

# Analytical Data Sheet

Lot number

**1000923**

not for drug use

<b>Catalog Number</b>	C-2305.0025
<b>Product number</b>	4000190.0025
<b>Product</b>	Z- Orn- OH
<b>Molecular formula</b>	C <sub>13</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub>
<b>Relative molecular mass</b>	266.30

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in AcOH 80 %)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 58.6 %</td> <td>C = 58.6 %</td> </tr> <tr> <td>H = 6.8 %</td> <td>H = 6.6 %</td> </tr> <tr> <td>N = 10.5 %</td> <td>N = 10.5 %</td> </tr> </table>	Theory	Found	C = 58.6 %	C = 58.6 %	H = 6.8 %	H = 6.6 %	N = 10.5 %	N = 10.5 %
Theory	Found								
C = 58.6 %	C = 58.6 %								
H = 6.8 %	H = 6.6 %								
N = 10.5 %	N = 10.5 %								
<b>Identification (TLC)</b>	conforms with authentic material								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -11.8^\circ$ (0.5 % in 5N HCl)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 6/5/1/3 acetonitrile/H <sub>2</sub> O 7/3 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (elemental analysis)</b>	99.6% (Nth 10.52 %, Nfd 10.48 %)								
Latest update: October 25, 2008									