

## Analytical Data Sheet

Lot number **1000010558**  
not for drug use

**Catalog number** B-1245.0100  
**Product number** 4096755.0100  
**Product** Fmoc- Thr(tBu) - OH  
**Molecular formula** C<sub>23</sub>H<sub>27</sub>NO<sub>5</sub>  
**Relative molecular mass** 397.47

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in methanol) clear, colorless solution (0.5 mmol/mL in DMF)
<b>Identification (TLC)</b>	complies with authentic material
<b>Purity (HPLC)</b>	99.9% (TFA)
<b>Related impurities (HPLC)</b>	< 0.1% Fmoc-β-Ala-OH not det. Fmoc-β-Ala-Thr(tBu)-OH < 0.1% Fmoc-Thr-OH < 0.1% Fmoc-Thr(tBu)-Thr(tBu)-OH
<b>Related impurities (TLC)</b>	< 0.05% H-Thr(tBu)-OH
<b>TLC conditions</b>	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Other amino acids (GC)</b>	< 0.2%
<b>Enantiomer content (chiral chromatography)</b>	not det. < 0.007%(LOD) Fmoc-allo-Thr(tBu)-OH det. < 0.02%(LOQ) Fmoc-D-allo-Thr8tBu)-OH not det. < 0.007%(LOD) Fmoc-D-Thr(tBu)-OH
<b>Assay (titration)</b>	99.9% (TBAH)
<b>Water content (KF volumetric)</b>	0.1%
<b>Acetic acid content (IC)</b>	0.009%

Latest update: January 15, 2019

**Analytical Data Sheet**  
Lot number **1000010558**