

# Analytical Data Sheet

Lot number

**1038824**

not for drug use

<b>Catalog Number</b>	C-3630.0025
<b>Product number</b>	4017003.0025
<b>Product</b>	Z- Asn(Mtt) - OH
<b>Molecular formula</b>	C <sub>32</sub> H <sub>30</sub> N <sub>2</sub> O <sub>5</sub>
<b>Relative molecular mass</b>	522.60

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg /ml methanol)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 73.29 %</td> <td>C = 73.02 %</td> </tr> <tr> <td>H = 5.80 %</td> <td>H = 5.41 %</td> </tr> <tr> <td>N = 5.34 %</td> <td>N = 5.22 %</td> </tr> </table> <p>calc. as 0.1 H<sub>2</sub>O (0.3 %)</p>	Theory	Found	C = 73.29 %	C = 73.02 %	H = 5.80 %	H = 5.41 %	N = 5.34 %	N = 5.22 %
Theory	Found								
C = 73.29 %	C = 73.02 %								
H = 5.80 %	H = 5.41 %								
N = 5.34 %	N = 5.22 %								
<b>Melting point</b>	195 °C								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 benzene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid/H <sub>2</sub> O 85/13/0.5/1.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Water content (KF volumetric)</b>	0.5%								
Latest update: September 26, 2011									