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Certificate of Analysis

Catalogue Number	03720
Product	<i>N</i>^α-Fmoc-<i>N</i>^ε-methyltrityl-L-lysine
Lot Number	000201-4071 Fmoc-L-Lys(Mtt)-OH
CAS Number	167393-62-6
Molecular Formula	C ₄₁ H ₄₀ N ₂ O ₄
Molecular Weight	624.79
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Appearance	White crystals
Solubility	Clearly soluble (0.5 mmole in 1 ml DMF)
Melting Point	141-143 °C
Water Content (Karl Fisher)	0.14%
Optical Rotation	[α] _D ²⁰ = +3.36° (C=1, in THF)
Infrared Spectrum	Conforms to structure
Residual Solvents	Ethyl acetate
Free Amino Acids	< 0.1%
Assay	100%
D-Enantiomer	< 0.1%
Purity by HPLC	HPLC (265 nm) = 99.91%, HPLC (220 nm) = 99.94%; HPLC = Lichrospher C8; 125 x 4 mm; Gradient: A = 0.1% TFA in water; B = 0.1% TFA in acetonitrile, 30% B to 100% B in 30 min
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