

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	29735
Lot Number	000424-130925-32011
Product	Na-Boc-Nd-Z-D-ornithine N- Boc-D-Orn(Z)-OSu
Molecular Formula	C ₂₂ H ₂₉ N ₃ O ₈
Molecular Weight	463.49

Appearance	White powder
Solubility	Clear solution (0.1 gram in 2 ml DMF)
Water Content (Karl Fisher)	0.114%
Optical Rotation	$[\alpha]_D^{20} = + 20.7^\circ$ (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to structure
Loss on Drying	0.02% (55 °C for 2 hours)
¹H NMR	Conforms to structure
Purity by HPLC	95.24%
Storage	Store at 0-8 °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