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Certificate of Analysis

Catalogue Number	48171
Lot Number	000424-231211-22831
Product	Na-Fmoc-Nim-methyl-D-histidine
CAS Number	1197025-85-6
Molecular Formula	C ₂₂ H ₂₁ N ₃ O ₄
Molecular Weight	391.42

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	139.3 - 164.4 °C
Water Content (Karl Fisher)	2.89%
Optical Rotation	[α] _D ²⁰ = 9.1 ° (C=1 in 2N HCl)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.98% (60 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	97.22%
Storage	Store at ≤ -10 °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