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Certificate of Analysis

Catalogue Number	06920
Product	<i>N</i>^α-Boc-D-tryptophan <i>N</i>-hydroxysuccinimide ester
Lot Number	000424-151212-31714 Boc-D-Trp-OSu
CAS Number	22220-11-7
Molecular Formula	C ₂₀ H ₂₃ N ₃ O ₆
Molecular Weight	401.42

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	145.6-147.2 °C
Water Content (Karl Fisher)	0.086%
Optical Rotation	[α] _D ²⁰ = +54.6° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.6% (70 °C, 2h)
¹H NMR	Conforms to structure
Purity by TLC	99.53%
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