

Analytical Data Sheet

Lot number

1018234

not for drug use

Catalog Number	F-2945.0025
Product number	4014135.0025
Product	H- Met(O) - OH
Molecular formula	C ₅ H ₁₁ NO ₃ S
Relative molecular mass	165.21

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol 50%)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 36.4%</td> <td>C = 36.4%</td> </tr> <tr> <td>H = 6.7%</td> <td>H = 6.9%</td> </tr> <tr> <td>N = 8.5%</td> <td>N = 8.5%</td> </tr> </table>	Theory	Found	C = 36.4%	C = 36.4%	H = 6.7%	H = 6.9%	N = 8.5%	N = 8.5%
Theory	Found								
C = 36.4%	C = 36.4%								
H = 6.7%	H = 6.9%								
N = 8.5%	N = 8.5%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +15.9^\circ$ (1% in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	99.3% (TBAH)								
Water content (KF volumetric)	0.6%								
Latest update: October 24, 2008									