

Analytical Data Sheet

Lot number

1024313

not for drug use

Catalog Number	K-1215.0001
Product number	4000626.0001
Product	Z- Pro- βNA
Molecular formula	$C_{23}H_{22}N_2O_3$
Relative molecular mass	374.44

Tests	Results								
Appearance	off-white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 73.6%</td> <td>C = 73.3%</td> </tr> <tr> <td>H = 5.9%</td> <td>H = 5.8%</td> </tr> <tr> <td>N = 7.5%</td> <td>N = 7.4%</td> </tr> </table> <p>calc. x 0.05 H₂O (0.2%)</p>	Theory	Found	C = 73.6%	C = 73.3%	H = 5.9%	H = 5.8%	N = 7.5%	N = 7.4%
Theory	Found								
C = 73.6%	C = 73.3%								
H = 5.9%	H = 5.8%								
N = 7.5%	N = 7.4%								
Identification (TLC)	complies with authentic material								
Melting point	135 °C								
Purity (TLC)	> 99%								
TLC conditions	chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.2%								
Latest update: June 12, 2009									