

Analytical Data Sheet

Lot number **1066040**
not for drug use

Catalog number **B-3075.0001**
Product number **4027547.0001**
Product **Fmoc- D- allo- threoninol**
Molecular formula $C_{19}H_{21}NO_4$
Relative molecular mass 327.38

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in chloroform/methanol 1/1)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.8% (TFA)
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 chloroform/methanol/acetic acid 85/10/5 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	> 99.7% D-allo-Thr 0.1% D-Thr < 0.1% L-Thr < 0.1% L-allo-Thr
Assay (elemental analysis)	98.2% (Cth 69.71%, Cfd 68.46%)
Water content (KF volumetric)	0.8%
Acetic acid content (IC)	0.027%

Latest update: May 26, 2016

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