

Analytical Data Sheet

Lot number **1000003165**
not for drug use

Catalog number **L-1100.0050**
Product number **4004827.0050**
Product **H- Ala- Ala- Pro- pNA · HCl**
Molecular formula **C₁₇H₂₃N₅O₅ · HCl**
Relative molecular mass **413.86**

Tests	Results
Appearance	slightly yellowish powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (ESI-MS)	m = 376.9u (average mass)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	86.5% (Nth 18.56%, Nfd 16.05%)
Water content (KF volumetric)	0.9%
Residual organic solvents (GC)	2.4% isopropanol 0.8% isopropylether 1.1% ethylacetate
Chloride content (titration)	8.4% (AgNO ₃)

Latest update: July 13, 2018

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