

Analytical Data Sheet

Lot number

1052332

not for drug use

Catalog Number	G-3690.0250
Product number	4011870.0250
Product	H- D- Ala- Gln- OH
Molecular formula	C₈H₁₅N₃O₄
Relative molecular mass	217.23

Tests	Results								
Appearance	white crystals								
Appearance of solution	clear, colorless solution (50 mg/ml in water)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 44.2%</td> <td>C = 44.1%</td> </tr> <tr> <td>H = 7.0%</td> <td>H = 6.9%</td> </tr> <tr> <td>N = 19.3%</td> <td>N = 19.3%</td> </tr> </table>	Theory	Found	C = 44.2%	C = 44.1%	H = 7.0%	H = 6.9%	N = 19.3%	N = 19.3%
Theory	Found								
C = 44.2%	C = 44.1%								
H = 7.0%	H = 6.9%								
N = 19.3%	N = 19.3%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	- 21.4 ° (1% in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	99.8% (Nth 19.34%, Nfd 19.30%)								
Water content (KF volumetric)	0.1%								
Latest update: February 19, 2014									