

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	06148
<b>Product</b>	<b><i>N</i><sup>δ</sup>-<i>Z</i>-L-ornithine benzyl ester hydrochloride</b>
	L-Orn(Z)-OBzl•HCl
<b>CAS Number</b>	63594-37-6
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub> •HCl
<b>Molecular Weight</b>	392.88
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2mL DMF)
<b>Melting Point</b>	156-162 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = + 11 ± 1° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0-8°C

**For Laboratory Use Only**