

# *Chem-Impex International, Inc.*

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## *Product Specifications*

**Catalogue Number** 02223  
**Product** ***N*<sup>δ</sup>-Z-L-ornithine**

L-Orn(Z)-OH

**CAS Number** 3304-51-6

**Molecular Formula** C<sub>13</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>

**Molecular Weight** 266.3

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**Appearance** White powder

**Solubility** Clear solution (0.1 gram in 2 ml 50% Acetone:1N HCl=1:1)

**Melting Point** 250 ± 2°C

**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = +21 ± 2° (C=2.9 50% Acetone:1N HCl=1:1)

**Infrared Spectrum** Conforms to structure

**Analysis by Mass Spectra** Conforms to structure

**Loss on Drying** ≤ 1% (100 °C for 2 hours)

**<sup>1</sup>H NMR** Conforms to structure

**Purity by HPLC** ≥ 98%

**Storage** Store at 0-8°C

**For Laboratory Use Only**