

## Analytical Data Sheet

Lot number **1000024026**  
not for drug use

Catalog number L-2120.0025  
Product number 4029234.0025  
Product H- D- Pro- Phe- Arg- pNA · 2 HCl  
Molecular formula  $C_{26}H_{34}N_8O_5 \cdot 2 HCl$   
Relative molecular mass 611.53

| Tests                         | Results  |
|-------------------------------|--|
| Appearance                    | pale yellow powder   |
| Appearance of solution        | clear, slightly, pale yellowish solution<br>(50 mg/ml in methanol 50 %)  |
| Purity (TLC)                  | > 97%  |
| TLC conditions                | ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/60/12/36<br>chloroform/methanol/acetic acid 32% 5/3/1<br>n-butanol/acetic acid/H <sub>2</sub> O 4/2/2<br>plate: silicagel 60 F <sub>254</sub><br>detected by: UV, ninhydrin, chlorine-tolidine |
| Assay (elemental analysis)    | 84.1 % (Nth 20.80 %, Nfd 17.49 %)  |
| Water content (KF volumetric) | 2.9%   |
| Chloride content (IC)         | 11.4(AgNO <sub>3</sub> )   |
| General comment               | product supplied as an hydrochloric salt<br><br>product is hygroscopic   |

Latest update: October 30, 2019

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