

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	04009
Lot Number	130725-32010
Product	<i>N</i>^α-Boc-<i>N</i>^δ-Z-L-ornithine <i>N</i>-hydroxysuccinimide ester Boc-L-Orn(Z)-OSu
CAS Number	57225-25-9
Molecular Formula	C ₂₂ H ₂₉ N ₃ O ₈
Molecular Weight	463.49

Appearance	White to off-white powder
Solubility	Clear solution (0.1g in 2mL DMF)
Melting Point	134-141 °C
Optical Rotation	[α] _D ²⁰ = -23.6° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to structure
Loss on Drying	0.58% (60°, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	96.11%
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