

Analytical Data Sheet

Lot number **1000025881**
not for drug use

Catalog number I-1625.0025
Product number 4017732.0025
Product **Z- Val- Lys- Met- AMC acetate salt**
Molecular formula $C_{34}H_{45}N_5O_7S$
Relative molecular mass 667.83

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (10 mg/ml in 80 % acetic acid)
Identification (ESI-MS)	m = 667.6u (average mass)
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% AMC
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	88.7% (Nth 10.49 %, Nfd 9.30 %)
Water content (KF volumetric)	2.6%
Acetic acid content (IC)	11.0%
General comment	product is unstable in solution

Latest update: December 10, 2019

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