

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	04999
<b>Lot Number</b>	000424-190806-23534
<b>Product</b>	<b>Fmoc-L-1,2,3,4-tetrahydronorharman-3-</b> Fmoc-L-Tpi-OH
<b>CAS Number</b>	204322-23-6
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>22</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	438.49

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.1 g in 2 mL DMF)
<b>Water Content (Karl Fisher)</b>	0.427%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 55.7 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.46%
<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