

Analytical Data

Code: 4360-s

Compound: Endothelin-1 (1-31) (Human)

Cys-Ser-Cys-Ser-Ser-Leu-Met-Asp-Lys-Glu-Cys-Val-Tyr-
Phe-Cys-His-Leu-Asp-Ile-Ile-Trp-Val-Asn-Thr-Pro-Glu-
His-Val-Val-Pro-Tyr

(M. W. 3628.16) C₁₆₂ H₂₃₆ N₃₈ O₄₇ S₅

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -111.2° (c 0.1, 1% AcOH)

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl with thioglycolic acid, 110 °C, 22h.
*6N HCl 150 °C, 4h.

Asp (3)3.00	Thr (1)0.94	Ser (3)2.37	Glu (2)1.94
Pro (2)1.95	Cys (4)4.10	Val (4)3.94*	Met (1)0.97
Ile (2)1.78*	Leu (2)1.96	Tyr (2)1.95	Phe (1)1.03
His (2)1.95	Lys (1)1.03	NH ₃ (1)2.30	Trp (1)0.78

Mass Spectral Analysis : Exhibits correct MW

Sample : 4360-s Endothelin-1 (1-31) (Human)
Sample Size : 0.8 μ L (0.1 mg/ 20 μ L- 1M AcOH)
Column : YMC Pack ODS-A S-3 μ m (4.6 mm I.D. $\times$ 150 mm) #0415227716(W) + G (4 $\times$ 10 mm)
Eluent : 0.1M NaCl (pH 2.4)
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 167 kg/cm² , ; Temp. : 25°C
Detection : CH.1 210 nm

