Supplementary Information

Phenylethylpyranone and Aristolochic Acid Derivatives from *Aristolochia urupaensis*

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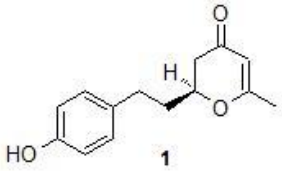

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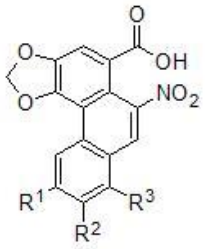
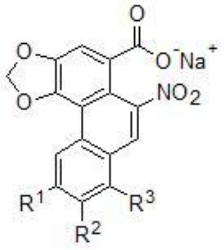
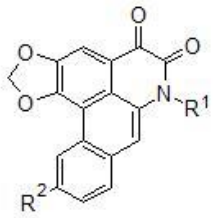


	R^1	R^2	R^3
2	OH	H	H
3	H	H	H
4	H	H	OCH_3
5	H	OCH_3	H

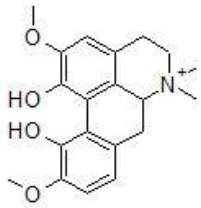


	R^1	R^2	R^3
6	OH	H	H
7	H	H	H
8	H	OCH_3	H
9	H	OH	H

	R^1	R^2	R^3	R^4
10	Glc	OH	$-OCH_2O-$	
11	H	H	$-OCH_2O-$	
12	Glc	H	$-OCH_2O-$	
13	H	OH	$-OCH_2O-$	
14	H	H	OH	OCH_3



	R^1	R^2
15	CH_3	H
16	H	OH



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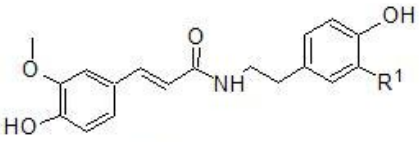
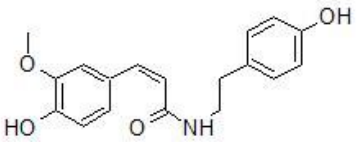


	R^1
18	H
19	OCH_3



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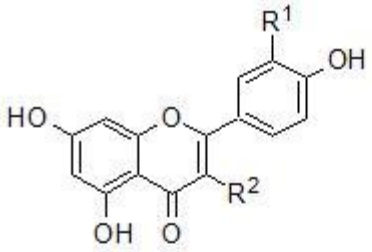
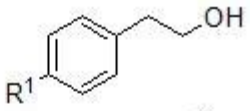
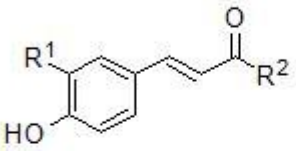


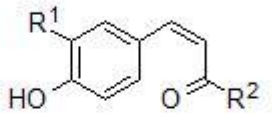
	R^1	R^2
21	OH	*O*-Glc-(1→6)-Glc
22	OH	*O*-Glc
23	H	*O*-Glc-(1→6)-Glc
24	H	*O*-β-6-(*p*-coumaroyl)-Glc



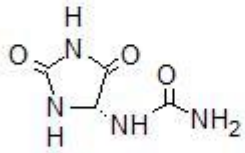
	R^1
25	*O*-Glc
26	*O*-Xyl-(1→6)-Glc



	R^1	R^2
27	OCH_3	OH
28	H	*O*-(α and β-Glc)
29	H	OCH_2CH_3



	R^1	R^2
30	OCH_3	OH
31	H	*O*-(α and β-Glc)
32	H	OCH_2CH_3



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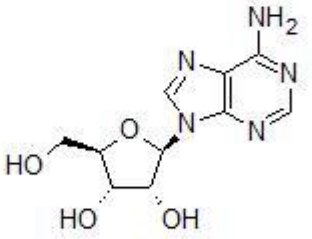

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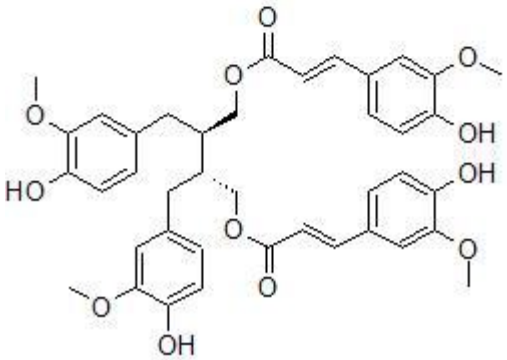

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Figure S1. Chemical constituents from *Aristolochia urupaensis*.

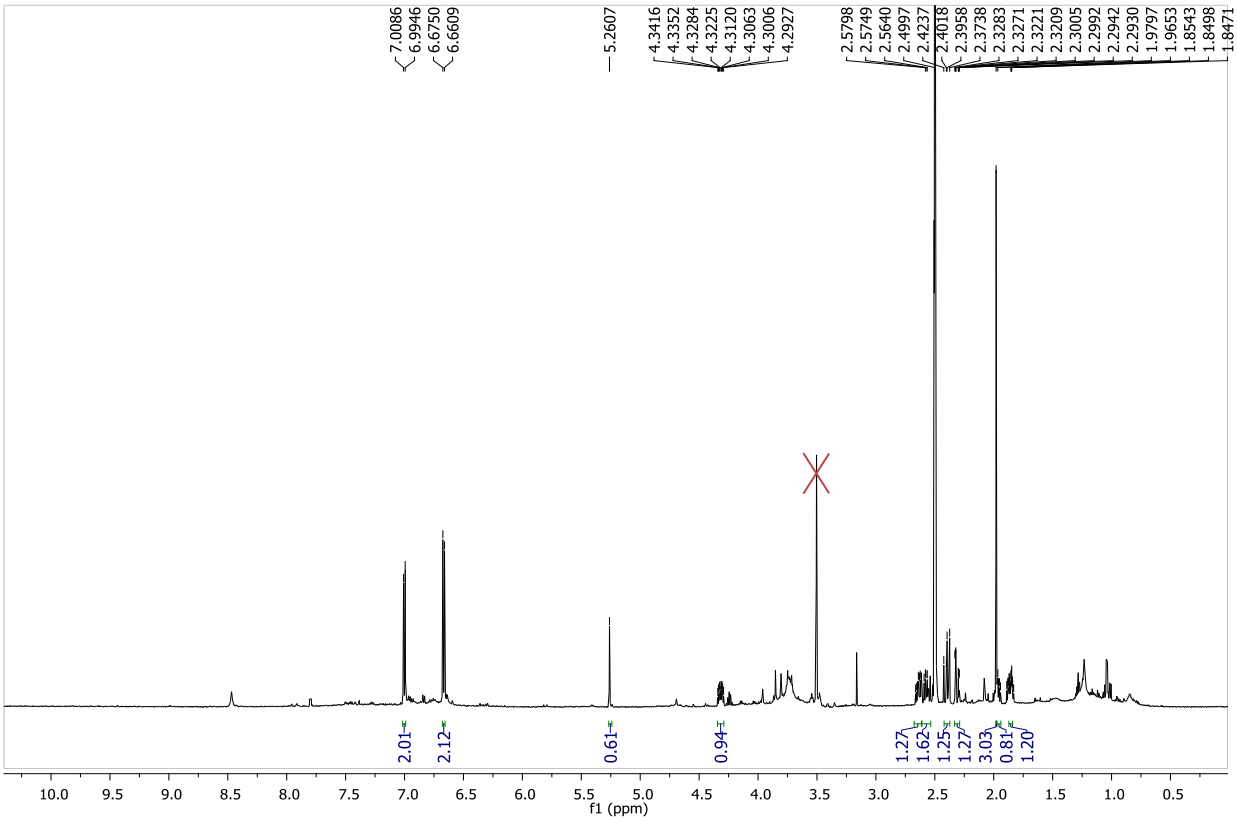

Figure S2. ^{1}H NMR spectrum (14.1 T, DMSO-d_6) of compound **1**.

