

Analytical Data Sheet

Lot number

1050238

not for drug use

Catalog Number	C-1360.0001
Product number	4004766.0001
Product	Z- D- Asp(OtBu) - OH
Molecular formula	C ₁₆ H ₂₁ NO ₆
Relative molecular mass	323.35

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 56.2 %</td> <td>C = 56.1 %</td> </tr> <tr> <td>H = 6.8 %</td> <td>H = 6.5 %</td> </tr> <tr> <td>N = 4.1 %</td> <td>N = 4.1 %</td> </tr> </table> <p>calc. x 1.1 H₂O (5.5 %)</p>	Theory	Found	C = 56.2 %	C = 56.1 %	H = 6.8 %	H = 6.5 %	N = 4.1 %	N = 4.1 %
Theory	Found								
C = 56.2 %	C = 56.1 %								
H = 6.8 %	H = 6.5 %								
N = 4.1 %	N = 4.1 %								
Identification (TLC)	complies with authentic material								
Melting point	58 °C								
Specific optical rotation	[α] _D ²⁴ = -31.6° (1 % in chloroform)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	0.7% L-Enantiomer								
Assay (titration)	95.3% (TBAH)								
Water content (KF volumetric)	5.5%								
Latest update: October 04, 2013									