

# Analytical Data Sheet

Lot number

**1014670**

not for drug use

<b>Catalog Number</b>	L-1075.0005
<b>Product number</b>	4026954.0005
<b>Product</b>	H- Ala- pNA · HCl
<b>Molecular formula</b>	C <sub>9</sub> H <sub>11</sub> N <sub>3</sub> O <sub>3</sub> · HCl
<b>Relative molecular mass</b>	245.70

Tests	Results
<b>Appearance</b>	yellowish powder
<b>Appearance of solution</b>	clear, slightly yellow solution (50 mg/mL in methanol)
<b>Identification (TLC)</b>	complies with authentic material
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +36.5^\circ$ (1% in water)
<b>Purity (TLC)</b>	> 99%
<b>Related impurities (TLC)</b>	< 0.1% βNA
<b>TLC conditions</b>	chloroform/methanol/acetic acid 32% 5/3/1 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
<b>Assay (elemental analysis)</b>	79.8% (Nth 20.09%, Nfd 16.04%)
<b>Water content (KF volumetric)</b>	3.5%
<b>Chloride content (titration)</b>	14.0%
Latest update: October 24, 2008	