

Investigation on Chemical Constituents from *Prunus cerasifera* Ehrh. and Evaluation of Their Anti-inflammatory Activity

Haofan Lv¹, Qihang Zhang¹, Yufan He¹, Wuwei Xin², Wei Liu^{1*}, ChunPeng Wan^{1,3*}

¹University and College Key Lab of Natural Product Chemistry and Application in Xinjiang, School of Chemistry and Chemical Engineering, Yili Normal University, Yining 835000, China.

² Xinjiang Tianhongrun Biotechnology Co., Ltd., Changji 831108, China.

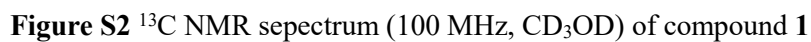
³Jiangxi Key Laboratory for Postharvest Technology and Nondestructive Testing of Fruits and Vegetables, College of Agronomy, Jiangxi Agricultural University, Nanchang 330045, China.

*Corresponding Author: Wei Liu. Email: ucasliuwei@126.com;

*Corresponding Author: ChunPeng Wan. Email: chunpengwan@jxau.edu.cn.

List of Supporting Information

Figure S1 ¹ H NMR sepectrum (400 MHz, CD ₃ OD) of compound 1	1
Figure S2 ¹³ C NMR sepectrum (100 MHz, CD ₃ OD) of compound 1	1
Figure S3 ¹ H NMR sepectrum (400 MHz, CD ₃ OD) of compound 2	2
Figure S4 ¹³ C NMR sepectrum (100 MHz, CD ₃ OD) of compound 2	2
Figure S5 ¹ H NMR sepectrum (400 MHz, CD ₃ OD) of compound 3	3
Figure S6 ¹³ C NMR sepectrum (100 MHz, CD ₃ OD) of compound 3	3
Figure S7 ¹ H NMR sepectrum (400 MHz, CD ₃ OD) of compound 4	4
Figure S8 ¹³ C NMR sepectrum (100 MHz, CD ₃ OD) of compound 4	4
Figure S9 ¹ H NMR sepectrum (400 MHz, CD ₃ OD) of compound 5	5
Figure S10 ¹³ C NMR sepectrum (100 MHz, CD ₃ OD) of compound 5	5
Figure S11 ¹ H NMR sepectrum (400 MHz, D ₂ O) of compound 6	6
Figure S12 ¹³ C NMR sepectrum (100 MHz, D ₂ O) of compound 6	6
Figure S13 ¹ H NMR sepectrum (400 MHz, DMSO) of compound 7	7
Figure S14 ¹³ C NMR sepectrum (100 MHz, DMSO) of compound 7	7
Figure S15 ¹ H NMR sepectrum (400 MHz, D ₂ O) of compound 8	8
Figure S16 ¹³ C NMR sepectrum (100 MHz, D ₂ O) of compound 8	8



