

Analytical Data Sheet

Lot number

1046082

not for drug use

Catalog Number	F-2755.0001
Product number	4017370.0001
Product	H- D- Asn(Trt) - OH
Molecular formula	C ₂₃ H ₂₂ N ₂ O ₃
Relative molecular mass	374.44

Tests	Results								
Appearance	white product								
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 = 69.78 %</td> <td>C = 69.60 %</td> </tr> <tr> <td>H = 6.22 %</td> <td>H = 6.25 %</td> </tr> <tr> <td>N = 7.79 %</td> <td>N = 7.79 %</td> </tr> </table> <p>calc. as 1.1 H₂O (4.9 %) x 0.25 acetonitrile (2.5 %)</p>	Theory	Found	C = 69.78 %	C = 69.60 %	H = 6.22 %	H = 6.25 %	N = 7.79 %	N = 7.79 %
Theory	Found								
C = 69.78 %	C = 69.60 %								
H = 6.22 %	H = 6.25 %								
N = 7.79 %	N = 7.79 %								
Identification (TLC)	complies with authentic material								
Melting point	237 °C								
Specific optical rotation	[α] _D ²⁴ = + 22.7° (1 % in methanol)								
Purity (TLC)	≥ 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 15/4/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/benzene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	5.0%								
Residual organic solvents (GC)	2.6% acetonitrile								
Latest update: December 21, 2012	Analytical Data Sheet Lot number 1046082								