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Analytical Data

Code: **4349-v**

Compound: Amyloid β-Protein (Human,1-42) (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-Ile-Ala
(M.W. 4514.04) $C_{203}H_{311}N_{55}O_{60}S_1$

Appearance : White amorphous powder

* **Elemental Analysis**

Found C, 47.78 ; H, 5.98 ; N, 13.90 %

* **Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110℃, 22h. * concHCl:TFA:H2O=2:1:1, 150℃, 4h.

Asp (4)3.98	Ser (2)1.73	Glu (4)3.97	Gly (6)5.90
Ala (4)3.95	Val (6)5.89*	Met (1)0.56	Ile (3)2.64*
Leu (2)2.00	Tyr (1)0.87	Phe (3)2.98	His (3)2.92
Lys (2)2.00	NH_3 (2)2.46	Arg (1)0.99	

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

Sample : 4349-v Amyloid β-Protein (Human, 1-42)
Sample Size : 0.5 μL (0.5 mg/ 50 μL- DMSO)
Column : Agilent ZORBAX 300SB-C18 (4.6 mm I.D. × 150 mm) # WSB1452003
Eluent : 0.1% TFA
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ;Press. : 28 kg/cm2 , ; Temp. : 80℃
Detection : CH.1 220 nm