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Product Specifications

Catalogue Number	04988
Product	<i>N^α-Fmoc-N^ε-biotinyl-L-lysine</i> Fmoc-L-Lys(biotinyl)-OH
CAS Number	146987-10-2
Molecular Formula	C ₃₁ H ₃₈ N ₄ O ₆ S
Molecular Weight	594.7

Appearance	White to off-white powder
Solubility	Clear solution (0.1 g in 2 mL TFA)
Melting Point	181 - 184 °C
Water Content (Karl Fisher)	≤ 1.5%
Optical Rotation	[α] _D ²⁰ = 18 ± 1 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2% (50 °C, 2h)
Residual Solvents	DMF : ≤ 4%
¹H NMR	Conforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 0-8°C

For Laboratory Use Only