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Certificate of Analysis

Catalogue Number	02427
Product	Fmoc-D-leucine
Lot Number	000424-160420-35502 Fmoc-D-Leu-OH (R)-Fmoc-2-amino-4-methylpentanoic acid
CAS Number	114360-54-2
Molecular Formula	C ₂₁ H ₂₃ NO ₄
Molecular Weight	353.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	153.4-154 °C
Elemental Analysis (Found)	< 5% (C,H, N)
Water Content (Karl Fisher)	0.124%
Kaiser Test	< 0.05%
Optical Rotation	[α] _D ²⁰ = +24.6 (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.23% (80 °C, 2h)
¹H NMR	Conforms to structure
L-Enantiomer	0.0145%
Purity by HPLC	99.66%
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