

Supplementary Materials

**New Caffeoylquinic Acid Derivatives and Flavanone
Glycosides from the Flowers of *Chrysanthemum
morifolium* and Their Bioactivities**

Peng-Fei Yang¹, Chun-Yu He¹, Duo-Bin Mao^{1,*}

¹ College of Food and Biological Engineering, Zhengzhou University of Light Industry, Zhengzhou, 450002, China;

pf_yang@zzuli.edu.cn (P.-F.Y.); 349210263@qq.com (C.-Y.H.);

Correspondence: duobinmao@126.com; Tel.: +86-180-3713-7533

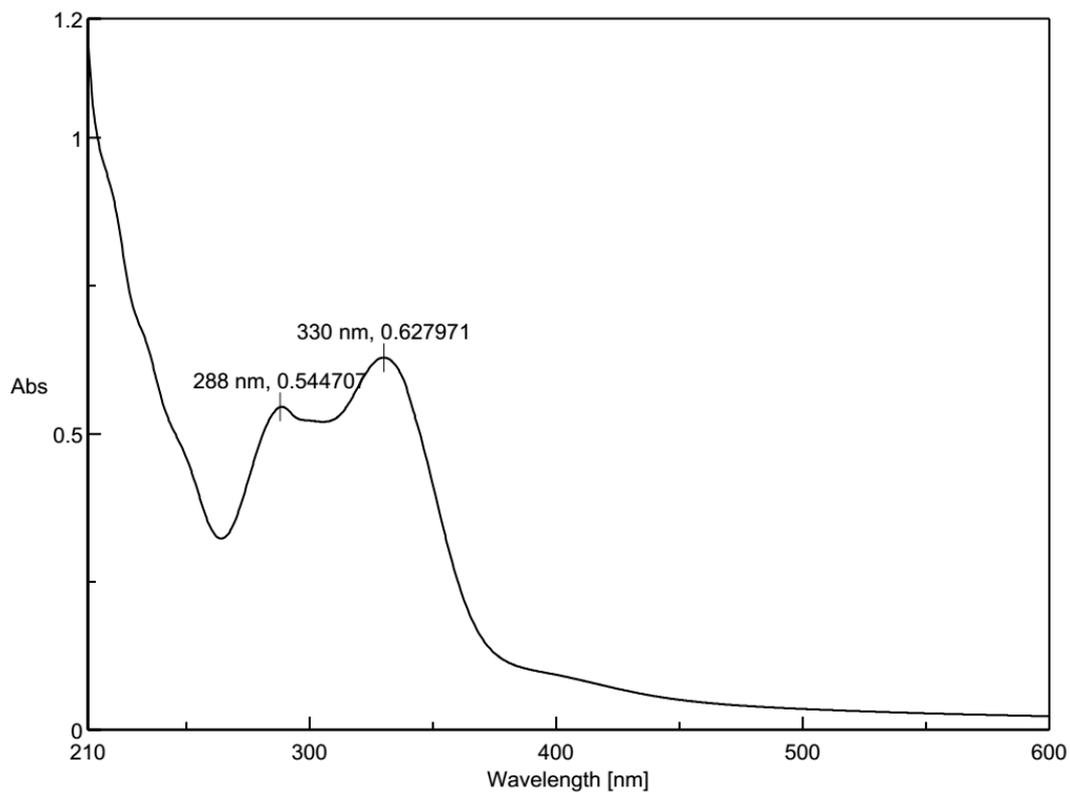


Figure S1. The UV Spectrum of compound **1** in MeOH

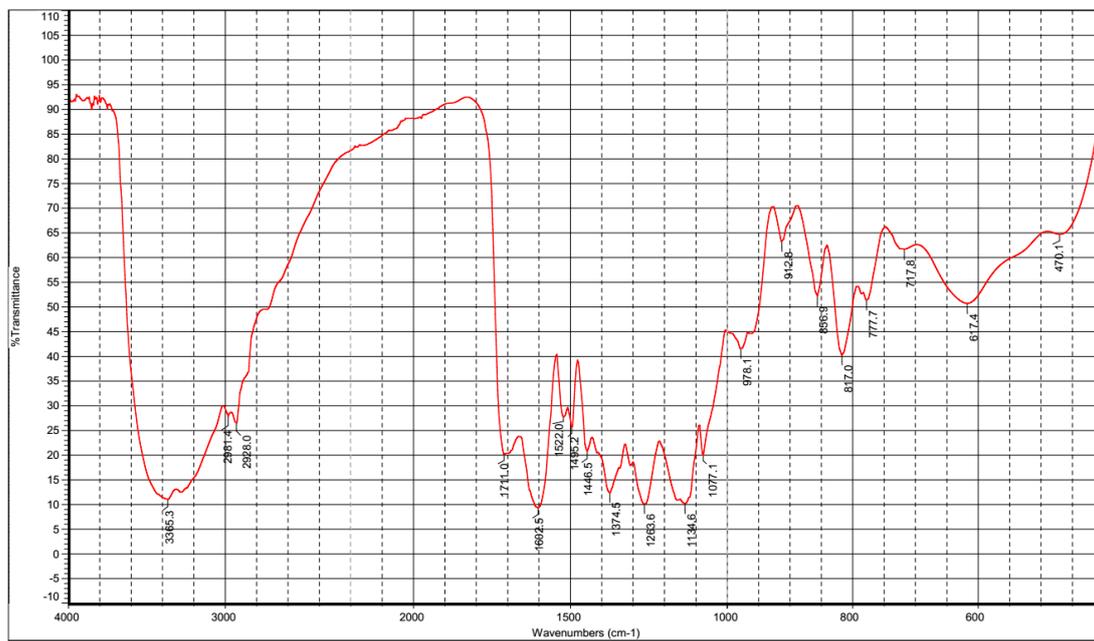


Figure S2. The IR Spectrum (KBr) of compound **1**

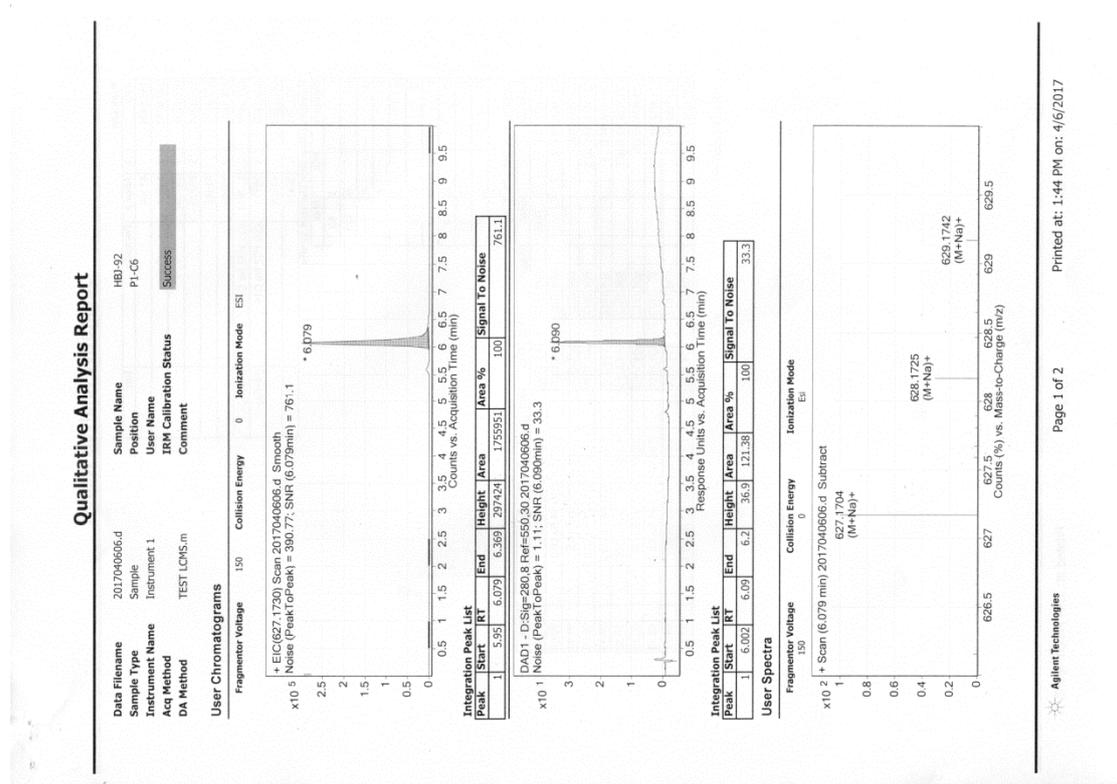


Figure S3. The HR-ESI-MS Data of compound 1

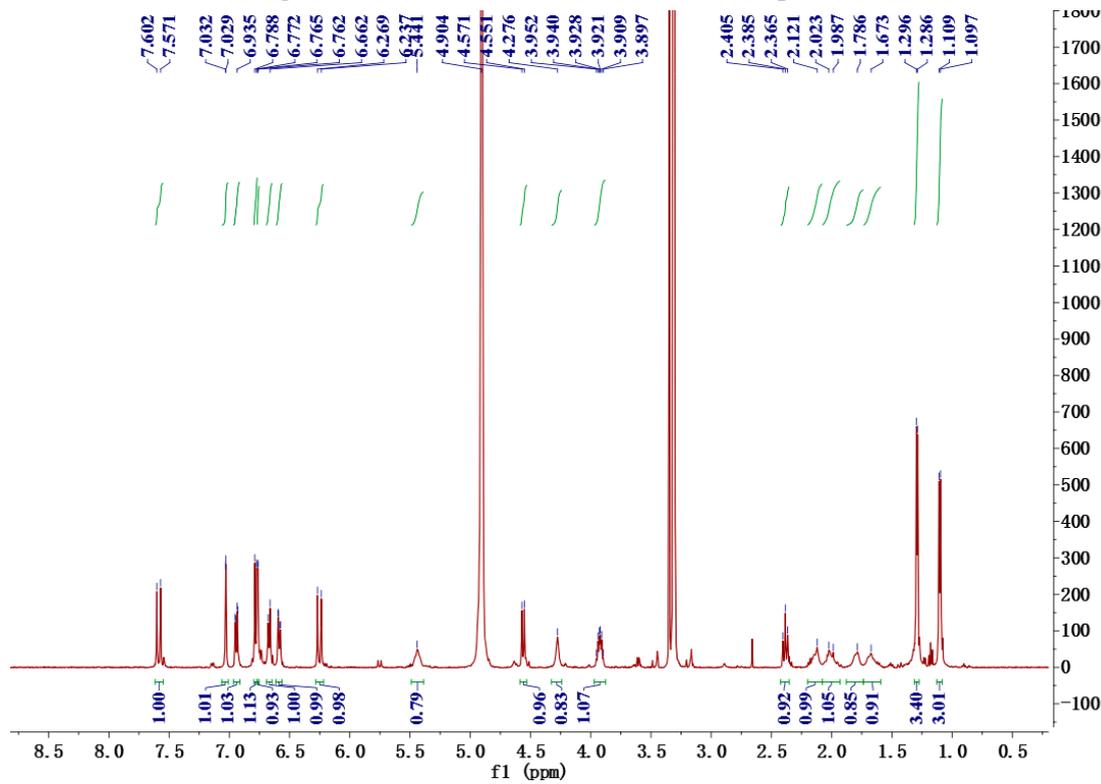


Figure S4. The ¹H NMR Spectrum of Compound 1 in MeOH-d₄ (500 Hz)

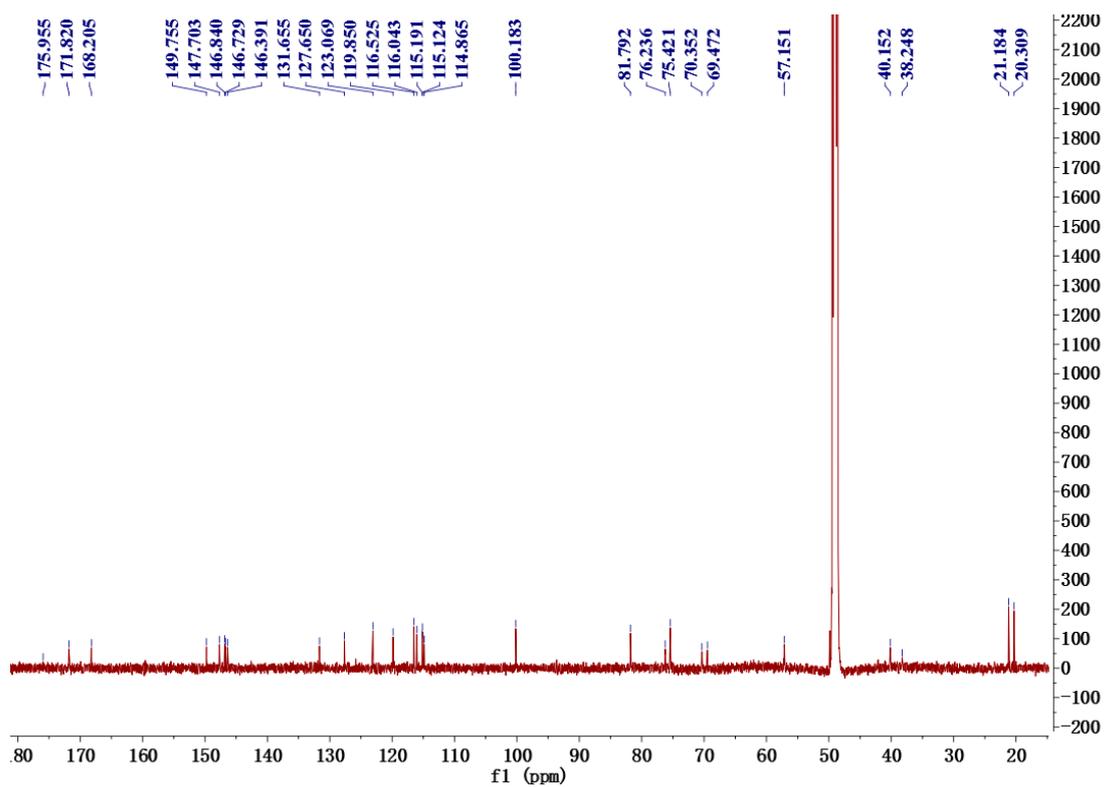


Figure S5. The ^{13}C NMR Spectrum of Compound **1** in $\text{MeOH-}d_4$ (150 Hz)

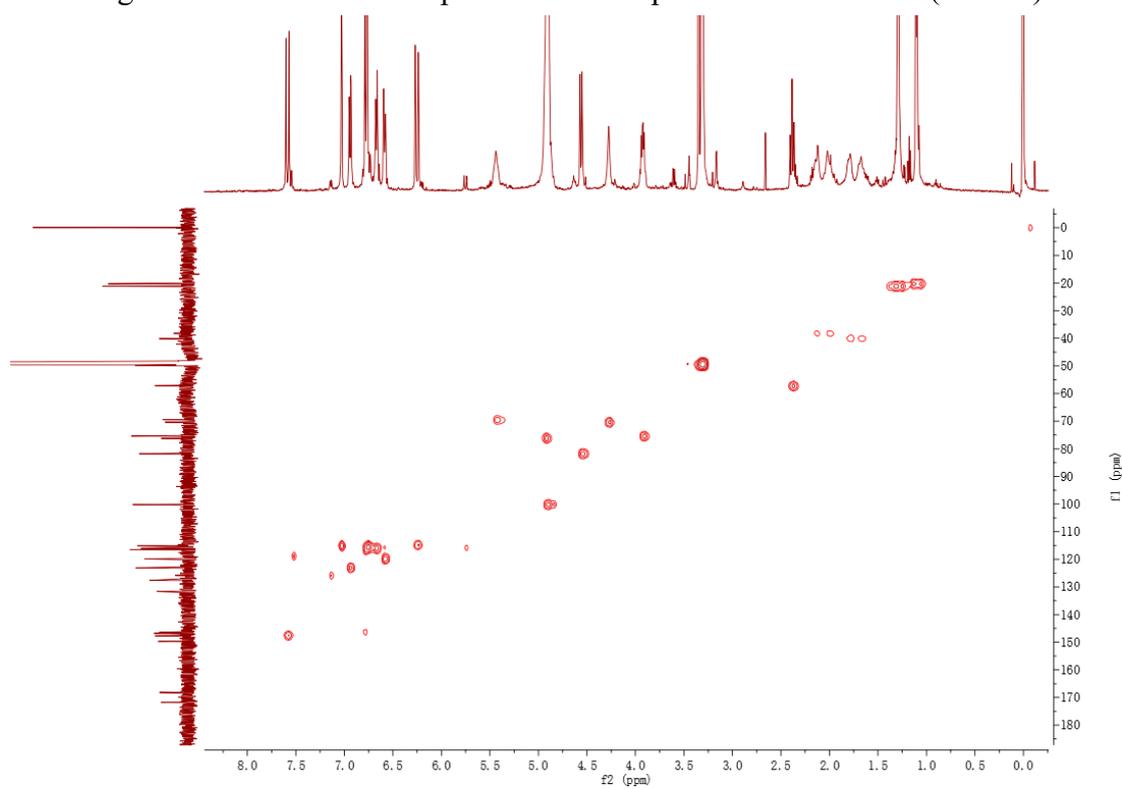


Figure S6. The HSQC Spectrum of Compound **1** in $\text{MeOH-}d_4$ (600 Hz)

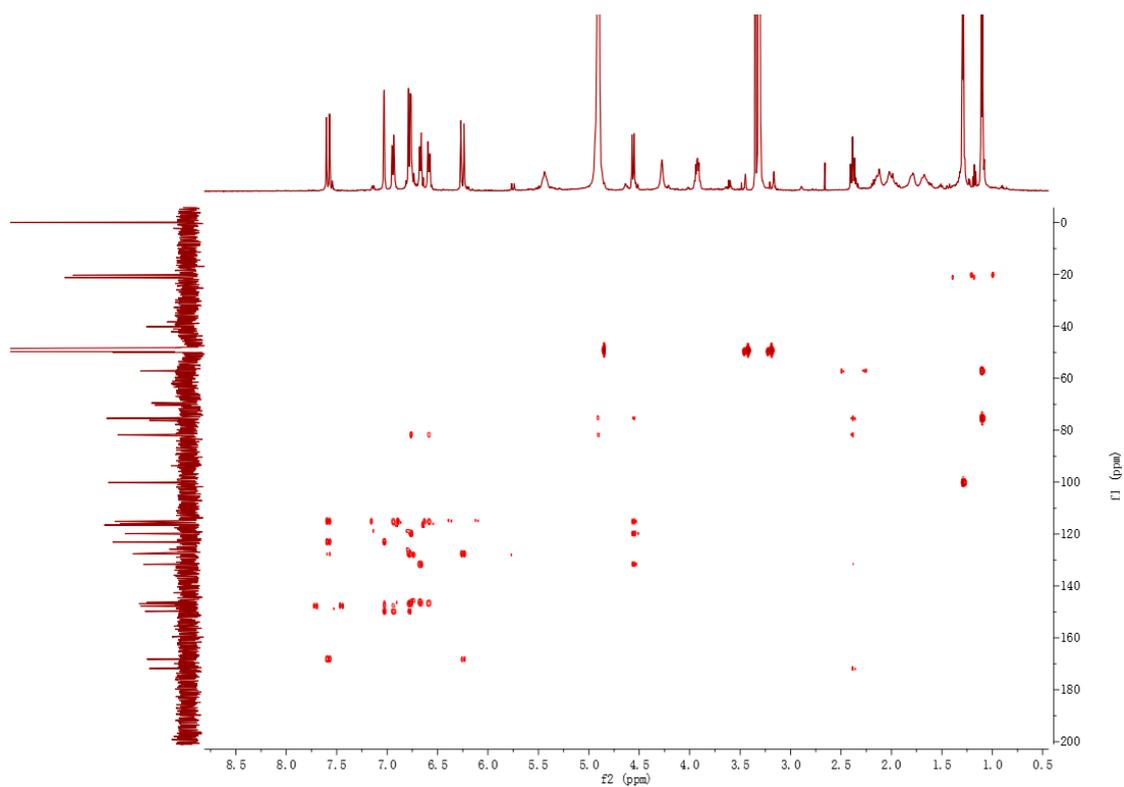


Figure S7. The HMBC Spectrum of Compound **1** in MeOH-*d*₄ (600 Hz)

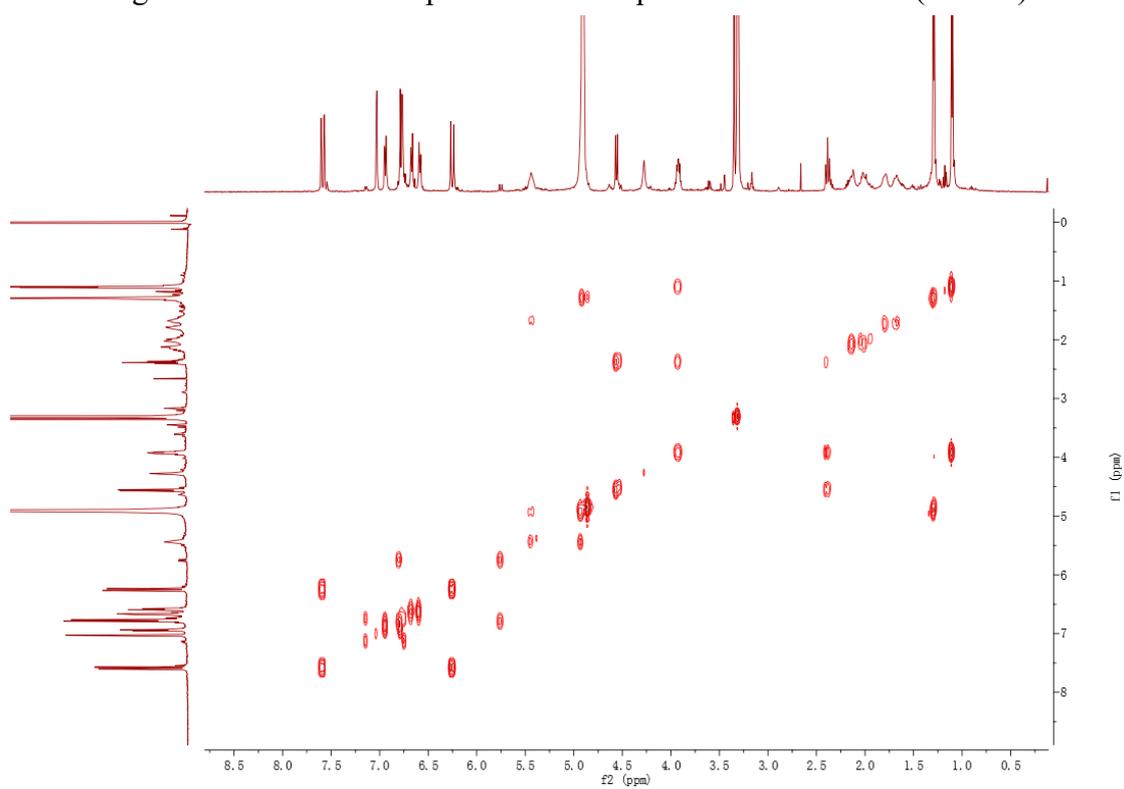


Figure S8. The ¹H-¹H COSY Spectrum of Compound **1** in MeOH-*d*₄ (600 Hz)

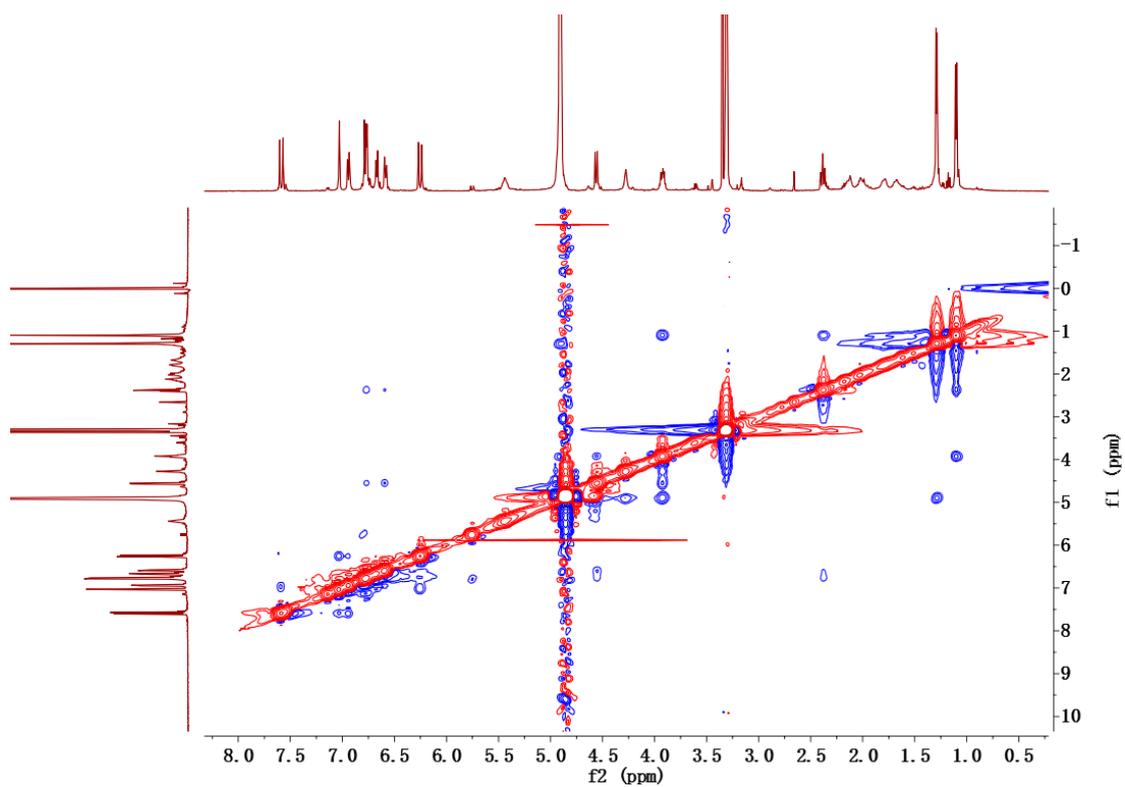


Figure S9. The ROESY Spectrum of Compound **1** in MeOH- d_4 (600 Hz)

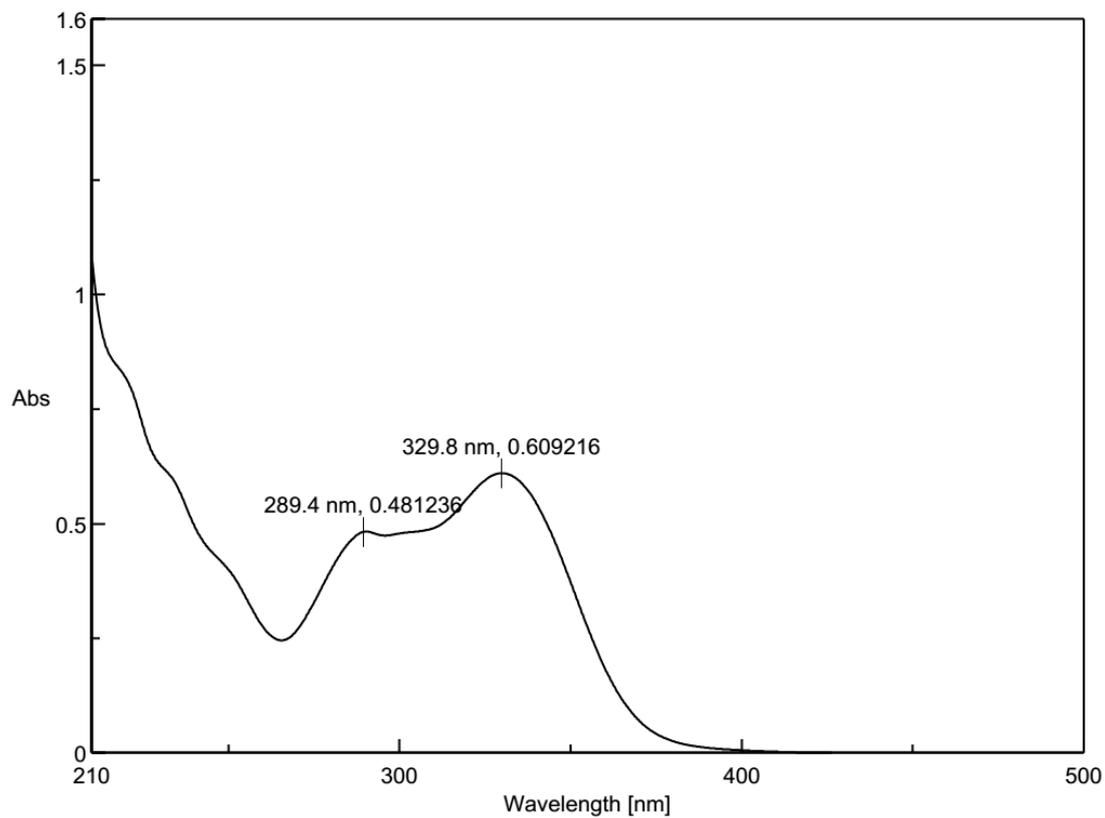


Figure S10. The UV Spectrum of compound **2** in MeOH

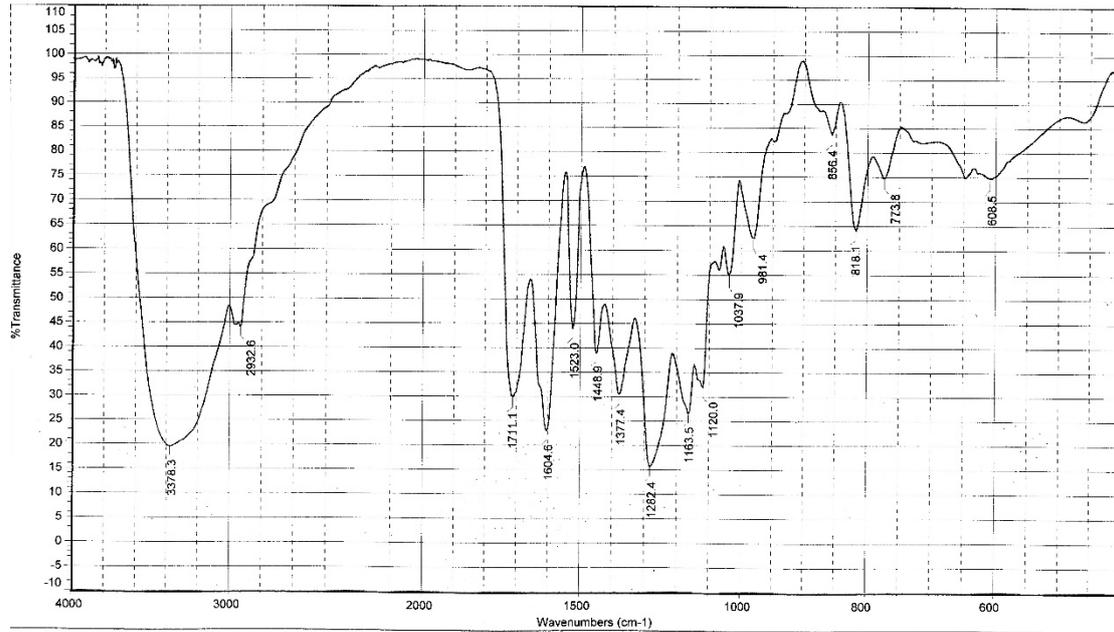


Figure S11. The IR Spectrum (KBr) of compound 2

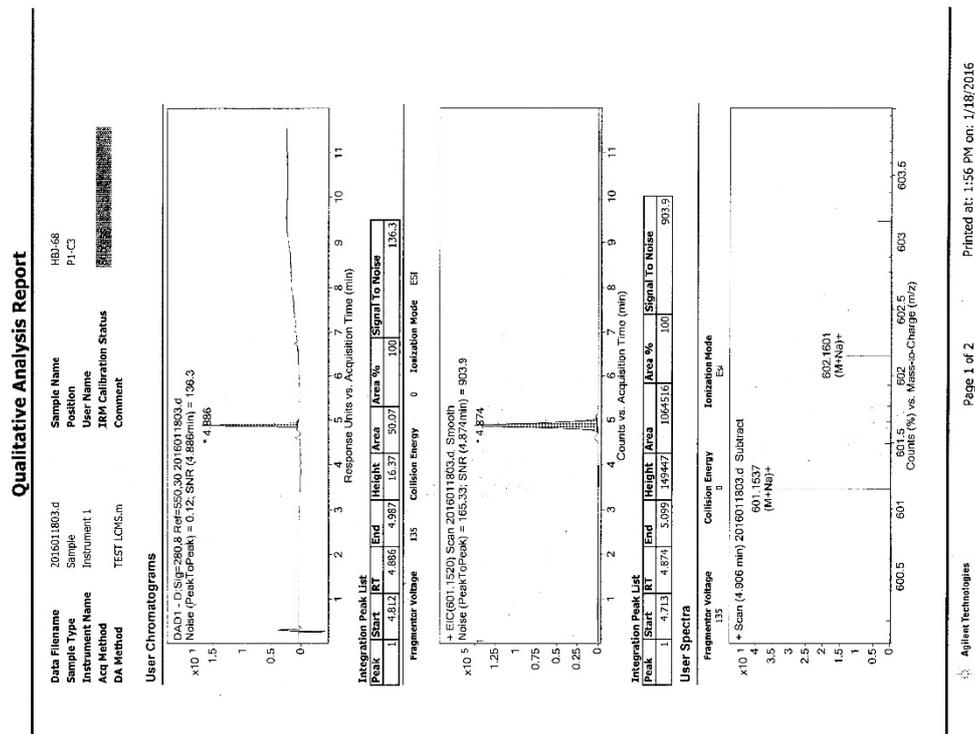


Figure S12. The HR-ESI-MS Data of compound 2

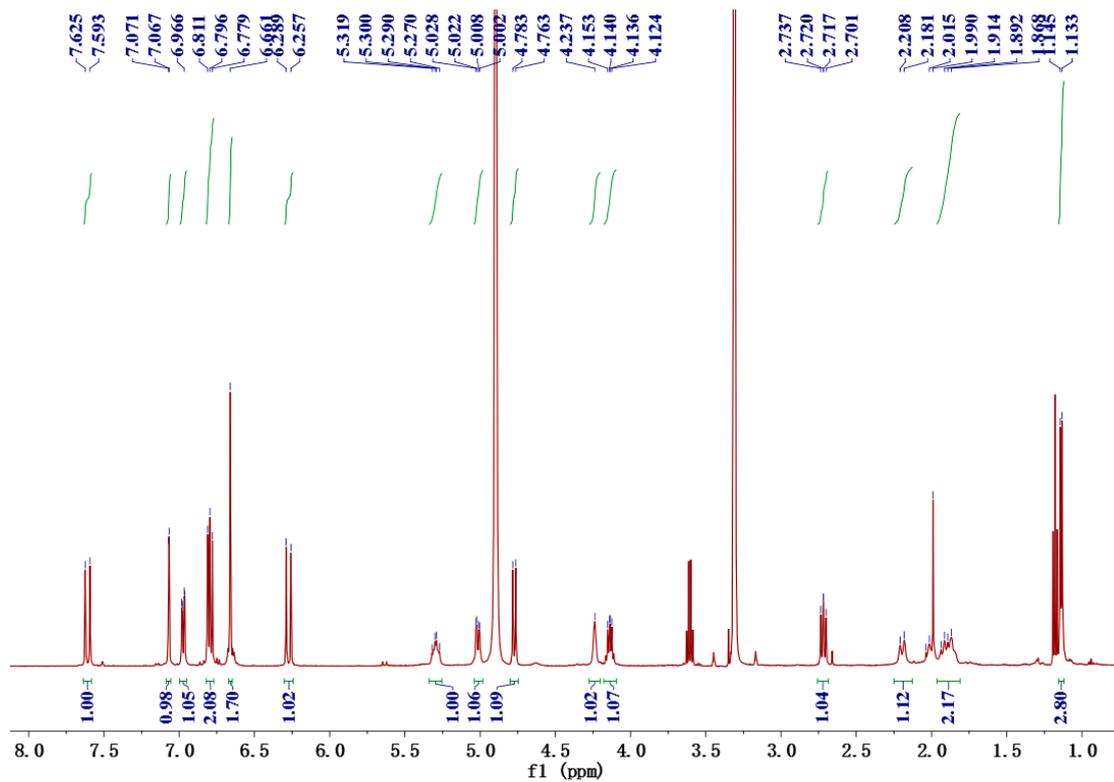


Figure S13. The ^1H NMR Spectrum of Compound **2** in $\text{MeOH-}d_4$ (500 Hz)

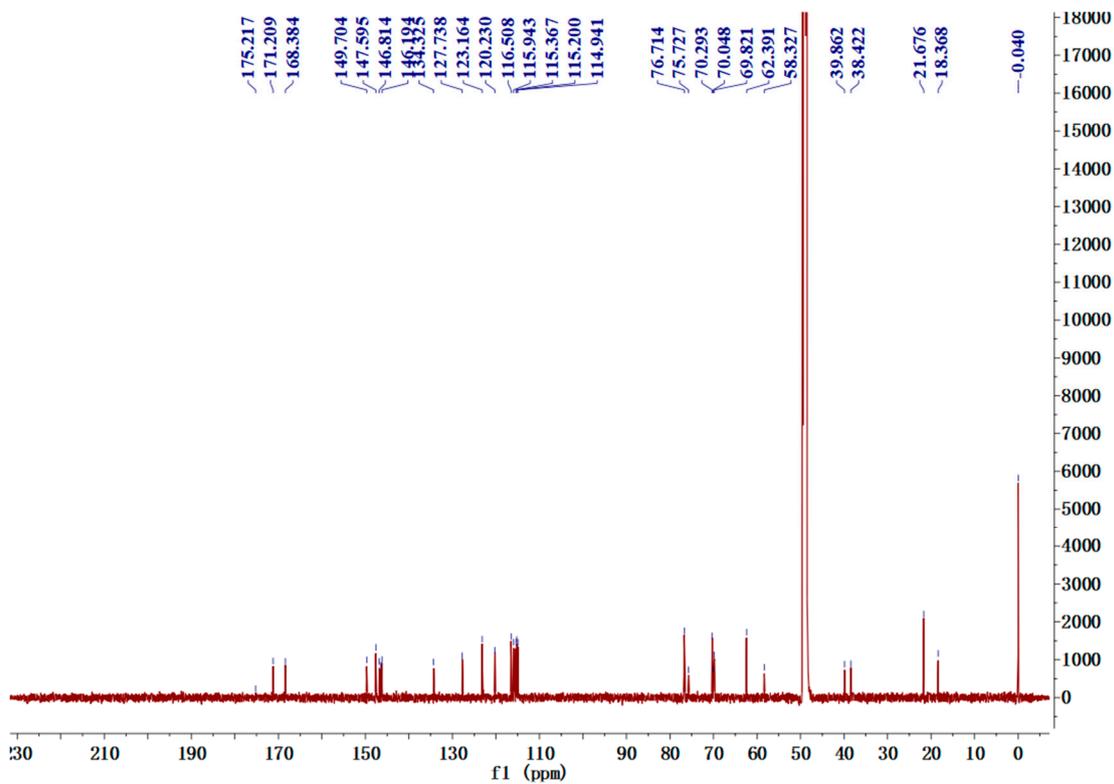


Figure S14. The ^{13}C NMR Spectrum of Compound **2** in $\text{MeOH-}d_4$ (500 Hz)

