

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	05856
<b>Product</b>	<b>H-Arg(Pmc)-OtBu (free base)</b>
<b>CAS Number</b>	169543-81-1
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>40</sub> N <sub>4</sub> O <sub>5</sub> S
<b>Molecular Weight</b>	496.68

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<b>Appearance</b>	White powder
<b>Appearance of Solution</b>	Clear light yellowish solution (50 mg/mL in Methanol)
<b>Melting Point</b>	119-123 °C
<b>Elemental Analysis (Theory)</b>	C = 58.0%; H = 8.1%; N = 11.3%
<b>Elemental Analysis (Found)</b>	C = 57.8 ± 0.5%; H = 8.1 ± 0.5%; N = 11.2 ± 0.5%
<b>TLC System</b>	Chloroform/Methanol/Toluene/H <sub>2</sub> O (8:8:8:1) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Ethyl acetate/Pyridine/Acetic acid/H <sub>2</sub> O (60:20:6:11) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, TMB
<b>Assay</b>	≥ 99% (Elemental analysis based on Nitrogen Content)
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at ≤ -4 °C

**For Laboratory Use Only**