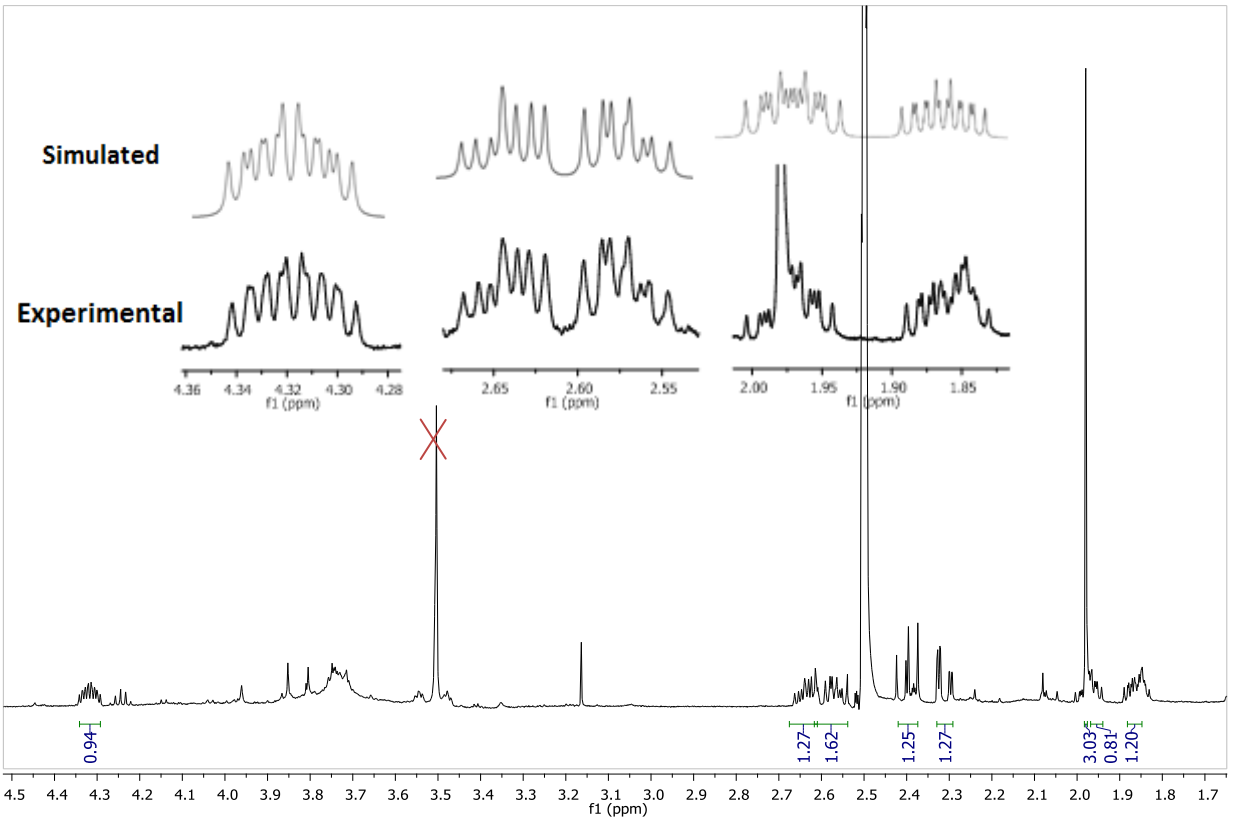

Figure S3. Expanded ^{1}H NMR spectrum (14.1 T, DMSO-d_6) of compound **1**.

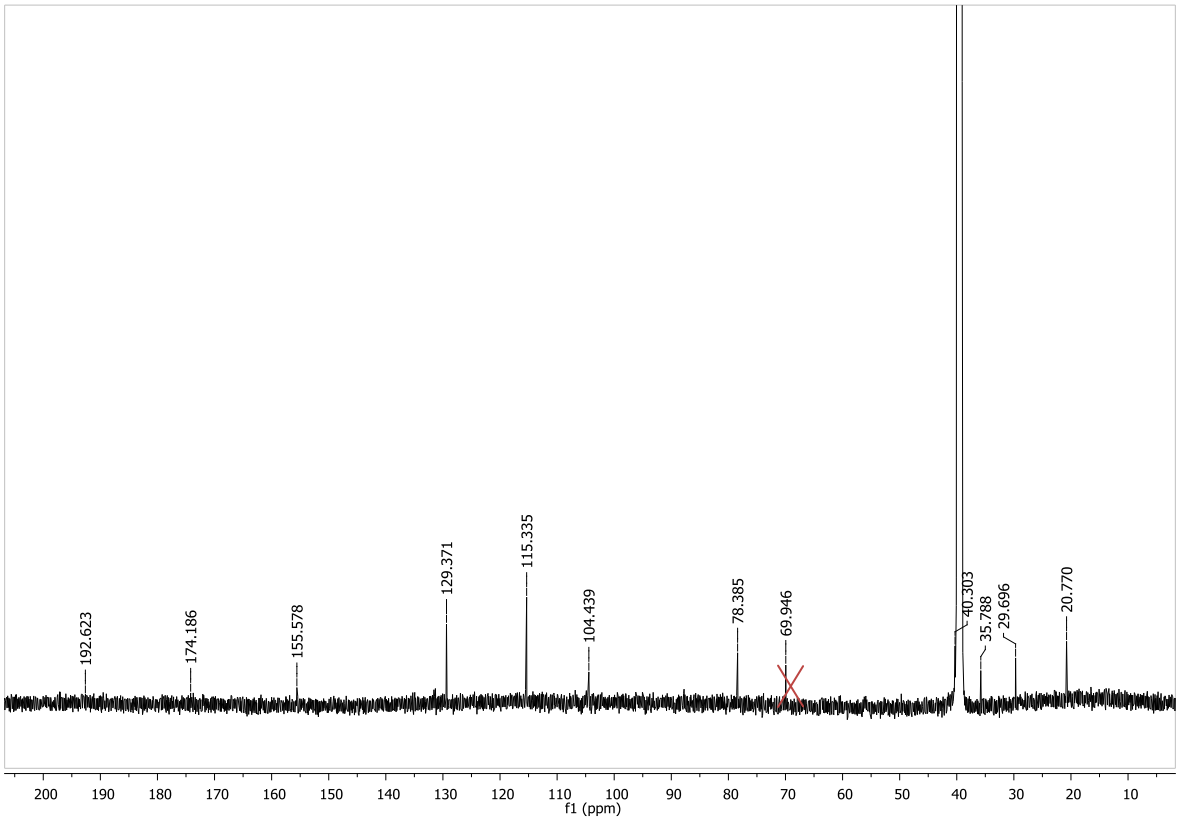

Figure S4. ^{13}C NMR spectrum (14.1 T, DMSO-d_6) of compound **1**.

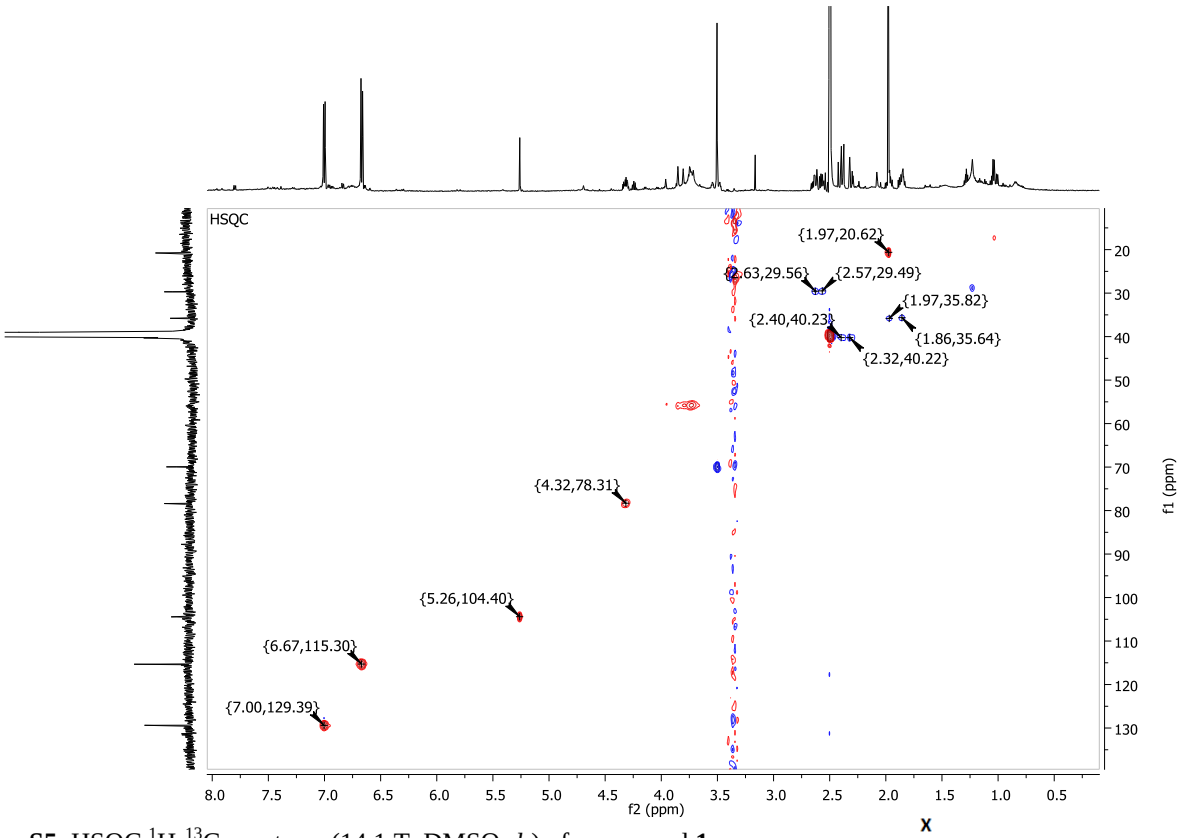

Figure S5. HSQC ^{1}H-^{13}C spectrum (14.1 T, DMSO-d_6) of compound **1**.