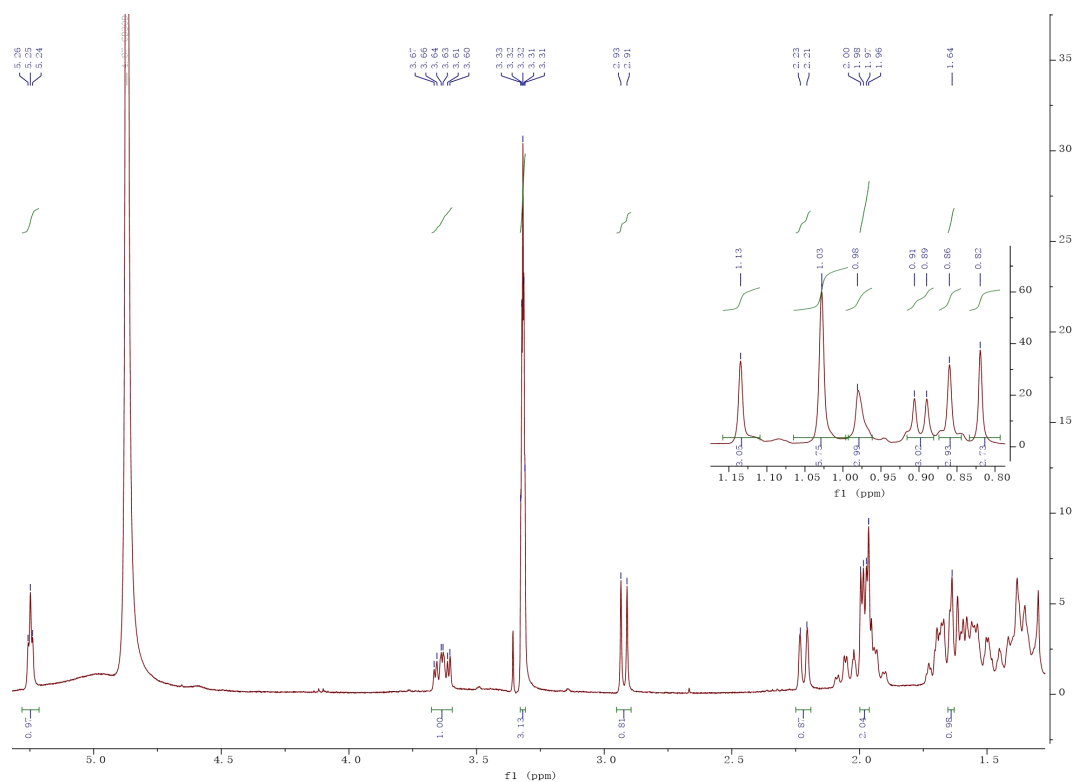


Figure S3 ¹H NMR sepectrum (400 MHz, CD₃OD) of compound **2**

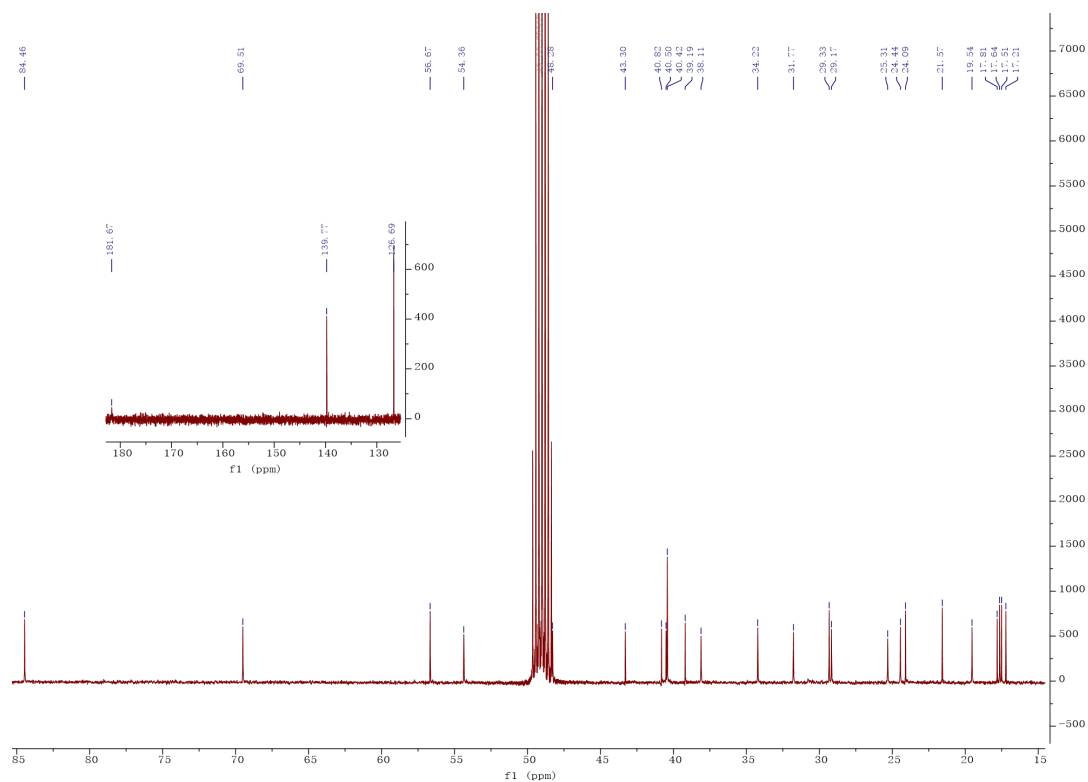


Figure S4 ¹³C NMR sepectrum (100 MHz, CD₃OD) of compound **2**

