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Certificate of Analysis

Catalogue Number 00713
Lot Number 000424-131217-36701
Product *N*^α-Fmoc-*N*^{im}-trityl-L-histidine

Fmoc-L-His(Trt)-OH

CAS Number 109425-51-6
Molecular Formula C₄₀H₃₃N₃O₄
Molecular Weight 619.7

Appearance White powder
Solubility Clear solution (0.3 g in 2 mL DMF)
Melting Point 141.7-142.5 °C
Water Content (Karl Fisher) 0.695%
Kaiser Test < 0.05%
Optical Rotation [α]_D²⁰ = +92.78° (C=5 in CHCl₃)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 1.03% (50 °C, 2h)
¹H NMR Conforms to structure
D-Enantiomer Not detectable
Purity by HPLC 99.88%
Purity by TLC > 98%
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