

Analytical Data

Code: 4450-s

Compound: ProTx-II

Tyr-Cys-Gln-Lys-Trp-Met-Trp-Thr-Cys-Asp-Ser-Glu-Arg-

Lys-Cys-Cys-Glu-Gly-Met-Val-Cys-Arg-Leu-Trp-Cys-Lys-

Lys-Lys-Leu-Trp

(Disulfide Bonds between Cys2-Cys16, Cys9-Cys21, Cys15-Cys25)

(M. W. 3826.59) C₁₆₈ H₂₅₀ N₄₆ O₄₁ S₈

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -21.9° (c 0.14, 1% AcOH)

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

* with thioglycolic acid

Asp (1) 1.02 Thr (1) 0.87 Ser (1) 0.89 Glu (3) 3.01

Gly (1) 1.01 Cys (6) 5.62* Val (1) 1.00 Met (2) 1.89

Leu (2) 2.01 Tyr (1) 1.02 Lys (5) 4.94 NH₃ (1) 1.44

Trp (4) 3.34* Arg (2) 2.00

Mass Spectral Analysis : Exhibits correct MW

Sample : 4450-s ProTx-II
Sample Size : 1.2 μ L (0.1 mg/ 20 μ L- 1% AcOH)
Column : YMC Pack ODS-A S-3 μ m (4.6 mm I.D. $\times$ 150 mm) #0415227716(W) + 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. : 170 kg/cm² , ; Temp. : 25°C
Detection : CH.1 210 nm

