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Certificate of Analysis

Catalogue Number	04716
Product	Fmoc-3-(2'-pyridyl)-D-alanine
Lot Number	000424-190325-20110
	Fmoc-D-Ala(2'-pyridyl)-OH
CAS Number	185379-39-9
Molecular Formula	C ₂₃ H ₂₀ N ₂ O ₄
Molecular Weight	388.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	148.2 - 150.0 °C
Water Content (Karl Fisher)	0.115%
Optical Rotation	[α] _D ²⁰ = 47.3 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.2% (60 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.88% (ee)
L-Enantiomer	0.1114%
Purity by HPLC	99.8%
Storage	Store at 0 - 8 °C
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