

Analytical Data Sheet

Lot number **1055546**
not for drug use

Catalog number **I-1070.0250**
Product number **4002540.0250**
Product **Bz- Arg- AMC · HCl**
Molecular formula $C_{23}H_{25}N_5O_4 \cdot HCl$
Relative molecular mass 471.94

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in dimethylformamide)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.6% (NaClO ₄)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 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)	90.0% (Nth 16.08 %, Nfd 14.47 %)
Water content (KF volumetric)	1.1%
Chloride content (titration)	7.4% (AgNO ₃)