

Analytical Data Sheet

Lot number

1010097

not for drug use

Catalog Number	C-3760.0001
Product number	4025048.0001
Product	Z- D- Dap(Boc) - OH
Molecular formula	C ₁₆ H ₂₂ N ₂ O ₆
Relative molecular mass	338.36

Tests	Results								
Appearance	White powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 56.80 %</td> <td>C = 56.72 %</td> </tr> <tr> <td>H = 6.55 %</td> <td>H = 6.74 %</td> </tr> <tr> <td>N = 8.28 %</td> <td>N = 8.27 %</td> </tr> </table>	Theory	Found	C = 56.80 %	C = 56.72 %	H = 6.55 %	H = 6.74 %	N = 8.28 %	N = 8.27 %
Theory	Found								
C = 56.80 %	C = 56.72 %								
H = 6.55 %	H = 6.74 %								
N = 8.28 %	N = 8.27 %								
Identification (TLC)	Complies with authentic material								
Melting point	142 °C								
Specific optical rotation	$[\alpha]_D^{24} = +11.5^\circ$ (1 % MeOH)								
Purity (TLC)	> 99%								
TLC conditions	Chloroform/methanol/benzene/H ₂ O 8/8/8/1 Chloroform/methanol/acetic acid 90/8/2 Benzene/dioxane/acetic acid 95/25/4 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: October 24, 2008									