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Certificate of Analysis

Catalogue Number	02431
Lot Number	000424-160816-36807
Product	<i>N</i>^α-Fmoc-<i>N</i>^ε-Boc-D-lysine
	Fmoc-D-Lys(Boc)-OH
CAS Number	92122-45-7
Molecular Formula	C ₂₆ H ₃₂ N ₂ O ₆
Molecular Weight	468.6

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	130.5-135.4 °C
Water Content (Karl Fisher)	0.2%
Kaiser Test	< 0.05%
Optical Rotation	[α] _D ²⁰ = +13.5° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.06% (60 °C, 2h)
¹H NMR	Conforms to structure
L-Enantiomer	0.0142%
Purity by HPLC	99.91%
Purity by TLC	> 98%
Chiral Purity	99.9% (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