

Analytical Data Sheet

Lot number

1038155

not for drug use

Catalog Number	C-3630.0005
Product number	4017003.0005
Product	Z- Asn(Mtt) - OH
Molecular formula	C ₃₂ H ₃₀ N ₂ O ₅
Relative molecular mass	522.60

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg /ml methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 73.29 %</td> <td>C = 73.02 %</td> </tr> <tr> <td>H = 5.80 %</td> <td>H = 5.41 %</td> </tr> <tr> <td>N = 5.34 %</td> <td>N = 5.22 %</td> </tr> </table> <p>calc. as 0.1 H₂O (0.3 %)</p>	Theory	Found	C = 73.29 %	C = 73.02 %	H = 5.80 %	H = 5.41 %	N = 5.34 %	N = 5.22 %
Theory	Found								
C = 73.29 %	C = 73.02 %								
H = 5.80 %	H = 5.41 %								
N = 5.34 %	N = 5.22 %								
Melting point	195 °C								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 benzene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.5%								
Latest update: August 09, 2011									