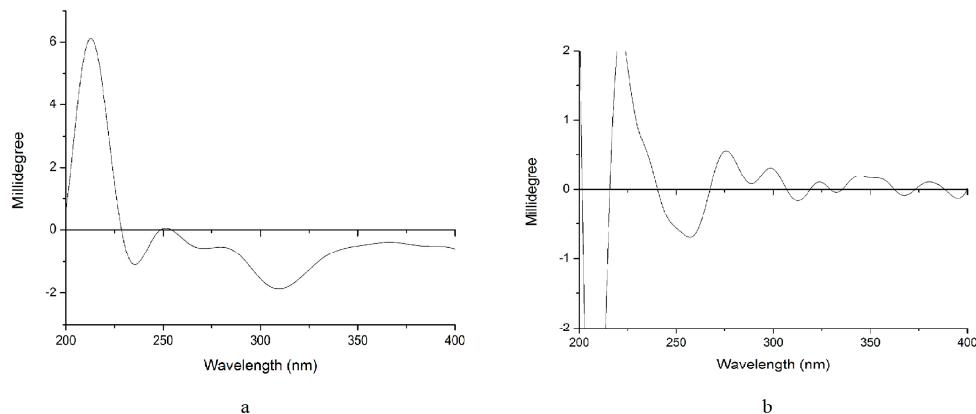
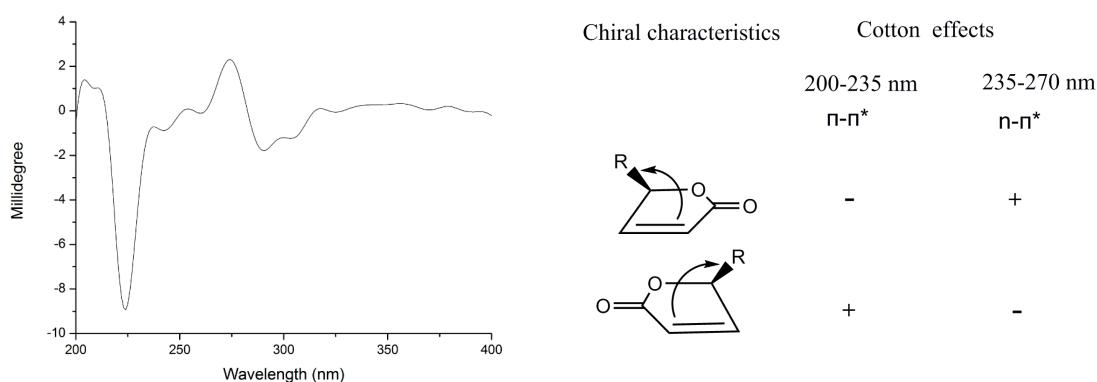


## Supplementary Materials: Three New Butenolides from the Fungus *Aspergillus* sp. CBS-P-2

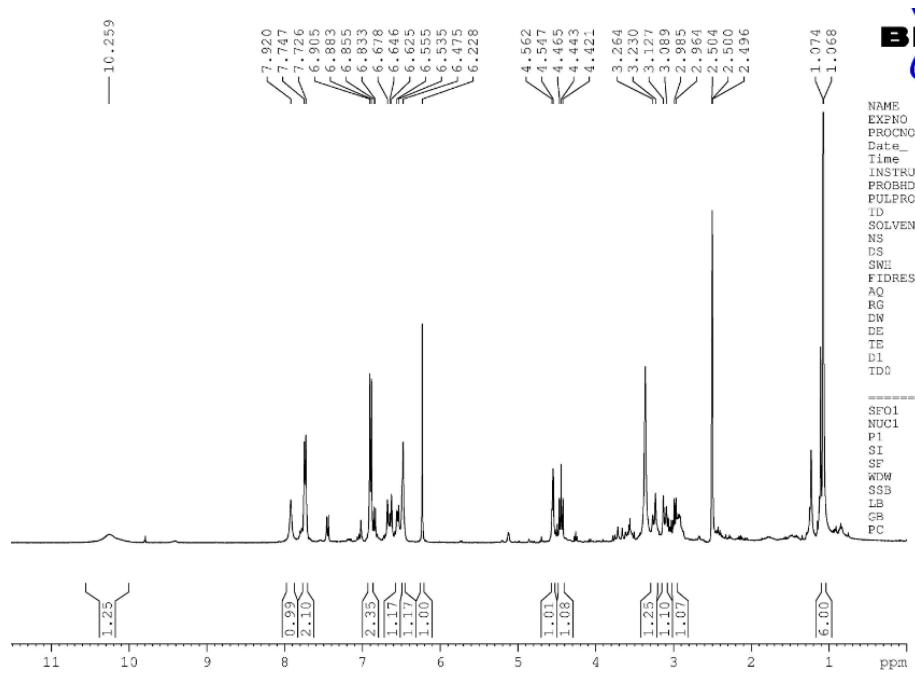
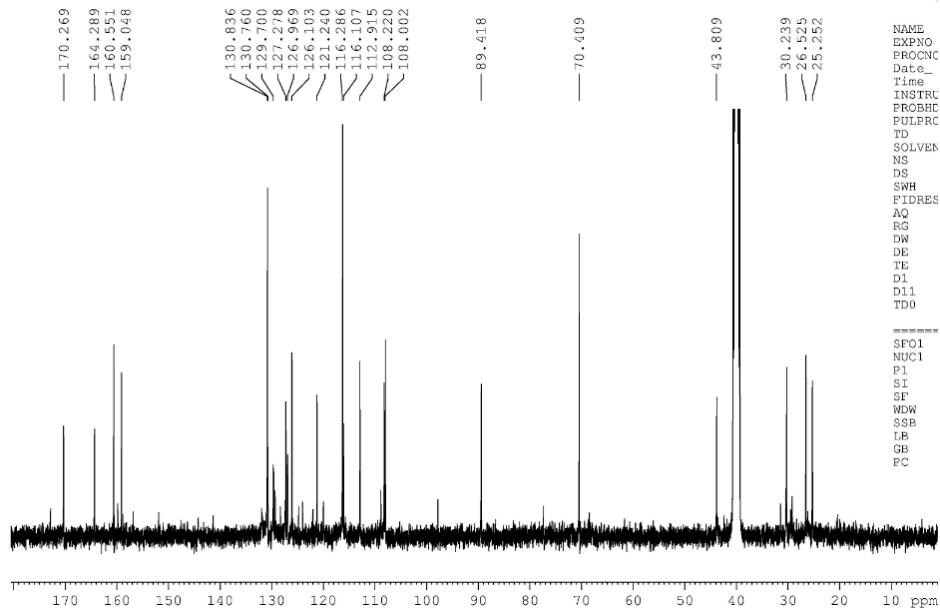
Xiao An, Yuehu Pei, Shaofei Chen, Shengge Li, Xiaolong Hu, Gang Chen, Bin Lin and Haifeng Wang

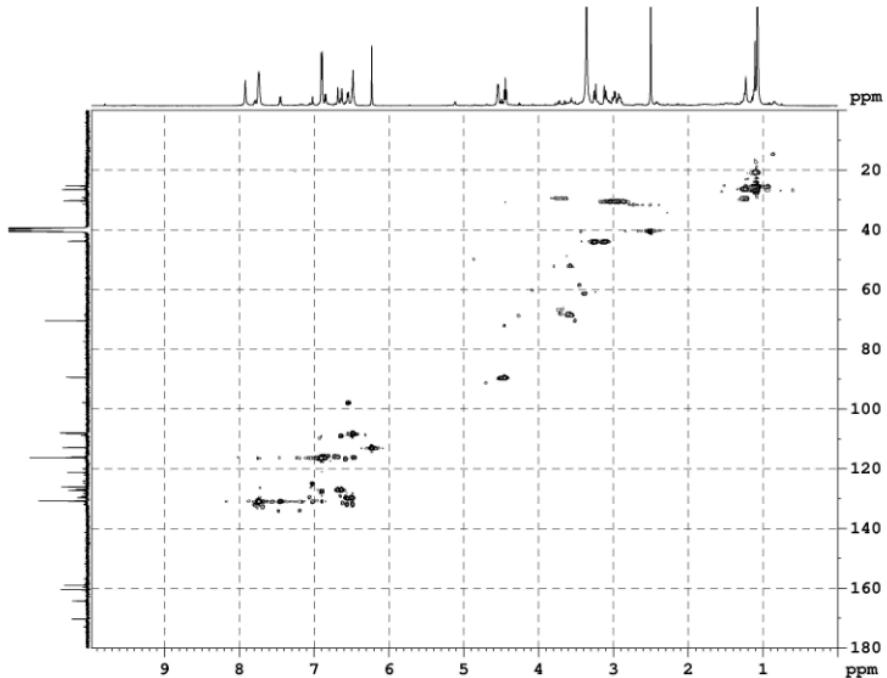


**Figure S1.** The CD spectrum of **1** and its CD spectrum in  $\text{CDCl}_3$  of  $[\text{Rh}_2(\text{OCOCF}_3)_4]$  with which the inherent contribution of **1** was subtracted.

