

Analytical Data Sheet

Lot number **1060518**
not for drug use

Catalog number **I-1040.0005**
Product number **4004459.0005**
Product **H- D- Ala- Leu- Lys- AMC hydrochloride salt**
Molecular formula $C_{25}H_{37}N_5O_5$
Relative molecular mass 487.60

Tests	Results
Appearance	yellow crystals
Appearance of solution	clear, colorless solution (25 mg/mL in acetic acid 30 %)
Identification (ESI-MS)	m = 487.6u (average mass)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% AMC
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	81.5% (Nth 14.36%, Nfd 11.71%)
Water content (KF volumetric)	4.6%
Chloride content (titration)	9.2%

Latest update: July 22, 2015

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