

## Analytical Data Sheet

Lot number **1057639**  
not for drug use

Catalog number **E-1850.0005**  
Product number **4001407.0005**  
Product **For- Met- OH**  
Molecular formula **C<sub>6</sub>H<sub>11</sub>NO<sub>3</sub>S**  
Relative molecular mass **177.22**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 40.7 %</td> <td>C = 40.9 %</td> </tr> <tr> <td>H = 6.3 %</td> <td>H = 6.1 %</td> </tr> <tr> <td>N = 7.9 %</td> <td>N = 7.8 %</td> </tr> </tbody> </table>	Theory	Found	C = 40.7 %	C = 40.9 %	H = 6.3 %	H = 6.1 %	N = 7.9 %	N = 7.8 %
Theory	Found								
C = 40.7 %	C = 40.9 %								
H = 6.3 %	H = 6.1 %								
N = 7.9 %	N = 7.8 %								
Identification (TLC)	complies with authentic material								
Melting point	102 °C								
Specific optical rotation	$[\alpha]_D^{24} = -10.5^\circ$ (2 % in water)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	0.1% D-Enantiomer								
Assay (elemental analysis)	100.5% (Cth 40.66 %, Cfd 40.87 %)								
Water content (KF volumetric)	0.1%								