

Analytical Data Sheet

Lot number

1035949

not for drug use

Catalog Number	A-2010.0005
Product number	4000800.0005
Product	Boc- N- Me- Ala- OH
Molecular formula	$C_9H_{17}NO_4$
Relative molecular mass	203.24

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 = 53.2 %</td> <td>C = 53.0 %</td> </tr> <tr> <td>H = 8.4 %</td> <td>H = 8.1 %</td> </tr> <tr> <td>N = 6.9 %</td> <td>N = 6.8 %</td> </tr> </table>	Theory	Found	C = 53.2 %	C = 53.0 %	H = 8.4 %	H = 8.1 %	N = 6.9 %	N = 6.8 %
Theory	Found								
C = 53.2 %	C = 53.0 %								
H = 8.4 %	H = 8.1 %								
N = 6.9 %	N = 6.8 %								
Identification (TLC)	complies with authentic material								
Melting point	89 °C								
Specific optical rotation	$[\alpha]_D^{24} = -30.4^\circ$ (1 % EtOH)								
Purity (TLC)	> 99%								
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	0.2% Boc-N-Me-D-Ala-OH								
Assay (elemental analysis)	99.7% (Cth 53.19 %, Cfd 53.04 %)								

Latest update: March 29, 2011

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