

Analytical Data Sheet

Lot number **1071789**
not for drug use

Catalog number **E-2100.0250**
Product number **4030850.0250**
Product **H- Met- OH**
Molecular formula **C₅H₁₁NO₂S**
Relative molecular mass **149.21**

Tests	Results								
Appearance	white crystalline powder								
Appearance of solution	clear, colorless solution (50 mg/mL in 1N HCl)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 40.3%</td> <td>C = 40.1%</td> </tr> <tr> <td>H = 7.4%</td> <td>H = 7.3%</td> </tr> <tr> <td>N = 9.4%</td> <td>N = 9.1%</td> </tr> </table>	Theory	Found	C = 40.3%	C = 40.1%	H = 7.4%	H = 7.3%	N = 9.4%	N = 9.1%
Theory	Found								
C = 40.3%	C = 40.1%								
H = 7.4%	H = 7.3%								
N = 9.4%	N = 9.1%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +22.78^\circ$ (5 % in 1N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	< 0.1% D-Enantiomer								
Other amino acids (GC)	none detected (< 0.3 %)								
Assay (elemental analysis)	100.1% (Nth 9.39%, Nfd 9.40%)								

Latest update: May 15, 2017

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