

Analytical Data Sheet

Lot number **1068124**
not for drug use

Catalog number **L-2145.0025**
Product number **4034068.0025**
Product **Pyr- Pro- Arg- pNA hydrochloride salt**
Molecular formula **C₂₂H₃₀N₈O₆**
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: October 06, 2016

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