

Analytical Data Sheet

Lot number **1076199**
not for drug use

Catalog number **I-1415.0050**
Product number **4002571.0050**
Product **H- Ala- Ala- Phe- AMC (free base)**
Molecular formula **C₂₅H₂₈N₄O₅**
Relative molecular mass **464.52**

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (10 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1%AMC (7-amino-4-methylcoumarin)
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	97.9%(Nth 12.06%, Nfd 11.81%)
Water content (KF volumetric)	0.5%

Latest update: March 28, 2018

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