

# Analytical Data Sheet

Lot number

## 1049388

not for drug use

<b>Catalog Number</b>	F-2100.0005
<b>Product number</b>	4009574.0005
<b>Product</b>	H- D- Thr(tBu) - OMe · HCl
<b>Molecular formula</b>	C <sub>9</sub> H <sub>19</sub> NO <sub>3</sub> · HCl
<b>Relative molecular mass</b>	225.72

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 47.9 %</td> <td>C = 47.7 %</td> </tr> <tr> <td>H = 8.9 %</td> <td>H = 9.0 %</td> </tr> <tr> <td>N = 6.2 %</td> <td>N = 6.2 %</td> </tr> </table> <p>calc. x 1 HCl (16.2 %)</p>	Theory	Found	C = 47.9 %	C = 47.7 %	H = 8.9 %	H = 9.0 %	N = 6.2 %	N = 6.2 %
Theory	Found								
C = 47.9 %	C = 47.7 %								
H = 8.9 %	H = 9.0 %								
N = 6.2 %	N = 6.2 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	157 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -12.9^\circ$ (1 % in dimethylformamide)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (elemental analysis)</b>	83.5% (Cth 57.12 %, Cfd 47.72 %)								
<b>Chloride content (titration)</b>	15.7% (AgNO <sub>3</sub> )								
Latest update: August 05, 2013									