

Analytical Data Sheet

Lot number **1072268**
not for drug use

Catalog number **L-1560.0025**
Product number **4000768.0025**
Product **Z- Gly- Pro- Arg- pNA acetate salt**
Molecular formula **C₂₇H₃₄N₈O₇**
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
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 methanol/chloroform/ammonia 17% 2/2/1 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	86.9% (Nth 19.23%, Nfd 16.72%)
Water content (KF volumetric)	3.5%

Latest update: June 21, 2017

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