

# Chem-Impex International, Inc.

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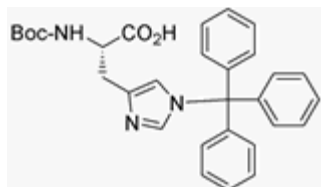
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	04038
<b>Product</b>	<b><i>N</i><sup>α</sup>-Boc-<i>N</i><sup>im</sup>-trityl-L-histidine</b>
	Boc-L-His(Trt)-OH
<b>CAS Number</b>	32926-43-5
<b>Molecular Formula</b>	C <sub>30</sub> H <sub>31</sub> N <sub>3</sub> O <sub>4</sub>
<b>Molecular Weight</b>	497.6

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<b>Appearance</b>	White to off white powder
<b>Solubility</b>	Clear solution (0.3 g in 2mL DMF)
<b>Water Content (Karl Fisher)</b>	≤ 5.0%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +12.0 ± 2° (C=1 in MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1.0% (60 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>D-Enantiomer</b>	≤ 0.3%
<b>Purity by HPLC</b>	≥ 98%
<b>Purity by TLC</b>	≥ 98%
<b>Chiral Purity</b>	≥ 99.7% (ee)
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**