

## Analytical Data

---

**Code:** 4325-v

**Compound:** Adrenomedullin (Human,1-25)  
Tyr-Arg-Gln-Ser-Met-Asn-Asn-Phe-Gln-Gly-Leu-Arg-Ser-Phe-  
Gly-Cys-Arg-Phe-Gly-Thr-Cys-Thr-Val-Gln-Lys

(M. W. 2927.30) C<sub>125</sub> H<sub>192</sub> N<sub>40</sub> O<sub>36</sub> S<sub>3</sub>

---

**Appearance** : White amorphous powder

**\* Specific Optical Rotation**

$[\alpha]_D^{25}$  -59.4 ° (c\* 0.18, 1% AcOH )

\* c value was calculated from the net peptide weight.

**\* Elemental Analysis**

Found C, 47.68 ; H, 6.64 ; N, 17.08 %

**\* Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Asp (2)1.99	Thr (2)1.86	Ser (2)1.77	Glu (3)2.97
Gly (3)3.03	1/2Cystine (2)1.87	Val (1)1.05	Met (1)0.98
Leu (1)0.99	Tyr (1)0.94	Phe (3)2.99	Lys (1)0.99
NH <sub>3</sub> (5)5.14	Arg (3)3.00		

**Thin Layer Chromatography** : A trace of sulfoxide derivative is detected.

Cellulose Layer

Application : 50 μg

Solvent System : n-BuOH:AcOH:H<sub>2</sub>O:pyridine=15:3:12:10

Located by ninhydrin and Pauly reagent

**Mass Spectral Analysis** : Exhibits correct MW

---

Sample : 4325-v Adrenomedullin (Human, 1-25)  
Sample Size : 0.5  $\mu$ L ( 0.54 mg/ 54  $\mu$ L-1% AcOH )  
Column : YMC-Pack ODS-A (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. : 170 kg/cm<sup>2</sup> , ; Temp : 25°C  
Detection : CH.1 210 nm

