

Analytical Data

Code: 4434-s

Compound: Hepcidin 1 (Mouse)

Asp-Thr-Asn-Phe-Pro-Ile-Cys-Ile-Phe-Cys-Cys-Lys-Cys-Cys-
Asn-Asn-Ser-Gln-Cys-Gly-Ile-Cys-Cys-Lys-Thr

(M. W. 2754.24) C₁₁₁ H₁₆₉ N₃₁ O₃₅ S₈

Appearance : White amorphous powder

*** Elemental Analysis**

Found C, 44.71 ; H, 6.38 ; N, 13.83 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6M HCl, 110°C, 22h.

| | | | |
|-------------|-------------|-------------------------|-------------|
| Asp (4)3.95 | Thr (2)1.90 | Ser (1)0.87 | Glu (1)0.99 |
| Pro (1)1.01 | Gly (1)0.99 | 1/2Cystine (8)7.12 | Ile (3)2.81 |
| Phe (2)2.07 | Lys (2)2.00 | NH ₃ (4)4.50 | |

*** Mass Spectral Analysis** : Exhibits correct MW

Sample : 4434-s Hepcidin 1 (Mouse)
Sample Size : 1.2 μ L (0.12 mg/ 24 μ L- 1% AcOH)
Column : YMC-Pack ODS-A S-3 μ m(4.6 mm I.D. \times 150 mm) #0415227716 + G(4 \times 10 mm)
Eluent : 0.1M NaCl (pH 2.4)
Gradient : Acetonitrile 10% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 119 kg/cm² , ; Temp. : 50°C
Detection : CH.1 210 nm

