

Analytical Data Sheet

Lot number **1000002753**
not for drug use

Catalog number **K-1080.0001**
Product number **4000556.0001**
Product **H- Arg- βNA · HCl**
Molecular formula **C₁₆H₂₁N₅O · HCl**
Relative molecular mass **335.84**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	<p>Theory Found</p> <p>C = 57.2% C = 57.3%</p> <p>H = 6.6% H = 6.5%</p> <p>N = 20.9% N = 21.0%</p> <p>calc. x 1.0 HCl</p>
Identification (TLC)	complies with authentic material
Melting point	188 °C
Specific optical rotation	$[\alpha]_D^{24} = +27.7^\circ$ (2% in methanol)
Purity (TLC)	> 99%
TLC conditions	<p>chloroform/methanol/acetic acid 32% 5/3/1</p> <p>ethylacetate/pyridine/acetic acid/H₂O 6/5/1/3</p> <p>n-butanol/acetic acid/H₂O 4/2/2</p> <p>plate: silicagel 60 F₂₅₄</p> <p>detected by: UV, ninhydrin, chlorine-tolidine</p>
Assay (elemental analysis)	<p>100.8% (Nth 20.85%, Nfd 21.01%)</p> <p>calc. x 1 HCl</p>
Chloride content (titration)	10.6% (AgNO ₃)

Latest update: July 05, 2018

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