

Analytical Data Sheet

Lot number **1054486**
not for drug use

Catalog number **G-3900.1000**
Product number **4005138.1000**
Product **H- Glu(Abu- OH) - OH**
Molecular formula $C_9H_{16}N_2O_5$
Relative molecular mass 232.24

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 45.84 %</td> <td>C = 45.66 %</td> </tr> <tr> <td>H = 7.01 %</td> <td>H = 7.35 %</td> </tr> <tr> <td>N = 11.88 %</td> <td>N = 11.58 %</td> </tr> </tbody> </table> <p>calc. as 0.2 H₂O (1.53 %)</p>	Theory	Found	C = 45.84 %	C = 45.66 %	H = 7.01 %	H = 7.35 %	N = 11.88 %	N = 11.58 %
Theory	Found								
C = 45.84 %	C = 45.66 %								
H = 7.01 %	H = 7.35 %								
N = 11.88 %	N = 11.58 %								
Identification (TLC)	Complies with authentic material								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	96.0% (Nth 12.06 %, Nfd 11.58 %)								
Water content (KF volumetric)	1.6%								