

Analytical Data Sheet

Lot number

1012076

not for drug use

Catalog Number	A-3220.0025
Product number	4015642.0025
Product	Boc- Dap- OH
Molecular formula	$C_8H_{16}N_2O_4$
Relative molecular mass	204.23

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, yellowish solution (50 mg/ml in MeOH 50 %)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 45.90 %</td> <td>C = 45.51 %</td> </tr> <tr> <td>H = 7.98 %</td> <td>H = 8.20 %</td> </tr> <tr> <td>N = 13.38 %</td> <td>N = 13.34 %</td> </tr> </table> <p>calc. as 0.285 H₂O (2.45 %)</p>	Theory	Found	C = 45.90 %	C = 45.51 %	H = 7.98 %	H = 8.20 %	N = 13.38 %	N = 13.34 %
Theory	Found								
C = 45.90 %	C = 45.51 %								
H = 7.98 %	H = 8.20 %								
N = 13.38 %	N = 13.34 %								
Identification (TLC)	conforms with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +6.1^\circ$ (1 % in MeOH 50 %) $[\alpha]_{365}^{24} = +8.4^\circ$ (1 % in MeOH 50 %)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	2.4%								
Latest update: October 24, 2008									