

# 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

---

## Certificate of Analysis

<b>Catalogue Number</b>	03530
<b>Lot Number</b>	000424-210907-36702
<b>Product</b>	<b><i>N</i><sup>α,im</sup>-Bis-Fmoc-L-histidine</b> Fmoc-L-His(Fmoc)-OH
<b>CAS Number</b>	98929-98-7
<b>Molecular Formula</b>	C <sub>36</sub> H <sub>29</sub> N <sub>3</sub> O <sub>6</sub>
<b>Molecular Weight</b>	599.6

---

<b>Appearance</b>	White to off-white powder
<b>Melting Point</b>	142.8 - 148.6 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -4.2 ° (C=4 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.44%
<b>Storage</b>	Store at 0 - 8 °C
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager