

## Analytical Data Sheet

Lot number **1064197**  
not for drug use

Catalog number **B-2875.0005**  
Product number **4026662.0005**  
Product **Fmoc- D- Cys(StBu) - OH**  
Molecular formula  $C_{22}H_{25}NO_4S_2$   
Relative molecular mass 431.58

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 61.23 %</td><td>C = 61.08 %</td></tr><tr><td>H = 5.84 %</td><td>H = 5.80 %</td></tr><tr><td>N = 3.25 %</td><td>N = 3.21 %</td></tr></tbody></table>	Theory	Found	C = 61.23 %	C = 61.08 %	H = 5.84 %	H = 5.80 %	N = 3.25 %	N = 3.21 %
Theory	Found								
C = 61.23 %	C = 61.08 %								
H = 5.84 %	H = 5.80 %								
N = 3.25 %	N = 3.21 %								
Identification (TLC)	conforms with authentic material								
Melting point	103 °C								
Specific optical rotation	$[\alpha]_D^{24} = +84.5^\circ$ (1 % in ethylacetate)								
Purity (HPLC)	98.4% (TFA, 260 nm)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/ethylacetate/acetic acid 50/50/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								

Latest update: February 08, 2016

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