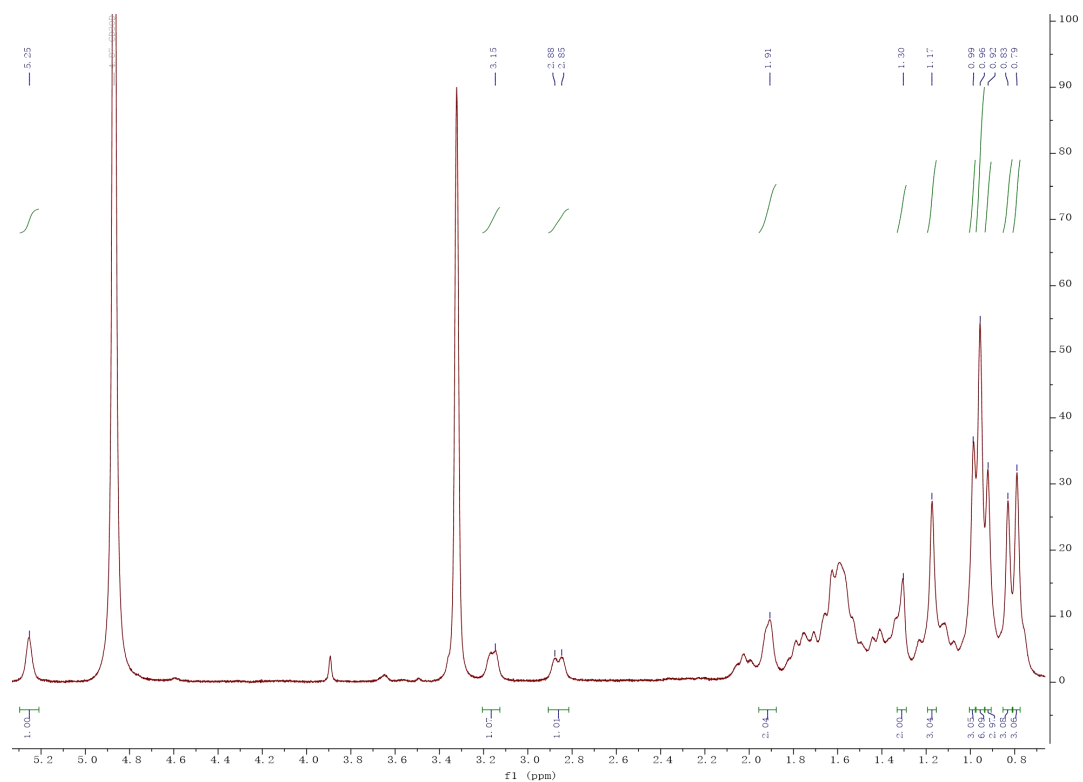


Figure S5 ¹H NMR spectrum (400 MHz, CD₃OD) of compound **3**

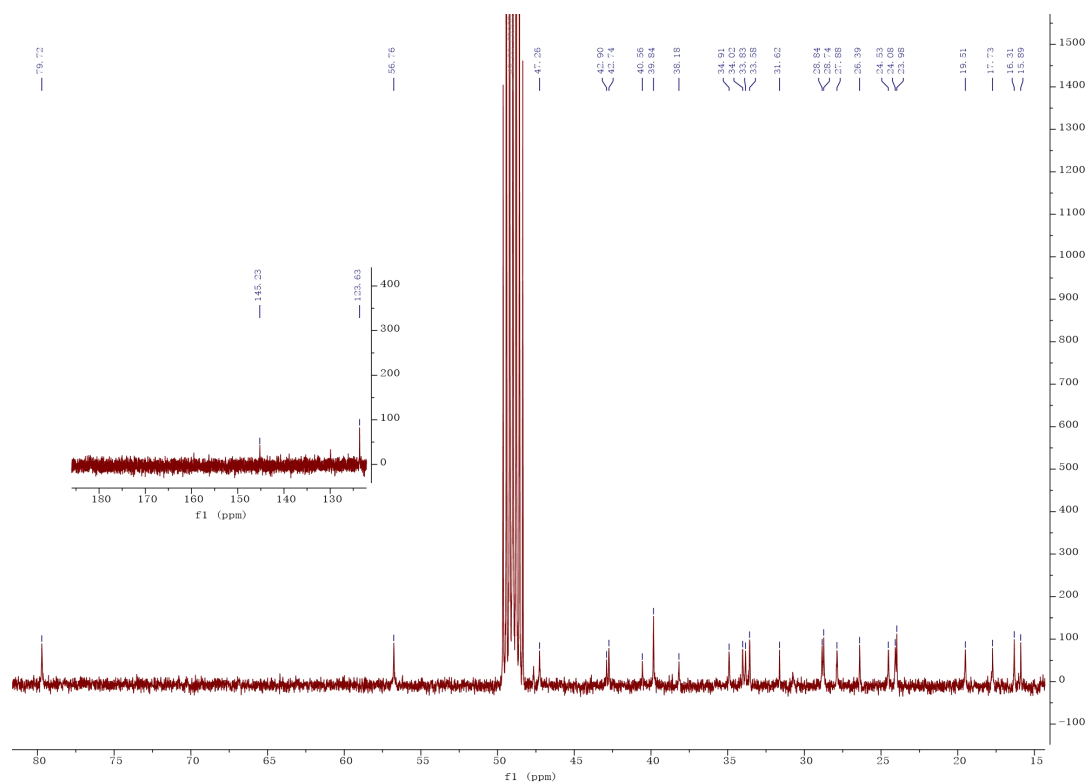


Figure S6 ¹³C NMR spectrum (100 MHz, CD₃OD) of compound **3**

