

## Analytical Data Sheet

Lot number **1069187**  
not for drug use

Catalog number **B-2700.0005**  
Product number **4026268.0005**  
Product **Fmoc- L- 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 methanol)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.4% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-Thr-OH < 0.1% Fmoc-β-Ala-OH
Related impurities (TLC)	< 0.1% H-Thr-OH < 0.1% H-Thr-ol
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol 9/1 chloroform/methanol/acetic acid/H <sub>2</sub> O plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine, TMB, ammoniummolybdate
Enantiomer content (chiral chromatography)	< 0.1% D-Threoninol < 0.1% L-allo-Threoninol < 0.1% D-allo-Threoninol
Water content (KF volumetric)	0.5%
Residual organic solvents (GC)	0.06% IPE 0.16% MTHF 0.52% toluene 0.18% dimethoxyethan  Acetic acid Content ( <sup>1</sup> H-NMR) < 0.01%  EXT16/1193_CHC
General comment	Assay: 98.6% (100%-water content [%] - residual organic solvents [%])

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Latest update: December 22, 2016

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