

Analytical Data Sheet

Lot number

1026836

not for drug use

Catalog Number	F-3640.0250
Product number	4027391.0250
Product	H- D- Met(O ₂) - OH
Molecular formula	C ₅ H ₁₁ NO ₄ S
Relative molecular mass	181.21

Tests	Results								
Appearance	white crystals								
Appearance of solution	clear, colorless solution (50 mg/mL in formic acid 80%)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 33.1%</td> <td>C = 33.0%</td> </tr> <tr> <td>H = 6.1%</td> <td>H = 5.9%</td> </tr> <tr> <td>N = 7.7%</td> <td>N = 7.7%</td> </tr> </table>	Theory	Found	C = 33.1%	C = 33.0%	H = 6.1%	H = 5.9%	N = 7.7%	N = 7.7%
Theory	Found								
C = 33.1%	C = 33.0%								
H = 6.1%	H = 5.9%								
N = 7.7%	N = 7.7%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -12.9^\circ$ (2% in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	98.4% (HClO ₄)								
Water content (KF volumetric)	0.2%								
Latest update: November 06, 2009									