Chem-Impex International, Inc.

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Wood Bale, IL 00171

Certificate of Analysis

Catalogue Number 06440

Lot Number 000424-170628-12504

Product N^{α} -Z- N^{δ} -Boc-D-ornithine

Z-D-Orn(Boc)-OH

CAS Number 98264-52-9 Molecular Formula C₁₈H₂₆N₂O₆

Molecular Weight 366.4

Appearance White powder

Solubility Clear solution (0.3 g in 2mL DMF)

Melting Point 100.8-102.3 °C

Water Content (Karl

Fisher)

0.12%

Optical Rotation [a]_D²⁰ = + 3.1 ° (C=1 in DMF)

Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard

Loss on Drying 0.06% (40°C,2h)

¹H NMR Conforms to structure

L-Enantiomer 0.0232%
Purity by HPLC 99.06%
Chiral Purity 99.98% (ee)
Storage Store at 0-8 °C

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Catalog Number: 06440 Lot Number: 000424-170628-12504

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