

Analytical Data

Code: 4171

Compound: Fibronectin Active Fragment (RGDS)

Arg-Gly-Asp-Ser

(M. W. 433.42) $C_{15}H_{27}N_7O_8$

Appearance : White amorphous powder

Specific Optical Rotation

$[\alpha]_D^{18} +5.72^\circ$ (c* 0.52, 1% AcOH)

* c value was calculated from the net peptide weight.

Elemental Analysis

Found C, 39.34 ; H, 6.75 ; N, 20.67 %

Amino Acid Analysis

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Asp (1)1.00 Ser (1)0.91 Gly (1)1.00 Arg (1)1.00

Thin Layer Chromatography : Single spot

Cellulose Layer

Application : 50 μ g

Solvent System : n-BuOH:AcOH:H₂O:pyridine=15:3:12:10

Located by ninhydrin

Mass Spectral Analysis : Exhibits correct MW

Sample : 4171 Fibronectin active Fragment (RGDS)
Sample Size : 5.0 μ L (0.90 mg/ 90 μ L- H2O)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150 mm) #0415227747(W) + G(4x10mm)
Eluent : 0.1 % TFA
Gradient : Acetonitrile 0 % to 0 % [5 min.] to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 88 kg/cm², ; Temp. : 25°C
Detection : CH.1 220 nm