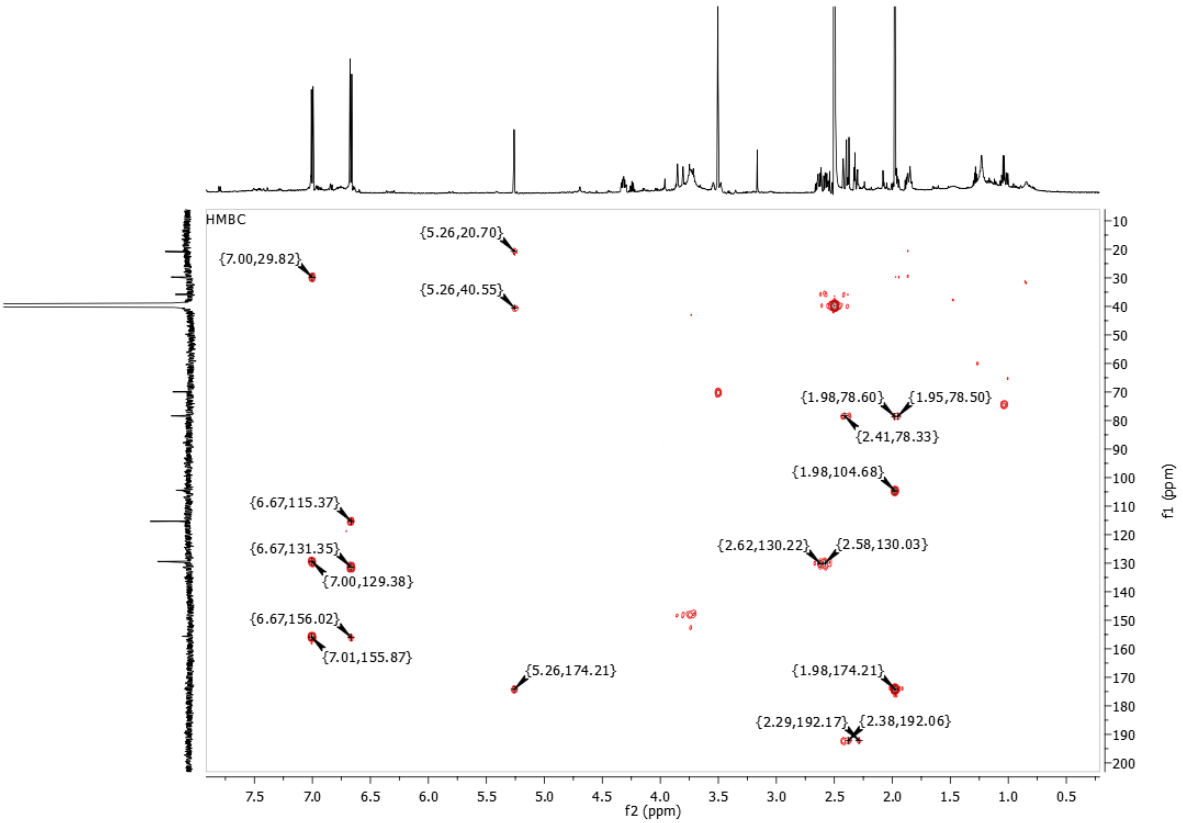

Figure S6. HMBC ^{1}H-^{13}C spectrum (14.1 T, DMSO-d_6) of compound **1**.

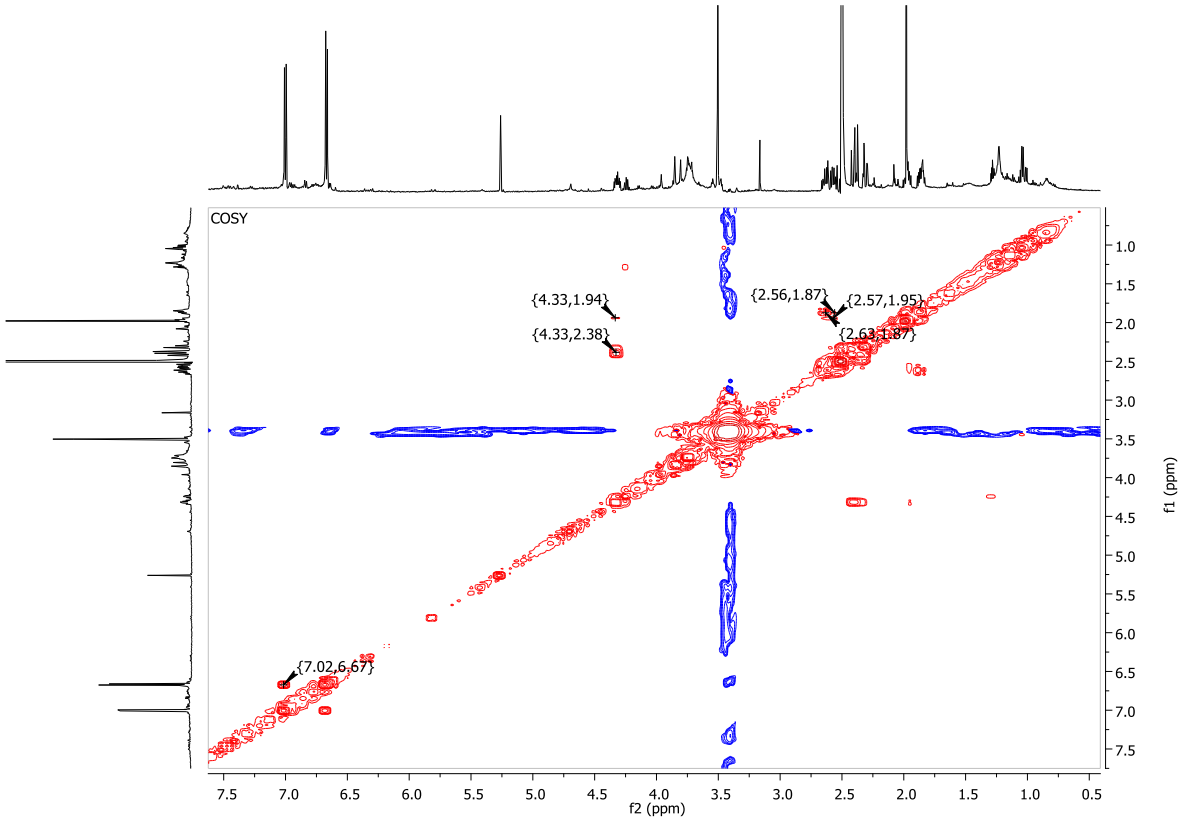

Figure S7. H^{1}-H^{1} COSY spectrum (14.1 T, DMSO-d_6) of compound **1**.

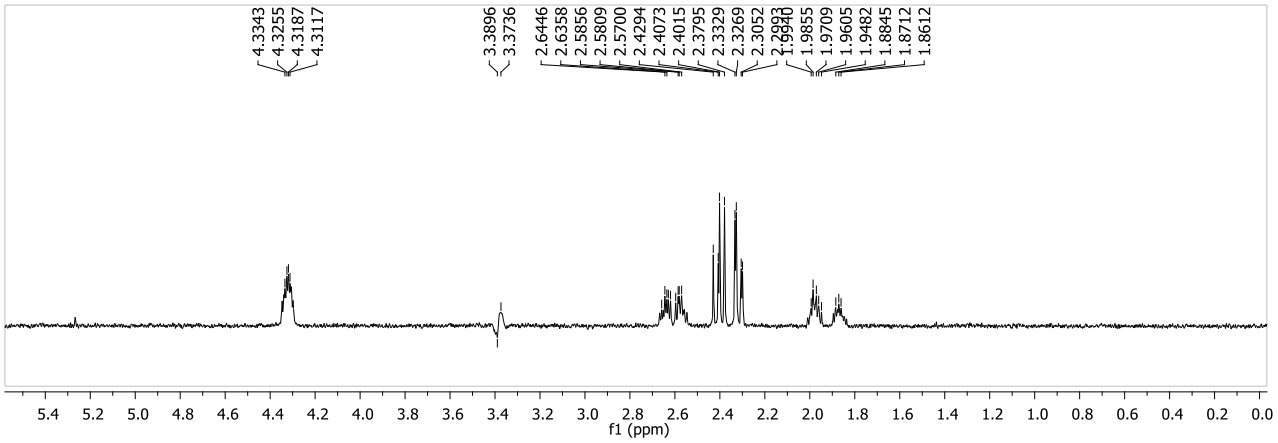

Figure S8. TOCSY 1D spectrum (14.1 T, DMSO-d_6) of compound **1**.

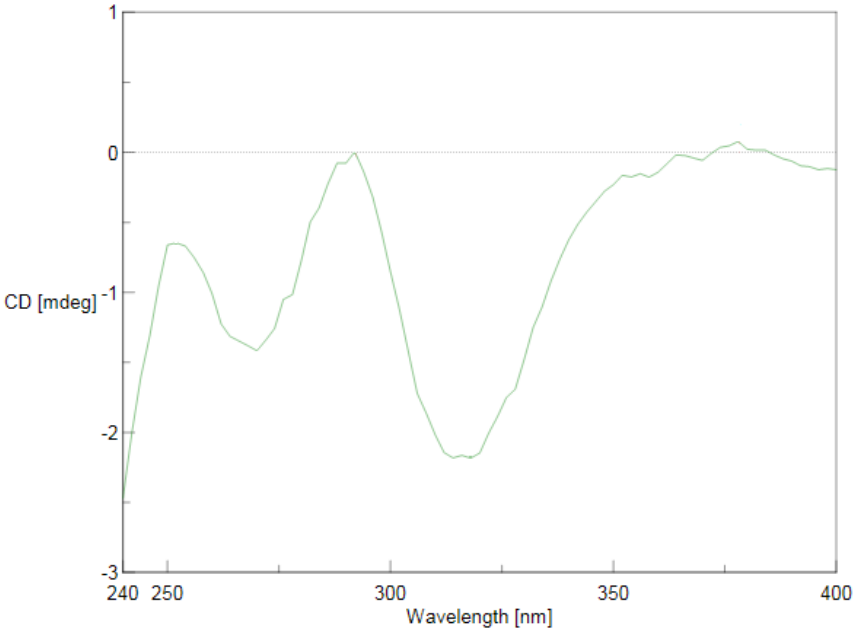

Figure S9. CD absorption spectrum of compound **1**.

