

Analytical Data Sheet

Lot number

0563576

not for drug use

Catalog Number	C-2015.0100
Product number	4002305.0100
Product	Z- Hyp- OH
Molecular formula	C ₁₃ H ₁₅ NO ₅
Relative molecular mass	265.27

Tests	Results								
Appearance	white powder with lumps								
Appearance of solution	clear, colorless solution (10 mg/ml in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 58.86 %</td> <td>C = 58.74 %</td> </tr> <tr> <td>H = 5.70 %</td> <td>H = 5.37 %</td> </tr> <tr> <td>N = 5.28 %</td> <td>N = 5.18 %</td> </tr> </table>	Theory	Found	C = 58.86 %	C = 58.74 %	H = 5.70 %	H = 5.37 %	N = 5.28 %	N = 5.18 %
Theory	Found								
C = 58.86 %	C = 58.74 %								
H = 5.70 %	H = 5.37 %								
N = 5.28 %	N = 5.18 %								
Identification (TLC)	Complies with authentic material								
Melting point	105 °C								
Specific optical rotation	$[\alpha]_D^{24} = -52.6^\circ$ (1 % in ethanol)								
Purity (TLC)	> 99%								
TLC conditions	Ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 Chloroform/methanol/acetic acid 77.5/15/7.5 Chloroform/methanol/benzene/H ₂ O 8/8/8/1 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate								
Latest update: October 25, 2008									