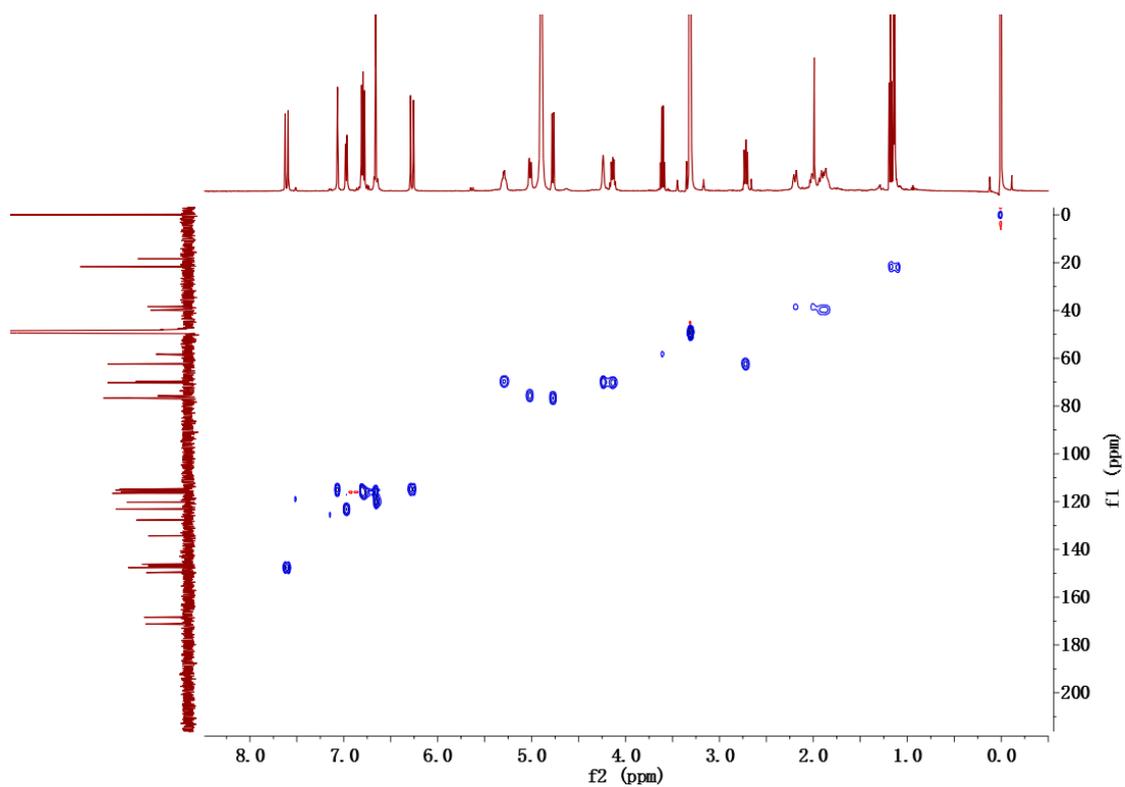


Figure S15. The HSQC Spectrum of Compound **2** in MeOH- d_4 (500 Hz)

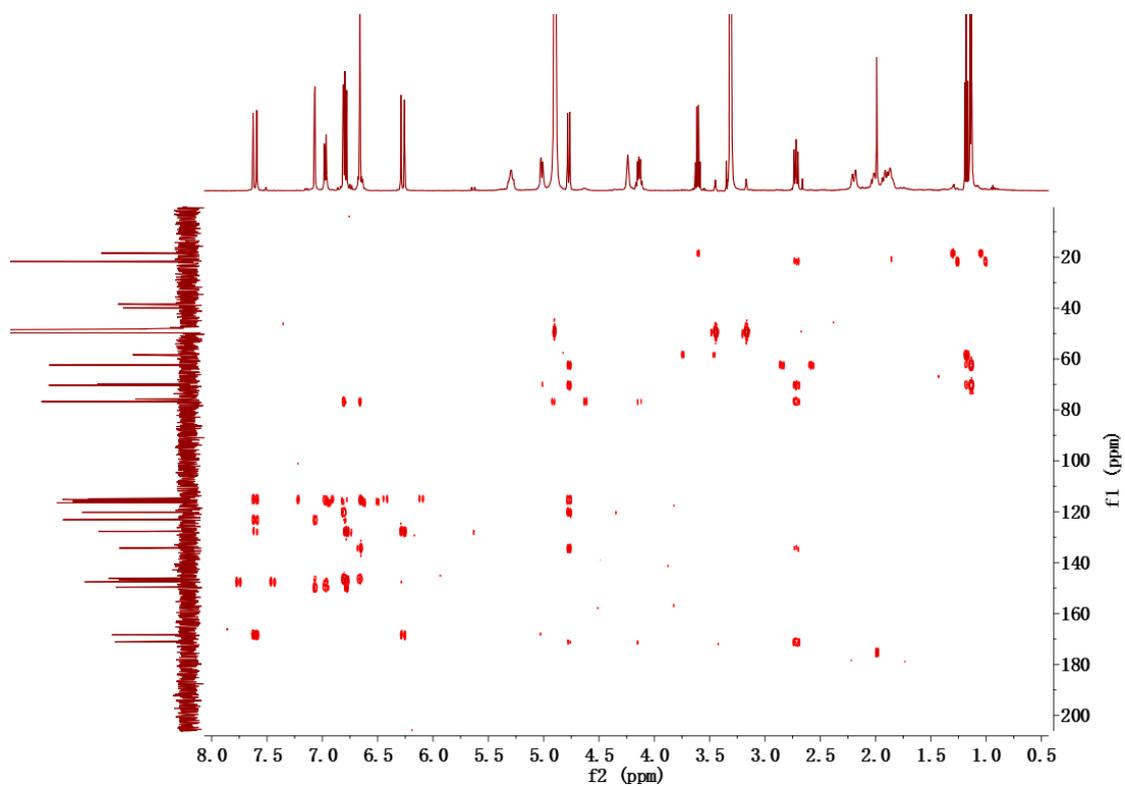


Figure S16. The HMBC Spectrum of Compound **2** in MeOH- d_4 (500 Hz)

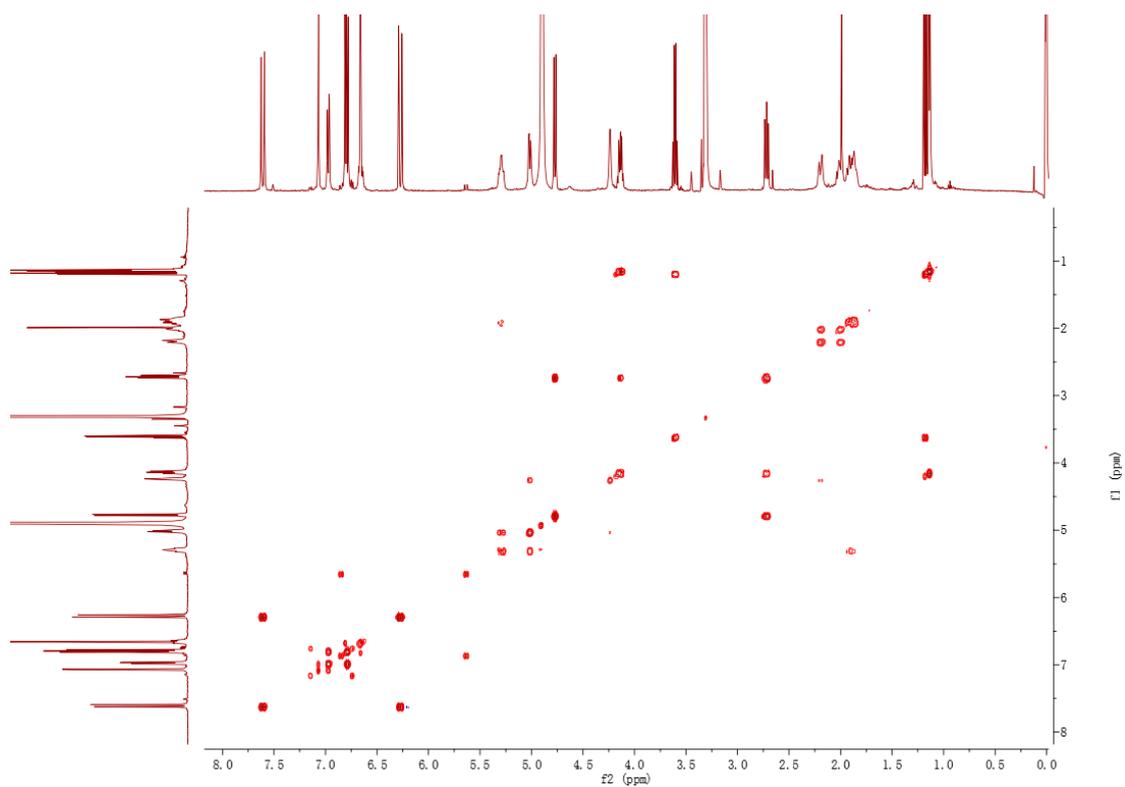


Figure S17. The HMBC Spectrum of Compound **2** in MeOH-*d*₄ (500 Hz)