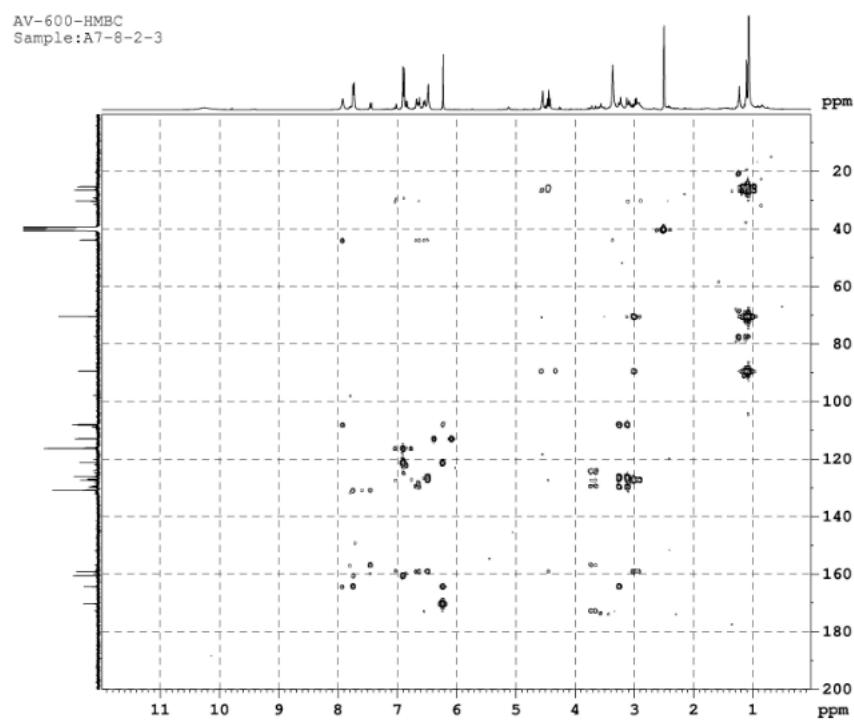


**Figure S2.** The CD spectrum of **2**.

**Figure S3.** The  $^1\text{H}$ -NMR (DMSO- $d_6$ , 400 MHz) data of **1**.**Figure S4.** The  $^{13}\text{C}$ -NMR (DMSO- $d_6$ , 100 MHz) data of **1**.



**Figure S5.** The HSQC spectrum of **1**.



**Figure S6.** The HMBC spectrum of **1**.

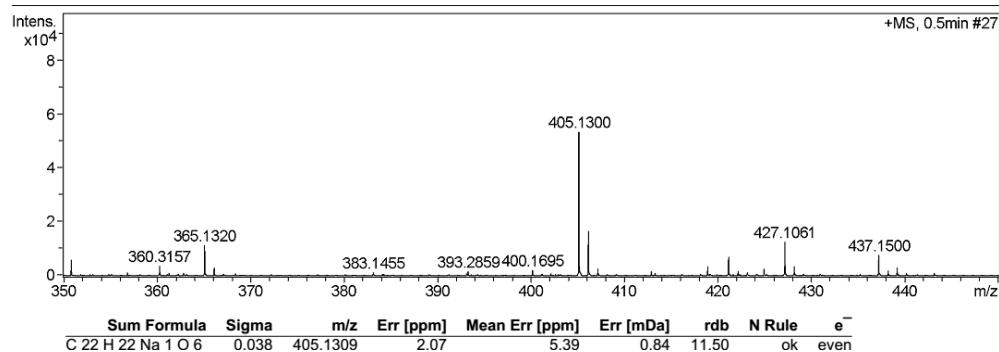


Figure S7. The HR-ESI-MS spectrum of 1.

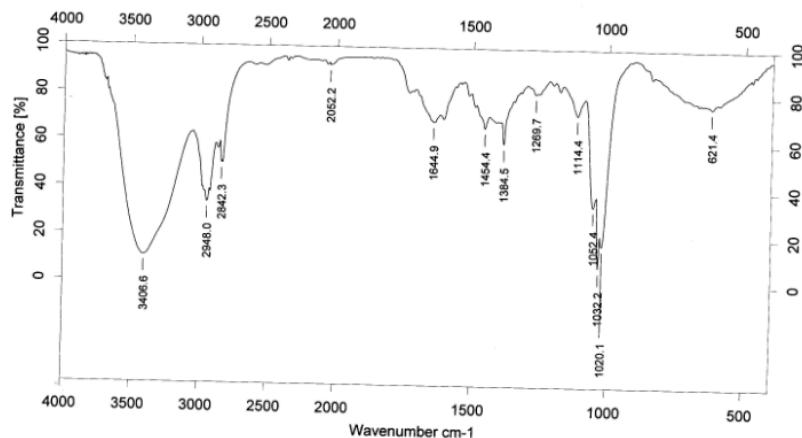
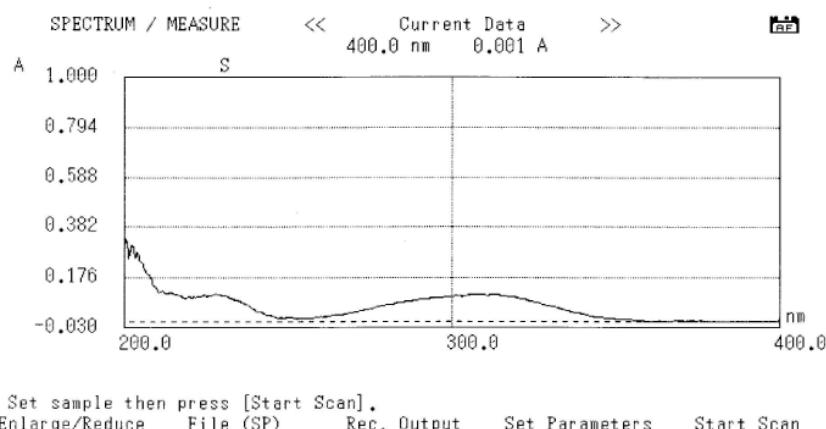
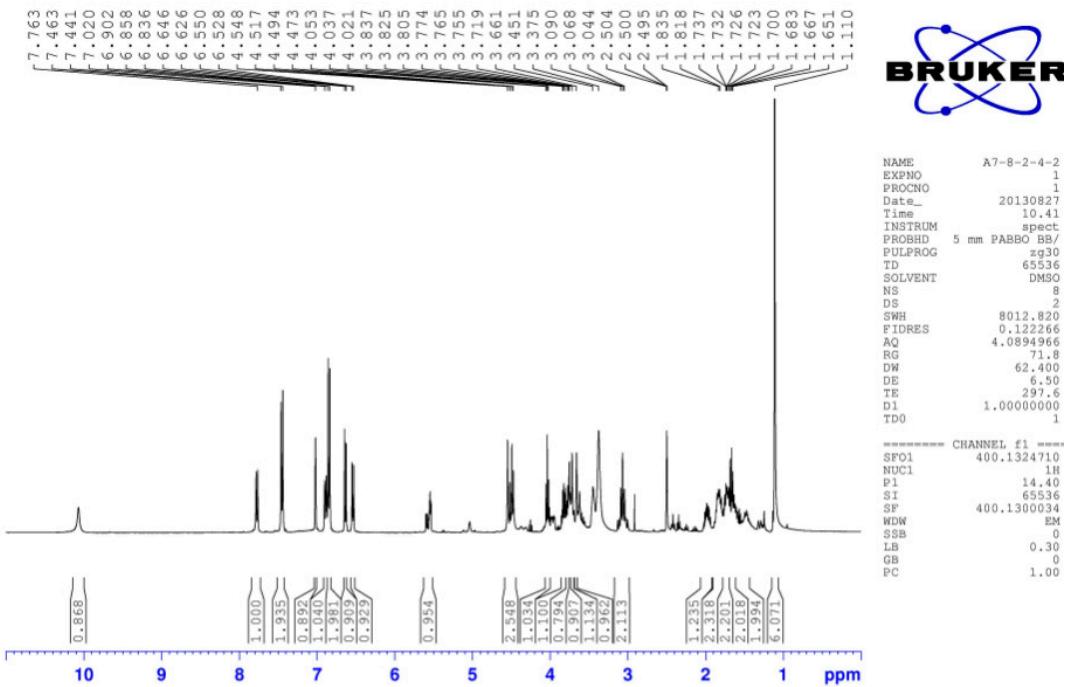


Figure S8. IR spectrum of 1.

