

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	05687
Lot Number	506081
Product	<i>N</i>^α-Fmoc-<i>N</i>^ω-(mesitylene-2-sulfonyl)-D-arginine Fmoc-D-Arg(Mts)-OH
CAS Number	268204-88-2
Molecular Formula	C ₃₀ H ₃₄ N ₄ O ₆ S
Molecular Weight	578.7

Appearance	White product
Solubility	Clear, colorless solution (50mg/mL in Dioxane)
Water Content (Karl Fisher)	0.3%
TLC System	Ethyl acetate/Pyridine/Acetic acid/H ₂ O (60:20:6:11) Chloroform/Methanol/Acetic acid 32% (15:4:1) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = +5.3° (C=1 in DMF) [α] ₃₆₅ ²⁴ = +22.2° (C=1 in DMF)
Residual Solvents	EtOAc 2.1% / Dioxane 1.9% / IPE 0.5%
Purity by HPLC	> 99%
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