



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-295878A
Lot Number: SAMPLE
Product Name: N α -Fmoc-N ϵ -trityl-L-lysine
CAS Number: 111061-54-2
Molecular Formula: C₄₀H₃₈N₂O₄
Molecular Weight: 610.74

Test	Specification	Result
Appearance		White crystals
Enantiomeric Content		D-Enantiomer < 0.1%
Identification (Infrared Spectrum)	Consistent with reference	Complies
Purity		100%
Purity (HPLC)		99.9% (at 265 nm, 220 nm)
Purity (TLC)		> 99%
Melting Point		131 - 133 °C
Residual Solvents		Ethyl acetate
Solubility		Clearly soluble (0.5 mmole in 1 ml DMF)
Optical Rotation (α _{20/D})		+5.4° (c=2, in CHCl ₃)
Kaiser Test		Positive
Water Content (KF)		0.09%
Amino Acid Analysis		< 0.1% of the free amino acid

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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