

## Analytical Data Sheet

Lot number **1000028591**  
not for drug use

Catalog number **L-1215.0250**  
Product number **4003575.0250**  
Product **Z- Ala- Pro- pNA**  
Molecular formula  $C_{22}H_{24}N_4O_6$   
Relative molecular mass 440.46

Tests	Results
Appearance	off-white powder
Appearance of solution	clear slightly yellow solution (50 mg/ml in dioxane)
Identification (TLC)	complies with authentic material
Melting point	161 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% pNA
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine -tolidine
Assay (elemental analysis)	99.7% (Nth 12.72 %, Nfd 12.68 %)

Latest update: February 14, 2020

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