

## Analytical Data

---

**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>

---

**Appearance** : White amorphous powder

**\* Specific Optical Rotation**

$$[\alpha]_D^{20} -25.1^\circ \quad (c^* 0.12, \text{H}_2\text{O})$$

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

**\* Elemental Analysis**

Found C, 43.77 ; H, 5.86 ; N, 11.79 %

**\* Amino Acid Analysis**

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

Thr (1)0.96            Glu (1)1.00            Ile (1)0.97            Tyr (2)1.98  
NH<sub>3</sub> (1)2.88

**Mass Spectral Analysis** : Exhibits correct MW

---

Sample : 4477-s Phytosulfokine  
Sample Size : 0.5  $\mu$ L ( 0.12 mg/ 24  $\mu$ L- 0.1N NH<sub>4</sub>OH )  
Column : YMC Pack ODS-A S-3 $\mu$ m (4.6 mm I.D.  $\times$  150 mm) #0415227716(W) + G (4 $\times$ 10 mm)  
Eluent : 0.1 M NaCl (pH 2.4)  
Gradient : Acetonitrile 1% to 60% [25 min.]  
Flow Rate : 1.0 mL/min. , ; Press. : 159 kg/cm<sup>2</sup>, ; Temp. : 25 $^{\circ}$ C  
Detection : CH.1 210 nm