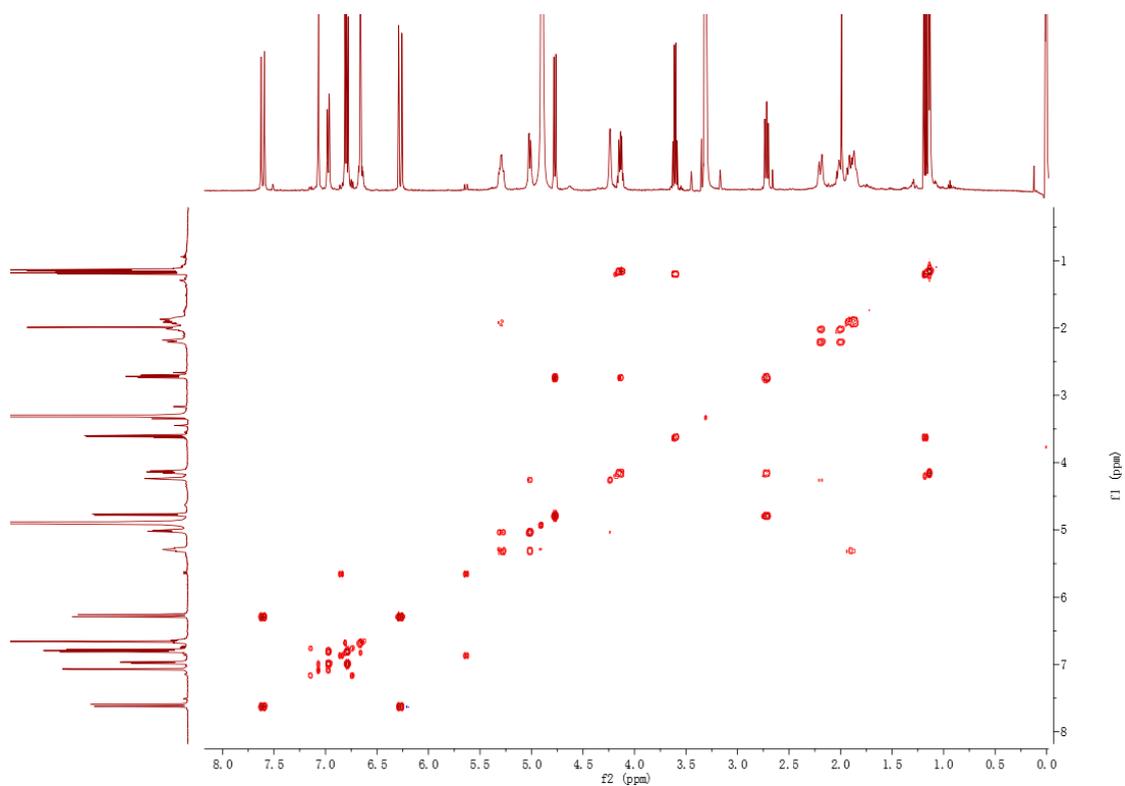


Figure S18. The ¹H-¹H COSY Spectrum of Compound **2** in MeOH-*d*₄ (500 Hz)

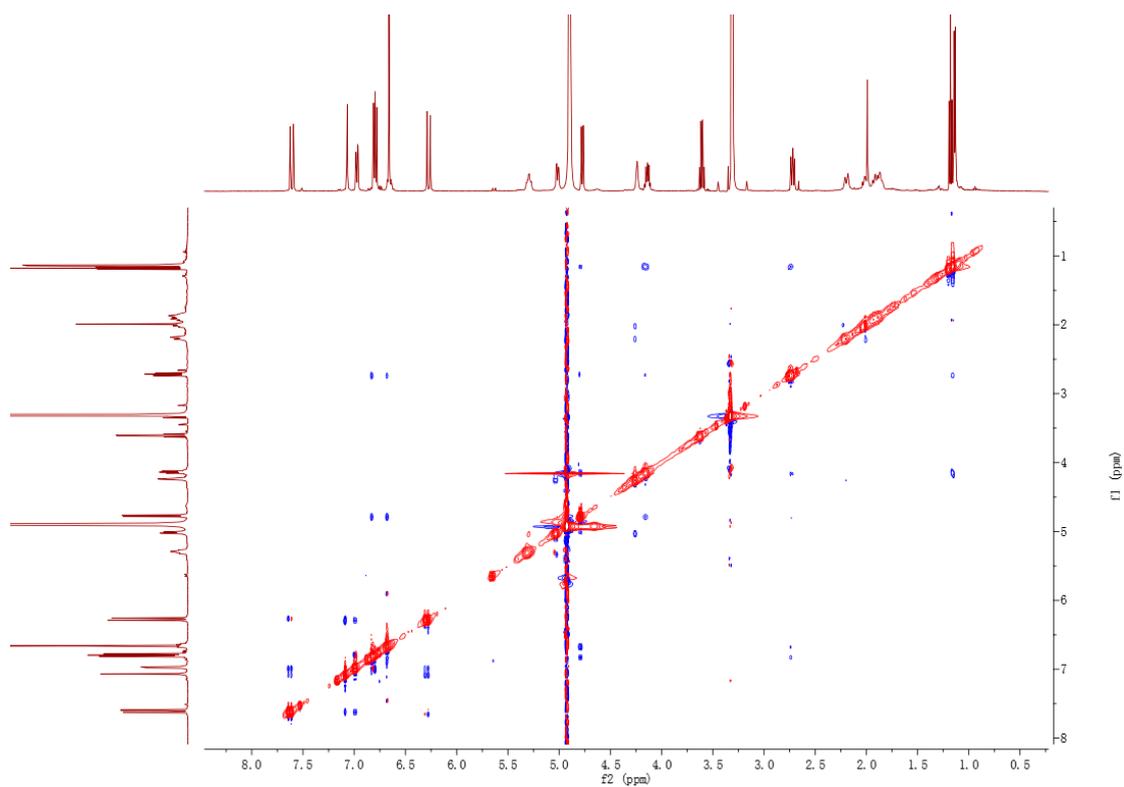


Figure S19. The ROESY Spectrum of Compound **2** in MeOH-*d*₄ (500 Hz)

