

Analytical Data Sheet

Lot number **1000010778**
not for drug use

Catalog number H-6995.0001
Product number 4040254.0001
Product Endothelin- 1 (human, bovine, dog, mouse, porcine, rat) acetate salt
 H- Cys- Ser- Cys- Ser- Ser- Leu- Met- Asp- Lys- Glu- Cys- Val- Tyr- Phe- Cys- His- Leu- Asp- Ile- Ile- Trp- OH acetate salt
 (Disulfide bonds between Cys¹ and Cys¹⁵/Cys³ and Cys¹¹)
Molecular formula C₁₀₉H₁₅₉N₂₅O₃₂S₅
Relative molecular mass 2491.94

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (1 mg/ml in AcOH 5 %)
Identification (ESI-MS)	m = 2491.7u (average mass)
Amino acid analysis	Asx 2.0 (2) Tyr 0.9(1) Leu 2.0(2) Ser 2.4 (3) Val 0.8(1) Phe 1.0(1) Glx 1.0 (1) Met 0.9(1) His 0.9 (1) Lys 1.2(1) Cyss* 1.7(??) Ile** 1.0(2) *Cys detected as Cyss (1.73) = 2 x 1.73 = 3.46 Cys **Ile-Ile bond hydrolyses only partially, Ile-Ile peak at RT 37 min
Purity (HPLC)	91.90% (TFA)
Assay (elemental analysis)	90.5% (Nth 14.05 %, Nfd 12.71 %)

Latest update: January 15, 2019

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