

Analytical Data Sheet

Lot number	1000054757 not for drug use
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 ⁷ and Cys ²³ /Cys ¹⁰ and Cys ¹³ /Cys ¹¹ and Cys ¹⁹ /Cys ¹⁴ and Cys ²²)
Product number	4056950.1000
Molecular formula	C ₁₂₃ H ₁₈₄ N ₃₆ O ₃₃ S ₁₀
Relative molecular mass	3015.70

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