

## Analytical Data Sheet

Lot number **1071330**  
not for drug use

**Catalog number** H-8256.0100  
**Product number** 4034693.0100  
**Product**  $\beta$ - Defensin 2 (human) trifluoroacetate salt  
 H- Gly- Ile- Gly- Asp- Pro- Val- Thr- Cys- Leu- Lys- Ser-  
 Gly- Ala- Ile- Cys- His- Pro- Val- Phe- Cys- Pro- Arg-  
 Arg- Tyr- Lys- Gln- Ile- Gly- Thr- Cys- Gly- Leu- Pro-  
 Gly- Thr- Lys- Cys- Cys- Lys- Lys- Pro- OH  
 trifluoroacetate salt  
 (Disulfide bonds, air oxidized)  
**Molecular formula** C<sub>188</sub>H<sub>305</sub>N<sub>55</sub>O<sub>50</sub>S<sub>6</sub>  
**Relative molecular mass** 4328.23

Tests	Results
<b>Appearance</b>	white powder
<b>Identification (MALDI-MS)</b>	m = 4328.7u
<b>Amino acid analysis</b>	Asx 1.1 (1) Gly 6.0 (6) Leu 2.0 (2) Arg 2.0 (2) Thr 3.1 (3) Ala 1.0 (1) Tyr 1.0 (1) Ser 1.0 (1) Cys* 0.0 (6) Phe 1.0 (1) Glx 1.0 (1) Val 2.1 (2) His 1.0 (1) Pro 5.0 (5) Ile 2.8 (3) Lys 5.0 (5)  * partially destroyed during acid hydrolysis
<b>Solubility</b>	soluble in 50% acetic acid at 1mg/mL
<b>Purity (HPLC)</b>	98.0%
<b>Assay (AAA)</b>	77.4%

Latest update: April 27, 2017

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