

Analytical Data Sheet

Lot number **1000027764**
not for drug use

Catalog number **I-1270.0050**
Product number **4005227.0050**
Product **MeOSuc- Ala- Ala- Pro- Val- AMC**
Molecular formula **C₃₁H₄₁N₅O₉**
Relative molecular mass **627.70**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in 80% acetic acid)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 59.3%</td> <td>C = 59.3%</td> </tr> <tr> <td>H = 6.6%</td> <td>H = 6.5%</td> </tr> <tr> <td>N = 11.2%</td> <td>N = 11.0%</td> </tr> </tbody> </table>	Theory	Found	C = 59.3%	C = 59.3%	H = 6.6%	H = 6.5%	N = 11.2%	N = 11.0%
Theory	Found								
C = 59.3%	C = 59.3%								
H = 6.6%	H = 6.5%								
N = 11.2%	N = 11.0%								
Identification (TLC)	Rf value in agreement with authentic material								
Purity (HPLC)	97.16%(TEAP)								
Purity (TLC)	≥ 97%								
Related impurities (TLC)	< 0.1%AMC								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	98.8%(Nth 11.16%, Nfd 11.03%)								
Water content (KF volumetric)	0.3%								

Latest update: January 29, 2020

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