

Analytical Data

Code: 4388-s

Compound: Stresscopin-Related Peptide (Human) (Hydrochloride Form)

His-Pro-Gly-Ser-Arg-Ile-Val-Leu-Ser-Leu-Asp-Val-Pro-Ile-
Gly-Leu-Leu-Gln-Ile-Leu-Leu-Glu-Gln-Ala-Arg-Ala-Arg-Ala-
Ala-Arg-Glu-Gln-Ala-Thr-Thr-Asn-Ala-Arg-Ile-Leu-Ala-Arg-
Val-NH₂

(M. W. 4687.46) C₂₀₅ H₃₅₈ N₆₈ O₅₇

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20} -99.4^\circ$ (c* 0.13, H₂O)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 47.29 ; H, 7.50 ; N, 18.04 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h. * 6N HCl, 150°C, 3h.

Asp (2)2.00	Thr (2)1.88	Ser (2)1.78	
Pro (2)2.00	Gly (2)2.04	Ala (7)6.94	Glu (5)4.98
Ile (4)3.73*	Leu (7)7.06	His (1)1.00	Val (3)2.84*
Arg (6)5.95			NH ₃ (5)5.71

Mass Spectral Analysis : Exhibits correct MW

Sample : 4388-s Stresscopin-Related peptide (Human)
Sample Size : 2.0 μ L(0.11 mg/22 μ L-H₂O)
Column : YMC-Pack ODS-A (4.6 mm I.D. \times 150 mm) #0415227715 + G(4 \times 10 mm)
Eluent : 0.1M NaCl (pH 2.4)
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 167 kg/cm² , ; Temp. : 25°C
Detection : CH. 1 210 nm

