

## Analytical Data Sheet

Lot number **1062376**  
not for drug use

Catalog number **L-1990.0050**  
Product number **4027887.0050**  
Product **Sar- Pro- Arg- pNA hydrochloride salt**  
Molecular formula **C<sub>20</sub>H<sub>30</sub>N<sub>8</sub>O<sub>5</sub>**  
Relative molecular mass **462.51**

Tests	Results
Appearance	yellow powder
Appearance of solution	clear, yellow solution (10 mg/mL in water)
Identification (ESI-MS)	m = 462.5u (average mass)
Purity (HPLC)	97.0% (TFA)
Related impurities (HPLC)	0.1% p-NA
Assay (elemental analysis)	80.8% (Nth 24.23%, Nfd 19.57%)
Assay (titration)	86.9% (TBAH)
Water content (KF volumetric)	4.4%
Chloride content (titration)	12.8%

Latest update: October 27, 2015

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