

Analytical Data Sheet

Lot number **1070714**
not for drug use

Catalog number **B-4245.0250**
Product number **4082690.0250**
Product **Fmoc- Thr(GlcNAc(Ac)₃- β- D) - OH**
Molecular formula $C_{33}H_{38}N_2O_{13}$
Relative molecular mass 670.67

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in DMF)
Identification (ESI-MS)	m = 670.7u (average mass)
Purity (HPLC)	99.5% (TFA)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-Thr enantiomer < 0.1% L-allo-Thr enantiomer < 0.1% D-allo-Thr enantiomer
Assay (titration)	97.1% (TBAH)
Water content (KF volumetric)	0.4%

Latest update: March 09, 2017

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