



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-294819
Lot Number: SAMPLE
Product Name: Fmoc-D-Lys(Mtt)-OH
CAS Number: 198544-94-4
Molecular Formula: $C_{41}H_{40}N_2O_4$
Molecular Weight: 624.77

Test	Specification	Result
Appearance		White crystals
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity		100%
Purity (HPLC)		99.21% (A265) 98.91% (A220)
Purity (TLC)		> 99%
Melting Point		140 - 143 °C
Residual Solvents		Ethyl acetate
Solubility		Clearly soluble (0.5 mmol in 1 ml DMF)
Optical Rotation ($\alpha_{20/D}$)		-2.85° (c = 1, THF)
Impurity		L-Enantiomer: < 0.1%
Kaiser Test		Positive
Water Content (KF)		0.19%
Amino Acid Analysis		< 0.1%

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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