

# Analytical Data Sheet

Lot number

**1011092**

not for drug use

<b>Catalog Number</b>	<b>E-1680.0025</b>
<b>Product number</b>	<b>4000336.0025</b>
<b>Product</b>	<b>H- Thr(tBu) - OMe · HCl</b>
<b>Molecular formula</b>	<b>C<sub>9</sub>H<sub>19</sub>NO<sub>3</sub> · HCl</b>
<b>Relative molecular mass</b>	<b>225.72</b>

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol)
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	155 °C
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = + 12.4^\circ$ (1 % in dimethylformamide)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	100.5% (Cth 47.89 %, Cfd 48.11 %)
<b>Water content (KF volumetric)</b>	< 0.1%
<b>Chloride content (titration)</b>	100% (Cl:th: 15.71 %)
Latest update: May 25, 2011	