

Analytical Data Sheet

Lot number

1026685

not for drug use

Catalog Number	H-3195.1000
Product number	4000709.1000
Product	H- Glu(Met- OH) - OH
Molecular formula	C ₁₀ H ₁₈ N ₂ O ₅ S
Relative molecular mass	278.33

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in acetic acid 80 % (warmed))								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 43.15 %</td> <td>C = 43.37 %</td> </tr> <tr> <td>H = 6.52 %</td> <td>H = 6.54 %</td> </tr> <tr> <td>N = 10.06 %</td> <td>N = 10.22 %</td> </tr> </table>	Theory	Found	C = 43.15 %	C = 43.37 %	H = 6.52 %	H = 6.54 %	N = 10.06 %	N = 10.22 %
Theory	Found								
C = 43.15 %	C = 43.37 %								
H = 6.52 %	H = 6.54 %								
N = 10.06 %	N = 10.22 %								
Specific optical rotation	$[\alpha]_D^{24} = -10.7^\circ$ (1 % in H ₂ O)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicael 60 F ₂₅₄ detected by: UV, ninhydrine, TMB								
Water content (KF volumetric)	0.6%								
Latest update: September 23, 2009	Analytical Data Sheet Lot number 1026685								