

Analytical Data Sheet

Lot number **1044902**
not for drug use

Catalog number **I-1540.0050**
Product number **4016422.0050**
Product **Z- Val- Val- Arg- AMC · HCl**
Molecular formula $C_{34}H_{45}N_7O_7 \cdot HCl$
Relative molecular mass 700.22

Tests	Results								
Appearance	White powder								
Appearance of solution	clear, colorless solution (10 mg/ml in HCOOH)								
Identification (IR)	Corresponds to the reference spectrum (lot 0516281)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 58.02 %</td> <td>C = 58.04 %</td> </tr> <tr> <td>H = 6.64 %</td> <td>H = 6.68 %</td> </tr> <tr> <td>N = 13.93 %</td> <td>N = 13.96 %</td> </tr> </tbody> </table>	Theory	Found	C = 58.02 %	C = 58.04 %	H = 6.64 %	H = 6.68 %	N = 13.93 %	N = 13.96 %
Theory	Found								
C = 58.02 %	C = 58.04 %								
H = 6.64 %	H = 6.68 %								
N = 13.93 %	N = 13.96 %								
Identification (TLC)	Complies with authentic material								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.1% AMC								
TLC conditions	Chloroform/methanol/benzene/H ₂ O 8/8/8/1 Chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 Ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.4%								
Chloride content (titration)	5.1% AgNO ₃								

Latest update: September 15, 2017

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