

# *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>	05306
<b>Product</b>	<b><i>N</i><sup>α</sup>-Fmoc-<i>N</i><sup>im</sup>-methoxytrityl-L-histidine</b> Fmoc-L-His(Mmt)-OH
<b>CAS Number</b>	133367-33-6
<b>Molecular Formula</b>	C <sub>41</sub> H <sub>35</sub> N <sub>3</sub> O <sub>5</sub>
<b>Molecular Weight</b>	649.7
<hr/>	
<b>Appearance</b>	White to off-white crystals
<b>Solubility</b>	Clearly soluble (0.5 mmole in 1 ml DMF)
<b>Melting Point</b>	142-152 °C
<b>Water Content (Karl Fisher)</b>	< 1.0%
<b>Kaiser Test</b>	Negative to slightly positive
<b>TLC System</b>	Chloroform/Methanol/Acetic acid (90:8:2)
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 25 ± 3° (C=1, in THF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Free Amino Acids</b>	report the value
<b>Assay</b>	> 95%
<b>Purity by HPLC</b>	HPLC(265 nm) = ≥ 99%, HPLC(220 nm) = ≥ 99%
<b>Purity by TLC</b>	> 98%
<b>Chiral Purity</b>	report the value
<b>Storage</b>	Store at 0-8°C

# *Product Specifications*

Catalog Number: 05306

---

**For Laboratory Use Only**