

Analytical Data Sheet

Lot number

1015242

not for drug use

Catalog Number	B-1880.0005
Product number	4016149.0005
Product	Fmoc-Cys(Bzl) - OH
Molecular formula	$C_{25}H_{23}NO_4S$
Relative molecular mass	433.53

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in acetone)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 69.26 %</td> <td>C = 69.08 %</td> </tr> <tr> <td>H = 5.35 %</td> <td>H = 5.34 %</td> </tr> <tr> <td>N = 3.23 %</td> <td>N = 3.29 %</td> </tr> </table>	Theory	Found	C = 69.26 %	C = 69.08 %	H = 5.35 %	H = 5.34 %	N = 3.23 %	N = 3.29 %
Theory	Found								
C = 69.26 %	C = 69.08 %								
H = 5.35 %	H = 5.34 %								
N = 3.23 %	N = 3.29 %								
Identification (TLC)	complies with authentic material								
Melting point	132 °C								
Specific optical rotation	$[\alpha]_D^{24} = -45.1^\circ$ (2 % in dimethylformamide)								
Purity (HPLC)	99.5% (TFA, 260 nm)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, chlorine-tolidine								
Latest update: October 24, 2008									