

## Analytical Data Sheet

Lot number **1000006592**  
not for drug use

Catalog number **B-3090.0005**  
Product number **4027554.0005**  
Product **Fmoc- D- allo- Thr- OH**  
Molecular formula  $C_{19}H_{19}NO_5$   
Relative molecular mass 341.36

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)
Identification (elemental analysis)	Theory Found C = 66.9 % C = 66.6 % H = 5.6 % H = 5.6 % N = 4.1 % N = 4.0 %
Identification (TLC)	conforms with authentic material
Melting point	157 °C
Specific optical rotation	$[\alpha]_D^{24} = +3.4^\circ$ (1 % in MeOH)
Purity (HPLC)	99.7% (TFA)
Purity (TLC)	> 99%
TLC conditions	ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/10/3/4 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.6% (Cth 66.85 %, Cfd 66.56 %)
Water content (KF volumetric)	0.1%

Latest update: July 20, 2020

**Analytical Data Sheet**  
Lot number **1000006592**