

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03080
<b>Product</b>	<b>L-Histidine methyl ester dihydrochloride</b> L-His-OMe•2HCl
<b>CAS Number</b>	7389-87-9
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>11</sub> N <sub>3</sub> O <sub>2</sub> •2HCl
<b>Molecular Weight</b>	242.1

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL water)
<b>Melting Point</b>	~ 200 °C
<b>Elemental Analysis (Theory)</b>	≤ 5% (C, H, N)
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 10 ± 2 ° (C=2 in water)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1% (80 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 99%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**