

Analytical Data

Code: 4486-v

Compound: [Ser(PO₃H₂)⁶⁵]-Ubiquitin (Human) (Trifluoroacetate Form)
Met-Gln-Ile-Phe-Val-Lys-Thr-Leu-Thr-Gly-Lys-Thr-Ile-Thr-
Leu-Glu-Val-Glu-Pro-Ser-Asp-Thr-Ile-Glu-Asn-Val-Lys-Ala-
Lys-Ile-Gln-Asp-Lys-Glu-Gly-Ile-Pro-Pro-Asp-Gln-Gln-Arg-
Leu-Ile-Phe-Ala-Gly-Lys-Gln-Leu-Glu-Asp-Gly-Arg-Thr-Leu-
Ser-Asp-Tyr-Asn-Ile-Gln-Lys-Glu-Ser (PO₃H₂)-Thr-Leu-His-
Leu-Val-Leu-Arg-Leu-Arg-Gly-Gly

(M.W. 8644.7) C₃₇₈ H₆₃₀ N₁₀₅ O₁₂₁ P₁ S₁

Appearance : White amorphous powder

* **Elemental Analysis**

Found C, 45.56 ; H, 6.36 ; N, 13.67 %

* **Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Asp (7) 6.89	Thr (7) 6.48	Ser (3) 2.42	Glu (12) 11.4
Pro (3) 3.00	Gly (6) 5.92	Ala (2) 1.96	Val (4) 3.90
Met (1) 0.88	Ile (7) 6.77	Leu (9) 9.00	Tyr (1) 0.91
Phe (2) 1.96	His (1) 1.02	Lys (7) 6.76	NH ₃ (8) 9.49
Arg (4) 3.97			

Mass Spectral Analysis : Exhibits correct MW

Sample : 4486-v [Ser(P03H2)65]-Ubiquitin(Human)
Sample Size : 4.0 μ L (0.053 mg/20 μ L-DMSO)
Column : YMC Pack ODS-A (4.6 mmI.D. \times 150 mm) #0415227747 + G (4 \times 10 mm)
Eluent : 0.1% TFA
Gradient : Acetonitrile 10% to 60% [25 min.]
Flow Rate : 1.0 mL/min. ; Press. : 100 kg/cm² ; Temp. : 25°C
Detection : CH.1 210 nm

