

Analytical Data Sheet

Lot number

1040133

not for drug use

Catalog Number	F-1550.0100
Product number	4030628.0100
Product	H- D- Glu- OH
Molecular formula	C ₅ H ₉ NO ₄
Relative molecular mass	147.13

Tests	Results								
Appearance	white powder								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 40.8%</td> <td>C = 40.6%</td> </tr> <tr> <td>H = 6.2%</td> <td>H = 6.2%</td> </tr> <tr> <td>N = 9.5%</td> <td>N = 9.5%</td> </tr> </table>	Theory	Found	C = 40.8%	C = 40.6%	H = 6.2%	H = 6.2%	N = 9.5%	N = 9.5%
Theory	Found								
C = 40.8%	C = 40.6%								
H = 6.2%	H = 6.2%								
N = 9.5%	N = 9.5%								
Specific optical rotation	$[\alpha]_D^{24} = -30.9^\circ$ (5 % in 1 N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	0.3% L-Enantiomer								
Other amino acids (GC)	< 0.3%								
Assay (elemental analysis)	99.9% (Nth 9.52%, Nfd 9.51%)								
Latest update: December 14, 2011									