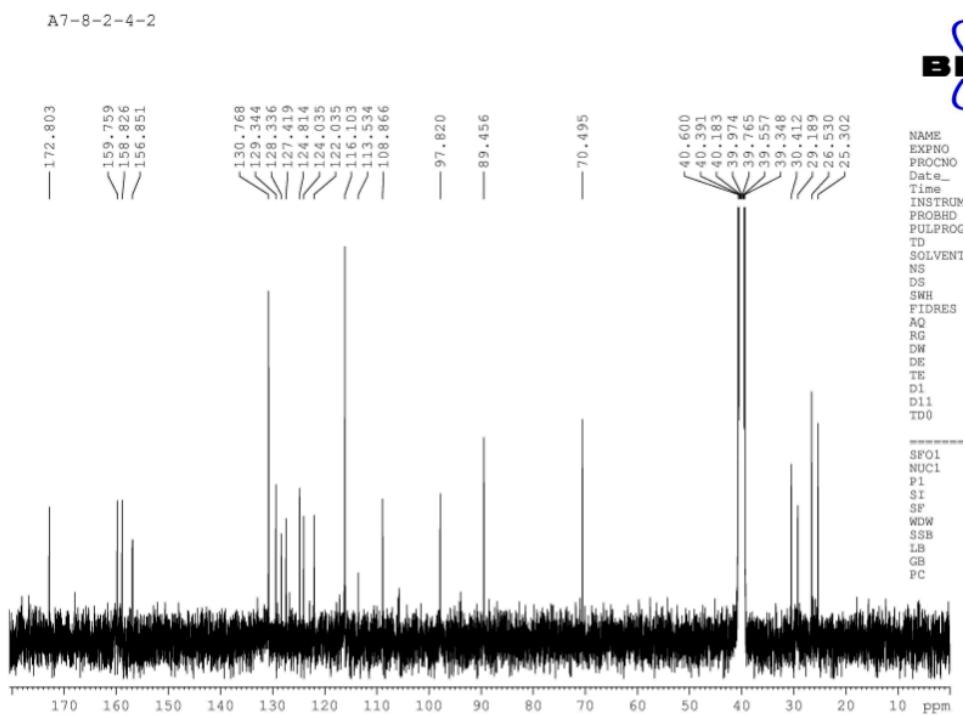


NO.	ABSCISSA	PEAK	HEIGHT	ABSCISSA	VALLEY	HEIGHT
1	227.8	0.1095	0.0209	218.2	0.0906	-0.0200
2	202.4	0.3053	0.0660	212.6	0.1088	-0.0213
3				201.2	0.2547	-0.0578

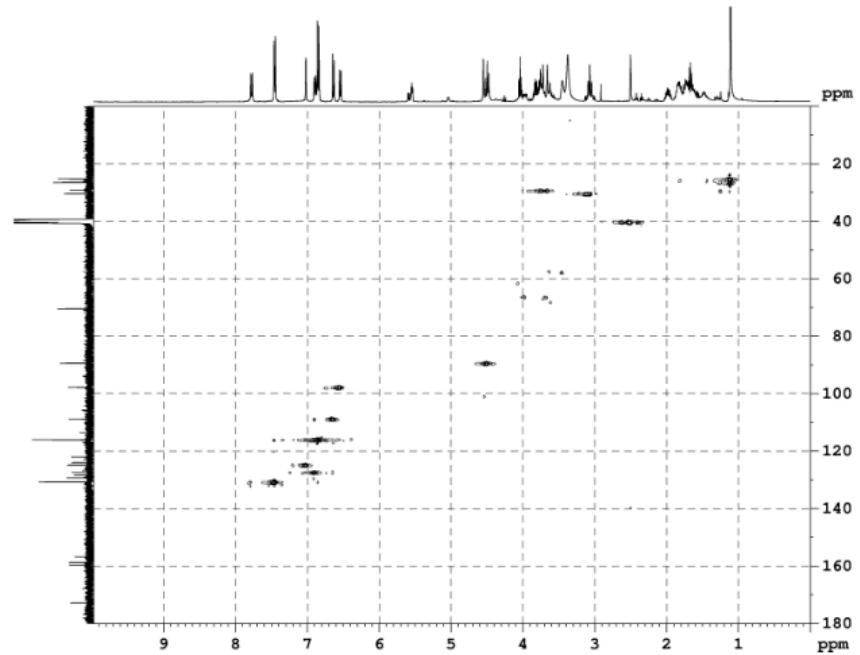
Figure S9. The UV spectrum of 1.



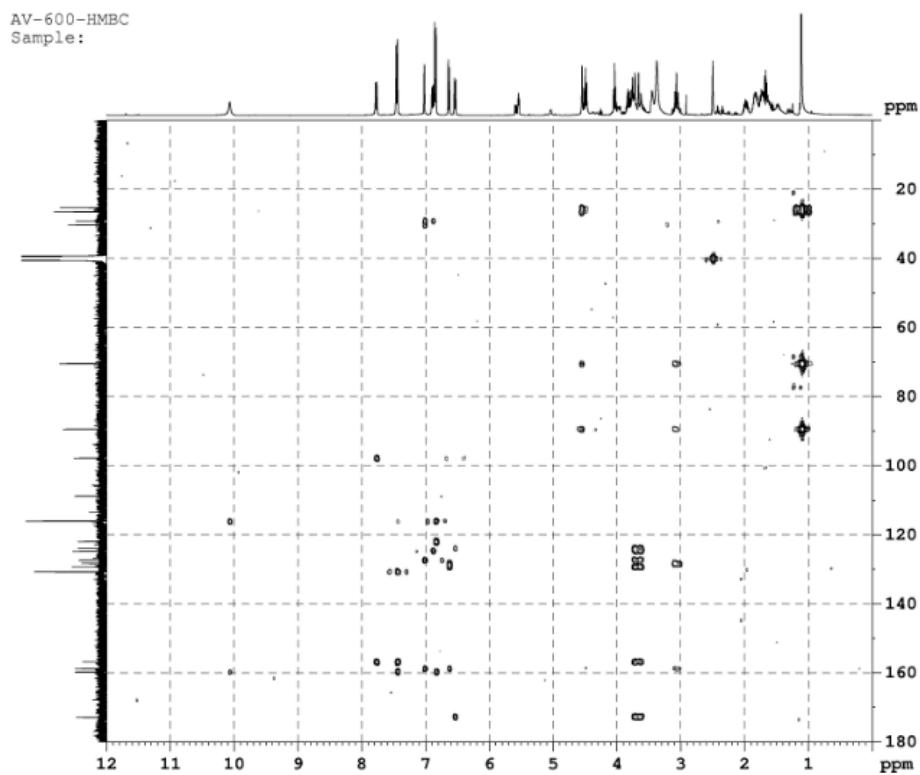
**Figure S10.** The  $^1\text{H}$ -NMR ( $\text{DMSO}-d_6$ , 400 MHz) data of 2.



**Figure S11.** The  $^{13}\text{C}$ -NMR ( $\text{DMSO}-d_6$ , 100 MHz) data of 2.



**Figure S12.** The HSQC spectrum of 2.



**Figure S13.** The HMBC spectrum of 2.

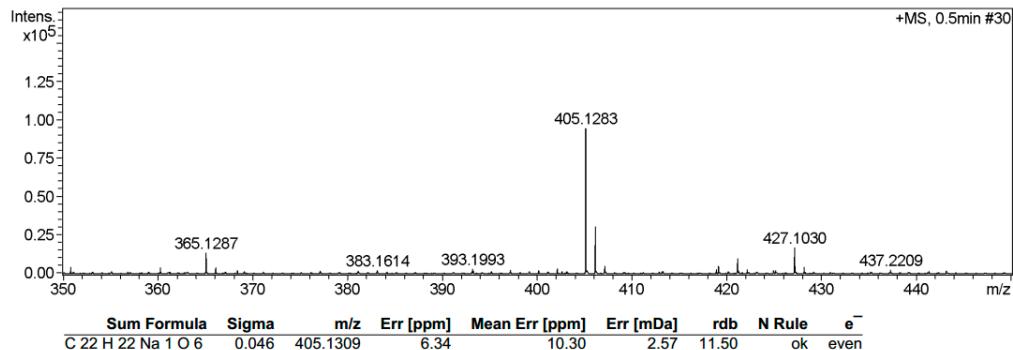


Figure S14. The HR-ESI-MS spectrum of 2.

