

Analytical Data Sheet

Lot number

1051363

not for drug use

Catalog Number	A-3455.0005
Product number	4018560.0005
Product	Boc- Cys(Me) - OH
Molecular formula	C₉H₁₇NO₄S
Relative molecular mass	235.30

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 = 45.9%</td> <td>C = 46.1%</td> </tr> <tr> <td>H = 7.3%</td> <td>H = 7.1%</td> </tr> <tr> <td>N = 6.0%</td> <td>N = 5.9%</td> </tr> </table>	Theory	Found	C = 45.9%	C = 46.1%	H = 7.3%	H = 7.1%	N = 6.0%	N = 5.9%
Theory	Found								
C = 45.9%	C = 46.1%								
H = 7.3%	H = 7.1%								
N = 6.0%	N = 5.9%								
Identification (TLC)	complies with authentic material								
Kaiser test	negative								
Melting point	87 °C								
Specific optical rotation	$[\alpha]_D^{24} = -18.3^\circ$ (1% in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	98.3% (Nth 5.95%, Nfd 5.85%)								

Latest update: December 13, 2013

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