

# Analytical Data Sheet

Lot number

**0557449**

not for drug use

**Catalog Number**

**H-9585.0500**

**Product number**

**4030388.0500**

**Product**

**Bactenecin**

H- Arg- Leu- Cys- Arg- Ile- Val- Val- Ile- Arg- Val-  
Cys- Arg- OH  
(Disulfide bond)

**Molecular formula**

$C_{63}H_{118}N_{24}O_{13}S_2$

**Relative molecular mass**

1483.92

Tests	Results
<p><b>Amino acid analysis</b></p>	<p>Cys* 0.6 (2) Ile** 0.2 (2) Arg° 1.7 (4) Val** 1.0 (3) Leu 1.0 (1)</p> <p>* Cys was partially destroyed during hydrolysis ** Ile-Val-Val-Ile hydrophobic stretch requires a lengthened hydrolysis time ° Arg result appears low, however the Mass Analysis is correct</p>
<p><b>Solubility</b></p>	<p>at least 1 mg/ml in 0.1 % TFA in H<sub>2</sub>O with agitation</p>
<p><b>Purity (HPLC)</b></p>	<p>&gt; 98%</p>
<p><b>Peptide content</b></p>	<p>76%</p>
<p><b>General comment</b></p>	<p>MS: as expected</p>
<p>Latest update: October 25, 2008</p>	<p><b>Analytical Data Sheet</b> Lot number <b>0557449</b></p>