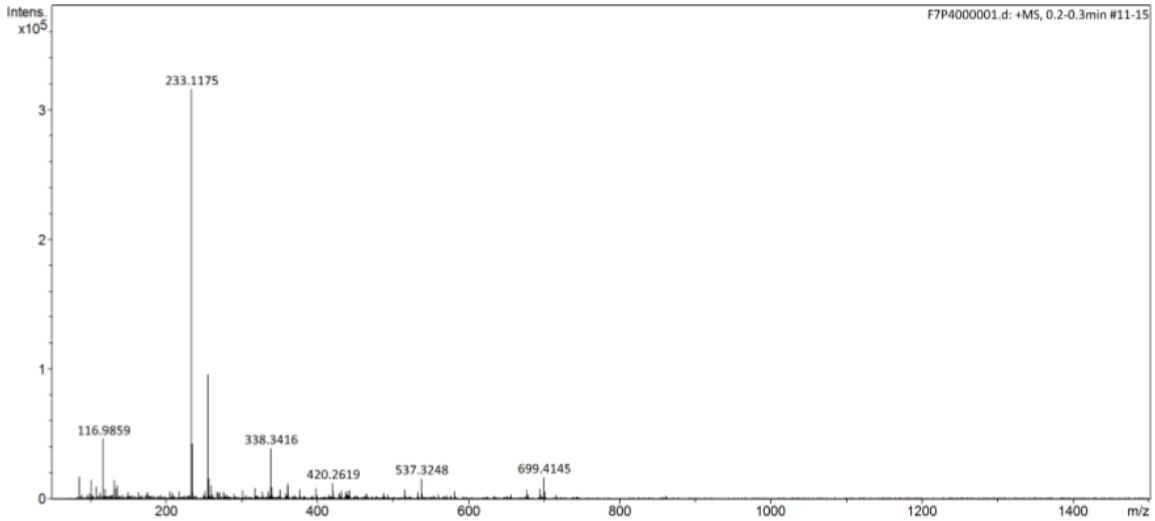

Figure S10. Mass spectrum (ESI QTOF, positive mode) of compound **1**.

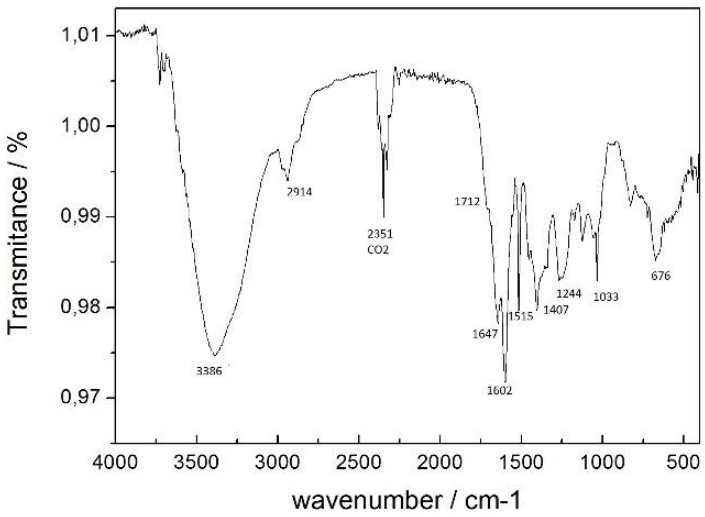

Figure S11. ATR-FTIR spectrum of compound **1**.

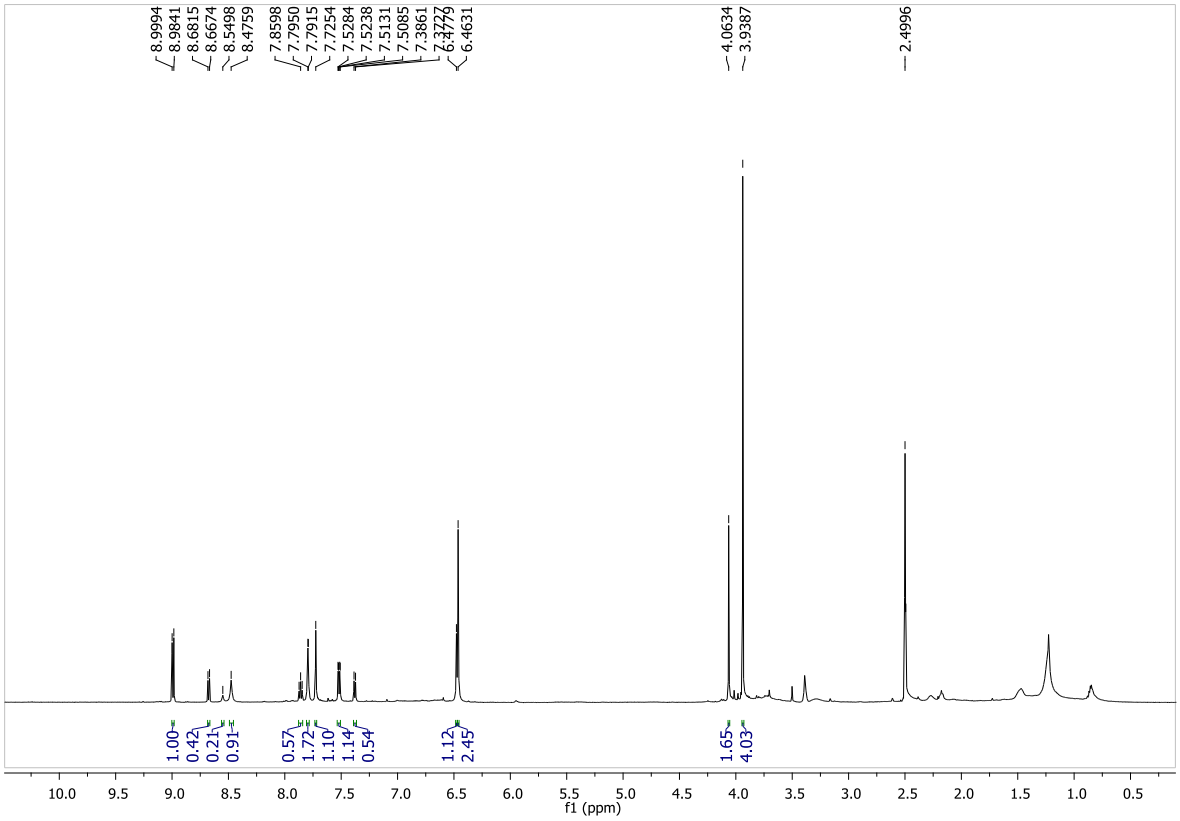

Figure S12. ^{1}H NMR spectrum (14.1 T, DMSO-d_6) of compounds **5** + **4** (2:1).

