

# 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

<b>Catalogue Number</b>	02381
<b>Lot Number</b>	000630-15971
<b>Product</b>	<b><i>N</i><sup>α</sup>-Fmoc-<i>N</i><sup>ω</sup>-(4-toluenesulfonyl)-L-arginine</b> Fmoc-L-Arg(Tos)-OH
<b>CAS Number</b>	83792-47-6
<b>Molecular Formula</b>	C <sub>28</sub> H <sub>30</sub> N <sub>4</sub> O <sub>6</sub> S
<b>Molecular Weight</b>	550.6

---

<b>Appearance</b>	Off-white powder
<b>Solubility</b>	Clear solution (1 mmole in 2 ml DMF)
<b>Water Content (Karl Fisher)</b>	0.1%
<b>Optical Rotation</b>	- 6.2 ° (C=1, in DMF)
<b>Analysis by Mass Spectra</b>	M = 551.1
<b>Assay by titration</b>	85.8% (Acidimetric)
<b>D-Enantiomer</b>	0.1%
<b>Purity by HPLC</b>	97.9%
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	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