

# *Chem-Impex International, Inc.*

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**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

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## *Product Specifications*

<b>Catalogue Number</b>	06497
<b>Product</b>	<b><i>N<sup>α</sup>-Z-L-histidine amide</i></b>  Z-L-His-NH <sub>2</sub>
<b>CAS Number</b>	16706-41-5
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>16</sub> N <sub>4</sub> O <sub>3</sub>
<b>Molecular Weight</b>	288.31
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/mL in MeOH + 1 mL 80% AcOH)
<b>Melting Point</b>	194-198 °C
<b>TLC System</b>	n-Butanol/Acetic acid/H <sub>2</sub> O (4:2:2) Chloroform/MeOH/Acetic Acid 32% (5:3:1) Chloroform/MeOH/Acetic Acid/H <sub>2</sub> O (70/42/0.5/10) Ethylacetate/Pyridine/Acetic Acid/H <sub>2</sub> O (6:5:1:3) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-toluidine
<b>Assay</b>	≥ 99% (Elemental analysis based on Nitrogen content)
<b>Purity by TLC</b>	≥ 99%
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**