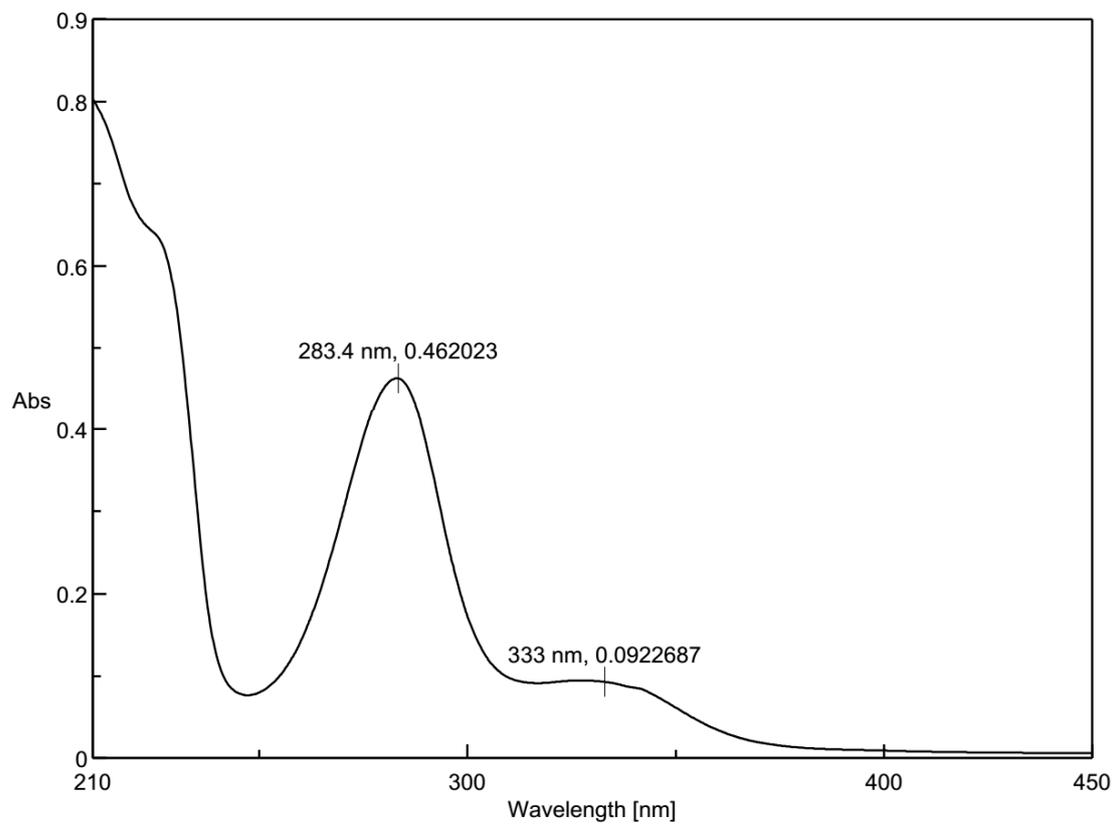


Figure S20. The UV Spectrum of compound **3** in MeOH

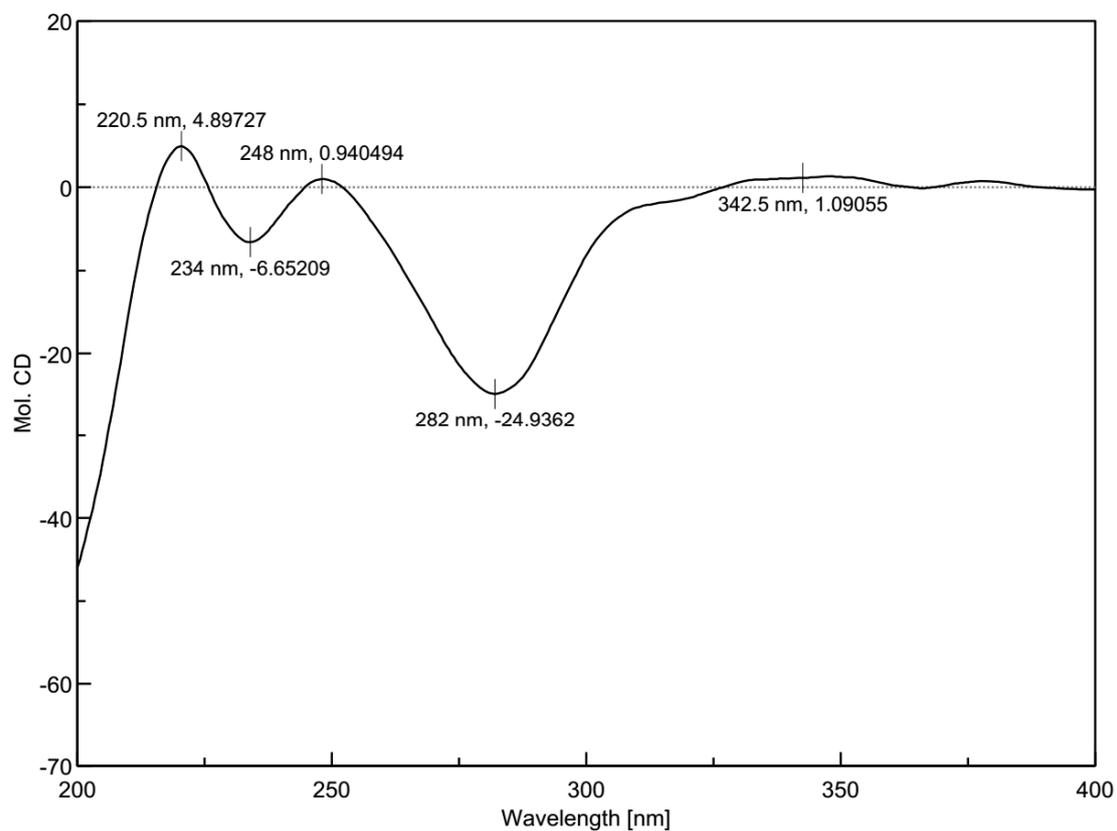


Figure S21. The ECD Spectrum of compound **3** in MeOH

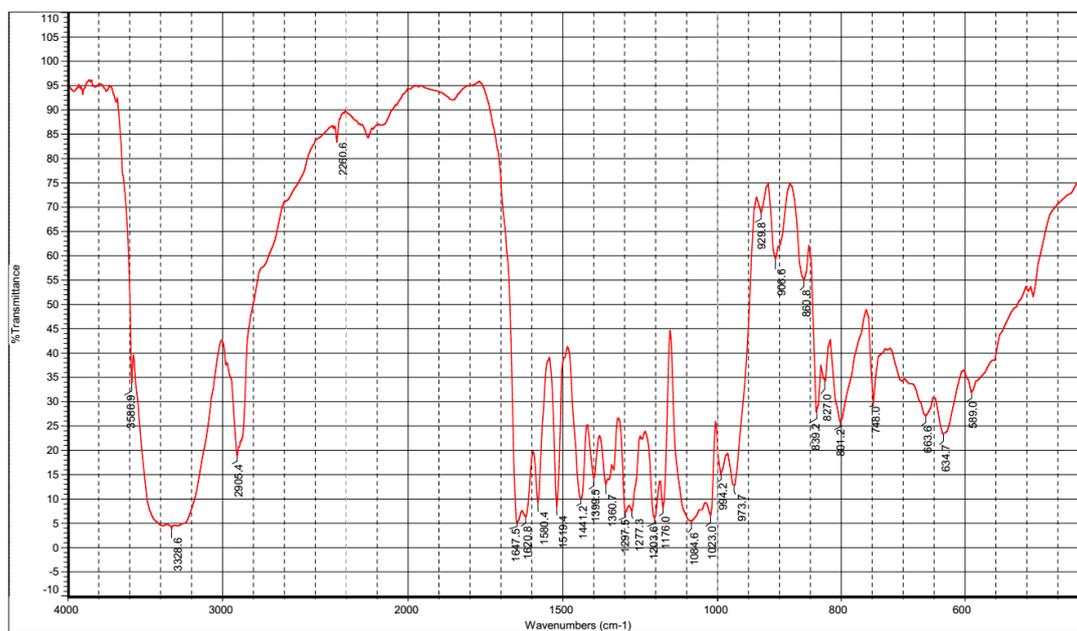
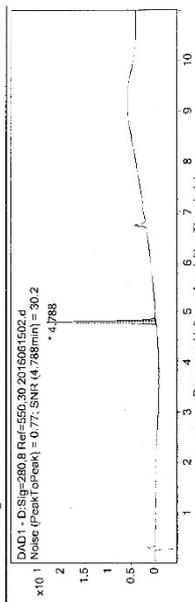


Figure S22. The IR Spectrum (KBr) of compound **3**

Qualitative Analysis Report

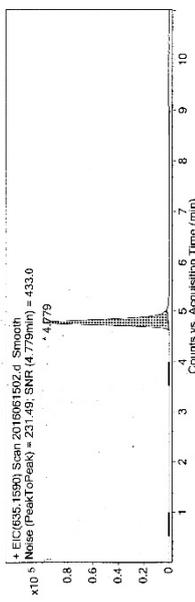
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Sample Name: HB3-32
Sample Position: P1-C7
Instrument Name: Instrument 1
User Name: [REDACTED]
Acq Method: TEST LC/MS.m
DA Method: TEST LC/MS.m
IRM Calibration Status: [REDACTED]
Comment: [REDACTED]

User Chromatograms



Peak	Start	RT	End	Height	Area	Area %	Signal To Noise
1	4.708	4.788	4.918	23.23	72.81	100	30.2

Fragmentor Voltage: 135 Collision Energy: 0 Ionization Mode: ESI



Peak	Start	RT	End	Height	Area	Area %	Signal To Noise
1	4.618	4.779	5.053	100281	815982	100	433

Fragmentor Voltage: 135 Collision Energy: 0 Ionization Mode: ESI

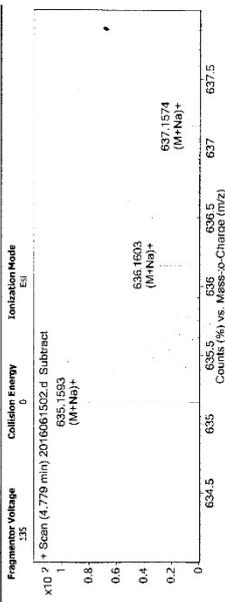


Figure S23. The HR-ESI-MS Data Spectrum (KBr) of compound 3

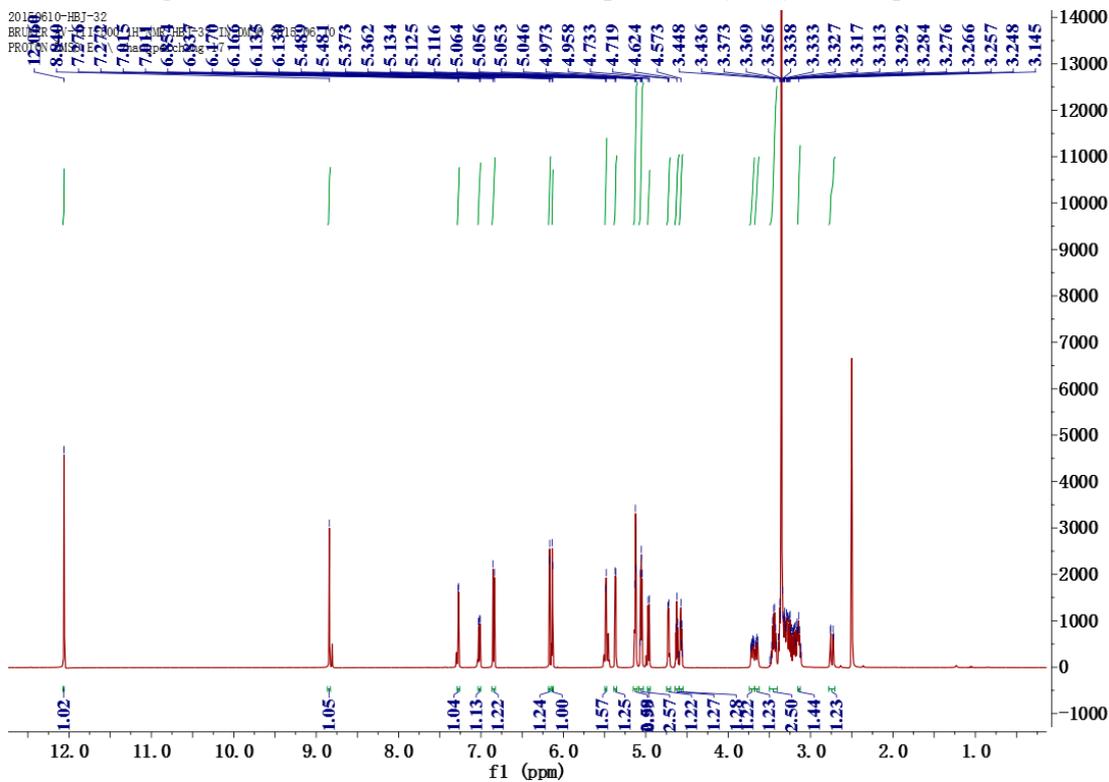


Figure S24. The ¹H NMR Spectrum of Compound 3 in DMSO-d₆ (500 Hz)

