

Analytical Data Sheet

Lot number

1037164

not for drug use

Catalog Number	E-3540.0001
Product number	4028874.0001
Product	H- Glu(OMe) - NH₂ · HCl
Molecular formula	C₆H₁₂N₂O₃ · HCl
Relative molecular mass	196.63

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in 80 % methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 36.7 %</td> <td>C = 36.7 %</td> </tr> <tr> <td>H = 6.7 %</td> <td>H = 6.9 %</td> </tr> <tr> <td>N = 14.3 %</td> <td>N = 14.3 %</td> </tr> </table>	Theory	Found	C = 36.7 %	C = 36.7 %	H = 6.7 %	H = 6.9 %	N = 14.3 %	N = 14.3 %
Theory	Found								
C = 36.7 %	C = 36.7 %								
H = 6.7 %	H = 6.9 %								
N = 14.3 %	N = 14.3 %								
Identification (TLC)	complies with authentic material								
Melting point	199 °C								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	81.5% (Nth 17.49 %, Nfd 14.25 %)								
Water content (KF volumetric)	0.3%								
Chloride content (titration)	18.0%								
Latest update: June 08, 2011	Analytical Data Sheet Lot number 1037164								