

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

Catalog Number	01956
Product Name	Fmoc-His(Bzl)-OH Fmoc-N ^{im} -benzyl-L-histidine
Lot Number	1001411
CAS Registry Number	84030-19-3
Molecular Formula	C ₂₈ H ₂₅ N ₃ O ₄
Molecular Weight	467.50
Appearance	White powder
Solubility	Clear, colorless solution (50 mg/ml in MeOH:CHCl ₃ /1:1) (heated)
Melting Point	172.0 °C
Specific Optical Rotation	$\alpha_D^{24} = +111.9^\circ$ (1% CHCl ₃)
CHN-Analysis	
Elemental Analysis (Theory)	C 71.9% H 5.4% N 9.0%
Elemental Analysis (Found)	C 72.0% H 5.3% N 9.0%
Identification (TLC)	Conforms with authentic material
Assay by TLC	> 99%
Chloroform/methanol/acetic acid 77.5/15/7.5	Detected by: UV, Chlorine-Tolidine, Ninhydrin, ammoniummolybdate
Ethylacetate/pyridine/acetic acid/H₂O 60/20/6/11	
Chloroform/methanol/acetic acid/H₂O 70/42/0.5/10	
Plate: Silicagel 60 F₂₅₄	
Purity (HPLC)	> 99.5% (TFA)
Assay (Titration)	100.5%
Storage	Store at RT.
Remarks	See Material Safety Data Sheets for additional information. For Laboratory use only

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

Quality Control Manager