

# Analytical Data Sheet

Lot number

**1014121**

not for drug use

<b>Catalog Number</b>	C-2440.0005
<b>Product number</b>	4008522.0005
<b>Product</b>	Z- Phe- Val- OH
<b>Molecular formula</b>	C <sub>22</sub> H <sub>26</sub> N <sub>2</sub> O <sub>5</sub>
<b>Relative molecular mass</b>	398.46

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (5 % in MeOH)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 66.32 %</td> <td>C = 65.94 %</td> </tr> <tr> <td>H = 6.58 %</td> <td>H = 6.54 %</td> </tr> <tr> <td>N = 7.03 %</td> <td>N = 6.96 %</td> </tr> </table>	Theory	Found	C = 66.32 %	C = 65.94 %	H = 6.58 %	H = 6.54 %	N = 7.03 %	N = 6.96 %
Theory	Found								
C = 66.32 %	C = 65.94 %								
H = 6.58 %	H = 6.54 %								
N = 7.03 %	N = 6.96 %								
<b>Melting point</b>	148 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +7.6^\circ$ (1 % in MeOH)								
<b>Purity (TLC)</b>	> 98%								
<b>TLC conditions</b>	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: October 24, 2008									