

Analytical Data Sheet

Lot number

1004454

not for drug use

| | |
|--------------------------------|---|
| Catalog Number | I-1390.0050 |
| Product number | 4008009.0050 |
| Product | H- D- Val- Leu- Lys- AMC acetate salt |
| Molecular formula | C ₂₇ H ₄₁ N ₅ O ₅ |
| Relative molecular mass | 515.65 |

| Tests | Results |
|--------------------------------------|---|
| Appearance | yellowish powder |
| Appearance of solution | clear, colorless solution (50 mg/ml in methanol) |
| Identification (ESI-MS) | m = 515.6u (average mass) |
| Identification (TLC) | complies with authentic material |
| Purity (TLC) | > 98% |
| TLC conditions | chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine |
| Assay (elemental analysis) | 78.8% (Nth 13.58 %, Nfd 10.70 %) |
| Water content (KF volumetric) | 4.1% |
| Acetic acid content (HPLC) | 17.0% |
| Latest update: October 24, 2008 | |

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