

## Analytical Data Sheet

Lot number **1000024947**  
not for drug use

Catalog number **H-4320.0050**  
Product number **4004330.0050**  
Product **H- Met- Arg- Phe- Ala- OH**  
Molecular formula  $C_{23}H_{37}N_7O_5S$   
Relative molecular mass 523.66

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 50% acetic acid)
Identification (TLC)	complies with authentic material
Purity (HPLC)	98.9% (TFA)
Purity (TLC)	> 99%
TLC conditions	methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 plate:silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	83.4% (Nth 18.72%, Nfd 15.62%)
Water content (KF volumetric)	2.4%

Latest update: November 22, 2019

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