



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-477300A
Lot Number: SAMPLE
Product Name: N α -Fmoc-N ϵ -methyltrityl-L-lysine
CAS Number: 167393-62-6
Molecular Formula: C₄₁H₄₀N₂O₄
Molecular Weight: 624.79

Test	Result
Appearance	Off-white powder
Free Acid	Free Amino Acids : < 0.1%
Identification (Infrared Spectrum)	Consistent with structure
Purity	100%
Purity (HPLC)	HPLC 265: 99.8% HPLC 220: 99.7%
Purity (TLC)	> 99%
Melting Point	143 - 145 °C
Solubility	Clearly soluble (0.5 mmole in 1 mL DMF)
Optical Rotation (α ₂₀ /D)	+3.2° (C=1 in THF)
Impurity	D-Enantiomer : < 0.2%
Ethyl Acetate	1.1%
Water Content (KF)	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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