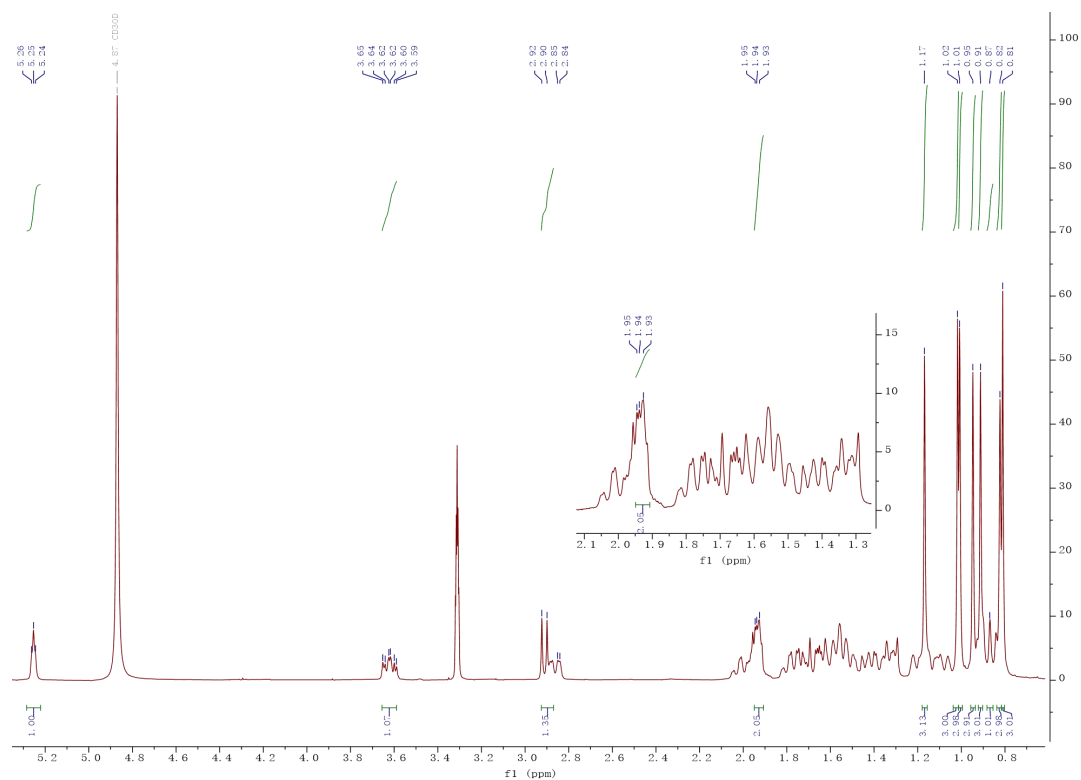


Figure S7 ¹H NMR sepectrum (400 MHz, CD₃OD) of compound **4**

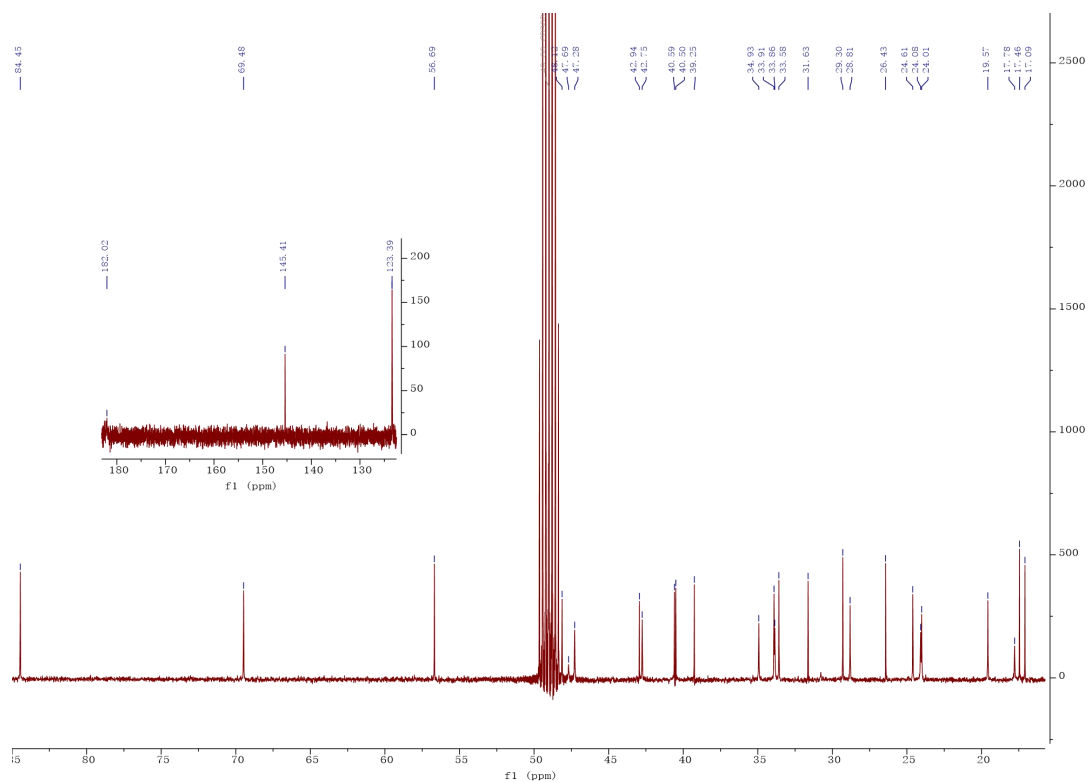


Figure S8 ¹³C NMR sepectrum (100 MHz, CD₃OD) of compound **4**

