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Certificate of Analysis

Catalogue Number	33081
Lot Number	000424-190114-36804
Product	Fmoc-Lys-OH•HCl <i>N</i> ^α -Fmoc-L-lysine hydrochloride
CAS Number	139262-23-0
Molecular Formula	C ₂₁ H ₂₄ N ₂ O ₄ •HCl
Molecular Weight	404.9

Appearance	White powder
Solubility	Clear solution (0.3g in 2ml DMF)
Melting Point	189.4 - 190.0 °C
Water Content (Karl Fisher)	0.973%
Optical Rotation	[α] ²⁰ _D = -11.7 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.130% (90 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
D-Enantiomer	Not detected
Purity by HPLC	99.60%
Storage	Store at 2-8 °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