

Analytical Data Sheet

Lot number	1000038753 not for drug use
Product	H-Ala-Phe-Lys-AMC trifluoroacetate salt
Product number	4005499.0050
Molecular formula	C ₂₈ H ₃₅ N ₅ O ₅
Relative molecular mass	521.62

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/mL in MeOH)
Identification (TLC)	conforms with authentic material
Purity (HPLC)	> 95% (TFA 97.3%, TEAP 96.0%, NaClO ₄ 97.0%)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% AMC
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/ H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/ H ₂ O 60/30/9/16.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	67.2% (Nth 13.43%, Nfd 9.02%)
Water content (KF coulometric)	2.4%

Latest update: September 25, 2020

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