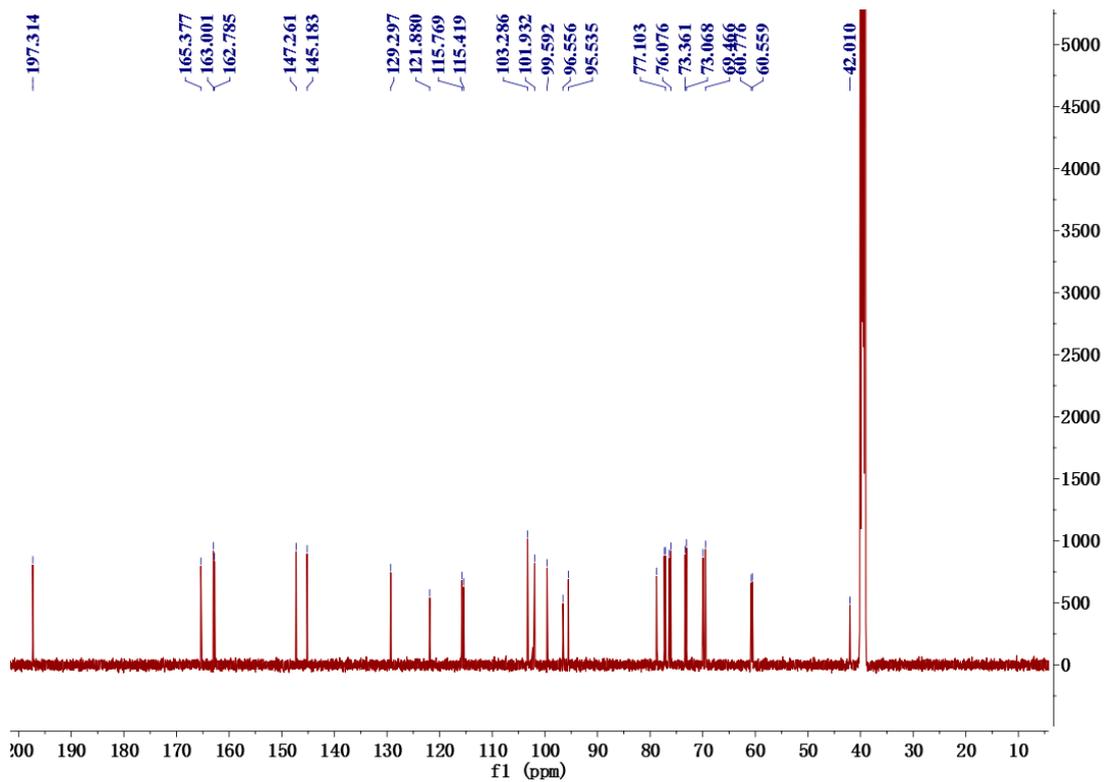


Figure S25. The ¹³C NMR Spectrum of Compound 3 in DMSO-*d*₆ (125 Hz)

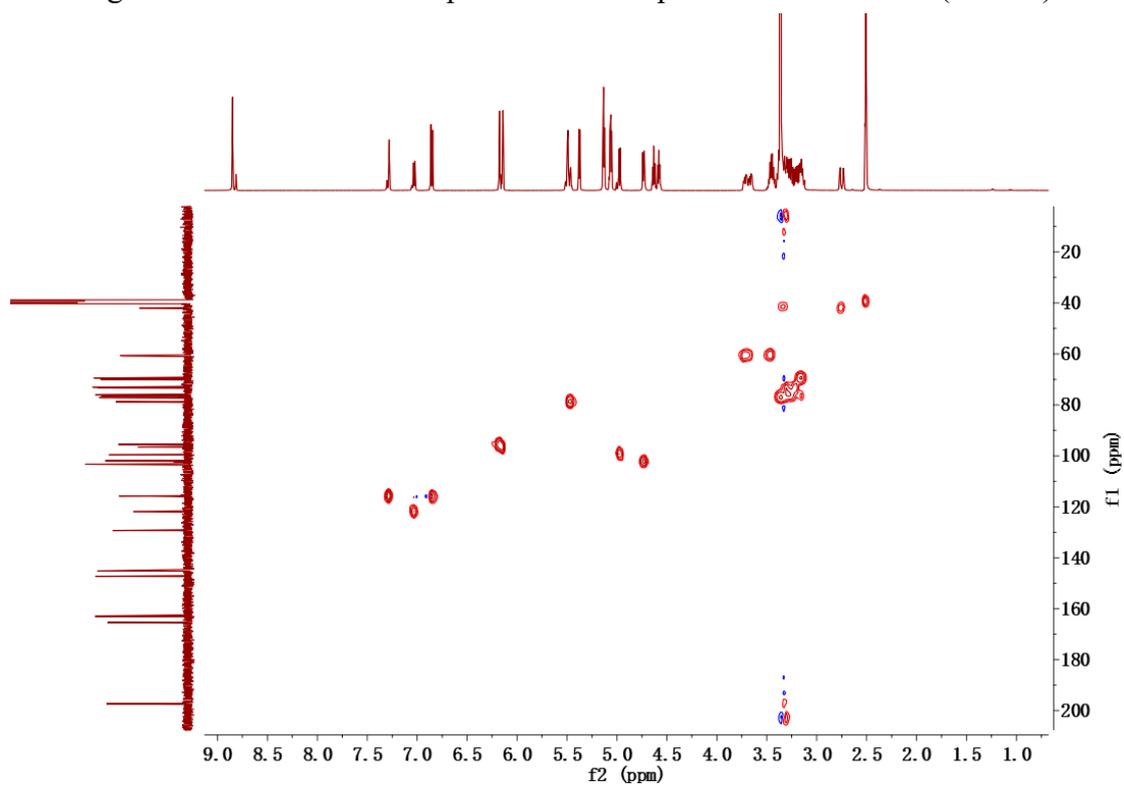


Figure S26. The HSQC Spectrum of Compound 3 in DMSO-*d*₆ (500 Hz)

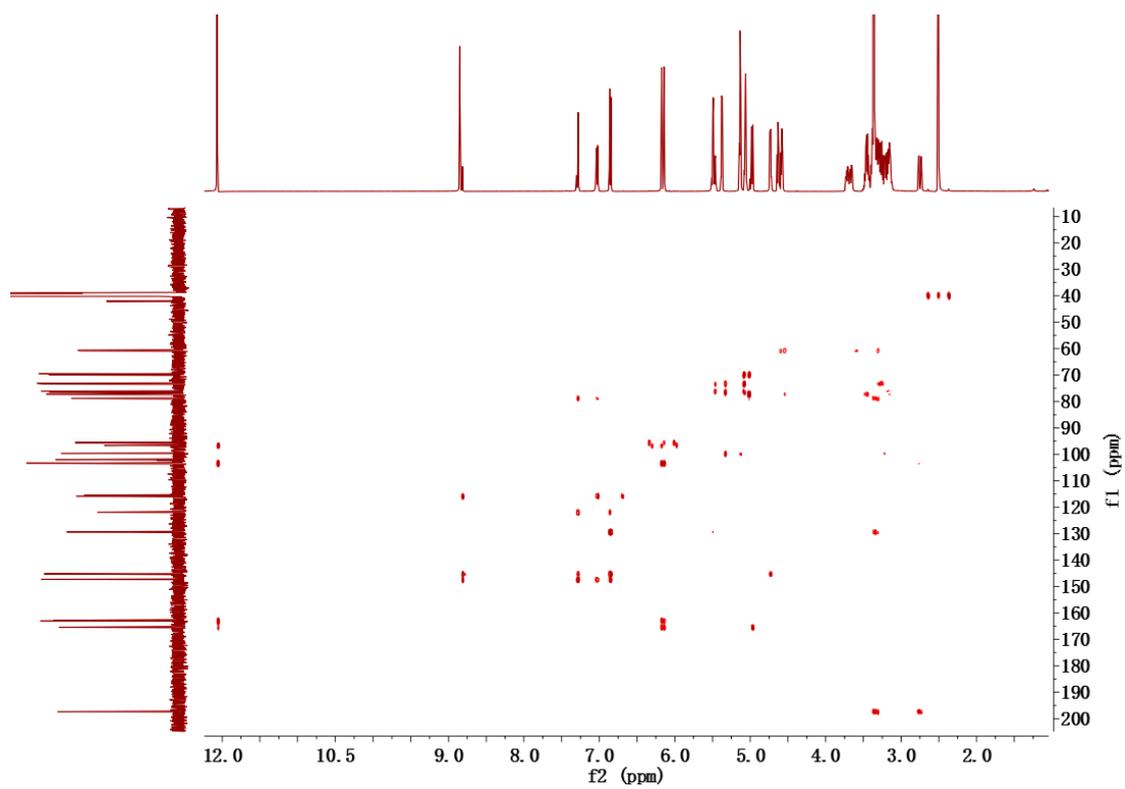


Figure S26. The HMBC Spectrum of Compound **3** in DMSO-*d*₆ (500 Hz)