

# Analytical Data Sheet

Lot number

## 1034712

not for drug use

<b>Catalog Number</b>	<b>L-1210.0250</b>
<b>Product number</b>	<b>4003854.0250</b>
<b>Product</b>	<b>Z- Ala- Ala- Leu- pNA</b>
<b>Molecular formula</b>	<b>C<sub>26</sub>H<sub>33</sub>N<sub>5</sub>O<sub>7</sub></b>
<b>Relative molecular mass</b>	<b>527.58</b>

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in CHCl <sub>3</sub> : MeOH (1:1))								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 59.2 %</td> <td>C = 59.3 %</td> </tr> <tr> <td>H = 6.3 %</td> <td>H = 6.3 %</td> </tr> <tr> <td>N = 13.3 %</td> <td>N = 13.2 %</td> </tr> </table>	Theory	Found	C = 59.2 %	C = 59.3 %	H = 6.3 %	H = 6.3 %	N = 13.3 %	N = 13.2 %
Theory	Found								
C = 59.2 %	C = 59.3 %								
H = 6.3 %	H = 6.3 %								
N = 13.3 %	N = 13.2 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	210 °C								
<b>Specific optical rotation</b>	[α] <sub>D</sub> <sup>24</sup> = - 58.5 ° (1 % in methanol)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid/H <sub>2</sub> O 85/13/0.5/1.5 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol 8/2 plate : silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, IRH								
<b>Assay (elemental analysis)</b>	99.6% (Nth 13.27 %, Nfd 13.22 %)								
Latest update: February 01, 2011	<b>Analytical Data Sheet</b> Lot number <b>1034712</b>								