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Certificate of Analysis

Catalogue Number	15139
Lot Number	000424-141013-36400
Product	<i>N</i>^α-Fmoc-<i>N</i>^ω-nitro-D-arginine
	Fmoc-D-Arg(NO ₂)-OH
CAS Number	160347-94-4
Molecular Formula	C ₂₁ H ₂₃ N ₅ O ₆
Molecular Weight	441.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	155.9 °C
Water Content (Karl Fisher)	0.208%
Optical Rotation	[α] _D ²⁰ = +8.1° (C=2 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.96% (70 °C, 2 hour)
¹H NMR	Conforms to structure
Purity by HPLC	99.27%
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