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Certificate of Analysis

Catalogue Number	02651
Lot Number	000424-201214-35006
Product	Fmoc-N-methyl-D-alanine Fmoc-N-Me-D-Ala-OH
CAS Number	138774-92-2
Molecular Formula	C ₁₉ H ₁₉ NO ₄
Molecular Weight	325.3

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	157.3 - 157.8 °C
Water Content (Karl Fisher)	0.08%
Optical Rotation	[α] _D ²⁰ = 20.1 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.10% (50 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.79% (ee)
L-Enantiomer	0.2024%
Purity by HPLC	98.09%
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