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Certificate of Analysis

Catalogue Number	05703
Product	<i>N</i>^α-Fmoc-D-lysine hydrochloride
Lot Number	000424-160813-36882 Fmoc-D-Lys-OH•HCl
CAS Number	201002-47-3
Molecular Formula	C ₂₁ H ₂₄ N ₂ O ₄ •HCl
Molecular Weight	404.9

Appearance	White powder
Solubility	Clearly soluble (0.5 mmole in 1 mL DMF)
Melting Point	192-196.3 °C
Water Content (Karl Fisher)	3.30%
Optical Rotation	[α] _D ²⁰ = + 9.4° (C=1 in DMF)
Infrared Spectrum	Conforms to standard
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.98% (70 °C/2h)
¹H NMR	Conforms to standard
D-Enantiomer	0.0359%
Purity by HPLC	98.79%
Chiral Purity	99.96% (ee)
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