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Certificate of Analysis

Catalogue Number	03995
Product	<i>N</i>^{α,ε}-Bis-Boc-L-lysine 4-nitrophenyl ester
Lot Number	000424-130701-31119 Boc-L-Lys(Boc)-ONp
CAS Number	2592-19-0
Molecular Formula	C ₂₂ H ₃₃ N ₃ O ₈
Molecular Weight	467.52

Appearance	Light yellowish crystalline powder
Solubility	Clear Solution (0.3g in 2mL DMF)
Melting Point	124.0-125.6 °C
Water Content (Karl Fisher)	0.23%
Optical Rotation	[α] _D ²⁰ = -30.0° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.01% (50 °C, 2 hour)
¹H NMR	Conforms to structure
Purity by HPLC	99.18%
Purity by TLC	> 98%
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