

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	14860
<b>Lot Number</b>	000424-190425-13511
<b>Product</b>	<b><i>N</i><sup>α</sup>-Fmoc-<i>N</i><sup>α</sup>-Me-<i>N</i><sup>in</sup>-Boc-L-tryptophan</b> Fmoc-N-Me-L-Trp(Boc)-OH
<b>CAS Number</b>	197632-75-0
<b>Molecular Formula</b>	C <sub>32</sub> H <sub>32</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	540.62

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<b>Appearance</b>	White to off-white solid
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -35.8 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Residual Solvents</b>	Not identified
<b>Related Substances</b>	Not identified
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	99.4% (ee)
<b>D-Enantiomer</b>	0.6%
<b>Purity by HPLC</b>	100%
<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