

Analytical Data Sheet

Lot number

1037843

not for drug use

Catalog Number	C-3780.0025
Product number	4025293.0025
Product	Z- Asp(OMe) - OH
Molecular formula	C ₁₃ H ₁₅ NO ₆
Relative molecular mass	281.27

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 55.41 %</td> <td>C = 55.28 %</td> </tr> <tr> <td>H = 5.39 %</td> <td>H = 5.56 %</td> </tr> <tr> <td>N = 4.97 %</td> <td>N = 5.00 %</td> </tr> </table> <p>calc. as 0.03 H₂O (0.19 %)</p>	Theory	Found	C = 55.41 %	C = 55.28 %	H = 5.39 %	H = 5.56 %	N = 4.97 %	N = 5.00 %
Theory	Found								
C = 55.41 %	C = 55.28 %								
H = 5.39 %	H = 5.56 %								
N = 4.97 %	N = 5.00 %								
Identification (TLC)	complies with authentic material								
Melting point	96 °C								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/ethylacetate/acetic acid 90/10/2 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.2%								
Latest update: July 18, 2011									