



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-319875
Lot Number: SAMPLE
Product Name: Fmoc-His(Mtt)-OH
CAS Number: 133367-34-7
Molecular Formula: $C_{41}H_{35}N_3O_4$
Molecular Weight: 633.73

Test	Result
Appearance	White crystals
Purity	94.5%
Purity (HPLC)	HPLC(214 nm) = 99.3%, HPLC(265 nm) = 99.8%; HPLC = Nucleosil C8; 100 x 4 mm; Gradient: A=0.1% TFA in Water, B=0.1% TFA in Acetonitrile, 5% B to 80% B in 30 Min.
Purity (TLC)	100%
Melting Point	142 - 143 °C
Solubility	Clearly soluble (0.5 mmole in 1 ml DMF)
Optical Rotation ($\alpha_{22/D}$)	+90.5° (C = 5 in CHCl ₃)
Kaiser Test	Negative

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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