

Analytical Data Sheet

Lot number

1037409

not for drug use

Catalog Number	F-1275.0001
Product number	4004767.0001
Product	H- D- Asp(OtBu) - OH
Molecular formula	C ₈ H ₁₅ NO ₄
Relative molecular mass	189.21

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in 50 % methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 50.5 %</td> <td>C = 50.2 %</td> </tr> <tr> <td>H = 8.0 %</td> <td>H = 8.0 %</td> </tr> <tr> <td>N = 7.4 %</td> <td>N = 7.3 %</td> </tr> </table> <p>calc. x 0.1 H₂O (0.7 %)</p>	Theory	Found	C = 50.5 %	C = 50.2 %	H = 8.0 %	H = 8.0 %	N = 7.4 %	N = 7.3 %
Theory	Found								
C = 50.5 %	C = 50.2 %								
H = 8.0 %	H = 8.0 %								
N = 7.4 %	N = 7.3 %								
Identification (TLC)	complies with authentic material								
Melting point	213 °C								
Specific optical rotation	[α] _D ²⁴ = + 19.9 ° (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.6%								
Latest update: June 22, 2011									