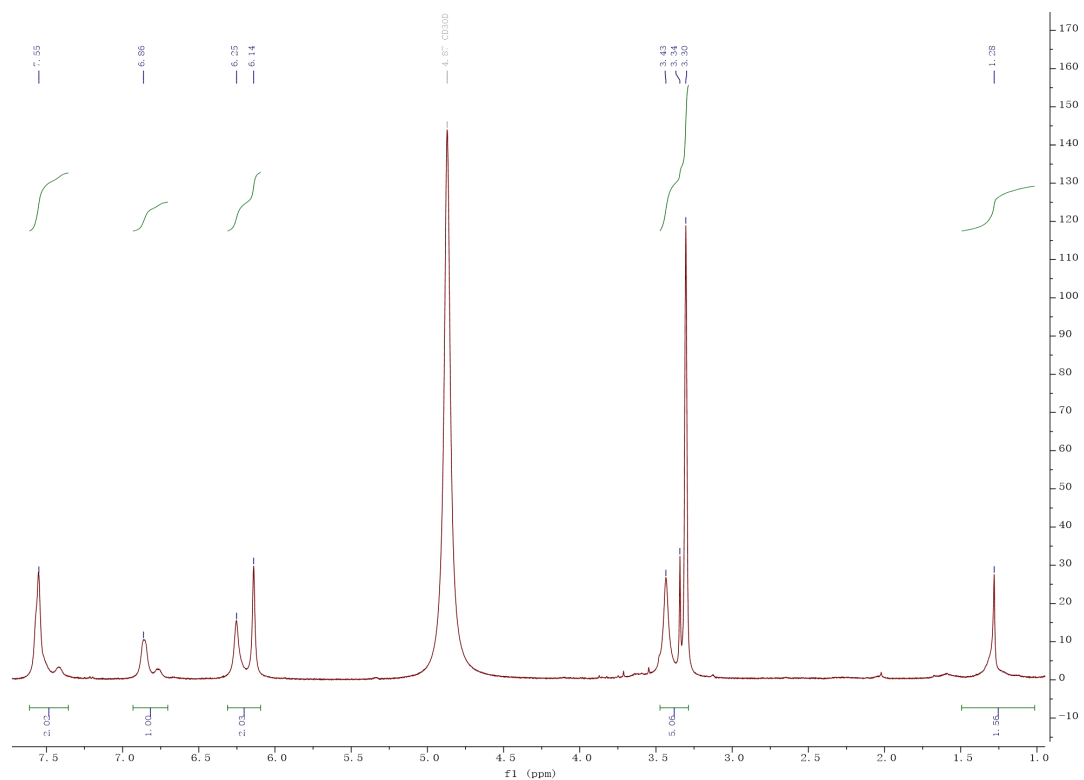


Figure S9 ¹H NMR sepectrum (400 MHz, CD₃OD) of compound **5**

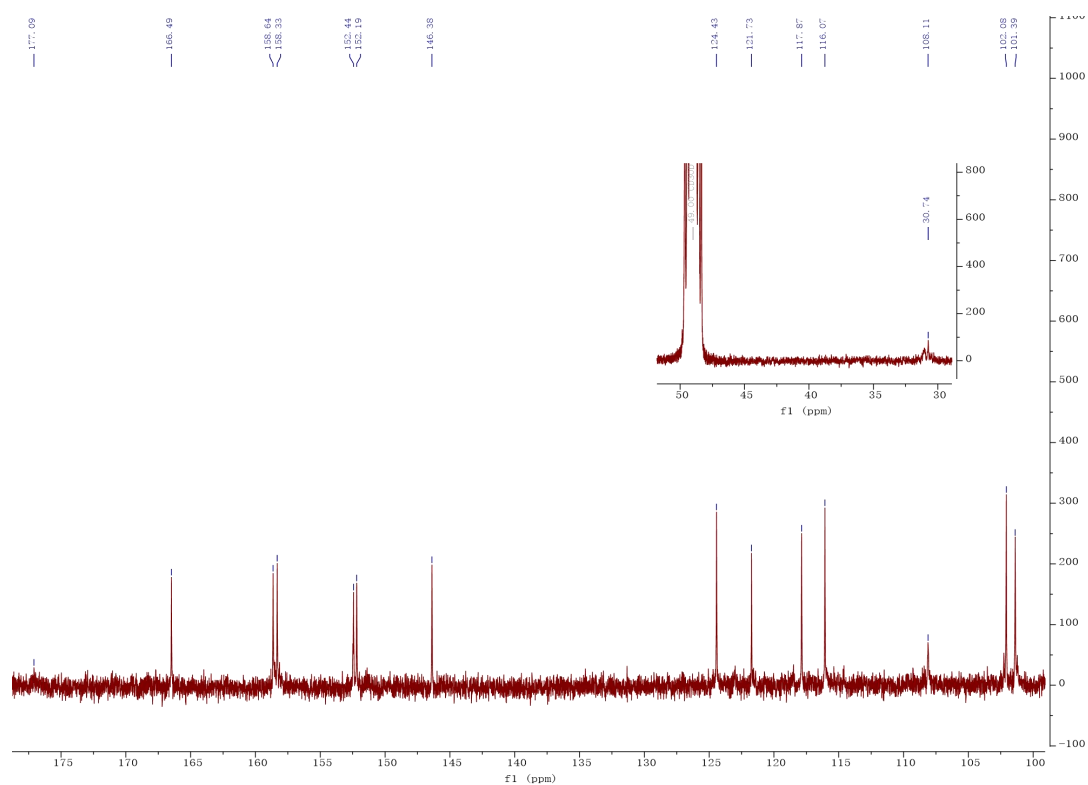


Figure S10 ¹³C NMR sepectrum (100 MHz, CD₃OD) of compound **5**

