

Analytical Data Sheet

Lot number	1000053373 not for drug use
Product	C-Type Natriuretic Peptide (1-53) (human) acetate salt H-Asp-Leu-Arg-Val-Asp-Thr-Lys-Ser-Arg-Ala-Ala-Trp-Ala-Arg-Leu-Leu-Gln-Glu-His-Pro-Asn-Ala-Arg-Lys-Tyr-Lys-Gly-Ala-Asn-Lys-Lys-Gly-Leu-Ser-Lys-Gly-Cys-Phe-Gly-Leu-Lys-Leu-Asp-Arg-Ile-Gly-Ser-Met-Ser-Gly-Leu-Gly-Cys-OH acetate salt (Disulfide bond)
Product number	4095913.1000
Molecular formula	C ₂₅₁ H ₄₁₇ N ₈₁ O ₇₁ S ₃
Relative molecular mass	5801.77

Tests	Results
Appearance	white powder
Identification (ESI-MS)	m = 5801.68u
Amino acid analysis	Ala 5.3 (5) Lys 7.0 (7) Arg 4.9 (5) Met 1.0 (1) Asx 5.2 (5) Phe 1.0 (1) Cys 1.7 (2) Pro 1.0 (1) Glx 2.0 (2) Ser 3.8 (4) Gly 7.3 (7) Thr 1.0 (1) His 1.0 (1) *Trp 0.0 (1) Ile 1.0 (1) Tyr 1.0 (1) Leu 7.7 (7) Val 1.0 (1) * Trp was completely destroyed during acid hydrolysis
Solubility	1 mg/mL in water
Purity (HPLC)	96.3%
Peptide content	84.3%