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Certificate of Analysis

Catalogue Number	00493
Lot Number	000424-160612-36802
Product	<i>N</i>^α-Fmoc-<i>N</i>^ε-Boc-L-lysine Fmoc-L-Lys(Boc)-OH
CAS Number	71989-26-9
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)
Water Content (Karl Fisher)	0.35%
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	0.34% (50 °C, 2h)
¹H NMR	Conforms to structure
D-Enantiomer	Not detectable
Purity by HPLC	99.79%
Purity by TLC	> 98%
Chiral Purity	100% (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