

Analytical Data

Code: 4307-v

Compound: Amyloid β -Protein (Human, 1-40) (Trifluoroacetate Form)
Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-
Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-
Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val
(M. W. 4329.80) C₁₉₄ H₂₉₅ N₅₃ O₅₈ S

Appearance : White amorphous powder

*** Elemental Analysis**

Found C, 47.47 ; H, 5.80 ; N, 13.99 %

*** Amino Acid Analysis**

Acid Hydrolysis:

6N HCl, 110°C, 22h. *concHCl:TFA:H₂O=2:1:1, 150°C, 4h.

Asp (4) 4.03	Ser (2) 1.75	Glu (4) 3.99	Gly (6) 5.85
Ala (3) 3.00	Val (6) 5.90*	Met (1) 0.90	Ile (2) 1.79*
Leu (2) 2.00	Tyr (1) 0.92	Phe (3) 2.97	His (3) 2.91
Lys (2) 2.02	NH ₃ (2) 2.41	Arg (1) 0.99	

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

Sample : 4307-v Amyloid β -Protein (Human, 1-40)
Sample Size : 0.5 μ L (0.5 mg/ 50 μ L- DMSO)
Column : YMC Pack ODS-A S-3 μ m (4.6 mm I.D. \times 150 mm) #0415227716(W) + G(4 \times 10mm)
Eluent : 0.1M NaCl (pH 2.4)
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 126 kg/cm² , ; Temp. : 45 $^{\circ}$ C
Detection : CH.1 210 nm

