

Analytical Data Sheet

Lot number **1068261**
not for drug use

Catalog number **B-3030.0005**
Product number **4027211.0005**
Product **(Fmoc- Cys- OtBu)₂**
(Disulfide bond)
Molecular formula **C₄₄H₄₈N₂O₈S₂**
Relative molecular mass **797.01**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.2% (TFA)
Purity (TLC)	> 98%
TLC conditions	toluene/dioxane/acetic acid 95/25/4 ethylacetate/hexane 4/5 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.23% D-enantiomer
Assay (elemental analysis)	99.8% (Cth 66.31%, Cfd 66.42%)
Acetic acid content (IC)	0.001%

Latest update: November 10, 2016

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