

## 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) C<sub>111</sub> H<sub>169</sub> N<sub>31</sub> O<sub>35</sub> S<sub>8</sub>

---

**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 <sub>3</sub> (4)4.50	

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

---

Sample : 4434-s Hepcidin 1 (Mouse)  
Sample Size : 1.2  $\mu$ L ( 0.12 mg/ 24  $\mu$ L- 1% AcOH )  
Column : YMC-Pack ODS-A S-3  $\mu$ 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/cm<sup>2</sup> , ; Temp. : 50°C  
Detection : CH.1 210 nm