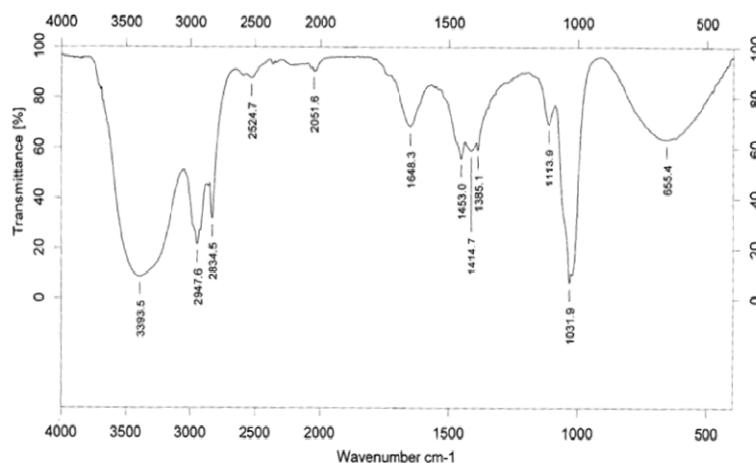
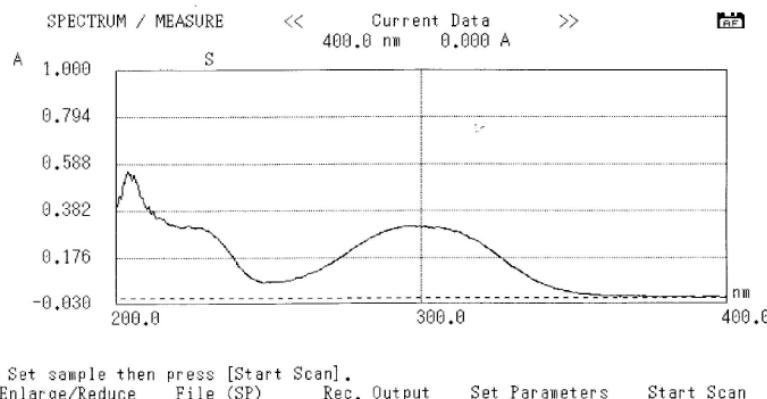
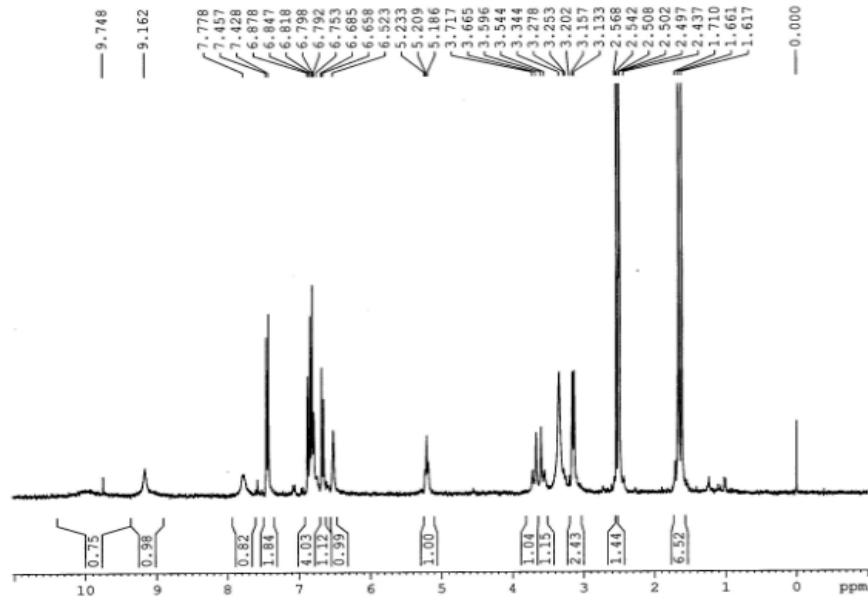


Figure S15. The IR spectrum of 2.

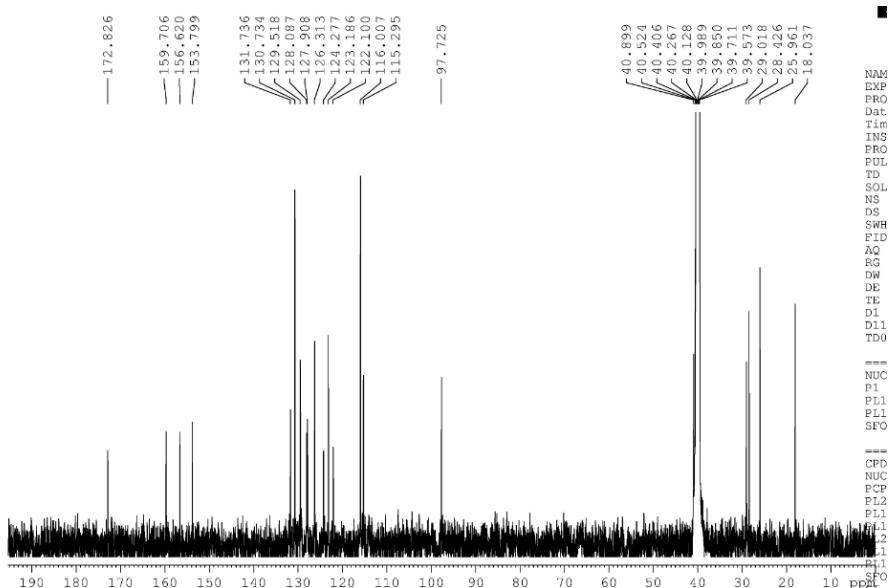


No.	ABSCISSA	PEAK	HEIGHT	ABSCISSA	VALLEY	HEIGHT
1	226.8	0.3113	0.0136	248.0	0.0679	-0.0051
2	223.6	0.3205	0.0101	211.4	0.3684	-0.0302
3	212.2	0.3825	0.0285			
4	203.6	0.5558	0.1620			

Figure S16. The UV spectrum of 2.