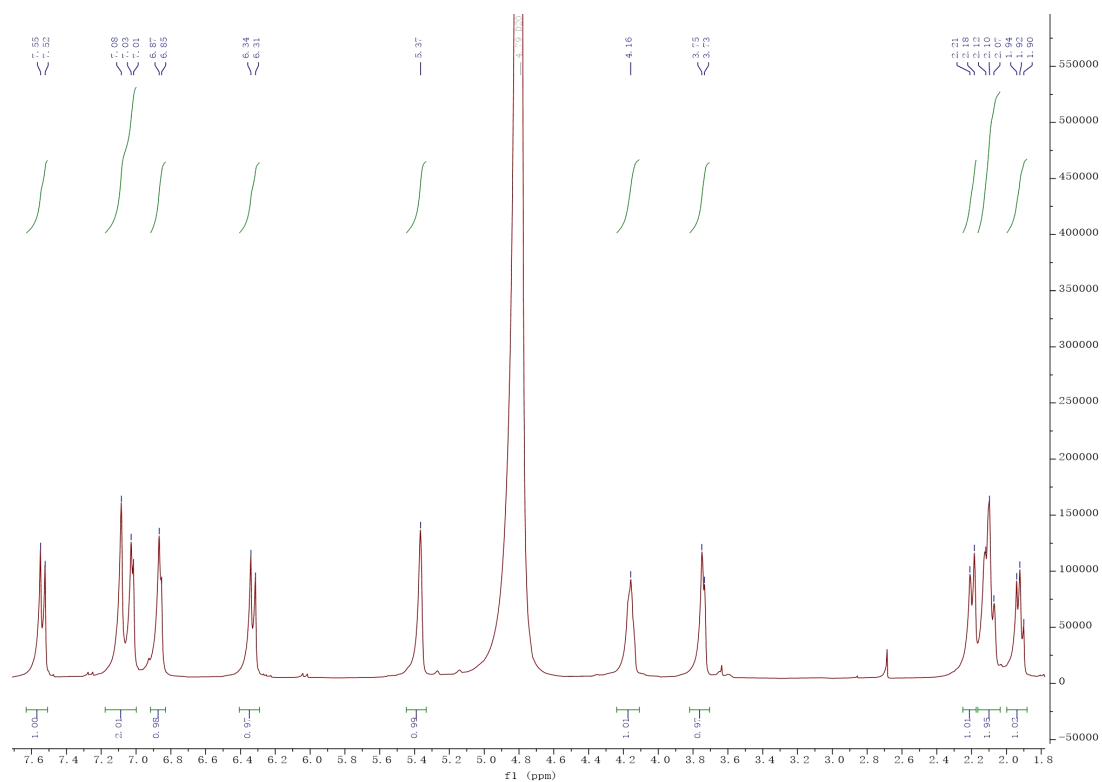


Figure S11 ¹H NMR spectrum (400 MHz, D₂O) of compound **6**

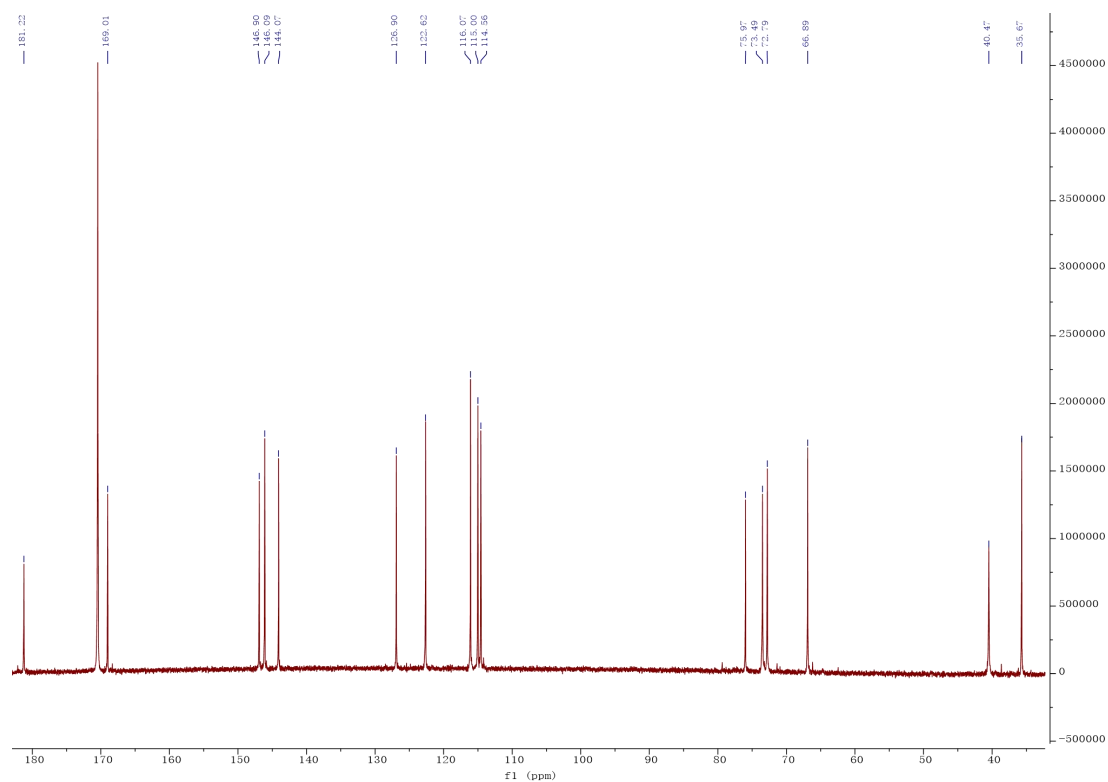


Figure S12 ¹³C NMR spectrum (100 MHz, D₂O) of compound **6**

