

Analytical Data Sheet

Lot number **1000029590**
not for drug use

Catalog number **I-1580.0050**
Product number **4017092.0050**
Product **Boc- Gly- Lys- Arg- AMC · HCl**
Molecular formula **C₂₉H₄₄N₈O₇ · HCl**
Relative molecular mass **653.18**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Purity (HPLC)	97.1% (NaClO ₄)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	86.7% (Nth 18.17 %, Nfd 6.93 %)
Water content (KF volumetric)	4.7%
Chloride content (titration)	5.8% (AgNO ₃)

Latest update: March 10, 2020

Analytical Data Sheet
Lot number **1000029590**