

Analytical Data Sheet

Lot number

1023849

not for drug use

Catalog Number	C-3315.0005
Product number	4009777.0005
Product	Z- Dap- OH
Molecular formula	C ₁₁ H ₁₄ N ₂ O ₄
Relative molecular mass	238.24

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (25 mg/mL in acetic acid 80%)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 55.5%</td> <td>C = 55.1%</td> </tr> <tr> <td>H = 5.9%</td> <td>H = 5.8%</td> </tr> <tr> <td>N = 11.8%</td> <td>N = 11.7%</td> </tr> </table>	Theory	Found	C = 55.5%	C = 55.1%	H = 5.9%	H = 5.8%	N = 11.8%	N = 11.7%
Theory	Found								
C = 55.5%	C = 55.1%								
H = 5.9%	H = 5.8%								
N = 11.8%	N = 11.7%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -19.1^\circ$ (0.4% in acetic acid 80%)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 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)	99.5% (Nth 11.76%, Nfd 11.70%)								
Water content (KF volumetric)	0.2%								
Latest update: May 06, 2009									