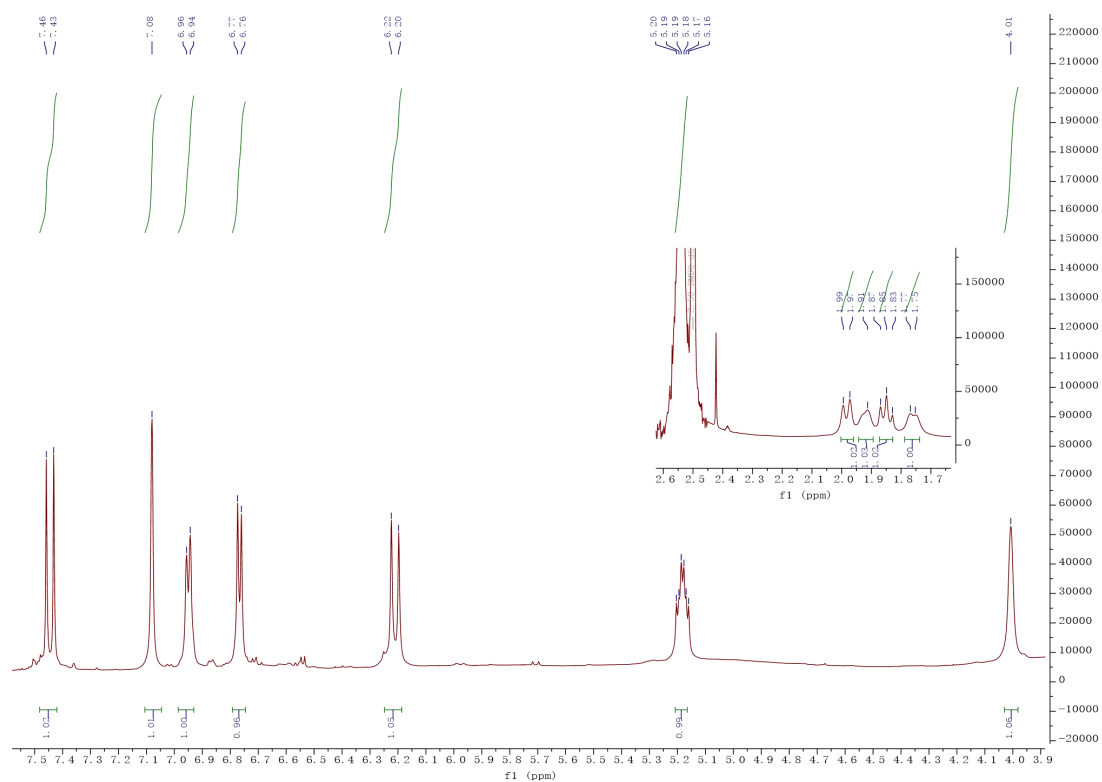


Figure S13 ¹H NMR sepectrum (400 MHz, DMSO) of compound 7

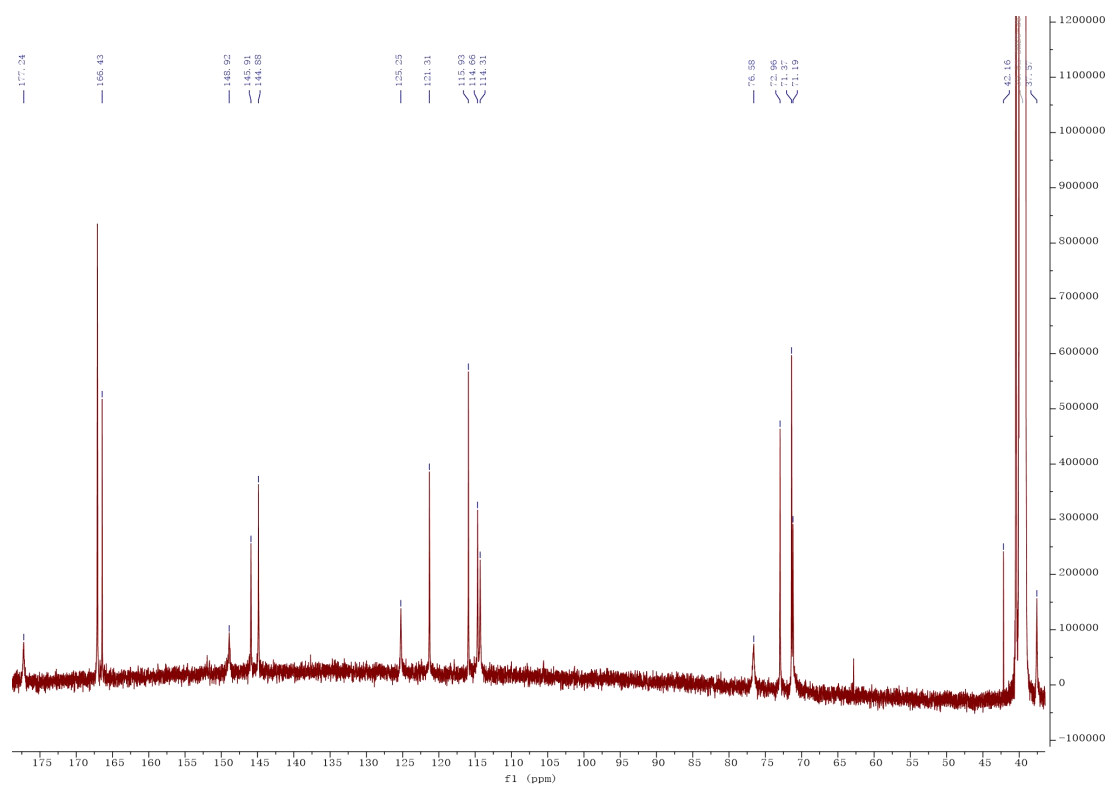


Figure S14 ¹³C NMR sepectrum (100 MHz, DMSO) of compound 7

