

Analytical Data

Code: 4421-s

Compound: Adrenomedullin 2/Intermedin (Human)

Thr-Gln-Ala-Gln-Leu-Leu-Arg-Val-Gly-Cys-Val-Leu-Gly-Thr-
Cys-Gln-Val-Gln-Asn-Leu-Ser-His-Arg-Leu-Trp-Gln-Leu-Met-
Gly-Pro-Ala-Gly-Arg-Gln-Asp-Ser-Ala-Pro-Val-Asp-Pro-Ser-
Ser-Pro-His-Ser-Tyr-NH₂

(M. W. 5100.73) C₂₁₉ H₃₄₉ N₆₉ O₆₆ S₃

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -122.7 ° (c* 0.19, H₂O)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 46.75 ; H, 7.05 ; N, 16.71 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl with thioglycolic acid, 110°C, 22h.

Asp (3)3.11	Thr (2)1.81	Ser (5)4.54	Glu (6)6.02
Pro (4)3.87	Gly (4)4.02	Ala (3)3.00	Cys (2)1.61
Val (4)3.87	Met (1)0.99	Leu (6)6.03	Tyr (1)0.99
His (2)1.99	NH ₃ (8)10.8	Trp (1)0.84	Arg (3)2.96

Mass Spectral Analysis : Exhibits correct MW

Sample : 4421-s Adrenomedullin 2 / Intermedin (Human)
Sample Size : 0.8 μ L (0.11 mg/ 22 μ L- 1% AcOH)
Column : YMC Pack ODS-A S-3 μ m (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. : 172 kg/cm², ; Temp. : 25°C
Detection : CH.1 210 nm

