

## Analytical Data

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**Code:** 4339-v

**Compound:** PAMP-12 (Human)

Phe-Arg-Lys-Lys-Trp-Asn-Lys-Trp-Ala-Leu-Ser-Arg-NH<sub>2</sub>

(M. W. 1618.93) C<sub>77</sub> H<sub>119</sub> N<sub>25</sub> O<sub>14</sub>

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**Appearance** : White amorphous powder

**\* Specific Optical Rotation**

$[\alpha]_D^{24}$  -62.2° (c\* 0.18, H<sub>2</sub>O)

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

**\* Elemental Analysis**

Found C, 52.22 ; H, 7.42 ; N, 16.96 %

**Amino Acid Analysis**

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

Asp (1)0.97 Ser (1)0.84 Ala (1)1.03 Leu (1)1.00

Phe (1)0.96 Lys (3)3.01 NH<sub>3</sub> (2)1.95 Trp (2)1.81

Arg (2)1.96

**Thin Layer Chromatography** : Single spot

Cellulose Layer

Application : 50 μg

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

Located by ninhydrin reagent

**Mass Spectral Analysis** : Exhibits correct MW

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Sample : 4339-v PAMP-12(Human)  
Sample Size : 0.2  $\mu$ L(0.51 mg/51  $\mu$ 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. : 162 kg/cm<sup>2</sup>, ; Temp. : 25°C  
Detection : CH.1 210 nm

