

# *Chem-Impex International, Inc.*

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**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

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## *Certificate of Analysis*

**Catalogue Number** 05136  
**Lot Number** 000424-160419-22362  
**Product** **Fmo-L-homoproline**

Fmoc-L-HomoPro-OH

**CAS Number** 86069-86-5  
**Molecular Formula** C<sub>21</sub>H<sub>21</sub>NO<sub>4</sub>

**Molecular Weight** 351.4

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**Appearance** White powder  
**Solubility** Clear solution (0.3 g in 2 ml DMF)  
**Melting Point** 157.5 - 157.9 ° C  
**Water Content (Karl Fisher)** 0.94%  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = - 21.6° (C=1 in DMF)  
**Infrared Spectrum** Conforms to structure  
**Analysis by Mass Spectra** Conforms to standard  
**Loss on Drying** 0.01% (90 °C, 2h)  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** 99.63%  
**Storage** Store at 0-8 °C

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**Remarks**

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**