

# Chem-Impex International, Inc.

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

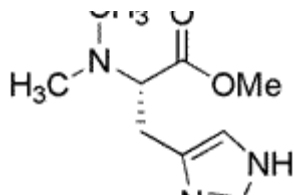
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---



## Product Specifications

<b>Catalogue Number</b>	09543
<b>Product</b>	<b><i>N,N</i>-Dimethyl-histidine methyl ester</b>
	<i>N,N</i> -Dimethyl-L-His-OMe
<b>CAS Number</b>	170227-64-2
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight</b>	197.24

---

<b>Appearance</b>	Slightly yellow viscous oil
<b>Solubility</b>	Clear, colorless solution (50mg/ml in methanol)
<b>Water Content (Karl Fisher)</b>	≤ 3.0%
<b>Acid value</b>	≤ 21% (Acetic acid content)
<b>TLC System</b>	2-butanol/ammonia 3% 100/44 Chloroform/methanol/acetic acid/water 70/42/0.5/10 Ethylacetate/pyridine/acetic acid/water 60/60/12/36 Plate: Silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine, Pauly
<b>Analysis by Mass Spectra</b>	M= 197.24 ± 1 u
<b>Assay</b>	≥ 76% (Nth 21.30% by Elemental analysis)
<b>Purity by TLC</b>	≥ 95%
<b>Storage</b>	Store at 0-8°C

**For Laboratory Use Only**