

# Analytical Data Sheet

Lot number

**0563685**

not for drug use

<b>Catalog Number</b>	C-3710.0005
<b>Product number</b>	4018965.0005
<b>Product</b>	Z- Arg(Boc) <sub>2</sub> - OH · CHA
<b>Molecular formula</b>	C <sub>24</sub> H <sub>36</sub> N <sub>4</sub> O <sub>8</sub> · C <sub>6</sub> H <sub>13</sub> N
<b>Relative molecular mass</b>	607.75

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> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 58.25 %</td> <td>C = 58.41 %</td> </tr> <tr> <td>H = 8.18 %</td> <td>H = 8.07 %</td> </tr> <tr> <td>N = 11.32 %</td> <td>N = 11.29 %</td> </tr> </table> <p>Calc. as 0.6 H<sub>2</sub>O (1.8 %)</p>	Theory	Found	C = 58.25 %	C = 58.41 %	H = 8.18 %	H = 8.07 %	N = 11.32 %	N = 11.29 %
Theory	Found								
C = 58.25 %	C = 58.41 %								
H = 8.18 %	H = 8.07 %								
N = 11.32 %	N = 11.29 %								
<b>Identification (TLC)</b>	Complies with authentic material								
<b>Melting point</b>	118 °C								
<b>Specific optical rotation</b>	[α] <sub>D</sub> <sup>24</sup> = + 9.0 ° (1 % in methanol)								
<b>Purity (TLC)</b>	> 97%								
<b>TLC conditions</b>	Chloroform/methanol/acetic acid 85/10/5 Chloroform/methanol/acetic acid(98-100%)/H <sub>2</sub> O 45/13/1/2 Benzene/dioxane/acetic acid 95/25/4 Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine								
<b>Water content (KF volumetric)</b>	1.7%								
Latest update: October 25, 2008									