

Analytical Data Sheet

Lot number

1012107

not for drug use

Catalog Number	F-2415.0250
Product number	4011485.0250
Product	N- Me- D- Asp- OH
Molecular formula	C₅H₉NO₄
Relative molecular mass	147.13

Tests	Results								
Appearance	white powder								
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 = 36.77 %</td> <td>C = 36.40 %</td> </tr> <tr> <td>H = 6.66 %</td> <td>H = 6.54 %</td> </tr> <tr> <td>N = 8.57 %</td> <td>N = 8.44 %</td> </tr> </table> <p>calc. as 0.9 H₂O (9.93 %)</p>	Theory	Found	C = 36.77 %	C = 36.40 %	H = 6.66 %	H = 6.54 %	N = 8.57 %	N = 8.44 %
Theory	Found								
C = 36.77 %	C = 36.40 %								
H = 6.66 %	H = 6.54 %								
N = 8.57 %	N = 8.44 %								
Identification (TLC)	complies with authentic material								
Melting point	188 °C								
Specific optical rotation	[α] _D ²⁴ = - 14.9° (2 % 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, chlorine-tolidine								
Water content (KF volumetric)	10.1 %								
Latest update: October 24, 2008	Analytical Data Sheet Lot number 1012107								