

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

Catalogue Number 04108
Lot Number 000424-151119-23745
Product **Fmoc-3-cyano-L-phenylalanine**

Fmoc-L-Phe(3-CN)-OH

Fmoc-*m*-cyano-L-Phe-OH

CAS Number 205526-36-9

Molecular Formula C₂₅H₂ON₂O₄

Molecular Weight 412.4

Appearance White powder

Solubility Clear solution (0.3 g in 2 ml DMF)

Melting Point 115.1 - 123.5 °C

Water Content (Karl Fisher) 0.725%

Optical Rotation [α]_D²⁰ = - 41.4 ° (C=1 in DMF)

Infrared Spectrum Conforms to structure

Analysis by Mass Spectra Conforms to standard

Loss on Drying 1.96% (50°C, 2h)

¹H NMR Conforms to structure

Purity by HPLC 99.17%

Storage Store at 0-8 °C

Certificate of Analysis

Catalog Number: 04108

Lot Number: 000424-151119-23745

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