

Analytical Data Sheet

Lot number **1000027792**
not for drug use

Catalog number **B-3470.0005**
Product number **4029363.0005**
Product **Fmoc- Val- Thr(Psi(Me, Me) pro) - OH**
Molecular formula $C_{27}H_{32}N_2O_6$
Relative molecular mass 480.56

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetonitrile) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.86% (TFA)
Related impurities (HPLC)	0.01% Fmoc-Val-OH 0.08% Fmoc-Val-Thr-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 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 < 0.1% D-Val
Assay (titration)	95.4% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.013%