

Analytical Data Sheet

Lot number

1005717

not for drug use

Catalog Number	A-3910.0001
Product number	4027283.0001
Product	Boc- tBu- Gly- OH
Molecular formula	$C_{11}H_{21}NO_4$
Relative molecular mass	231.29

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 = 57.1 %</td> <td>C = 56.7 %</td> </tr> <tr> <td>H = 9.2 %</td> <td>H = 9.3 %</td> </tr> <tr> <td>N = 6.1 %</td> <td>N = 6.0 %</td> </tr> </table>	Theory	Found	C = 57.1 %	C = 56.7 %	H = 9.2 %	H = 9.3 %	N = 6.1 %	N = 6.0 %
Theory	Found								
C = 57.1 %	C = 56.7 %								
H = 9.2 %	H = 9.3 %								
N = 6.1 %	N = 6.0 %								
Identification (TLC)	conforms with authentic material								
Melting point	120 °C								
Specific optical rotation	$[\alpha]_D^{24} = + 11.7^\circ$ (1 % in $CHCl_3$) $[\alpha]_{365}^{24} = + 51.1^\circ$ (1 % in $CHCl_3$)								
Purity (TLC)	> 99%								
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/ H_2O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	< 0.1 % Boc-tBu-D-Gly-OH								

Latest update: October 24, 2008

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