

Analytical Data Sheet

Lot number **1000005733**
not for drug use

Catalog number **L-2140.0050**
Product number **4037278.0050**
Product **Boc- Gln- Ala- Arg- pNA hydrochloride salt**
Molecular formula $C_{25}H_{39}N_9O_8$
Relative molecular mass 593.64

Tests	Results
Appearance	slightly yellowish powder
Appearance of solution	clear, slightly yellowish solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 594.3u(monoisotopic mass)
Purity (TLC)	> 97%
Related impurities (TLC)	< 0.1% p-Nitroaniline
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	77.6%(Nth 21.23%, Nfd 16.48%)
Water content (KF volumetric)	0.4%
Chloride content (titration)	0.3%

Latest update: September 12, 2018

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