

## Analytical Data Sheet

**Lot number** **1000054384**  
not for drug use

**Product** Z-Arg-pNA · HCl  
**Product number** **4000780.0005**  
**Molecular formula** C<sub>20</sub>H<sub>24</sub>N<sub>6</sub>O<sub>5</sub> · HCl  
**Relative molecular mass** 464.91

Tests	Results
<b>Appearance</b>	yellowish powder
<b>Appearance of solution</b>	clear, yellowish solution (50 mg/mL in MeOH)
<b>Identification (elemental analysis)</b>	C-Value 51.62% H-Value 5.46% N-Value 17.98%
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	185° C (Schaum)
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -11.5^\circ$ (1% in MeOH)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 6/5/1/3 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Chloride content (titration)</b>	7.6%

Latest update: August 24, 2021

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