

Analytical Data Sheet

Lot number **1015046**
not for drug use

Catalog number **E-1850.0025**
Product number **4001407.0025**
Product **For- Met- OH**
Molecular formula **C₆H₁₁NO₃S**
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 = 40.8 %</td> </tr> <tr> <td>H = 6.3 %</td> <td>H = 6.4 %</td> </tr> <tr> <td>N = 7.9 %</td> <td>N = 7.8 %</td> </tr> </tbody> </table>	Theory	Found	C = 40.7 %	C = 40.8 %	H = 6.3 %	H = 6.4 %	N = 7.9 %	N = 7.8 %
Theory	Found								
C = 40.7 %	C = 40.8 %								
H = 6.3 %	H = 6.4 %								
N = 7.9 %	N = 7.8 %								
Identification (TLC)	complies with authentic material								
Melting point	103 ° C								
Purity (TLC)	> 99%								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	0.3% For-D-Met-OH								
Assay (elemental analysis)	99.1% (Cth 7.90 %, Cfd 7.83 %)								
Water content (KF volumetric)	0.1%								

Latest update: December 19, 2016

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