

Analytical Data Sheet

Lot number **1056430**
not for drug use

Catalog number **I-1645.0025**
Product number **4018735.0025**
Product **Boc- Arg- Val- Arg- Arg- AMC acetate salt**
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%