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Certificate of Analysis

Catalogue Number	01954
Lot Number	000424-131205-35903
Product	<i>N</i>^α-Fmoc-<i>N</i>ⁱⁿ-Boc-L-tryptophan
	Fmoc-L-Trp(Boc)-OH
CAS Number	143824-78-6
Molecular Formula	C ₃₁ H ₃₀ N ₂ O ₆
Molecular Weight	526.6

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Water Content (Karl Fisher)	1.708%
Optical Rotation	[α] _D ²⁰ = -21.4° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	2.23% (40 °C, 2h)
¹H NMR	Conforms to structure
D-Enantiomer	0.2293%
Purity by HPLC	99.05%
Purity by TLC	> 98%
Storage	Store at 0-8 °C

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Catalog Number: 01954

Lot Number: 000424-131205-35903

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