

# Analytical Data Sheet

Lot number

**1028905**

not for drug use

<b>Catalog Number</b>	<b>E-2380.0250</b>
<b>Product number</b>	<b>4011703.0250</b>
<b>Product</b>	<b>(H- Cys- NH<sub>2</sub>)<sub>2</sub> · 2 HCl (Disulfide bond)</b>
<b>Molecular formula</b>	<b>C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub> · 2 HCl</b>
<b>Relative molecular mass</b>	<b>311.26</b>

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (5 % in H <sub>2</sub> O)
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	237 °C (decomposition)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	68 % (Nth 23.51 %, Nfd 15.77 %)
<b>Chloride content (titration)</b>	20.3%
<b>General comment</b>	the product contains H <sub>2</sub> O
Latest update: February 02, 2010	<b>Analytical Data Sheet</b> Lot number <b>1028905</b>