

# Analytical Data Sheet

Lot number

## 1027618

not for drug use

<b>Catalog Number</b>	<b>K-1012.0005</b>
<b>Product number</b>	<b>4025041.0005</b>
<b>Product</b>	<b>H- Ala- βNA</b>
<b>Molecular formula</b>	<b>C<sub>13</sub>H<sub>14</sub>N<sub>2</sub>O</b>
<b>Relative molecular mass</b>	<b>214.27</b>

Tests	Results								
<b>Appearance</b>	off-white powder								
<b>Appearance of solution</b>	clear, slightly colored solution (50 mg/mL in methanol)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 72.9%</td> <td>C = 73.0%</td> </tr> <tr> <td>H = 6.6%</td> <td>H = 6.7%</td> </tr> <tr> <td>N = 13.1%</td> <td>N = 13.1%</td> </tr> </table>	Theory	Found	C = 72.9%	C = 73.0%	H = 6.6%	H = 6.7%	N = 13.1%	N = 13.1%
Theory	Found								
C = 72.9%	C = 73.0%								
H = 6.6%	H = 6.7%								
N = 13.1%	N = 13.1%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	103 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -4.5^\circ$ (1% in methanol)								
<b>Purity (TLC)</b>	> 99%								
<b>Related impurities (TLC)</b>	< 0.1% βNA								
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 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>	100.2% (Nth 13.07%, Nfd 13.09%)								
Latest update: November 17, 2009	<b>Analytical Data Sheet</b> Lot number <b>1027618</b>								