

**Analytical Data Sheet**

**Lot number** **1000048547**  
not for drug use

**Product** Boc-Thr(tBu)-OH  
**Product number** **4009568.0005**  
**Molecular formula** C<sub>13</sub>H<sub>25</sub>NO<sub>5</sub>  
**Relative molecular mass** 275.35

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>	C-Value 56.6% H-Value 9.2% N-Value 5.0%
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	99°C
<b>Specific optical rotation</b>	[α] <sub>D</sub> <sup>24</sup> = +3.9° (2% in dimethylformamide)
<b>Purity (TLC)</b>	>99 %
<b>TLC conditions</b>	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (titration)</b>	99.6% (TBAH)
<b>Water content (KF volumetric)</b>	0.1%

Latest update: March 29, 2021

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