

Analytical Data Sheet

Lot number

1036706

not for drug use

Catalog Number	C-3685.0005
Product number	4018949.0005
Product	Z- Dap(Boc) - OH
Molecular formula	$C_{16}H_{22}N_2O_6$
Relative molecular mass	338.36

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 = 56.8 %</td> <td>C = 56.4 %</td> </tr> <tr> <td>H = 6.6 %</td> <td>H = 6.5 %</td> </tr> <tr> <td>N = 8.3 %</td> <td>N = 8.3 %</td> </tr> </table>	Theory	Found	C = 56.8 %	C = 56.4 %	H = 6.6 %	H = 6.5 %	N = 8.3 %	N = 8.3 %
Theory	Found								
C = 56.8 %	C = 56.4 %								
H = 6.6 %	H = 6.5 %								
N = 8.3 %	N = 8.3 %								
Identification (TLC)	conforms with authentic material								
Melting point	143 °C								
Purity (TLC)	≥ 99%								
TLC conditions	chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.2% (Cth 56.80 %, Cfd 56.35 %)								
Water content (KF volumetric)	0.3%								
Latest update: May 12, 2011									