

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	05748
<b>Product Name</b>	<b>Fmoc-Orn(pyrazinylcarbonyl)-OH</b> Fmoc-N <sup>δ</sup> -(pyrazinylcarbonyl)-L-ornithine
<b>Lot Number</b>	1021774
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>24</sub> N <sub>4</sub> O <sub>5</sub>
<b>Molecular Weight</b>	460.5
<b>Appearance</b>	White product
<b>Solubility</b>	Clear, colorless solution (50mg/ml in Dioxane)
<b>Melting Point</b>	75°C
<b>Elemental Analysis</b>	Calc. as 0.6 ethylacetate (10.3%)
<b>Found</b>	C = 64.01%, H = 5.72%, N = 10.90%
<b>Theory</b>	C = 64.11%, H = 5.65%, N = 10.91%
<b>Identification by TLC</b>	Complies to authentic material
<b>Assay (TLC)</b>	Purity by TLC.....>99%
<b>Chloroform/Methanol/Acetic acid/H<sub>2</sub>O</b> 85/13/0.5/1.5 (v/v/v/v)	Plate Silicagel 60 F <sub>254</sub>
<b>Chloroform/Methanol/benzene/H<sub>2</sub>O</b> 8/8/8/1 (v/v/v/v)	
<b>Chloroform/Methanol /Acetic acid</b> 85/10/5 (v/v/v)	Detected by: UV, Ninhydrin, Chlorine-tolidine
<b>Purity (HPLC)</b>	99.7% (TFA 260nm)
<b>Residual organic solvents (GC)</b>	10.1% (ethylacetate)
<b>Storage</b>	Store at -0°C.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Sashi Kumar**  
Quality Control Manager

