

## Analytical Data

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**Code:** 3237-v

**Compound:** Nma-His-Pro-Lys(Dnp) (Trifluoroacetate Form)

(M. W. 679.68)  $C_{31}H_{37}N_9O_9$

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**Appearance** : Yellow amorphous powder

**\* Specific Optical Rotation**

$[\alpha]_D^{20}$  -45.5 ° (c\* 0.07, 50%AcOH)

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

**\* Elemental Analysis**

Found C, 45.87 ; H, 4.36 ; N, 13.89 %

**\* Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Pro (1)1.05 His (1)1.00

**Thin Layer Chromatography** : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100  $\mu$ g

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

Located by iodine and HBr/ninhydrin reagent

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Sample : 3237-v Nma-His-Pro-Lys(Dnp)  
Sample Size : 0.5  $\mu$ L ( 1.1 mg/ 110  $\mu$ L-50% AcOH )  
Column : YMC Pack ODS-A (4.6 mm I.D.  $\times$  150 mm) #0415227557 + G(4  $\times$  10 mm)  
Eluent : 10 mM K-Pi (pH2.6) + 50 mM Na2SO4  
Gradient : Acetonitrile 20% to 60% [25 min.]  
Flow Rate : 1.0 mL/min. , ; Press. : 119 kg/cm2 , ; Temp. : 25°C  
Detection : CH.1 210 nm

