

Analytical Data Sheet

Lot number

1029527

not for drug use

Catalog Number	A-2885.0001
Product number	4013701.0001
Product	Boc- Met(O ₂) - OH
Molecular formula	C ₁₀ H ₁₉ NO ₆ S
Relative molecular mass	281.33

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 42.7 %</td> <td>C = 42.6 %</td> </tr> <tr> <td>H = 6.8 %</td> <td>H = 7.2 %</td> </tr> <tr> <td>N = 5.0 %</td> <td>N = 4.9 %</td> </tr> </table>	Theory	Found	C = 42.7 %	C = 42.6 %	H = 6.8 %	H = 7.2 %	N = 5.0 %	N = 4.9 %
Theory	Found								
C = 42.7 %	C = 42.6 %								
H = 6.8 %	H = 7.2 %								
N = 5.0 %	N = 4.9 %								
Identification (TLC)	complies with authentic material								
Melting point	112 °C								
Specific optical rotation	$[\alpha]_D^{24} = -14.6^\circ$ (1 % in dimethylformamide)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Water content (KF volumetric)	0.4%								
Latest update: March 03, 2010									