

Analytical Data Sheet

Lot number

0569555

not for drug use

Catalog Number	A-3000.0005
Product number	4016022.0005
Product	Boc- Dap(Z) - OH · DCHA
Molecular formula	$C_{16}H_{22}N_2O_6 \cdot C_{12}H_{23}N$
Relative molecular mass	519.68

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 64.7 %</td> <td>C = 64.9 %</td> </tr> <tr> <td>H = 8.7 %</td> <td>H = 8.8 %</td> </tr> <tr> <td>N = 8.1 %</td> <td>N = 8.0 %</td> </tr> </table>	Theory	Found	C = 64.7 %	C = 64.9 %	H = 8.7 %	H = 8.8 %	N = 8.1 %	N = 8.0 %
Theory	Found								
C = 64.7 %	C = 64.9 %								
H = 8.7 %	H = 8.8 %								
N = 8.1 %	N = 8.0 %								
Identification (TLC)	complies with authentic material								
Melting point	191 ° C								
Specific optical rotation	$[\alpha]_D^{24} = +9.2^\circ$ (1 % MeOH)								
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/acetic acid/H ₂ O 85/13/0.5/1.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.3% (Cth 64.71 %, Cfd 64.91 %)								
Water content (KF volumetric)	0.1%								
Latest update: October 25, 2008									