

# Chem-Impex International, Inc.

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## Product Specifications

<b>Catalogue Number</b>	31972
<b>Product</b>	<b>Fmoc-<i>O</i>-<i>tert</i>-butyl-D-<math>\beta</math>-homothreonine</b>
	Fmoc-D- $\beta$ -HomoThr(tBu)-OH
	(3 <i>S</i> ,4 <i>S</i> )-4- <i>tert</i> -Butoxy-3-(Fmoc-amino)pentanoic acid
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>29</sub> NO <sub>5</sub>
<b>Molecular Weight</b>	411.5

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<b>Appearance</b>	White solid
<b>Optical Rotation</b>	[ $\alpha$ ] <sup>20</sup> <sub>D</sub> = -17 to -19 ° (C=1 in DMF)
<b>Analysis by Mass Spectra</b>	Confirms 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>	≥ 99.5% (ee)
<b>L-Enantiomer</b>	≤ 0.5%
<b>Purity by HPLC</b>	≥ 99% (210 nm) ≥ 98% (254 nm)
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**