

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	02874
<b>Product</b>	<b><i>N</i><sup>α</sup>-Fmoc-<i>N</i><sup>im</sup>-trityl-D-histidine</b> Fmoc-D-His(Trt)-OH
<b>CAS Number</b>	135610-90-1
<b>Molecular Formula</b>	C <sub>40</sub> H <sub>33</sub> N <sub>3</sub> O <sub>4</sub>
<b>Molecular Weight</b>	619.7

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	130 - 180 °C
<b>Water Content (Karl Fisher)</b>	≤ 2%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -80 ± 8 ° (C=1 in CHCl <sub>3</sub> )
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 2%
<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**