

# Chem-Impex International, Inc.

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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

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## Certificate of Analysis

<b>Catalogue Number</b>	05471
<b>Lot Number</b>	000424-150109-30215
<b>Product</b>	<b><i>N</i><sup>α</sup>-Boc-<i>N</i><sup>ω</sup>-(4-methoxy-2,3,6-trimethylbenzenesulfonyl)-D-arginine</b> Boc-D-Arg(Mtr)-OH
<b>CAS Number</b>	200122-49-2
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>34</sub> N <sub>4</sub> O <sub>7</sub> S
<b>Molecular Weight</b>	486.68

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	94.4-94.7 °C
<b>Water Content (Karl Fisher)</b>	0.487%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -2.2° (C=1 in MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	1.28% (40 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.84%
<b>Storage</b>	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**