

Analytical Data Sheet

Lot number **1070759**
not for drug use

Catalog number **A-3265.0001**
Product number **4017511.0001**
Product **Boc- D- Cys(Trt) - OH**
Molecular formula **C₂₇H₂₉NO₄S**
Relative molecular mass **463.60**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 70.0 %</td><td>C = 69.8 %</td></tr><tr><td>H = 6.3 %</td><td>H = 6.2 %</td></tr><tr><td>N = 3.0 %</td><td>N = 3.0 %</td></tr></tbody></table>	Theory	Found	C = 70.0 %	C = 69.8 %	H = 6.3 %	H = 6.2 %	N = 3.0 %	N = 3.0 %
Theory	Found								
C = 70.0 %	C = 69.8 %								
H = 6.3 %	H = 6.2 %								
N = 3.0 %	N = 3.0 %								
Identification (TLC)	complies with authentic material								
Melting point	148 °C								
Specific optical rotation	$[\alpha]_D^{24}$ -26.4 ° (1 % in MeOH)								
Purity (TLC)	≥ 98%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								

Latest update: March 13, 2017

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