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Certificate of Analysis

Catalogue Number	02462
Lot Number	130110-35904
Product	<i>N</i>^α-Fmoc-D-tryptophan Fmoc-D-Trp-OH
CAS Number	86123-11-7
Molecular Formula	C ₂₆ H ₂₂ N ₂ O ₄
Molecular Weight	426.5

Appearance	Off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	185.2-189.2 °C
Water Content (Karl Fisher)	0.124%
Kaiser Test	< 0.05%
Optical Rotation	[α] _D ²⁰ = +28.7° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.14% (60 °C, 2h)
¹H NMR	Conforms to structure
L-Enantiomer	0.0954%
Purity by HPLC	99.87%
Purity by TLC	98%
Storage	Store at 0-8 °C

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Lot Number: 130110-35904

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