

Analytical Data Sheet

Lot number	1000035537 not for drug use
Product	Pepstatin A Isovaleryl-Val-Val-Sta-Ala-Sta-OH
Product number	4031136.0025
Molecular formula	C ₃₄ H ₆₃ N ₅ O ₉
Relative molecular mass	685.90

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (25 mg/mL in 80% AcOH)
Identification (ESI-MS)	m = 685.9u (average mass)
Identification (TLC)	R _f value in agreement with authentic material
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/ H ₂ O 4/2/2 chloroform/methanol 8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	98.8% (N _{th} 10.21%, N _{fd} 10.09%)
Biological activity	≥ 920 µg/mg

Latest update: July 16, 2020

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