

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	02688
Lot Number	000424-201010-20115
Product	Fmoc-3-(3'-pyridyl)-L-alanine Fmoc-L-Ala(3'-pyridyl)-OH
CAS Number	175453-07-3
Molecular Formula	C ₂₃ H ₂₀ N ₂ O ₄
Molecular Weight	388.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	160.3 - 163.9 °C
Elemental Analysis (Found)	< 5% (C, H, N)
Water Content (Karl Fisher)	0.05%
Optical Rotation	[α] _D ²⁵ = -43.6 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.37% (80 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.97% (ee)
D-Enantiomer	0.0239%
Purity by HPLC	99.74%
Purity by TLC	> 98%
Storage	Store at 0 - 8 °C

Certificate of Analysis

Catalog Number: 02688

Lot Number: 000424-201010-20115

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