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Certificate of Analysis

Catalogue Number	02383
Product	<i>N</i>^α-Fmoc-D-asparagine
Lot Number	000424-200313-35103
	Fmoc-D-Asn-OH
CAS Number	108321-39-7
Molecular Formula	C ₁₉ H ₁₈ N ₂ O ₅
Molecular Weight	354.4

Appearance	White powder
Solubility	Clear solution (0.3g in 4 mL DMF)
Melting Point	173.3 - 173.6 °C
Water Content (Karl Fisher)	0.1%
Optical Rotation	[α] _D ²⁰ = 12.2 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.14% (70 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.95% (ee)
L-Enantiomer	0.0445%
Purity by HPLC	99.23%
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