

Analytical Data

Code: 4427-s

Compound: Neuromedin S (Rat)

Leu-Pro-Arg-Leu-Leu-His-Thr-Asp-Ser-Arg-Met-Ala-Thr-
Ile-Asp-Phe-Pro-Lys-Lys-Asp-Pro-Thr-Thr-Ser-Leu-Gly-
Arg-Pro-Phe-Phe-Leu-Phe-Arg-Pro-Arg-Asn-NH₂

(M. W. 4241.92) C₁₉₃ H₃₀₇ N₅₇ O₄₉ S₁

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -111.9° (c* 0.14, H₂O)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 48.92 ; H, 7.42 ; N, 15.78 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Asp (4)4.00	Thr (4)3.78	Ser (2)1.80	Gly (1)1.01
Ala (1)1.00	Met (1)0.96	Ile (1)1.01	Leu (5)5.00
Phe (4)4.00	His (1)1.00	Lys (2)2.00	NH ₃ (2)2.36
Arg (5)5.01	Pro (5)5.06		

Mass Spectral Analysis : Exhibits correct MW

Sample : 4427-s Neuromedin S (Rat)
Sample Size : 1.0 μ L (0.1 mg/ 20 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. : 161 kg/cm², ; Temp. : 25°C
Detection: CH.1 210 nm

