

Analytical Data

Code: 4373-s

Compound: Ghrelin (Rat) (Trifluoroacetate Form)
Gly-Ser-Ser(n-Octanoyl)-Phe-Leu-Ser-Pro-Glu-His-Gln-
Lys-Ala-Gln-Gln-Arg-Lys-Glu-Ser-Lys-Lys-Pro-Pro-Ala-
Lys-Leu-Gln-Pro-Arg

(M. W. 3314.79) C₁₄₇ H₂₄₅ N₄₅ O₄₂

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -130.4° (c* 0.17, H₂O)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 43.90 ; H, 6.09 ; N, 13.85 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Ser (4)3.50	Glu (6)5.92	Pro (4)4.02	Gly (1)0.99
Ala (2)1.99	Leu (2)2.00	Phe (1)0.98	His (1)0.99
Lys (5)4.91	NH ₃ (4)4.52	Arg (2)1.99	

Mass Spectral Analysis : Exhibits correct MW

Sample : 4373-s Ghrelin (Rat)
Sample Size : 1.2 μ L (0.1 mg/ 20 μ L- 1% AcOH)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150 mm) #0415227716(W) + G(4 \times 10mm)
Eluent : 0.1M NaCl (pH 2.4)
Gradient : Acetonitrile 10% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 133 kg/cm² , ; Temp. : 40°C
Detection : CH.1 210 nm