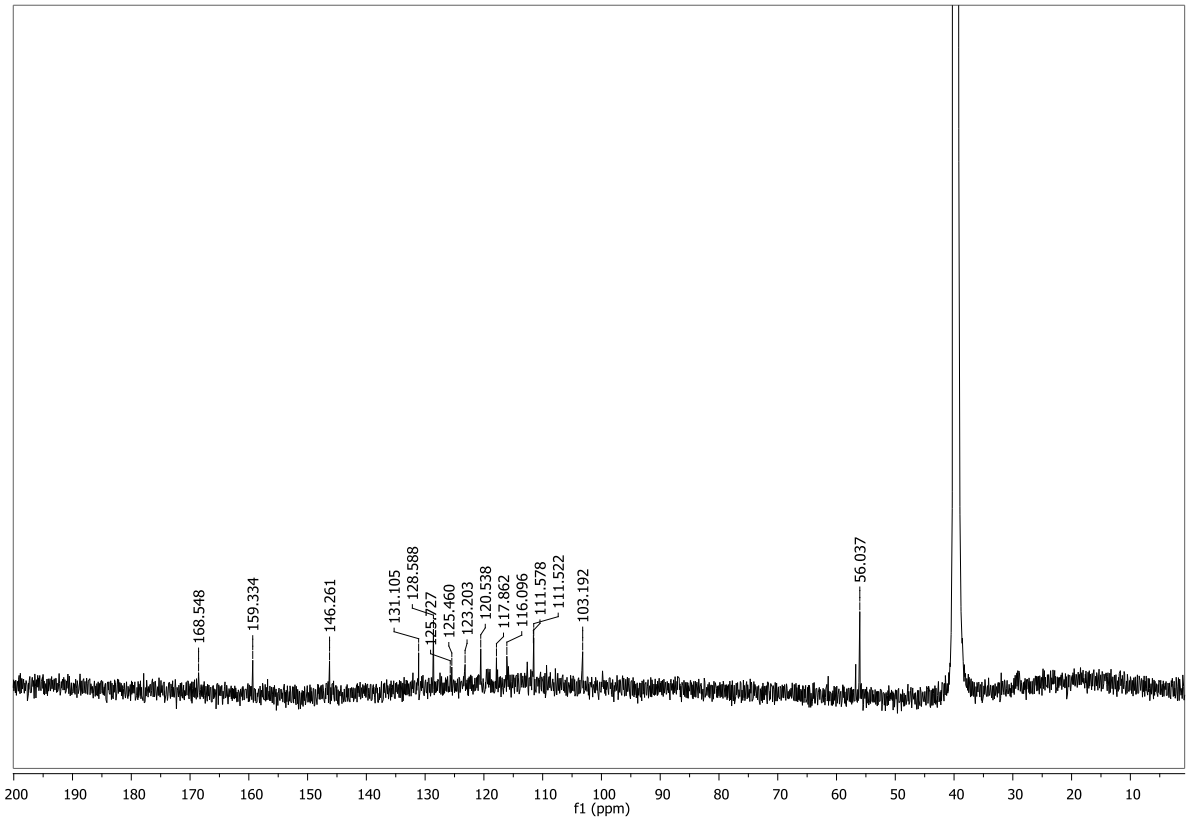

Figure S13. ^{13}C NMR spectrum (14.1 T, DMSO-d_6) of compounds **5** + **4** (2:1).

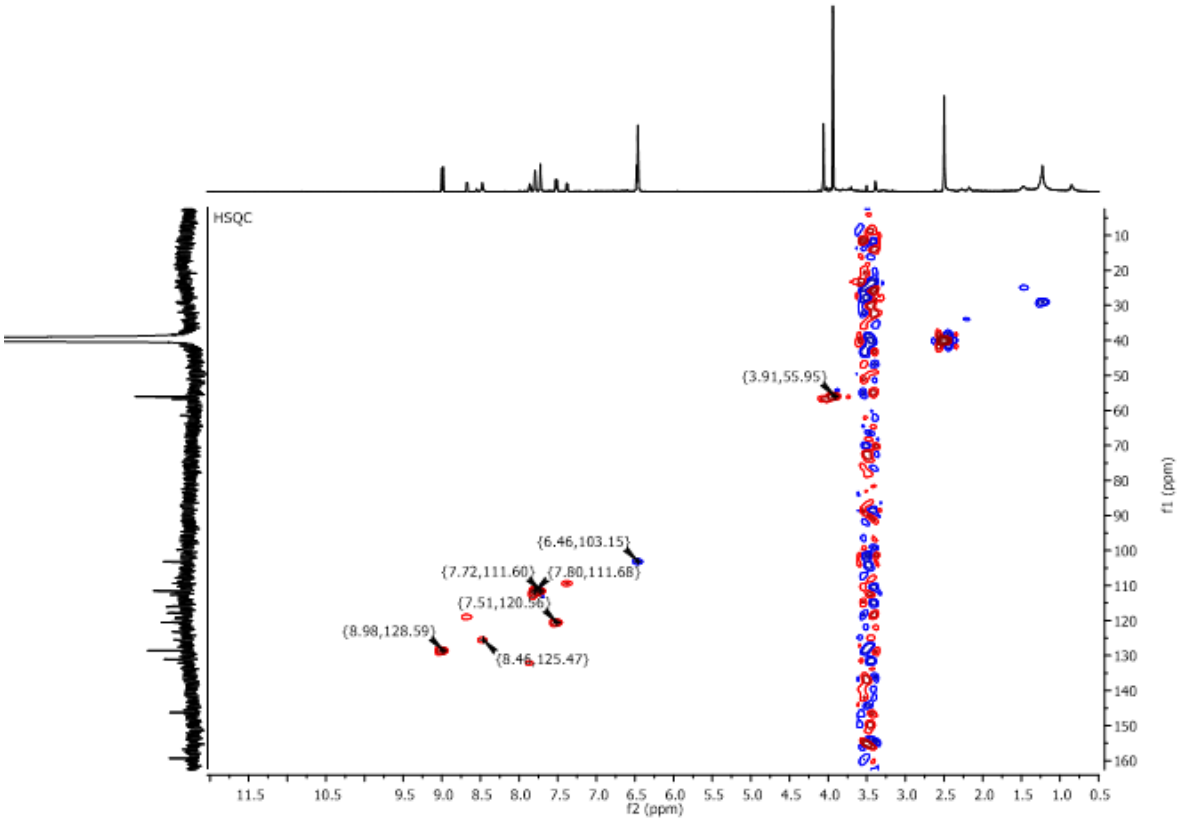

Figure S14. HSQC ^{1}H-^{13}C spectrum (14.1 T, DMSO-d_6) of compounds **5** + **4** (2:1).

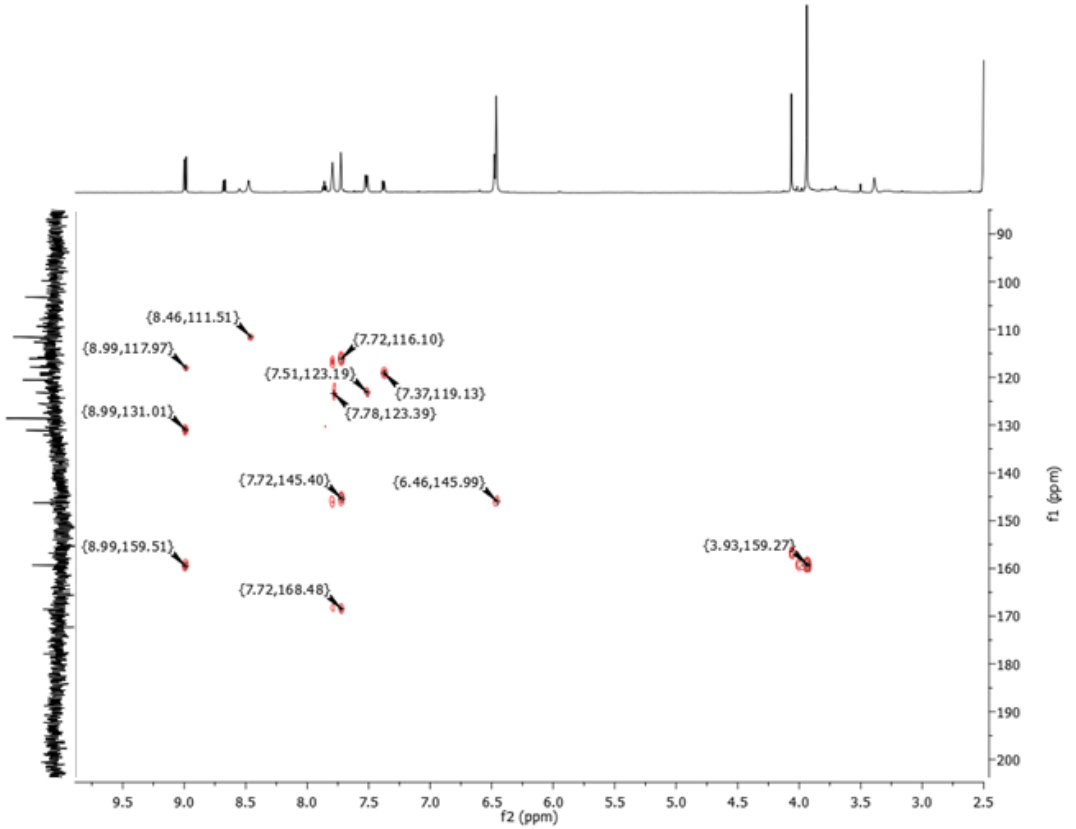

Figure S15. HMBC ^{1}H-^{13}C spectrum (14.1 T, DMSO-d_6) of compounds **5** + **4** (2:1).

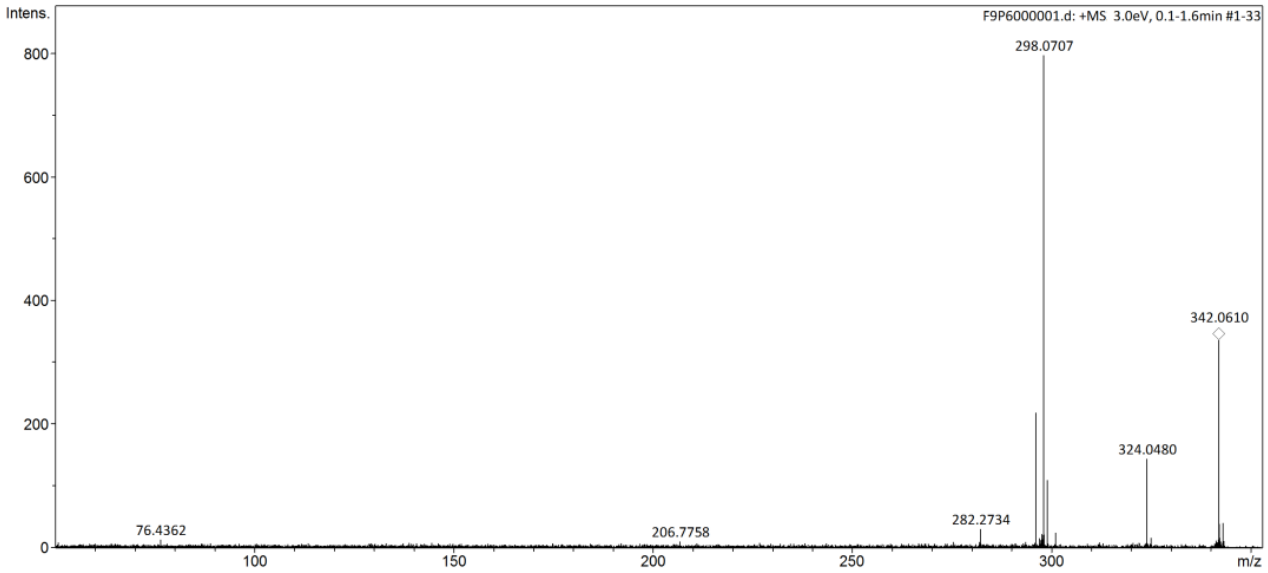

Figure S16. Mass spectrum (ESI QTOF, positive mode) of compound **5**.

