

Analytical Data Sheet

Lot number **1072672**
not for drug use

Catalog number **I-1365.0010**
Product number **4008607.0010**
Product **Tos- Gly- Pro- Arg- AMC · HCl**
Molecular formula **C₃₀H₃₇N₇O₇S · HCl**
Relative molecular mass **676.19**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in 80 % methanol)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.4% (TEAP)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Arg-AMC · 2 HCl < 0.1% AMC
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	86.2% (Nth 15.33 %, Nfd 13.22 %)
Water content (KF volumetric)	0.9%
Residual organic solvents (GC)	5.7% isopropanol
Chloride content (titration)	3.5%

Latest update: July 25, 2017

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