

Analytical Data Sheet

Lot number **1075890**
not for drug use

Catalog number **I-1145.0050**
Product number **4002518.0050**
Product **Z- Gly- Pro- AMC**
Molecular formula $C_{25}H_{25}N_3O_6$
Relative molecular mass 463.49

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (ESI-MS)	m = 463.2u								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 63.79 %</td> <td>C = 64.10 %</td> </tr> <tr> <td>H = 5.52 %</td> <td>H = 5.52 %</td> </tr> <tr> <td>N = 8.93 %</td> <td>N = 8.91 %</td> </tr> </tbody> </table> <p>calc. as 0.4 water (1.5 %)</p>	Theory	Found	C = 63.79 %	C = 64.10 %	H = 5.52 %	H = 5.52 %	N = 8.93 %	N = 8.91 %
Theory	Found								
C = 63.79 %	C = 64.10 %								
H = 5.52 %	H = 5.52 %								
N = 8.93 %	N = 8.91 %								
Identification (TLC)	Complies with authentic material								
Melting point	140 °C								
Purity (TLC)	> 99%								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 960/20/6/11 chloroform/methanol/acetic acid 90/8/2 chloroform/acetic acid 95/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	98.9% (Cth 64.79 %, Cfd 64.10 %)								
Water content (KF volumetric)	1.5%								

Latest update: March 07, 2018

Analytical Data Sheet
Lot number **1075890**