

Analytical Data Sheet

Lot number

1028262

not for drug use

Catalog Number	G-1195.0005
Product number	4006259.0005
Product	H- Ala- Asp- OH
Molecular formula	C ₇ H ₁₂ N ₂ O ₅
Relative molecular mass	204.18

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (25 mg/ml in 80% AcOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 41.2 %</td> <td>C = 41.0 %</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 = 41.0 %	H = 5.9 %	H = 5.7 %	N = 13.7 %	N = 13.7 %
Theory	Found								
C = 41.2 %	C = 41.0 %								
H = 5.9 %	H = 5.7 %								
N = 13.7 %	N = 13.7 %								
Identification (TLC)	complies with authentic material								
Melting point	215 °C								
Specific optical rotation	$[\alpha]_D^{24} = +4.3^\circ$ (1 % 0.5N HCl)								
Purity (TLC)	> 99%								
Related impurities (TLC)	<p>< 0.2% H-Ala-OH</p> <p>< 0.2% H-Asp-OH</p>								
TLC conditions	<p>n-butanol/acetic acid/H₂O 4/2/2</p> <p>isopropanol/ammonia conc. 1/1</p> <p>methanol/chloroform/ammonia 17% 2/2/1</p> <p>plate: silicagel 60 F₂₅₄</p> <p>detected by: UV, ninhydrin, TMB</p>								
Latest update: December 22, 2009									
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