

# Analytical Data Sheet

Lot number

## 1018782

not for drug use

<b>Catalog Number</b>	A-3910.0025
<b>Product number</b>	4027283.0025
<b>Product</b>	Boc- tBu- Gly- OH
<b>Molecular formula</b>	C <sub>11</sub> H <sub>21</sub> NO <sub>4</sub>
<b>Relative molecular mass</b>	231.29

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 57.1 %</td> <td>C = 57.1 %</td> </tr> <tr> <td>H = 9.2 %</td> <td>H = 9.0 %</td> </tr> <tr> <td>N = 6.1 %</td> <td>N = 6.0 %</td> </tr> </table>	Theory	Found	C = 57.1 %	C = 57.1 %	H = 9.2 %	H = 9.0 %	N = 6.1 %	N = 6.0 %
Theory	Found								
C = 57.1 %	C = 57.1 %								
H = 9.2 %	H = 9.0 %								
N = 6.1 %	N = 6.0 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	119 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = + 10.5^\circ$ (1 % in chloroform) $[\alpha]_{365}^{24} = + 47.7^\circ$ (1 % in chloroform)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: October 24, 2008									