

Analytical Data Sheet

Lot number **1000027534**
not for drug use

Catalog number **B-2570.0250**
Product number **4025798.0250**
Product **Fmoc- Thr(GalNAc(Ac)₃- α- D) - OH**
Molecular formula $C_{33}H_{38}N_2O_{13}$
Relative molecular mass 670.67

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/mL in chloroform)
Identification (ESI-MS)	m = 670.7u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	95.4% (TFA) (sum of both anomers)
Purity (TLC)	≥ 95%
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, TMB
Enantiomer content (chiral chromatography)	> 99.7% L-Thr < 0.1% D-Thr < 0.1% L-allo-Thr < 0.1% D-allo-Thr
Assay (elemental analysis)	91.5% (Cth 59.10%, Cfd 54.07%)
Water content (KF volumetric)	1.1%

Latest update: January 22, 2020

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