

Analytical Data

Code: 4372-s

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

(M. W. 3370.86) C₁₄₉H₂₄₉N₄₇O₄₂

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -144.7° (c* 0.08, H₂O)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 42.62 ; H, 5.95 ; N, 13.77 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

| | | | |
|-------------|-------------|-------------------------|-------------|
| Ser (4)3.38 | Glu (6)5.98 | Pro (4)4.05 | Gly (1)1.01 |
| Ala (1)0.99 | Val (1)1.00 | Leu (2)2.01 | Phe (1)0.97 |
| His (1)1.01 | Lys (4)3.97 | NH ₃ (4)4.75 | Arg (3)3.00 |

Sample : 4372-s Ghrelin (Human)
Sample Size : 1.2 μ L (0.11 mg/22 μ L-1% AcOH)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150 mm) #0415227715 + 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. : 128 kg/cm² , ; Temp. : 40°C
Detection : CH. 1 210 nm