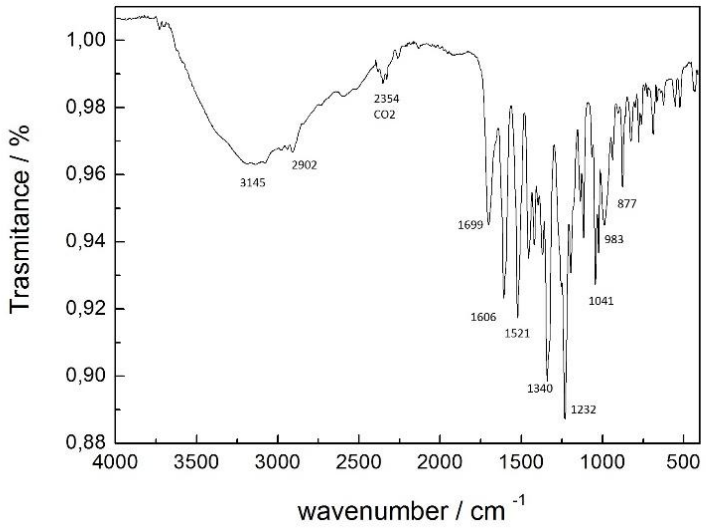

Figure S17. ATR-FTIR spectrum of compound **5**.

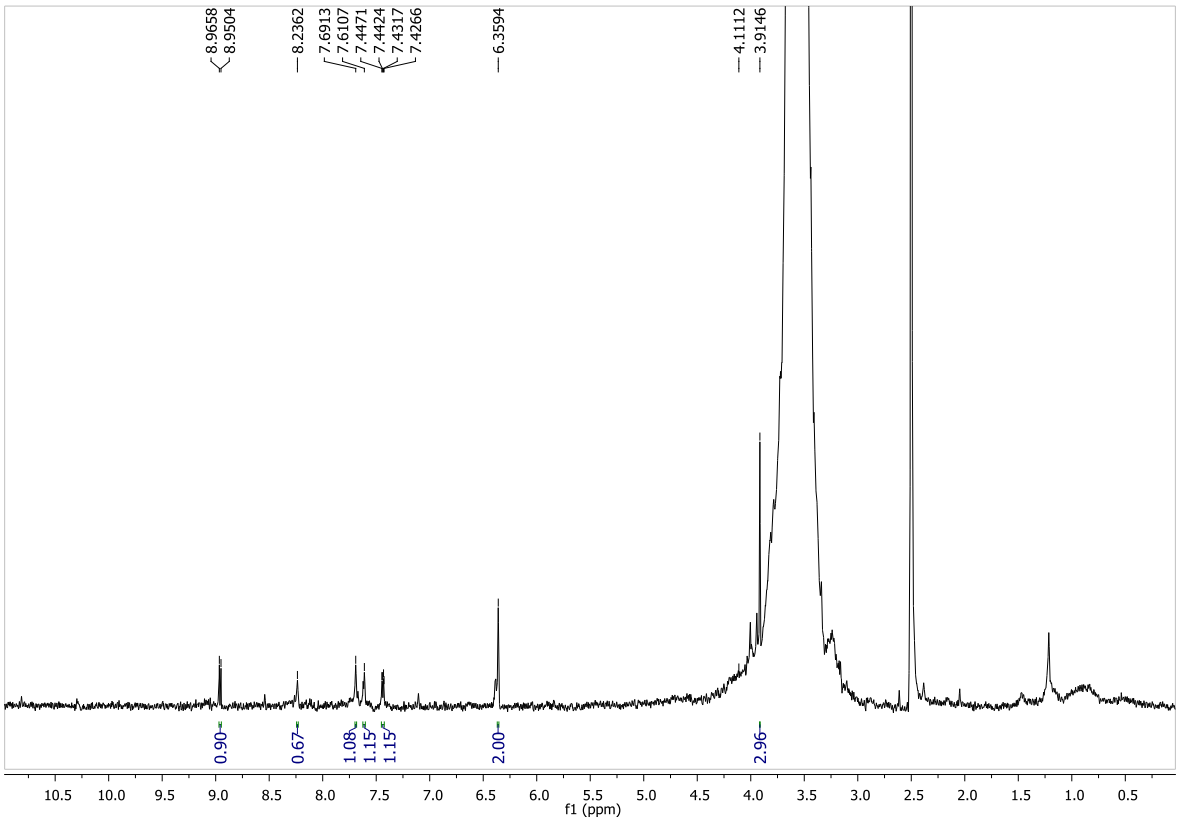

Figure S18. ^{1}H NMR spectrum (14.1 T, DMSO-d_6) of compound **8**.

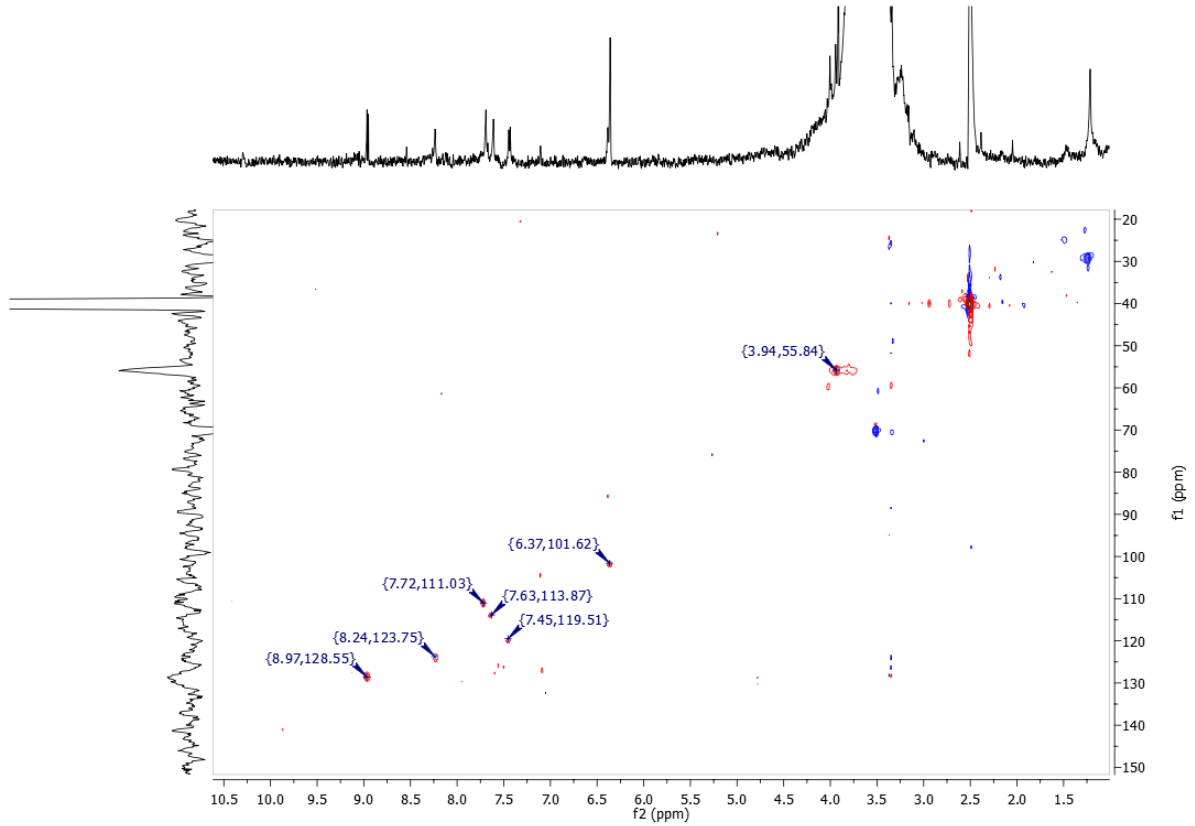

Figure S19. HSQC ^{1}H-^{13}C spectrum (14.1 T, DMSO-d_6) of compound **8**.