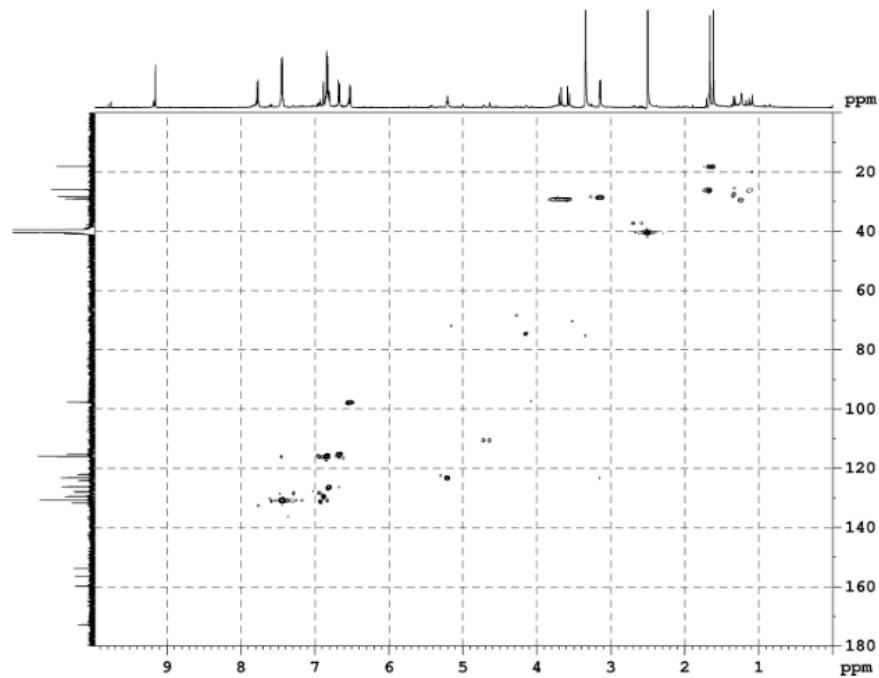


**Figure S17.** The  $^1\text{H}$ -NMR (DMSO- $d_6$ , 400 MHz) data of 3.



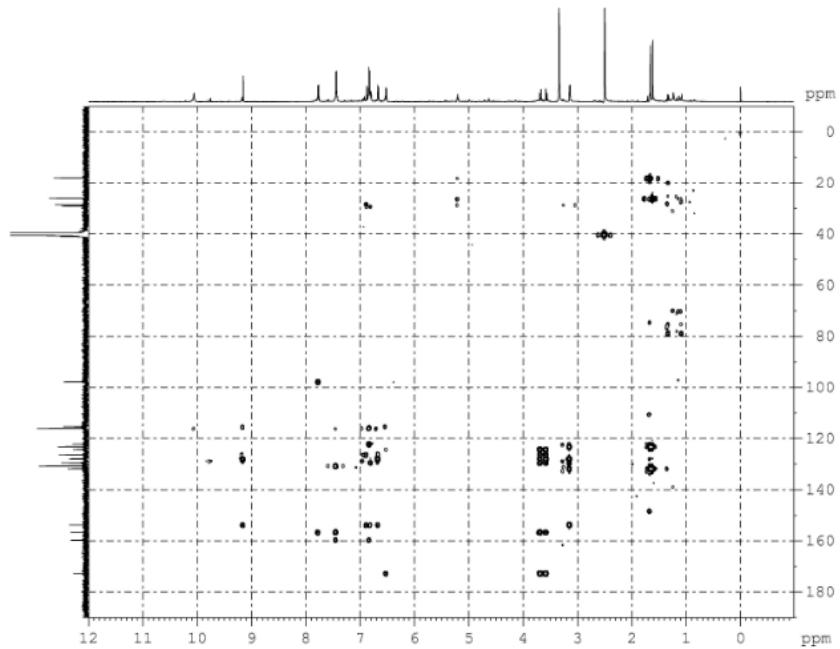
**Figure S18.** The  $^{13}\text{C}$ -NMR ( $\text{DMSO-}d_6$ , 100 MHz) data of 3.

Sample:A7-6-2-8



**Figure S19.** The HSQC spectrum of 3.

AV-600-HMBC  
Sample:A7-6-2-8



**Figure S20.** The HMBC spectrum of 3.

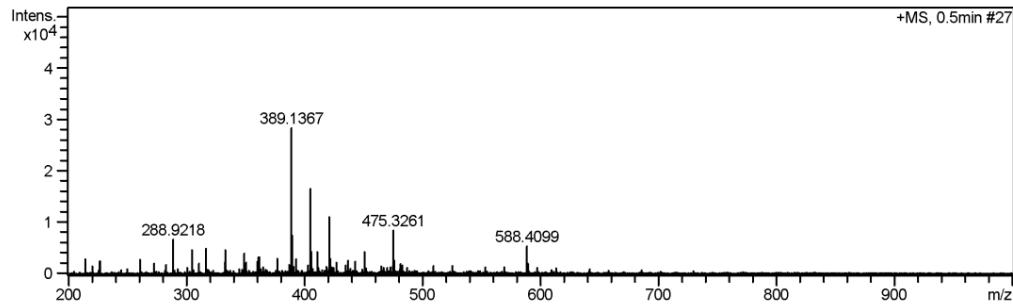


Figure S21. The HR-ESI-MS spectrum of 3.

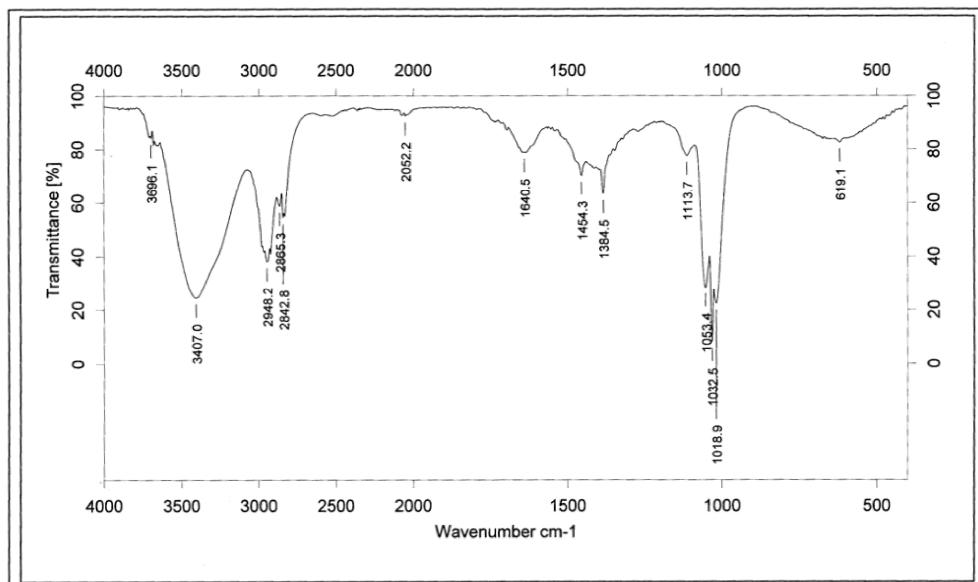
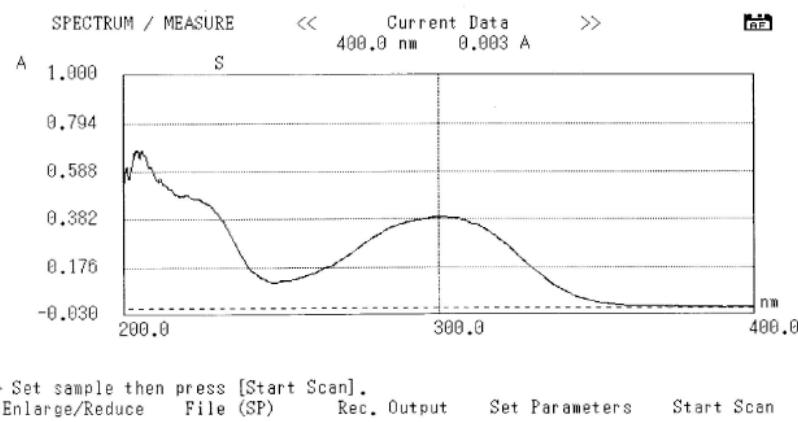
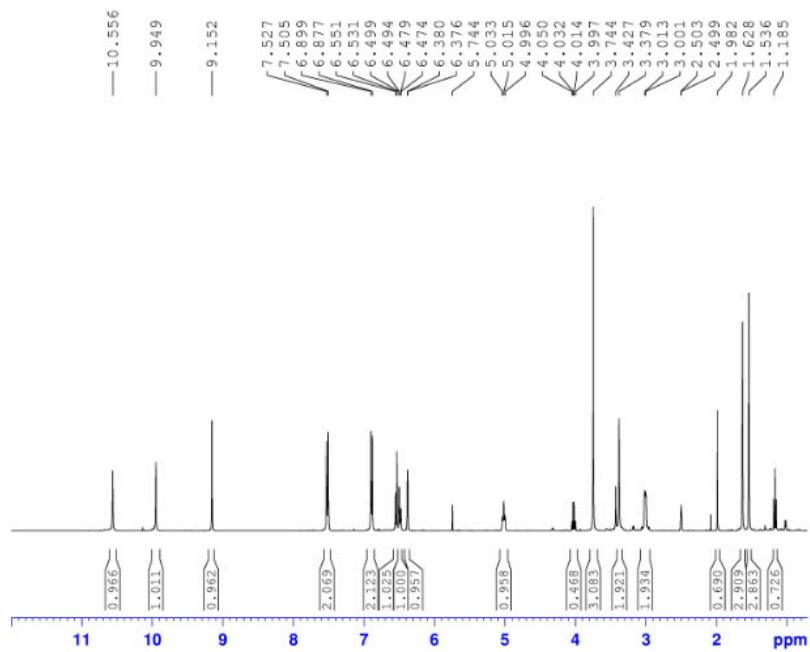


Figure 22. The IR spectrum of 3.

