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Certificate of Analysis

Catalogue Number	02433
Product	<i>N</i>^α-Fmoc-<i>N</i>^ε-Z-L-lysine
Lot Number	000424-180118-36803 Fmoc-L-Lys(Z)-OH
CAS Number	86060-82-4
Molecular Formula	C ₂₉ H ₃₀ N ₂ O ₆
Molecular Weight	502.6

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml DMF)
Melting Point	112.5 - 113.5 °C
Elemental Analysis (Found)	< 5% (C,H,N)
Water Content (Karl Fisher)	0.24%
Optical Rotation	[α] _D ²⁰ = -11.5° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.08% (50 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.43%
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