

Analytical Data Sheet

Lot number	1000036378 not for drug use
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 Cys ⁷ and Cys ²³ /Cys ¹⁰ and Cys ¹³ /Cys ¹¹ and Cys ¹⁹ /Cys ¹⁴ and Cys ²²)
Product number	4040671.0100
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)	2789.34
Amino acid analysis	Asx 1.04 (1) Met* 0.28 (1) Thr 3.10 (2) Ile 1.83 (2) Ser 1.01 (1) Phe 1.92 (2) Pro 1.00 (1) His 1.99 (2) Gly 2.09 (2) Lys 2.12 (2) Cys* 2.06 (8) Arg 1.00 (1) * Partially destroyed during aci hydrolysis
Solubility	soluble in 1% Acetic Acid in 1 mg/mL
Purity (HPLC)	95.0%
Assay (AAA)	79.2%
Date of manufacture	January 20, 2016