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Certificate of Analysis

Catalogue Number	02440
Lot Number	000424-210410-37010
Product	Fmoc-L-norleucine Fmoc-L-Nle-OH
CAS Number	77284-32-3
Molecular Formula	C ₂₁ H ₂₃ NO ₄
Molecular Weight	353.42

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	140.2 - 140.6 °C
Elemental Analysis (Found)	< 5% (C, H, N)
Water Content (Karl Fisher)	0.11%
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	0.24% (60 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.97% (ee)
D-Enantiomer	0.0265%
Purity by HPLC	99.08%
Purity by TLC	> 98%
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