

## Analytical Data

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**Code:** 3230-v

**Compound:** Abz-Ala-Pro-Glu-Glu-Ile-Met-Arg-Arg-Gln-EDDnp  
[Trifluoroacetate Form]

(M. W. 1456.59)  $C_{61}H_{93}N_{21}O_{19}S_1$

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**Appearance** : Yellow amorphous powder

**\* Specific Optical Rotation**

$[\alpha]_D^{20}$  -96.1 ° (c\* 0.1, 1% AcOH)

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

**\* Elemental Analysis**

Found C, 43.81 ; H, 5.48 ; N, 15.93 %

**\* Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Glu (3)2.93	Pro (1)1.03	Ala (1)1.00	Met (1)0.94
Ile (1)0.99	NH <sub>3</sub> (1)1.16	Arg (2)2.00	

**Thin Layer Chromatography** : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μg

Solvent System : n-BuOH:AcOH:H<sub>2</sub>O:pyridine=15:3:12:10  
n-BuOH:AcOH:H<sub>2</sub>O=2:1:1

Located by iodine and HBr/ninhydrin reagent

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Sample : 3230-v Abz-Ala-Pro-Glu-Glu-Ile-Met-Arg-Arg-Gln-EDDnp  
Sample Size : 0.6  $\mu$ L ( 0.52 mg/ 52  $\mu$ L-H<sub>2</sub>O)  
Column : YMC Pack ODS-A (4.6 mm I.D.  $\times$  150 mm) #0415227557 + G(4  $\times$  10 mm)  
Eluent : 10 mM K-Pi (pH 2.6) + 50 mM Na<sub>2</sub>SO<sub>4</sub>  
Gradient : Acetonitrile 20% to 60% [25 min.]  
Flow Rate : 1.0 mL/min. , ; Press. : 79 kg/cm<sup>2</sup> , ; Temp. : 40°C  
Detection : CH. 1 210 nm

