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Analytical Data

Code: **3206-v**

Compound: Ubiquitin-MCA

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-Thr-Leu-His-Leu-Val-Leu-Arg-Leu-Arg-Gly-Gly-MCA

(M.W. 8721.9) $C_{388}H_{636}N_{106}O_{119}S_1$

Appearance : White amorphous powder

*** Elemental Analysis**

Found C, 46.70 ; H, 6.33 ; N, 13.74 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110℃, 22h.

Asp (7)6.95	Thr (7)6.58	Ser (3)2.67	Glu (12)11.8
Pro (3)2.97	Gly (6)5.96	Ala (2)1.95	Val (4)3.96
Met (1)0.67	Ile (7)6.77	Leu (9)9.00	Tyr (1)0.91
Phe (2)1.95	His (1)1.03	Lys (7)6.92	NH_3 (8)9.48
Arg (4)4.00			

Mass Spectral Analysis : Exhibits correct MW

Sample : 3206-v Ubiquitin-MCA
Sample Size : 3.5 μL (0.05 mg/10 μL-DMSO)
Column : YMC Pack ODS-A (4.6 mm I.D. ×150 mm) #0415227748 + G(4 × 10 mm)
Eluent : 0. 1% TFA
Gradient : Acetonitrile 10% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ;Press. : 101 kg/cm2 , ;Temp. : 25℃
Detection : CH.1 220 nm