

Analytical Data Sheet

Lot number **1074633**
not for drug use

Catalog number **B-3955.0001**
Product number **4061388.0001**
Product **Boc- Thr(Gly- Fmoc) - OH**
Molecular formula $C_{26}H_{30}N_2O_8$
Relative molecular mass 498.53

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 498.4u (average mass)
Purity (HPLC)	98.7% (TFA)
Related impurities (HPLC)	not det. Fmoc- β -Ala-OH 0.3% Fmoc-Gly-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% Boc-Thr-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	> 99.7% L-Thr < 0.1% D-Thr < 0.1% L-allo-Thr < 0.1% D-allo-Thr
Assay (titration)	96.0% (TBAH)
Water content (KF volumetric)	0.8%
Acetic acid content (IC)	0.025%

Latest update: December 05, 2017

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