

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	03920
<b>Lot Number</b>	002494-2016-10-24
<b>Product</b>	<b>Fmoc-L-glutamic acid <math>\gamma</math>-N-hydroxysuccinimide ester <math>\alpha</math>-tert-butyl ester</b> Fmoc-L-Glu(OSu)-OtBu
<b>CAS Number</b>	200616-38-2
<b>Molecular Formula</b>	C <sub>28</sub> H <sub>30</sub> N <sub>2</sub> O <sub>8</sub>
<b>Molecular Weight</b>	522.55

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<b>Appearance</b>	White powder
<b>Optical Rotation</b>	$[\alpha]_D^{20} = -3.6 \pm 1^\circ$ (C=1 in CHCl <sub>3</sub> )
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay</b>	97.94% (HPLC)
<b>Storage</b>	Store at $\leq -4^\circ\text{C}$
<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