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Certificate of Analysis

Catalogue Number	31939
Product	<i>N</i>^α-Fmoc-<i>N</i>^ε-4-methoxyvltrityl-D-lysine
Lot Number	000201-5247
	Fmoc-D-Lys(Mmt)-OH
CAS Number	2044710-18-9
Molecular Formula	C ₄₁ H ₄₀ N ₂ O ₅
Molecular Weight	640.8

Appearance	Beige powder
Solubility	Clearly soluble (0.5 mmol in 1ml DMF)
Melting Point	126 - 130 °C
Water Content (Karl Fisher)	0.1%
Kaiser Test	Negative to slightly positive
TLC System	Chloroform/ methanol/ acetic acid (90:8:2)
Optical Rotation	[α] _D ²⁰ = + 9.6° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Residual Solvents	Not detected
Assay	99%
Chiral HPLC	> 99.9% (ee)
L-Enantiomer	< 0.1%
Purity by HPLC	99.5% (265 nm) 98.9% (220 nm)
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