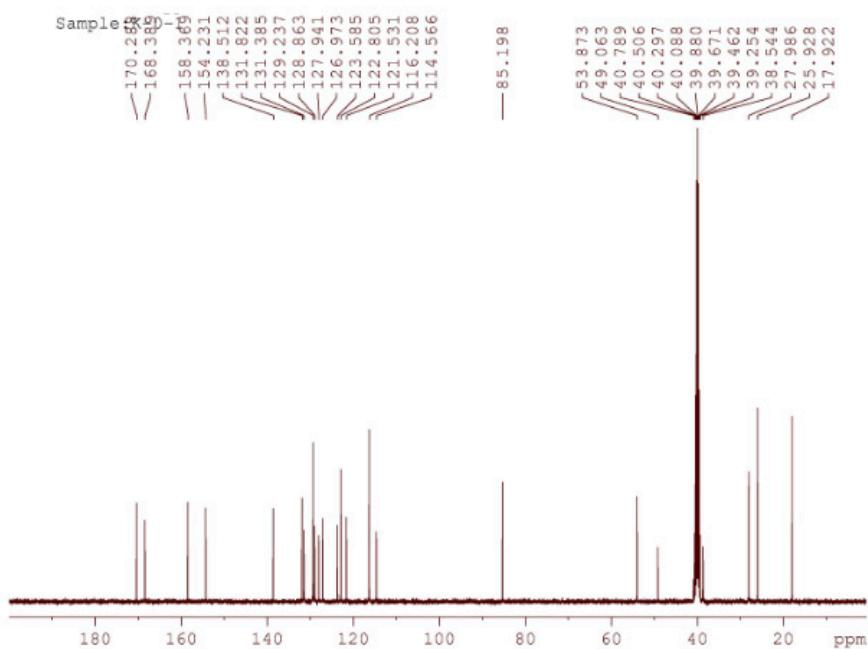


NO.	ABSCISSA	PEAK	HEIGHT	ABSCISSA	VALLEY	HEIGHT
1	301.2	0.3926	0.0141	248.2	0.1097	-0.3428
2	220.2	0.4888	0.0428	217.6	0.4773	-0.0390
3	205.8	0.6805	0.0481	205.0	0.6429	-0.0363
4	204.2	0.6819	0.0579			

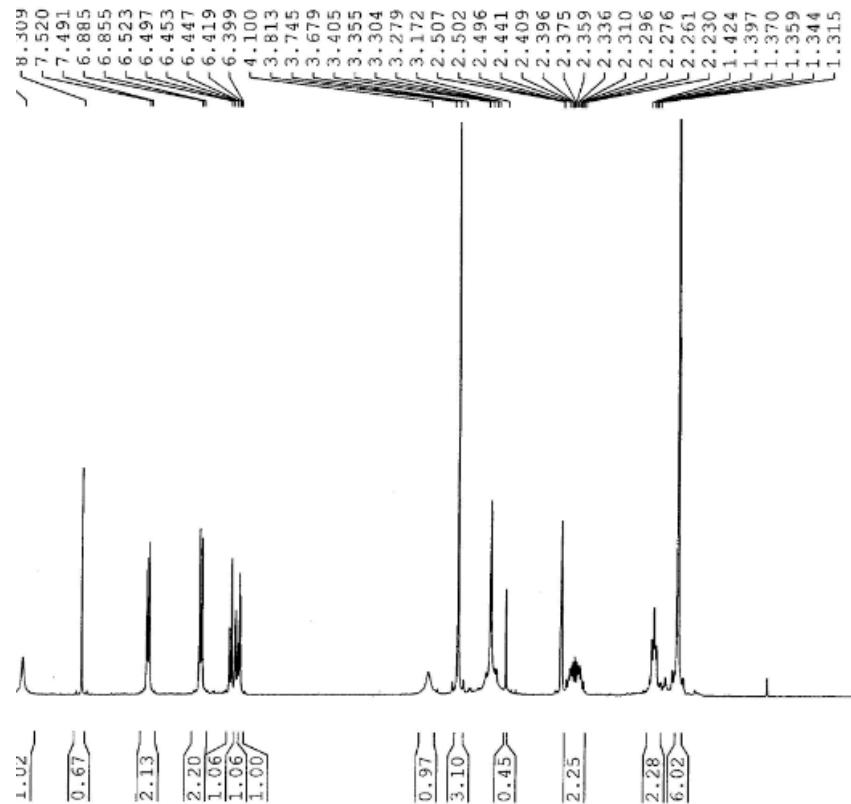
Figure S23. The UV spectrum of 3.



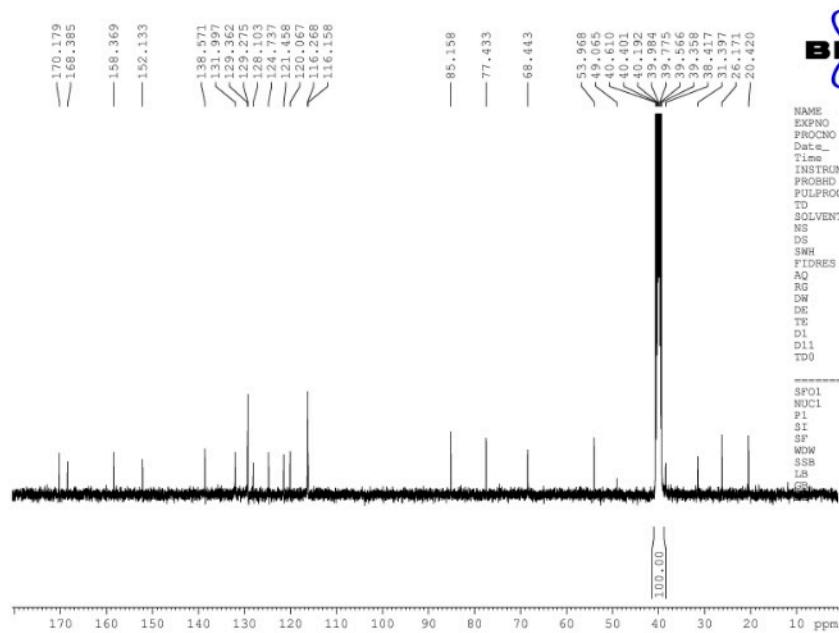
**Figure S24.** The  $^1\text{H}$ -NMR (DMSO- $d_6$ , 400 MHz) data of 4.



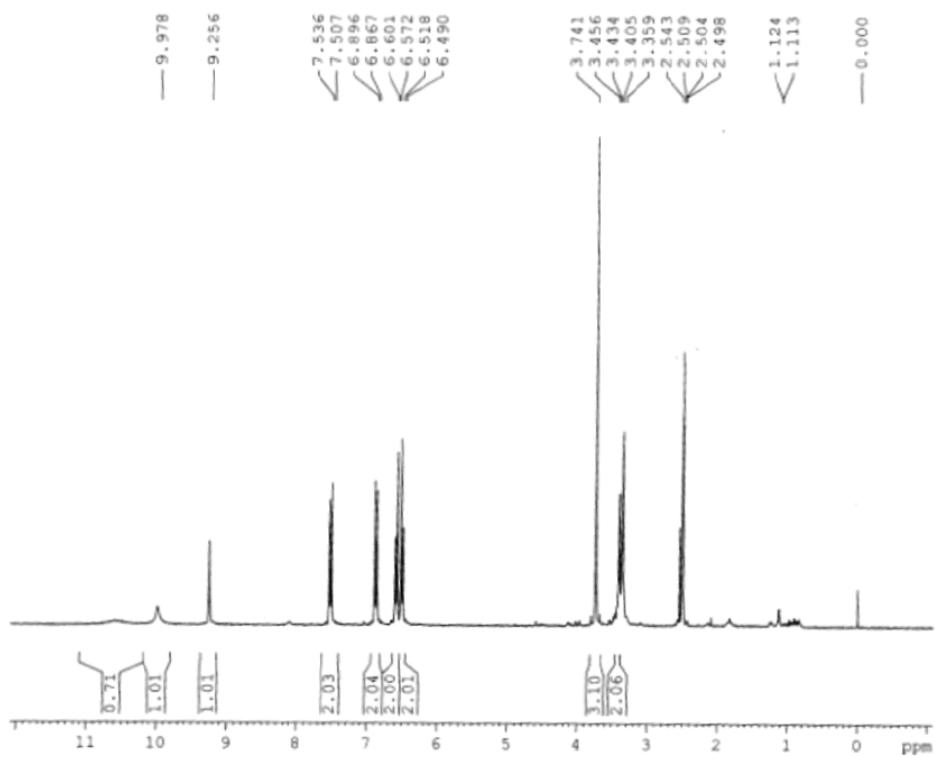
**Figure S25.** The  $^{13}\text{C}$ -NMR ( $\text{DMSO}-d_6$ , 100 MHz) data of 4.



