

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	11176
<b>Product</b>	<b><i>N<sup>α</sup>-Fmoc-N<sup>ω,ω</sup>-dimethyl-L-arginine</i></b> Fmoc-L-Arg(Me) <sub>2</sub> -OH hydrochloride (asymmetrical)
<b>CAS Number</b>	268564-10-9 (net)
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>28</sub> N <sub>4</sub> O <sub>4</sub> •HCl
<b>Molecular Weight</b>	461

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<b>Appearance</b>	White powder or crystals
<b>Solubility</b>	Clear, colorless solution (50mg/mL in Water)
<b>Water Content (Karl Fisher)</b>	≤ 2.5%
<b>TLC System</b>	Chloroform/Methanol/Acetic acid 32% (5:3:1) Ethylacetate/Pyridine/Acetic acid/H <sub>2</sub> O (60:20:6:11) Plate: Silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, Chlorine-Tolidine
<b>Titration</b>	Chloride Content : ≤ 8%
<b>Assay</b>	≥ 86% (Elemental analysis based on Nitrogen content)
<b>Purity by HPLC</b>	≥ 98%
<b>Purity by TLC</b>	≥ 99%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**