

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	48164
<b>Lot Number</b>	000424-200318-36968
<b>Product</b>	<b>Fmoc-Tyr(tBu)-Aib-OH</b> Fmoc-O-(tert-butyl)-L-tyrosinyl- $\alpha$ -aminoisobutyric acid
<b>Molecular Formula</b>	C <sub>32</sub> H <sub>36</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	544.60

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<b>Appearance</b>	White solid
<b>Water Content (Karl Fisher)</b>	0.32%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D20</sub> = -13.3 ° (C=1 in Methanol)
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay by titration</b>	100.44%
<b>Chiral HPLC</b>	99.9% (ee)
<b>D-Enantiomer</b>	0.1%
<b>Purity by HPLC</b>	99.13%
<b>Storage</b>	Store at RT
<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