

## Analytical Data Sheet

Lot number

**1075745**

not for drug use

Catalog number

**H-6674.0500**

Product number

**4056950.0500**

Product

**Biotinyl- Hepcidin- 25 (human) trifluoroacetate salt**  
 Biotinyl- 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 Cys<sup>7</sup> and Cys<sup>23</sup>/Cys<sup>10</sup> and  
 Cys<sup>13</sup>/Cys<sup>11</sup> and Cys<sup>19</sup>/Cys<sup>14</sup> and Cys<sup>22</sup>)

Molecular formula

C<sub>123</sub>H<sub>184</sub>N<sub>36</sub>O<sub>33</sub>S<sub>10</sub>

Relative molecular mass

3015.70

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	m= 3015.9u
Amino acid analysis	Asx 1.0(1) Gly 2.2(2) Phe 1.7(2) Pro** 1.9(1) Ile 1.8(2) Arg 1.0(1) Met* 0.7(1) Lys 2.1(2) His 2.1(2) Ser 1.0(1) Thr 2.2(2) Cys* 0.2(8)  * partially destroyed during acid hydrolysis ** Proline value high due to the incorporation of Cys
Solubility	soluble in 0.1% TFA in acetonitrile / water
Purity (HPLC)	> 96%
Assay (AAA)	89.1%

Latest update: February 21, 2018

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