

Analytical Data Sheet

Lot number

1023191

not for drug use

Catalog Number	A-3930.0001
Product number	4026800.0001
Product	Boc- D- Cys(Acm) - OH
Molecular formula	$C_{11}H_{20}N_2O_5S$
Relative molecular mass	292.36

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 45.2 %</td> <td>C = 45.0 %</td> </tr> <tr> <td>H = 6.9 %</td> <td>H = 7.0 %</td> </tr> <tr> <td>N = 9.6 %</td> <td>N = 9.5 %</td> </tr> </table>	Theory	Found	C = 45.2 %	C = 45.0 %	H = 6.9 %	H = 7.0 %	N = 9.6 %	N = 9.5 %
Theory	Found								
C = 45.2 %	C = 45.0 %								
H = 6.9 %	H = 7.0 %								
N = 9.6 %	N = 9.5 %								
Identification (TLC)	complies with authentic material								
Melting point	114 °C								
Specific optical rotation	$[\alpha]_D^{24} = +34.5^\circ$ (1 % in water)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: April 03, 2009									

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