

Analytical Data Sheet

Lot number

1000014212

not for drug use

Catalog number

H-5926.0500

Product number

4040671.0500

Product

Hepcidin- 25 (human) trifluoroacetate salt

H- Asp- Thr- His- Phe- Pro- Ile- Cys- Ile- Phe- Cys- Cys- Gly- Cys- Cys- His- Arg- Ser- Lys- Cys- Gly- Met- Cys- Cys- Lys- Thr- OH trifluoroacetate salt
(Disulfide bonds between Cys⁷ and Cys²³/Cys¹⁰ and Cys¹³/Cys¹¹ and Cys¹⁹/Cys¹⁴ and Cys²²)

Molecular formula

C₁₁₃H₁₇₀N₃₄O₃₁S₉

Relative molecular mass

2789.40

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	2789.12
Amino acid analysis	Asx 1.06 (1) Cys** 0.33 (8) Lys 2.13 (2) Thr 2.30 (2) Met** 0.79 (1) Arg 1.03 (1) Ser 0.96 (1) Ile 1.75 (2) Pro* 3.80 (1) Phe 1.79 (2) Gly 2.21 (2) His 2.03 (2) *Proline value high due to the incorporation of cysteine **Partially destroyed during acid hydrolysis
Solubility	soluble in 1% Acetic acid at 1mg/mL
Purity (HPLC)	96.1%
Assay (AAA)	78.5%

Latest update: March 27, 2019

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