

Analytical Data Sheet

Lot number **1000027954**
not for drug use

Catalog number L-2145.0100
Product number 4034068.0100
Product **Pyr- Pro- Arg- pNA hydrochloride salt**
Molecular formula $C_{22}H_{30}N_8O_6$
Relative molecular mass 502.53

Tests	Results
Appearance	yellow powder
Appearance of solution	light yellow solution (20 mg/ml in H ₂ O)
Identification (ESI-MS)	m = 502.4u (average mass)
Purity (HPLC)	> 95% (TFA 97.9 %)
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% pNA
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	91.3% (Nth 22.3 %, Nfd 20.36 %)
Chloride content (titration)	6.4% (AgNO ₃)

Latest update: February 05, 2020

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