ 0.3%
Purity by HPLC	≥ 99%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only