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Product Specifications

Catalogue Number	49623
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)
Melting Point	125 - 140 °C
Water Content (Karl Fisher)	≤ 1%
Kaiser Test	≤ 0.05%
Optical Rotation	[α] _D ²⁰ = -12 ± 2.5° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1.0% (50 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.7% (ee)
D-Enantiomer	≤ 0.3%
Purity by HPLC	≥ 98%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only