

# Chem-Impex International, Inc.

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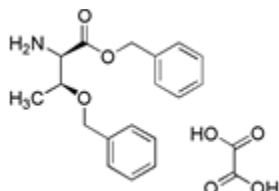
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Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



## Product Specifications

<b>Catalogue Number</b>	06006
<b>Product</b>	<b>O-Benzyl-D-threonine benzyl ester oxalate(1:1)</b>
	D-Thr(Bzl)-OBzl oxalate(1:1)
<b>CAS Number</b>	188660-14-2
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>23</sub> NO <sub>7</sub> ·C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	479.4

<b>Appearance</b>	White product
<b>Solubility</b>	Clear, colorless solution (50 mg/ml in acetic acid 80%)
<b>Melting Point</b>	158-170 °C
<b>Elemental Analysis (Found)</b>	C = 60.84 ± 0.5%; H = 6.03 ± 0.5%; N = 3.55 ± 0.5%; Calculated as 0.3 H <sub>2</sub> O
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>TLC System</b>	Ethyl acetate/Pyridine/Acetic acid/H <sub>2</sub> O (60:10:3:4) Chloroform/Methanol/Benzene/H <sub>2</sub> O (8:8:8:1) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Plate: Silica gel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = +45.5 ± 2° (C=1% in Methanol)
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at 0-8°C

**For Laboratory Use Only**