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Certificate of Analysis

Catalogue Number	11967
Lot Number	000201-4027
Product	<i>N</i>^α-Fmoc-<i>N</i>^ε-trityl-L-lysine Fmoc-L-Lys(Trt)-OH
CAS Number	111061-54-2
Molecular Formula	C ₄₀ H ₃₈ N ₂ O ₄
Molecular Weight	610.75
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Appearance	Off-white crystalline powder
Solubility	Clearly soluble (0.5 mmole in 1 ml DMF)
Melting Point	129-132 °C
Water Content (Karl Fisher)	0.17%
Kaiser Test	Positive
TLC System	Chloroform/Methanol/Acetic acid (90:8:2)
Optical Rotation	[α] _D ²⁰ = +5.9° (C=2, in CHCl ₃)
Infrared Spectrum	Conforms to structure
Residual Solvents	Not detected
Free Amino Acids	< 0.1%
Assay	102%
D-Enantiomer	< 0.1%
Purity by HPLC	HPLC(265 nm) = 99.6%, HPLC(220 nm) = 99.8%
Purity by TLC	> 99%
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