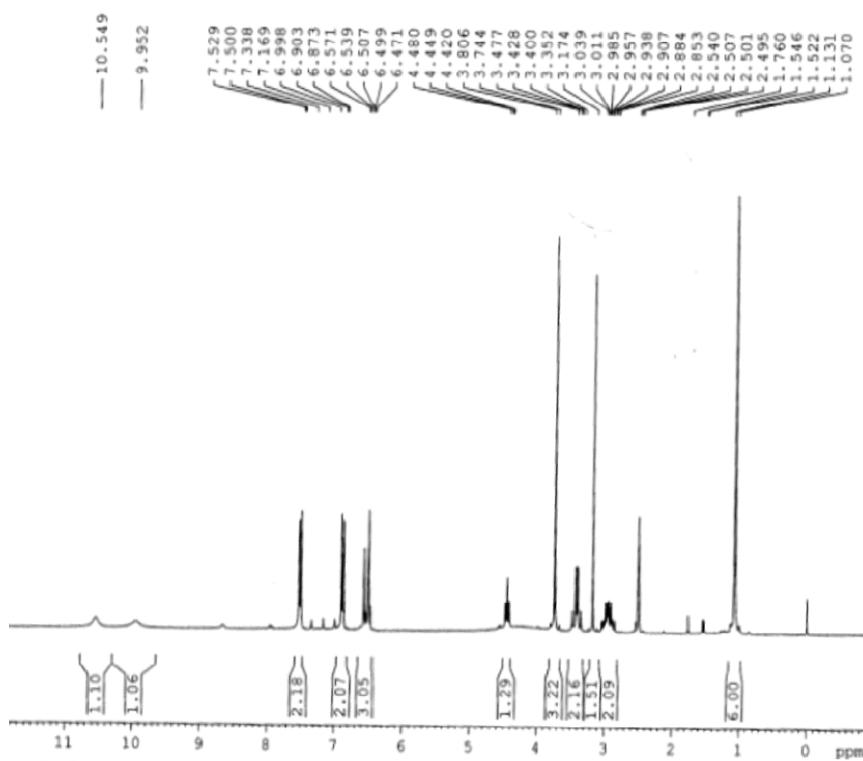
**Figure S26.** The  $^1\text{H}$ -NMR ( $\text{DMSO}-d_6$ , 300 MHz) data of **5**.



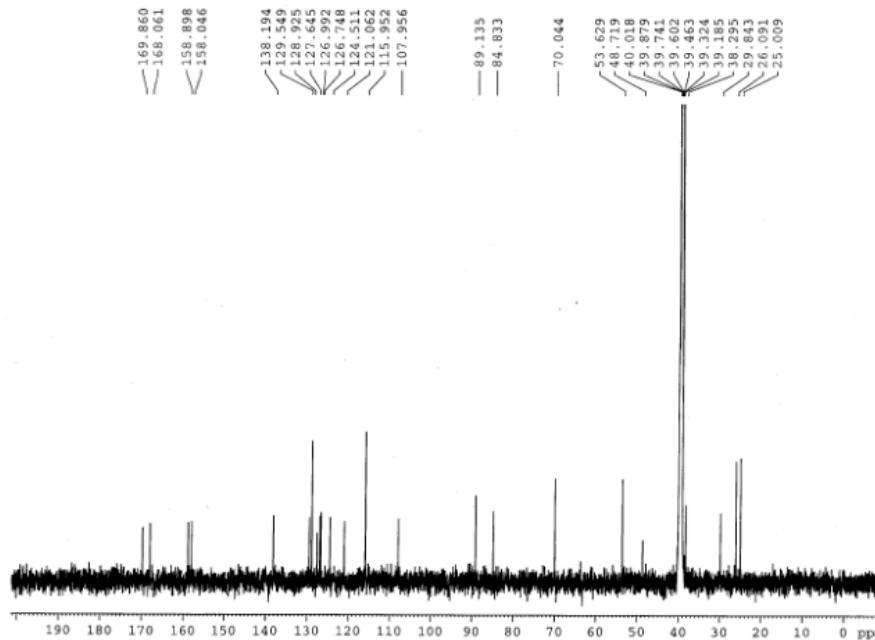
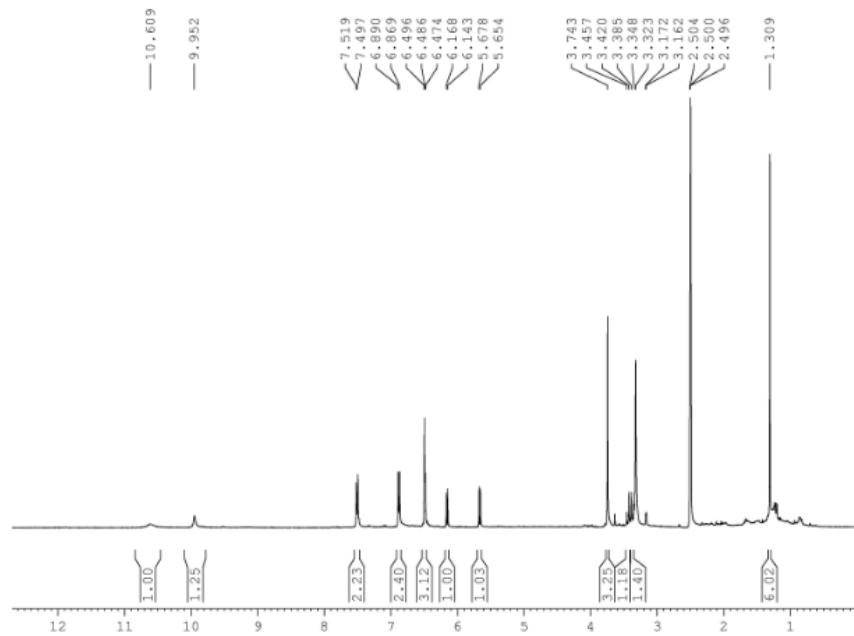
**Figure S27.** The  $^{13}\text{C}$ -NMR ( $\text{DMSO}-d_6$ , 75 MHz) data of **5**.

