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Certificate of Analysis

Catalogue Number	11180
Lot Number	000424-121230
Product	<i>N</i>^α-Fmoc-D-arginine hydrochloride

Fmoc-D-Arg-OH•HCl

CAS Number	130752-32-8
Molecular Formula	C ₂₁ H ₂₄ N ₄ O ₄ •HCl
Molecular Weight	432.91

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL AcOH)
Melting Point	149.4-150.0 °C
Water Content (Karl Fisher)	1.194%
Optical Rotation	[α] _D ²⁰ = -15.6° (C = 0.5 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.42%
¹H NMR	Conforms to structure
Purity by HPLC	99.36%
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