

Analytical Data Sheet

Lot number **1000041309**
not for drug use

Product Boc-Gln-Ala-Arg-AMC · HCl

Product number **4017019.0005**

Molecular formula C₂₉H₄₂N₆O₈ · 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 ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	95.6% (N _{Th} 16.80%, N _{Fd} 16.07%)
Water content (KF volumetric)	2.9%
Chloride content (titration)	5.1%

Latest update: November 05, 2020

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