

Analytical Data Sheet

Lot number	1000043254 not for drug use
Product	Boc-Arg-Val-Arg-Arg-AMC acetate salt
Product number	4018735.0025
Molecular formula	C ₃₈ H ₆₂ N ₁₄ O ₈
Relative molecular mass	843.01

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (10 mg/mL in water)
Identification (ESI-MS)	m = 843.0u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	97.9% (TFA) 96.2% (TEAP)
Purity (TLC)	> 95%
Related impurities (TLC)	< 0.1% AMC
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/ H ₂ O 60/60/12/36 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	80.7% (Nth 23.26%, Nfd 18.76%)
Water content (KF volumetric)	1.7%

Latest update: December 15, 2020

Analytical Data Sheet
Lot number **1000043254**