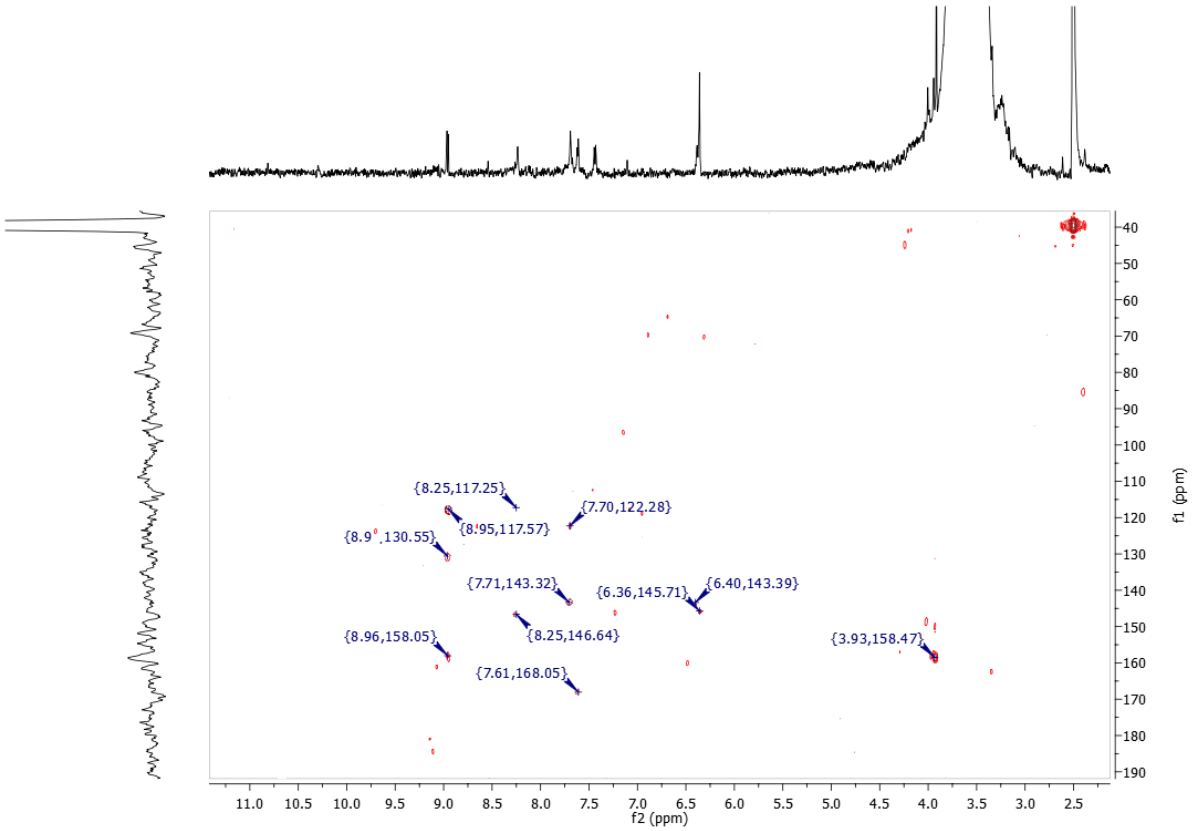

Figure S20. HMBC ^{1}H-^{13}C spectrum (14.1 T, DMSO-d_6) of compound **8**.

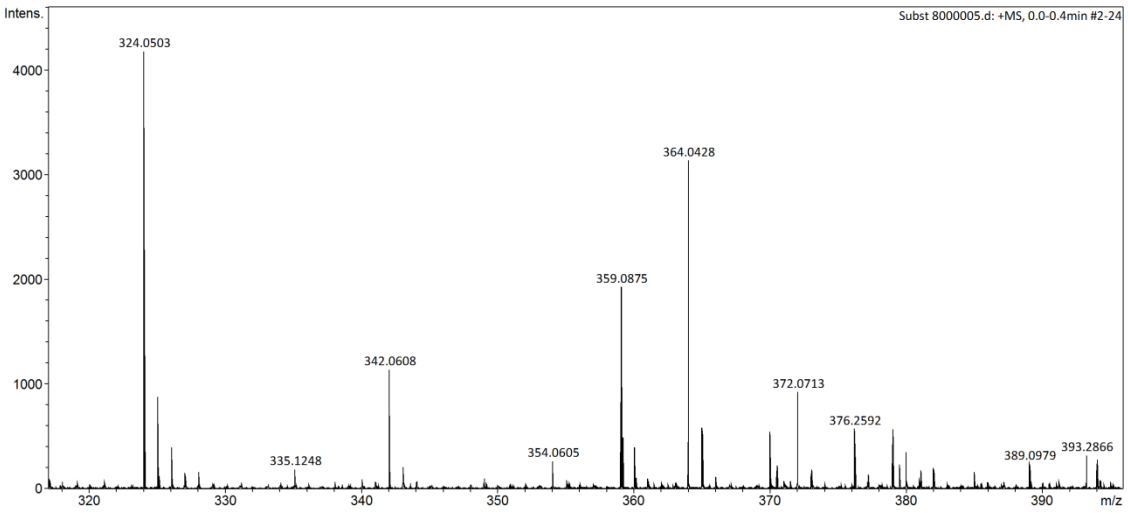

Figure S21. Mass spectrum (ESI QTOF, positive mode) of compound **8**.

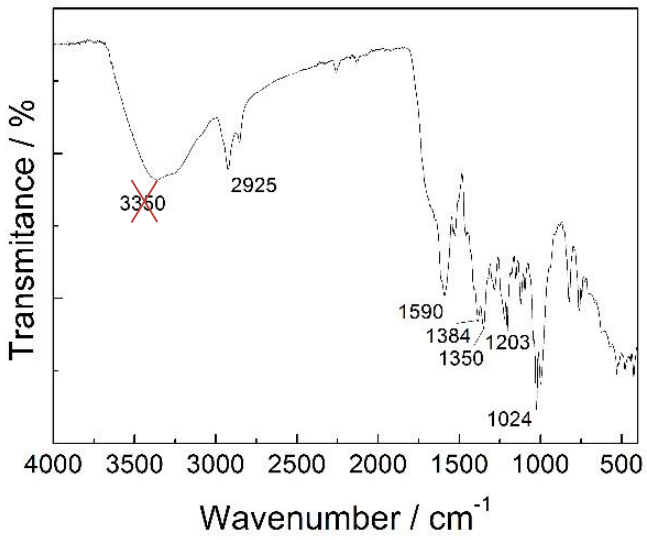

Figure S22. ATR-FTIR spectrum of compound **8**.

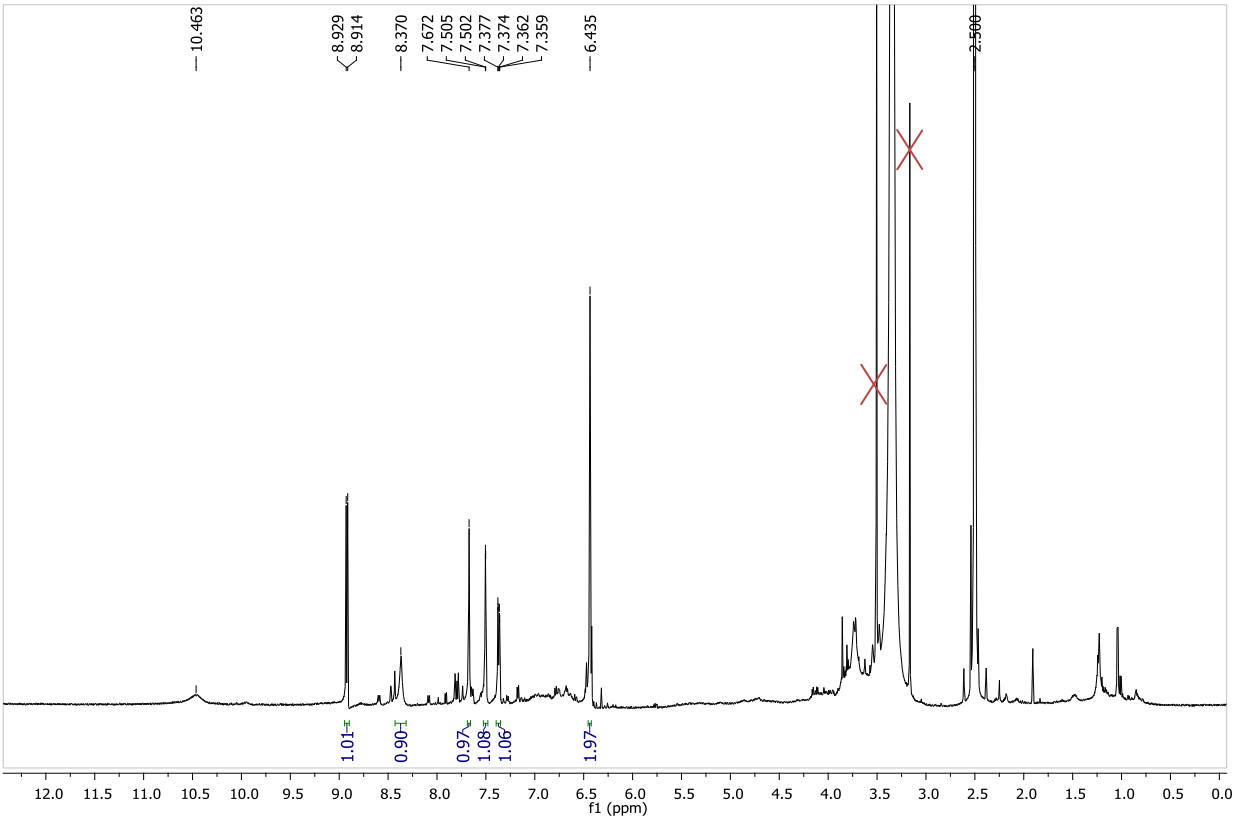

Figure S23. ^{1}H NMR spectrum (14.1 T, DMSO-d_6) of compound **9**.

