

## Analytical Data

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**Code:** 4477-s

**Compound:** Phytosulfokine  
Tyr(SO<sub>3</sub>H)-Ile-Tyr(SO<sub>3</sub>H)-Thr-Gln (Ammonium Form)

(M. W. 846.88) C<sub>33</sub> H<sub>46</sub> N<sub>6</sub> O<sub>16</sub> S<sub>2</sub>

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**Appearance** : White amorphous powder

**\* Elemental Analysis**

Found C, 42.38 ; H, 6.06 ; N, 11.71 %

**\* Amino Acid Analysis**

Acid Hydrolysis: 6M HCl with phenol, 110 °C, 22h.

Thr (1)0.96 Glu (1)1.00 Ile (1)0.95 Tyr (2)1.97

NH<sub>3</sub> (1)2.70

**\* Mass Spectral Analysis** : Exhibits correct MW

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Sample : 4477-s Phytosulfokine  
Sample Size : 0.6  $\mu$ L ( 0.1 mg/ 20  $\mu$ L- 0.1N NH<sub>4</sub>OH )  
Column : Imtakt Cadenza CD-C18 3  $\mu$ m (4.6 mm I.D.  $\times$  150 mm) #XI02HEQ  
Eluent : 0.1 M NaCl (pH 2.4)  
Gradient : Acetonitrile 1% to 60% [25 min.]  
Flow Rate : 1.0 mL/min. , ; Press. : 125 kg/cm<sup>2</sup>, ; Temp. : 25°C  
Detection : CH.1 210 nm

