

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	02371
<b>Lot Number</b>	000424-140827-35011
<b>Product</b>	<b>Fmoc-L-alanine N-hydroxysuccinimide ester</b>

Fmoc-L-Ala-OSu

<b>CAS Number</b>	73724-40-0
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>20</sub> N <sub>2</sub> O <sub>6</sub>

<b>Molecular Weight</b>	408.4
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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3g in 2 mL DMF)
<b>Melting Point</b>	160.9-161.8 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -33.2° (C=1 in THF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.900% (70 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.51%
<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