

Isoprenylated Flavonoids and 2-arylbenzofurans from the Root Bark of *Morus alba* L. and Their Cytotoxic Activity against HGC27 Cancer Cells

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Supporting Information Available

Figure S1. HR-ESI-MS spectrum of compound **1**.

Figure S2. ^1H -NMR spectrum (400 MHz, CD_3OD) of compound **1**.

Figure S3. ^{13}C -NMR (100 MHz, CD_3OD) spectrum of compound **1**.

Figure S4. DEPT 135 spectrum (100 MHz, CD_3OD) of compound **1**.

Figure S5. HSQC spectrum of compound **1** in CD_3OD .

Figure S6. HMBC spectrum of compound **1** in CD_3OD .

Figure S7. ^1H - ^1H COSY spectrum of compound **1** in CD_3OD .

Figure S8. NOSEY spectrum of compound **1** in CD_3OD .

Figure S9. HR-ESI-MS spectrum of compound **11**.

Figure S10. ^1H -NMR spectrum (600 MHz, DMSO) of compound **11**.

Figure S11. ^{13}C -NMR (150 MHz, DMSO) spectrum of compound **11**.

Figure S12. DEPT 135 spectrum (150 MHz, DMSO) of compound **11**.

Figure S13. HSQC spectrum of compound **11** in DMSO.

Figure S14. HMBC spectrum of compound **11** in DMSO.

Figure S15. ^1H - ^1H COSY spectrum of compound **11** in DMSO.

Figure S16. HR-ESI-MS spectrum of compound **12**.

Figure S17. ^1H -NMR spectrum (600 MHz, CD_3OD) of compound **12**.

Figure S18. ^{13}C -NMR spectrum (150 MHz, CD_3OD) of compound **12**.

Figure S19. DEPT 135 spectrum (150 MHz, CD_3OD) of compound **12**.

Figure S20. HSQC spectrum of compound **12** in CD_3OD .

Figure S21. HMBC spectrum of compound **12** in CD_3OD .

Figure S22. ^1H - ^1H COSY spectrum of compound **12** in CD_3OD .

Figure S23. ^1H -NMR spectrum (600 MHz, DMSO) of compound **12**.

Figure S24. ^{13}C -NMR (150 MHz, DMSO) spectrum of compound **12**.

Figure S25. DEPT 135 spectrum (150 MHz, DMSO) of compound **12**.

Item name: 20200610-PXY-SPB-12

Channel name: Time 0.0683 +/- 0.0500 minutes

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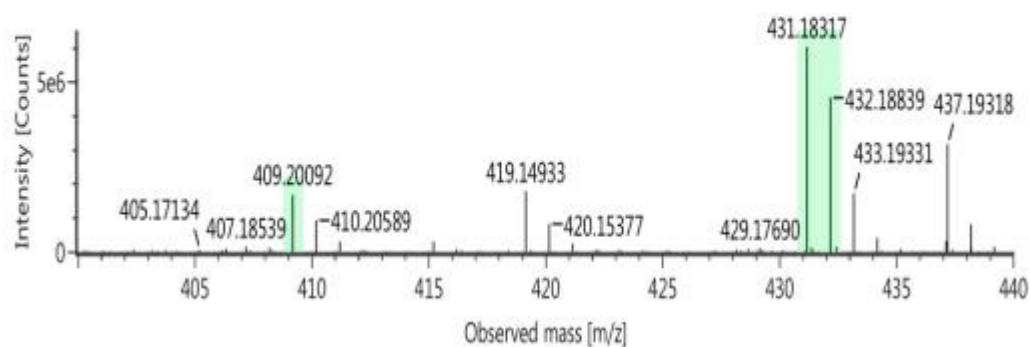


Figure S1. HR-ESI-MS spectrum of compound 1.