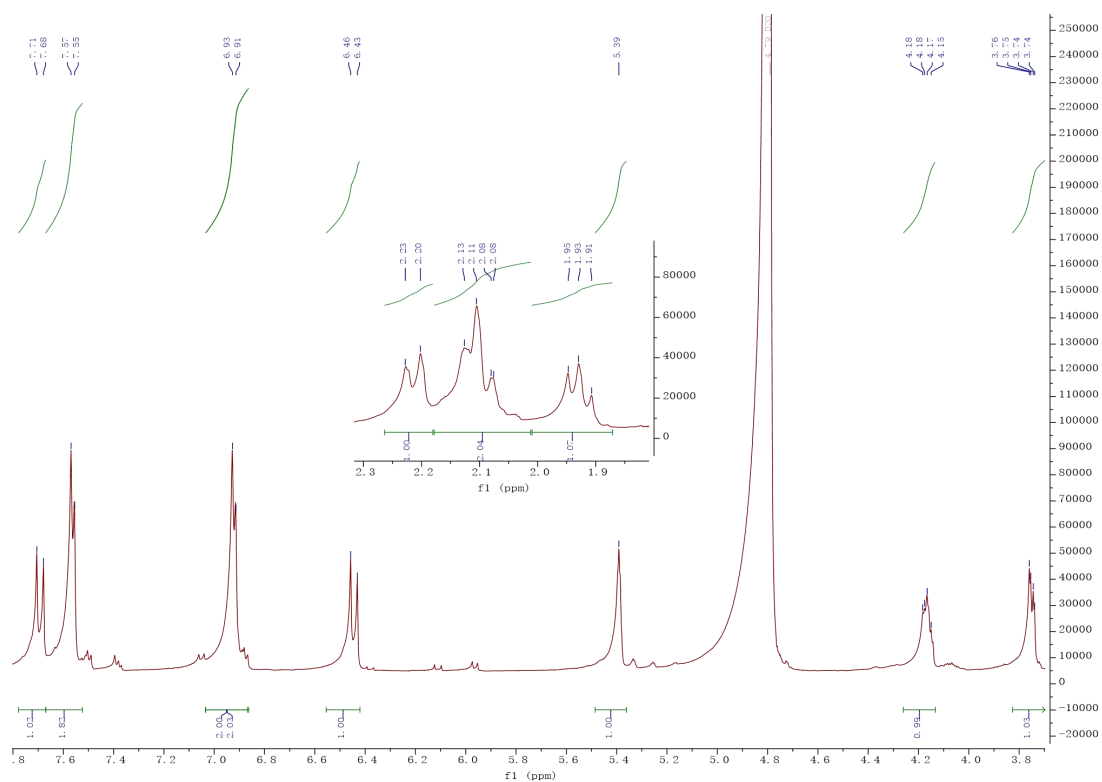


Figure S15 ^1H NMR spectrum (400 MHz, D_2O) of compound **8**

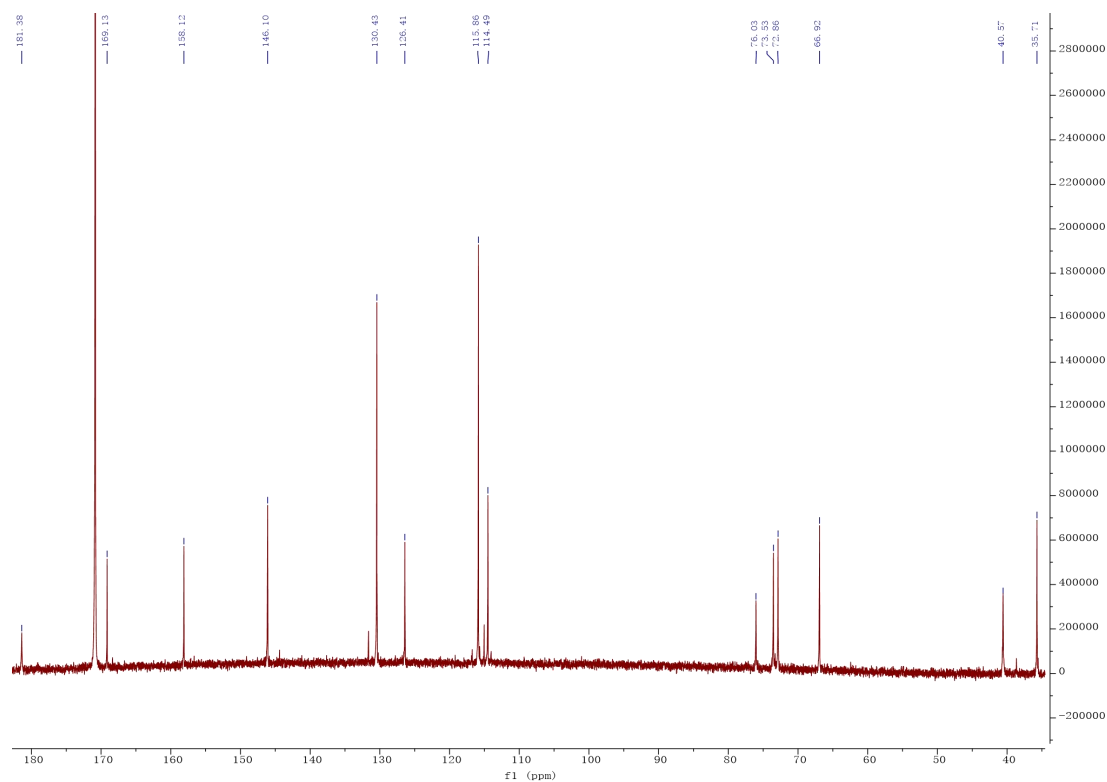


Figure S16 ^{13}C NMR spectrum (100 MHz, D_2O) of compound **8**