

## Analytical Data Sheet

Lot number **1064893**  
not for drug use

Catalog number **B-2405.0001**  
Product number **4025118.0001**  
Product **Fmoc- Homocys(Trt) - OH**  
Molecular formula  $C_{38}H_{33}NO_4S$   
Relative molecular mass 599.75

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, slightly yellow solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	96.9% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc- $\beta$ -Ala-OH
Purity (TLC)	> 95%
TLC conditions	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	1.0% D-enantiomer
Assay (titration)	89.1% (TBAH)
Water content (KF volumetric)	0.3%
Acetic acid content (IC)	0.011%

Latest update: March 23, 2016

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