

Analytical Data Sheet

Lot number **1075586**
not for drug use

Catalog number **I-1415.0250**
Product number **4002571.0250**
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 05, 2018

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