

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	07110
<b>Product</b>	<b>Fmoc-O-trityl-D-threonine</b>  Fmoc-D-Thr(Trt)-OH
<b>CAS Number</b>	682800-84-6
<b>Molecular Formula</b>	C <sub>38</sub> H <sub>33</sub> NO <sub>5</sub>
<b>Molecular Weight</b>	583.7

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<b>Appearance</b>	Off-white to brown crystals
<b>Solubility</b>	Clearly soluble (0.5 mmole in 1 ml DMF)
<b>Melting Point</b>	70-75 °C
<b>Water Content (Karl Fisher)</b>	≤ 0.5%
<b>Kaiser Test</b>	Negative to slightly positive
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +25.5 ± 2° (C=1 in EtOAc)
<b>Infrared Spectrum</b>	Conforms to reference
<b>Purity by HPLC</b>	≥ 98.5%
<b>Purity by TLC</b>	≥ 98.5%
<b>Storage</b>	Store at ≤ -4 °C

**For Laboratory Use Only**