

Analytical Data Sheet

Lot number **1076241**
not for drug use

Catalog number **I-1295.0050**
Product number **4004023.0050**
Product **H- Pro- Phe- Arg- AMC acetate salt**
Molecular formula $C_{30}H_{37}N_7O_5$
Relative molecular mass 575.67

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	reference complies with authentic material
Purity (HPLC)	99.09%(TFA)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.05%AMC
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	75.7%(Nth 17.03%, Nfd 12.89%)
Water content (KF volumetric)	1.6%
Trifluoroacetic acid content (HPLC)	20.50%

Latest update: April 17, 2018

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