

Analytical Data Sheet

Lot number **1000021481**
not for drug use

Catalog number **H-5926.1000**

Product number **4040671.1000**

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 $C_{113}H_{170}N_{34}O_{31}S_9$

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: September 16, 2019

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