

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	03731
Product	<i>N</i> ^α -Fmoc- <i>N</i> ^δ -methyltrityl-D-Ornithine
Lot Number	000201-2193-1 Fmoc-D-Orn(Mtt)-OH
CAS Number	198545-20-9
Molecular Formula	C ₄₀ H ₃₈ N ₂ O ₄
Molecular Weight	610.8

Appearance	White powder
Solubility	Clearly soluble (0.5 mmole in 1 ml DMF)
Melting Point	138 - 141 °C
Water Content (Karl Fisher)	0.2%
Kaiser Test	Slightly positive
Optical Rotation	[α] _D ²⁰ = -11 ° (C=1 in THF)
Infrared Spectrum	Conforms to structure
Residual Solvents	EtOAc : 0.9% Hexanes : 0.5%
Free Amino Acids	< 0.1%
Assay by titration	101%
Chiral HPLC	> 99.9% (ee)
L-Enantiomer	< 0.1%
Purity by HPLC	99.7% (220 nm) 99.6% (265 nm)
Purity by TLC	> 99%
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