

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	03226
<b>Product</b>	<b>Fmoc-O-tert-butyl-L-threoninol</b>
<b>Lot Number</b>	002461-20210701-8 Fmoc-L-Threoninol(tBu)
<b>CAS Number</b>	189337-28-8
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>29</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	383.5
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<b>Appearance</b>	White crystalline solid
<b>Solubility</b>	Clearly soluble in 0.5 g in 2 mL DMF
<b>Water Content (Karl Fisher)</b>	0.8%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 9.3 ° (C=1 in DMF)
<b>Free Amino Acids</b>	< 0.2%
<b>Related Substances</b>	Max. single impurity : 0.3%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	> 99.9% (ee)
<b>D-Enantiomer</b>	< 0.1%
<b>Purity by HPLC</b>	99.5%
<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