

## Analytical Data Sheet

Lot number **1000007007**  
not for drug use

Catalog number **E-1680.0005**  
Product number **4000336.0005**  
Product **H- Thr(tBu) - OMe · HCl**  
Molecular formula **C<sub>9</sub>H<sub>19</sub>NO<sub>3</sub> · HCl**  
Relative molecular mass **225.72**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Melting point	155 °C
Specific optical rotation	$[\alpha]_D^{24} = + 12.4^\circ$ (1 % in dimethylformamide)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Thr-OMe x HCl < 0.2% H-Thr(tBu)-OH
TLC conditions	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, TMB,
Assay (elemental analysis)	98.1%(Cth 47.89 %, Cfd 46.97 %)
Water content (KF volumetric)	< 0.1%
Chloride content (titration)	100%(Cl:th: 15.71 %)

Latest update: October 05, 2018

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