

Analytical Data Sheet

Lot number

1046355

not for drug use

Catalog Number	B-4085.0005
Product number	4050936.0005
Product	Fmoc- Gly- Thr(Psi(Me, Me) pro) - OH
Molecular formula	$C_{24}H_{26}N_2O_6$
Relative molecular mass	438.48

Tests	Results
Appearance of solution	clear, slightly yellow solution (50 mg/ml in methanol) clear, slightly yellow solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.2% (TFA)
Related impurities (HPLC)	0.1 % Fmoc-Gly-OH 0.1 % Fmoc-Gly-Thr-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	≥ 99.7% L-Threonin < 0.1% D-Threonin < 0.1% L-allo-Threonin < 0.1% D-allo-Threonin
Assay (titration)	95.8% (TBAH)
Acetic acid content (IC)	0.0023%
Latest update: January 16, 2013	