

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	05677
<b>Lot Number</b>	000424-230727-38504
<b>Product</b>	<b>Fmoc-L-aspartic acid <math>\beta</math>-benzyl ester <math>\alpha</math>-</b> Fmoc-L-Asp(OBzl)-OPfp
<b>CAS Number</b>	86061-03-2
<b>Molecular Formula</b>	C <sub>32</sub> H <sub>22</sub> NO <sub>6</sub> F <sub>5</sub>
<b>Molecular Weight</b>	611.53

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	138.8 - 140.9 °C
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -24.4 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.86% (70 ° at 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.70%
<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