

Analytical Data Sheet

Lot number **1057942**
not for drug use

Catalog number **L-1080.1000**
Product number **4001923.1000**
Product **H- D- Ala- pNA · HCl**
Molecular formula **C₉H₁₁N₃O₃ · HCl**
Relative molecular mass **245.67**

Tests	Results
Appearance	yellow product
Appearance of solution	clear, slightly yellow solution (50 mg/ml in MeOH)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -37.7^\circ$ (1 % in H ₂ O)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 15/4/1 chloroform/methanol/benzene/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)	79.6% (Nth 20.09 %, Nfd 15.99 %)
Water content (KF volumetric)	4.3%
Chloride content (titration)	14.1%