

Analytical Data Sheet

Lot number **1076188**
not for drug use

Catalog number **L-1140.0005**
Product number **4001028.0005**
Product **Bz- DL- Arg- pNA · HCl**
Molecular formula **C₁₉H₂₂N₆O₄ · HCl**
Relative molecular mass **434.88**

Tests	Results
Appearance	beige powder
Appearance of solution	clear, colorless solution (10 mg/mL in 80% formic acid)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +0.9^\circ$ (0.5% in DMF)
Purity (TLC)	≥ 99%
Related impurities (TLC)	< 0.5% Bz-Arg-OH < 0.1% pNA (p-Nitroaniline)
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.9% (Nth 19.32%, Nfd 19.30%)
Water content (KF volumetric)	0.2%
Chloride content (titration)	8.0%

Latest update: March 27, 2018

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