

## Analytical Data Sheet

Lot number **1000002502**  
not for drug use

Catalog number **L-1560.0100**  
Product number **4000768.0100**  
Product **Z- Gly- Pro- Arg- pNA acetate salt**  
Molecular formula  $C_{27}H_{34}N_8O_7$   
Relative molecular mass 582.62

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% pNA < 0.2% Z-Gly-Pro-OH < 0.2% HOSu
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	86.9% (Nth 19.23%, Nfd 16.72%)
Water content (KF volumetric)	3.5%

Latest update: July 05, 2018

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