

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	05987
<b>Product</b>	<b><i>N<sup>ε</sup>-Z-D-Lysine benzyl ester hydrochloride</i></b> D-Lys(Z)-OBzl•HCl
<b>CAS Number</b>	156917-23-6
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>26</sub> N <sub>2</sub> O <sub>4</sub> •HCl
<b>Molecular Weight</b>	406.9

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution 0.3 g in 2 mL DMF
<b>Melting Point</b>	137 - 143 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -2 ± 2 ° (C=2 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1% (60 °C at 2 h)
<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**