

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	05742
<b>Lot Number</b>	000127-1013663
<b>Product</b>	<b><i>N</i><sup>α</sup>-Fmoc-<i>N</i><sup>α</sup>-methyl-<i>N</i><sup>ω</sup>-(4-methoxy-2,3,6-trimethylbenzenesulfonyl)-L-arginine</b> Fmoc-N-Me-L-Arg(Mtr)-OH
<b>CAS Number</b>	214750-72-8
<b>Molecular Formula</b>	C <sub>32</sub> H <sub>38</sub> N <sub>4</sub> O <sub>7</sub> S
<b>Molecular Weight</b>	622.9
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/ml in dioxane)
<b>Water Content (Karl Fisher)</b>	0.3%
<b>TLC System</b>	Chloroform/Methanol/Acetic acid/Water (85:13:0.5:1.5) Chloroform/Methanol/Acetic Acid/H <sub>2</sub> O (45:13:1:2) Chloroform/MeOH/Acetic Acid 32% (5:3:1) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Related Substances</b>	< 0.1% Fmoc-Arg(Mtr)-OH
<b>Assay by titration</b>	88.7% (TBAH)
<b>D-Enantiomer</b>	< 0.1%
<b>Purity by HPLC</b>	99.8% (TFA)
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at ≤ -15 °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**