

Analytical Data Sheet

Lot number **1071331**
not for drug use

Catalog number H-8256.0500
Product number 4034693.0500
Product β - 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 C₁₈₈H₃₀₅N₅₅O₅₀S₆
Relative molecular mass 4328.23

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	m = 4328.7u
Amino acid analysis	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
Solubility	soluble in 50% acetic acid at 1mg/mL
Purity (HPLC)	98.0%
Assay (AAA)	77.4%

Latest update: April 27, 2017

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