

## Analytical Data Sheet

**Lot number** **1000053623**  
not for drug use

**Product** Boc-Gln-Ala-Arg-AMC · HCl

**Product number** **4017019.0025**

**Molecular formula** C<sub>29</sub>H<sub>42</sub>N<sub>6</sub>O<sub>8</sub> · HCl

**Relative molecular mass** 667.16

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Purity (HPLC)	95.0% (TFA)
Purity (TLC)	≥ 98%
Related impurities (TLC)	< 0.1% AMC
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	95.6% (Nth 16.80%, Nfd 16.07%)
Water content (KF volumetric)	2.9%
Chloride content (titration)	5.1%

Latest update: August 20, 2021

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