

Analytical Data Sheet

Lot number **1052496**
not for drug use

Catalog number **B-1120.0025**
Product number **4030624.0025**
Product **Fmoc- Cys(Trt) - OPfp**
Molecular formula **C₄₃H₃₀F₅NO₄S**
Relative molecular mass **751.77**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in ethylacetate) clear, colorless solution (0.5 mmol/mL in dimethylformamide)
Identification (TLC)	complies with authentic material
Melting point	107 °C
Specific optical rotation	$[\alpha]_D^{24} = + 15.4^\circ$ (1 % in chloroform)
Purity (HPLC)	99.3% (TFA)
Purity (TLC)	decomposition on TLC plate
TLC conditions	ethylacetate/hexane 4/5 chloroform/ethylacetate 9/1 chloroform plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	0.3% D-Enantiomer
Assay (elemental analysis)	99.6% (Cth 68.70%, Cfd 68.45%)