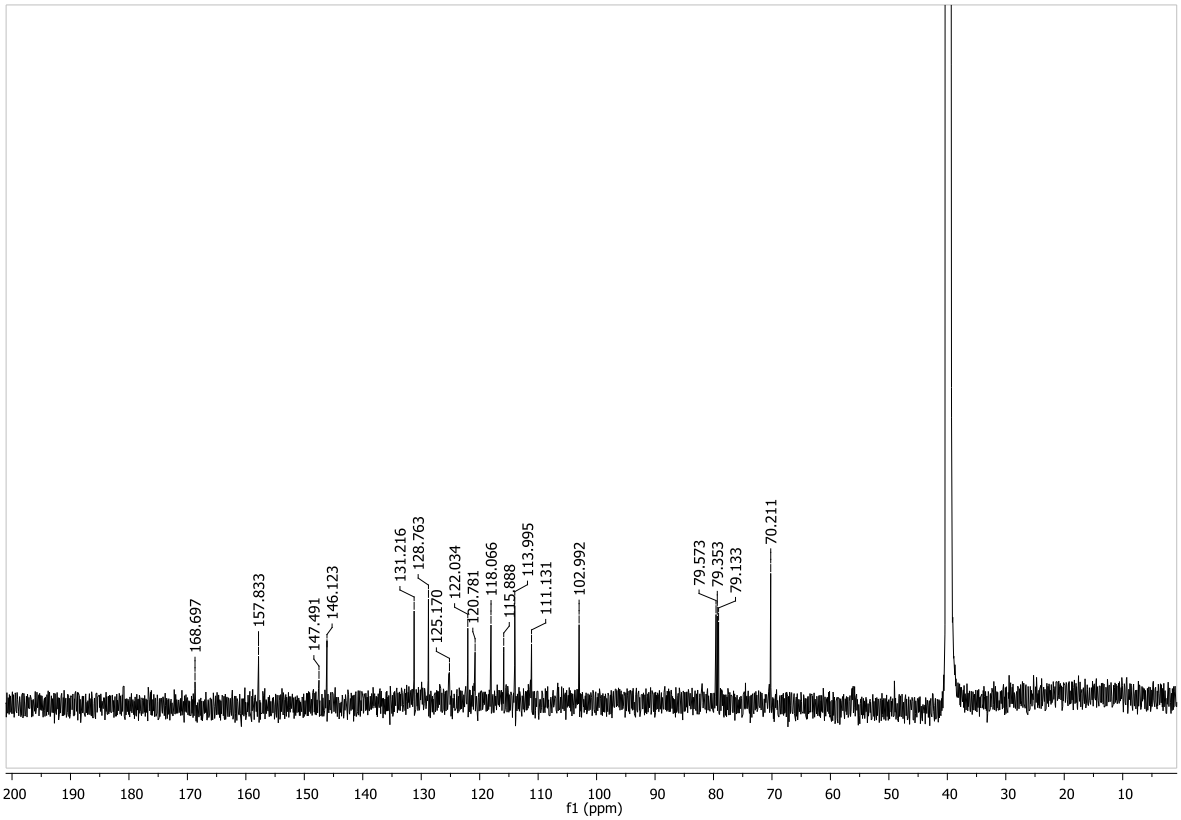

Figure S24. ^{13}C NMR spectrum (14.1 T, DMSO-d_6) of compound **9**.

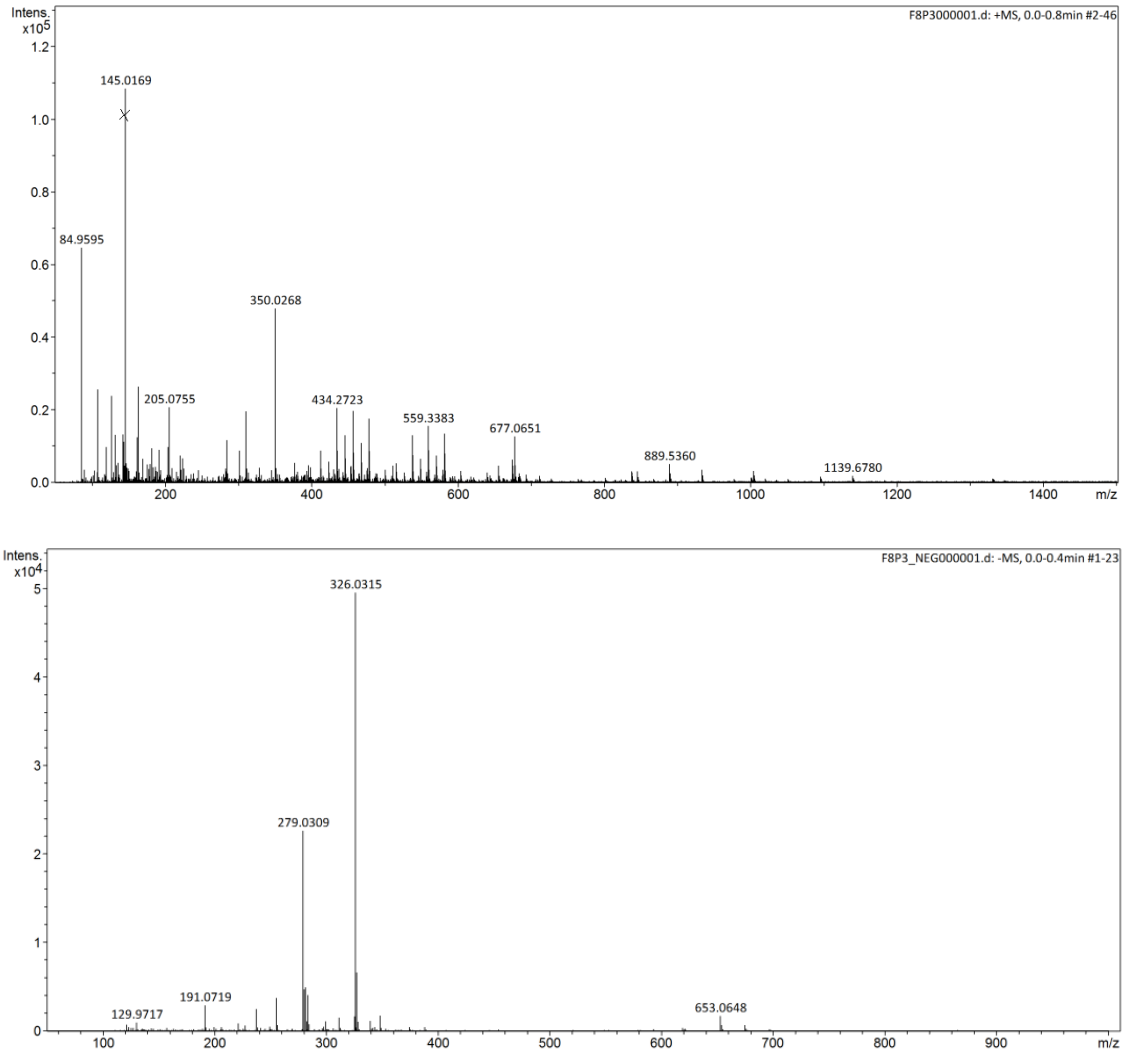

Figure S25. Mass spectra (ESI QTOF, positive and negative modes) of compound **9**.

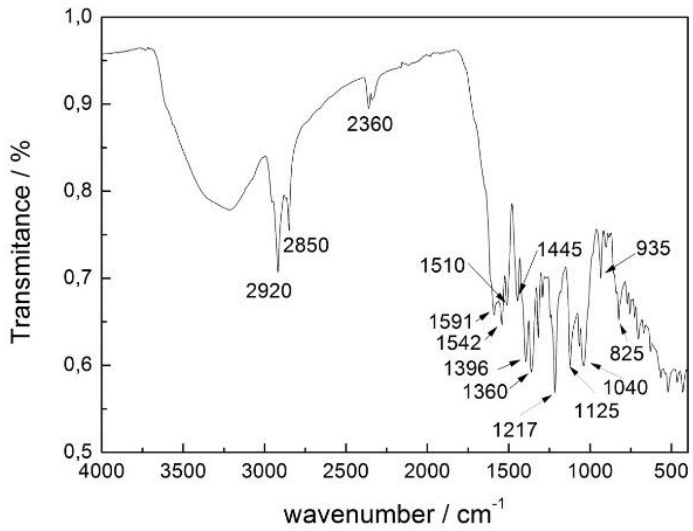

Figure S26. ATR-FTIR spectrum of compound **9**.