

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	11187
Product	<i>N</i>^α-Fmoc-<i>N</i>^ε-4-methoxytrityl-L-lysine
Lot Number	000201-0516-3853 Fmoc-L-Lys(Mmt)-OH Fmoc-Lys(4-methoxytrityl)-OH
CAS Number	159857-60-0
Molecular Formula	C ₄₁ H ₄₀ N ₂ O ₅
Molecular Weight	640.8

Appearance	Pale brown powder
Solubility	Clearly soluble (0.5 mmol in 1 mL DMF)
Melting Point	123-126 °C
Water Content (Karl Fisher)	0.16%
Kaiser Test	Positive
Optical Rotation	$[\alpha]_D^{20} = -9.5^\circ$ (c=1, in DMF)
Infrared Spectrum	Conforms to structure
Residual Solvents	Ethyl acetate, hexane
Related Substances	< 0.2% (Free amino acid by TLC)
Assay by titration	99.0%
D-Enantiomer	< 0.2% by HPLC
Purity by HPLC	99.61% (265 nm), 99.37% (220 nm)
Purity by TLC	> 99%
Storage	Store at 0-8 °C

Certificate of Analysis

Catalog Number: 11187

Lot Number: 000201-0516-3853

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