

# Chem-Impex International, Inc.

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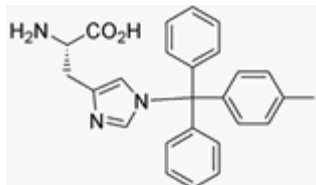
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	06074
<b>Product</b>	<b><i>N</i><sup>im</sup>-4-Methyltrityl-L-histidine</b>
	L-His(Mtt)-OH
<b>CAS Number</b>	133367-32-5
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight</b>	411.51

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear and colorless solution (50 mg/ml in methanol:chloroform)
<b>Melting Point</b>	203-216 °C
<b>TLC System</b>	n-Butanol/Acetic acid/H <sub>2</sub> O (4:2:2) Chloroform/Methanol/Acetic acid 32% (15:4:1) Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = +28 ± 2° (C=1% in acetic acid)
<b>Analysis by Mass Spectra</b>	[M+H] <sup>+</sup> : m/z = 412 ± 1
<b>Assay</b>	≥ 91% (peptide)
<b>Purity by TLC</b>	≥ 99%
<b>Storage</b>	Store at 0-8°C

**For Laboratory Use Only**