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Certificate of Analysis

Catalogue Number	02882
Lot Number	000424-150803-36404
Product	<i>N</i>^α-Fmoc-<i>N</i>^ω-(2,2,4,6,7-pentamethyl- Fmoc-D-Arg(Pbf)-OH
CAS Number	187618-60-6
Molecular Formula	C ₃₄ H ₄₀ N ₄ O ₇ S
Molecular Weight	648.77

Appearance	White powder
Solubility	Clear solution (0.3g in 2mL DMF)
Water Content (Karl Fisher)	1.761%
Kaiser Test	< 0.05%
Optical Rotation	[α] _D ²⁵ = +5.2° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.28% (60 °C, 2h)
¹H NMR	Conforms to structure
L-Enantiomer	0.3453%
Purity by HPLC	98.22%
Purity by TLC	> 98%
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