

Analytical Data Sheet

Lot number

1015428

not for drug use

Catalog Number	C-3315.0025
Product number	4009777.0025
Product	Z- Dap- OH
Molecular formula	C ₁₁ H ₁₄ N ₂ O ₄
Relative molecular mass	238.24

Tests	Results								
Appearance	light beige powder								
Appearance of solution	clear, colorless solution (25 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 55.5 %</td> <td>C = 55.4 %</td> </tr> <tr> <td>H = 5.9 %</td> <td>H = 5.9 %</td> </tr> <tr> <td>N = 11.8 %</td> <td>N = 11.6 %</td> </tr> </table>	Theory	Found	C = 55.5 %	C = 55.4 %	H = 5.9 %	H = 5.9 %	N = 11.8 %	N = 11.6 %
Theory	Found								
C = 55.5 %	C = 55.4 %								
H = 5.9 %	H = 5.9 %								
N = 11.8 %	N = 11.6 %								
Identification (TLC)	conforms with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -19.4^\circ$ (0.4 % in AcOH 80 %)								
Purity (TLC)	> 98 %								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 6/4/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.9 % (Cth 55.46 %, Cfd 55.40 %)								
Water content (KF volumetric)	0.4 %								
Latest update: October 24, 2008									