

## Analytical Data Sheet

Lot number **1000013102**  
not for drug use

Catalog number **L-1080.0250**  
Product number **4001923.0250**  
Product **H- D- Ala- pNA · HCl**  
Molecular formula **C<sub>9</sub>H<sub>11</sub>N<sub>3</sub>O<sub>3</sub> · 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 <sub>2</sub> O)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 15/4/1 chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> 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%

Latest update: March 01, 2019

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