

Analytical Data Sheet

Lot number **1000002304**
not for drug use

Catalog number **I-1070.0050**
Product number **4002540.0050**
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) |

Latest update: July 05, 2018

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