

# Analytical Data Sheet

Lot number

## 1019389

not for drug use

<b>Catalog Number</b>	K-1225.0005
<b>Product number</b>	4030540.0005
<b>Product</b>	(H- Cys- βNA) <sub>2</sub> (Disulfide bond)
<b>Molecular formula</b>	C <sub>26</sub> H <sub>26</sub> N <sub>4</sub> O <sub>2</sub> S <sub>2</sub>
<b>Relative molecular mass</b>	490.65

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in acetic acid 80 %)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 63.65 %</td> <td>C = 63.96 %</td> </tr> <tr> <td>H = 5.34 %</td> <td>H = 5.47 %</td> </tr> <tr> <td>N = 11.42 %</td> <td>N = 11.50 %</td> </tr> </table>	Theory	Found	C = 63.65 %	C = 63.96 %	H = 5.34 %	H = 5.47 %	N = 11.42 %	N = 11.50 %
Theory	Found								
C = 63.65 %	C = 63.96 %								
H = 5.34 %	H = 5.47 %								
N = 11.42 %	N = 11.50 %								
<b>Melting point</b>	172 °C								
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Water content (KF volumetric)</b>	0.2%								
Latest update: October 15, 2008	<b>Analytical Data Sheet</b> Lot number 1019389								