

Analytical Data Sheet

Lot number

1007156

not for drug use

Catalog Number	C-3695.0005
Product number	4018916.0005
Product	Z- Dap(Z) - OH
Molecular formula	$C_{19}H_{20}N_2O_6$
Relative molecular mass	372.38

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 61.3 %</td> <td>C = 61.4 %</td> </tr> <tr> <td>H = 5.4 %</td> <td>H = 5.3 %</td> </tr> <tr> <td>N = 7.5 %</td> <td>N = 7.5 %</td> </tr> </table>	Theory	Found	C = 61.3 %	C = 61.4 %	H = 5.4 %	H = 5.3 %	N = 7.5 %	N = 7.5 %
Theory	Found								
C = 61.3 %	C = 61.4 %								
H = 5.4 %	H = 5.3 %								
N = 7.5 %	N = 7.5 %								
Identification (TLC)	complies with authentic material								
Melting point	102 °C								
Specific optical rotation	$[\alpha]_D^{24} = -15.2^\circ$ (1 % MeOH)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.2% (Cth 61.28 %, Cfd 61.38 %)								
Water content (KF volumetric)	0.5%								
Latest update: October 24, 2008									