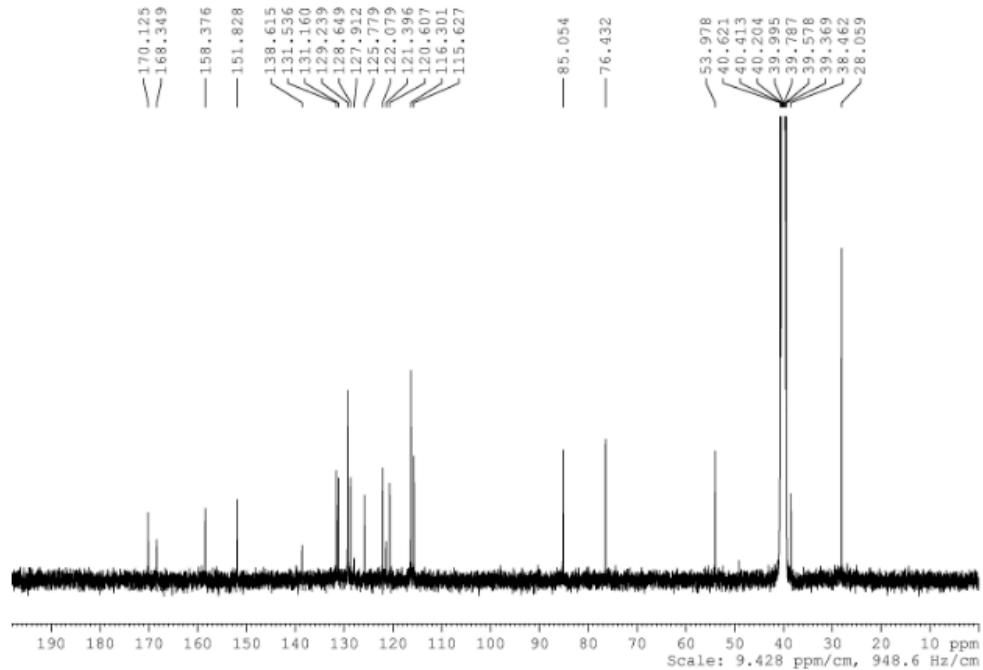


**Figure S28.** The  $^1\text{H}$ -NMR ( $\text{DMSO}-d_6$ , 400 MHz) data of **6**.

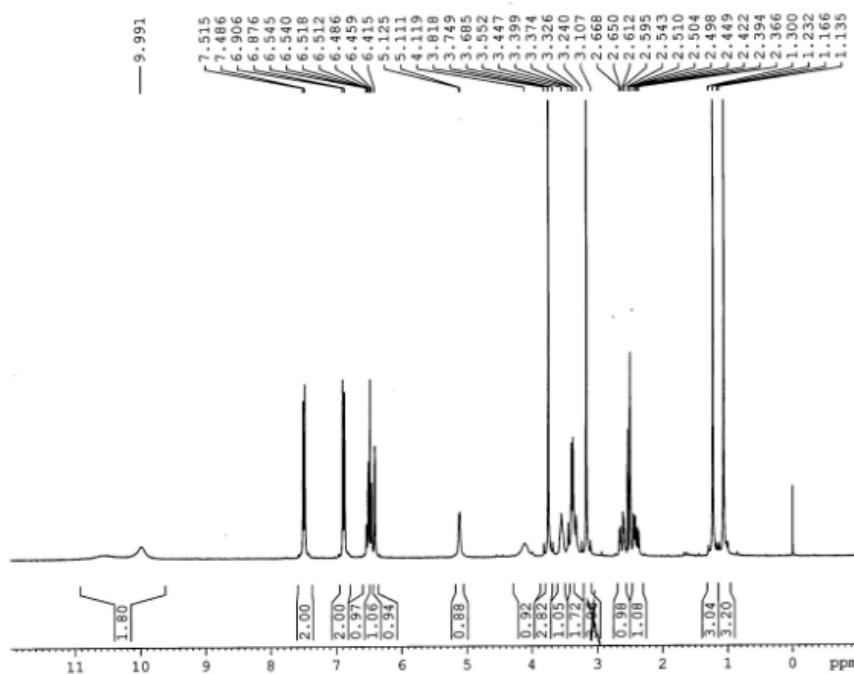


**Figure S29.** The  $^1\text{H}$ -NMR ( $\text{DMSO}-d_6$ , 400 MHz) data of 7.

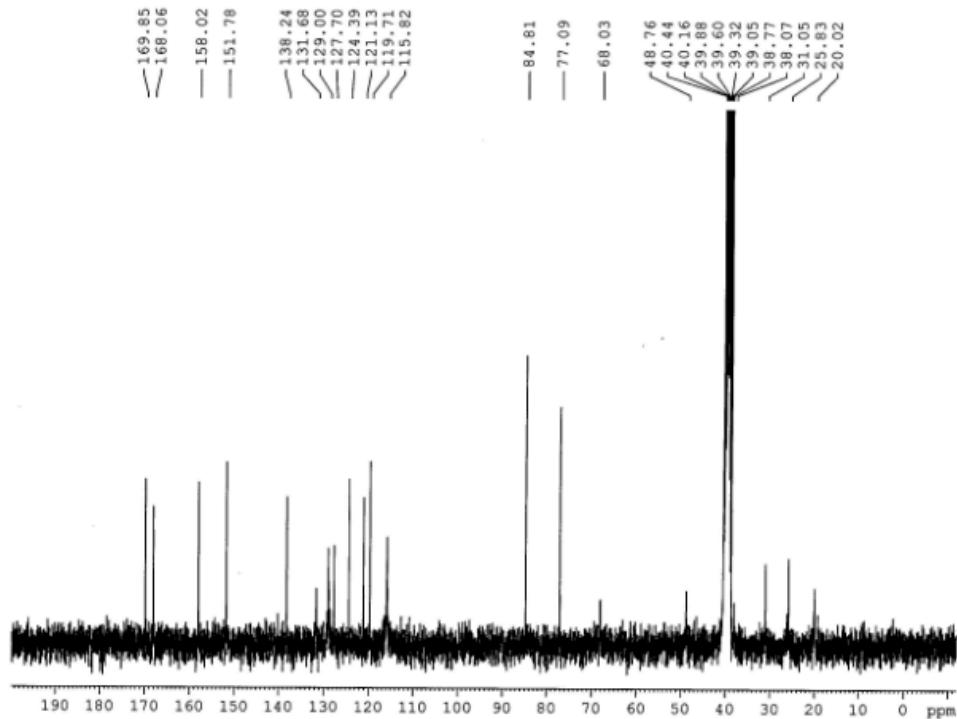
**Figure S30.** The  $^{13}\text{C}$ -NMR ( $\text{DMSO}-d_6$ , 100 MHz) data of 7.**Figure S31.** The  $^1\text{H}$ -NMR ( $\text{DMSO}-d_6$ , 400 MHz) data of 8.



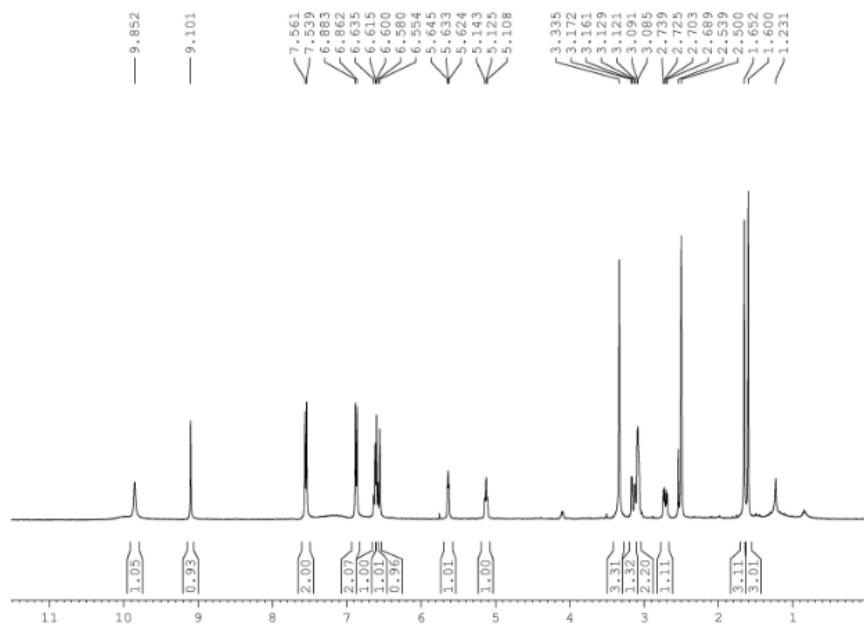
**Figure S32.** The  $^{13}\text{C}$ -NMR ( $\text{DMSO}-d_6$ , 100 MHz) data of 8.

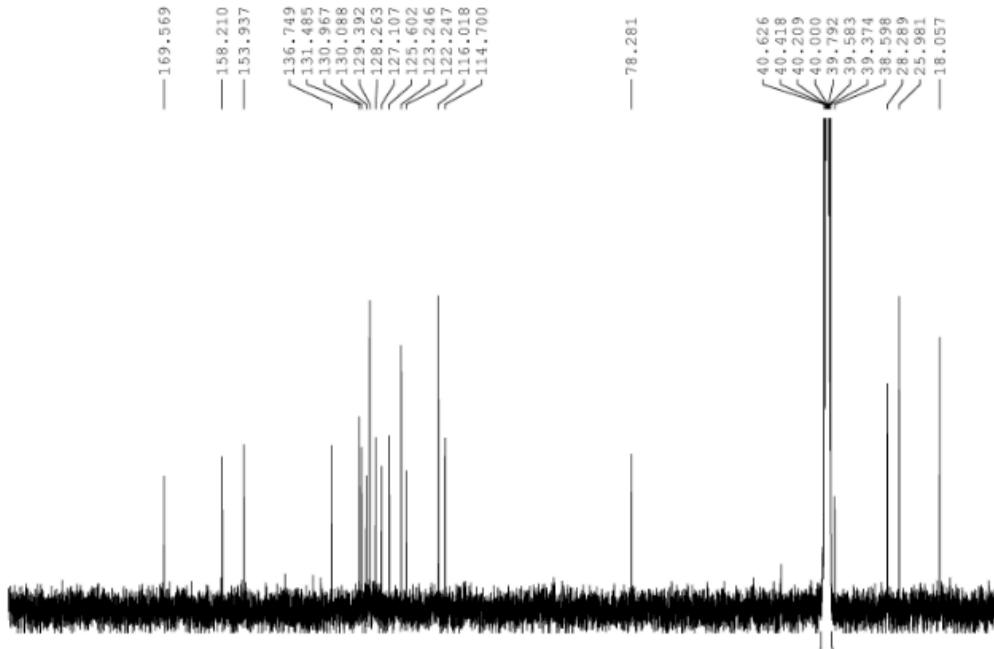


**Figure S33.** The  $^1\text{H}$ -NMR ( $\text{DMSO}-d_6$ , 400 MHz) data of 9.



**Figure S34.** The <sup>13</sup>C-NMR (DMSO-*d*<sub>6</sub>, 100 MHz) data of **9**.





**Figure S36.** The  $^{13}\text{C}$ -NMR ( $\text{DMSO}-d_6$ , 100 MHz) data of **10**.