

Analytical Data Sheet

Lot number

1051887

not for drug use

Catalog Number	G-1935.0001
Product number	4004492.0001
Product	H- Glu- Gly- OH
Molecular formula	C ₇ H ₁₂ N ₂ O ₅
Relative molecular mass	204.18

Tests	Results								
Appearance	white powder								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in water)								
Identification (ESI-MS)	m = 204.2u (average mass)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 41.2%</td> <td>C = 41.1%</td> </tr> <tr> <td>H = 5.9%</td> <td>H = 5.7%</td> </tr> <tr> <td>N = 13.7%</td> <td>N = 13.7%</td> </tr> </table>	Theory	Found	C = 41.2%	C = 41.1%	H = 5.9%	H = 5.7%	N = 13.7%	N = 13.7%
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C = 41.2%	C = 41.1%								
H = 5.9%	H = 5.7%								
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Identification (TLC)	complies with authentic material								
Melting point	175 °C								
Specific optical rotation	$[\alpha]_D^{24} = +76.7^\circ$ (1% in water)								
Purity (TLC)	> 99%								
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TLC conditions	isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.8% (Nth 13.72%, Nfd 13.69%)								
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Latest update: January 23, 2014									



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