

# Analytical Data Sheet

Lot number

## 1036391

not for drug use

<b>Catalog Number</b>	<b>A-2075.0001</b>
<b>Product number</b>	<b>4001534.0001</b>
<b>Product</b>	<b>Boc- N- Me- Phe- OH</b>
<b>Molecular formula</b>	<b>C<sub>15</sub>H<sub>21</sub>NO<sub>4</sub></b>
<b>Relative molecular mass</b>	<b>279.34</b>

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in MeOH)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 64.5 %</td> <td>C = 64.2 %</td> </tr> <tr> <td>H = 7.6 %</td> <td>H = 7.6 %</td> </tr> <tr> <td>N = 5.0 %</td> <td>N = 5.0 %</td> </tr> </table>	Theory	Found	C = 64.5 %	C = 64.2 %	H = 7.6 %	H = 7.6 %	N = 5.0 %	N = 5.0 %
Theory	Found								
C = 64.5 %	C = 64.2 %								
H = 7.6 %	H = 7.6 %								
N = 5.0 %	N = 5.0 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	87 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -80.2^\circ$ (0.5 % in EtOH)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: HPTLC detected by: UV, ninhydrin, chlorine-tolidine								
<b>Enantiomer content (GC)</b>	< 0.1% D- Enantiomer								
<b>Assay (elemental analysis)</b>	99.5% (Cth 64.50 %, Cfd 64.16 %)								
<b>Water content (KF volumetric)</b>	0.2%								

Latest update: April 21, 2011

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