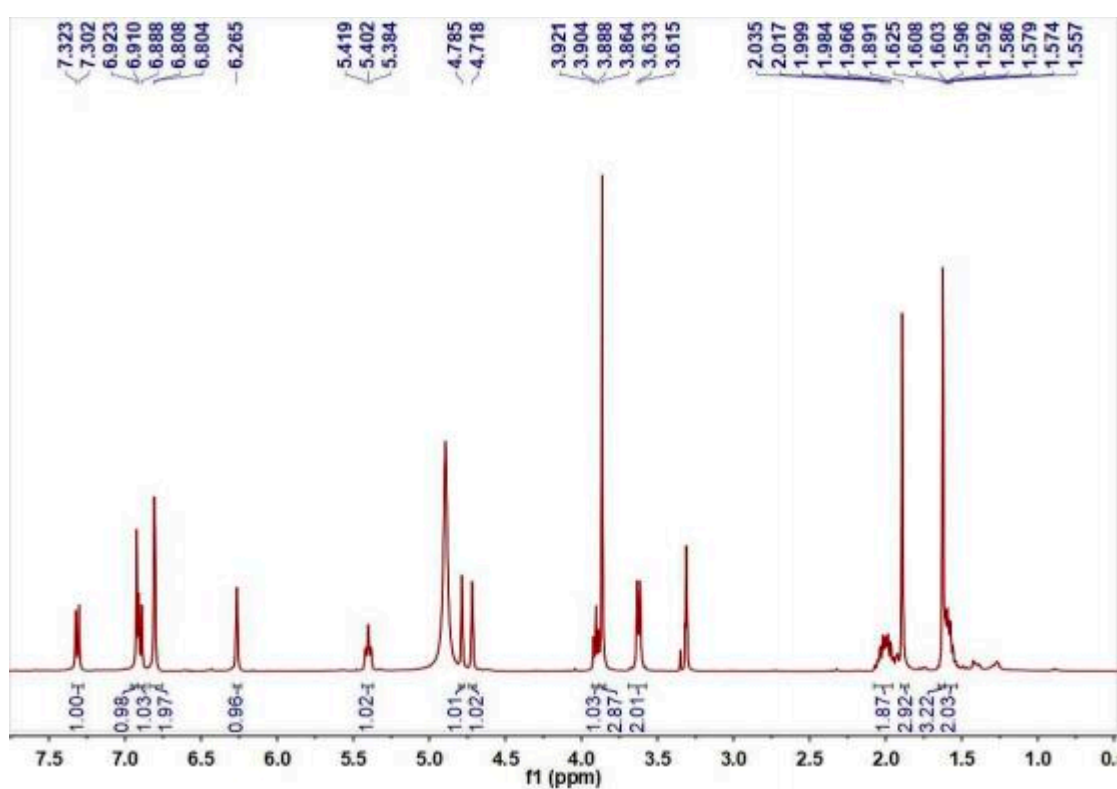


Figure S2. ¹H-NMR spectrum (400 MHz, CD₃OD) of compound 1.

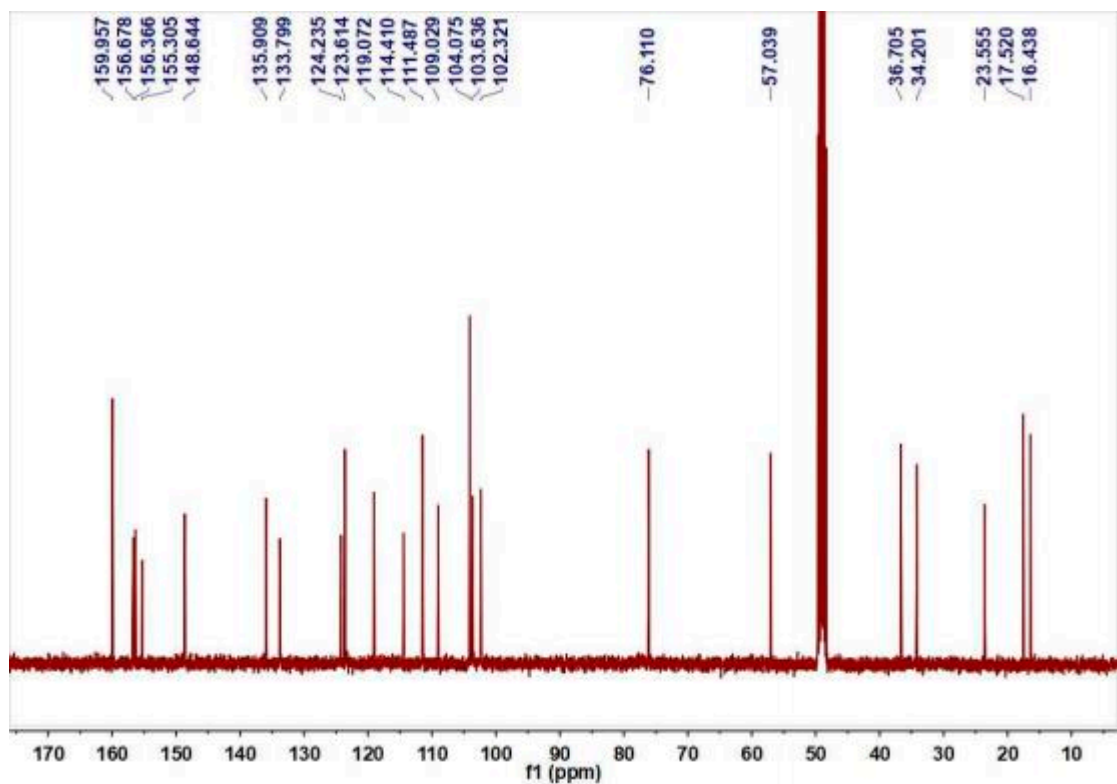


Figure S3. ^{13}C -NMR (100 MHz, CD_3OD) spectrum of compound 1.

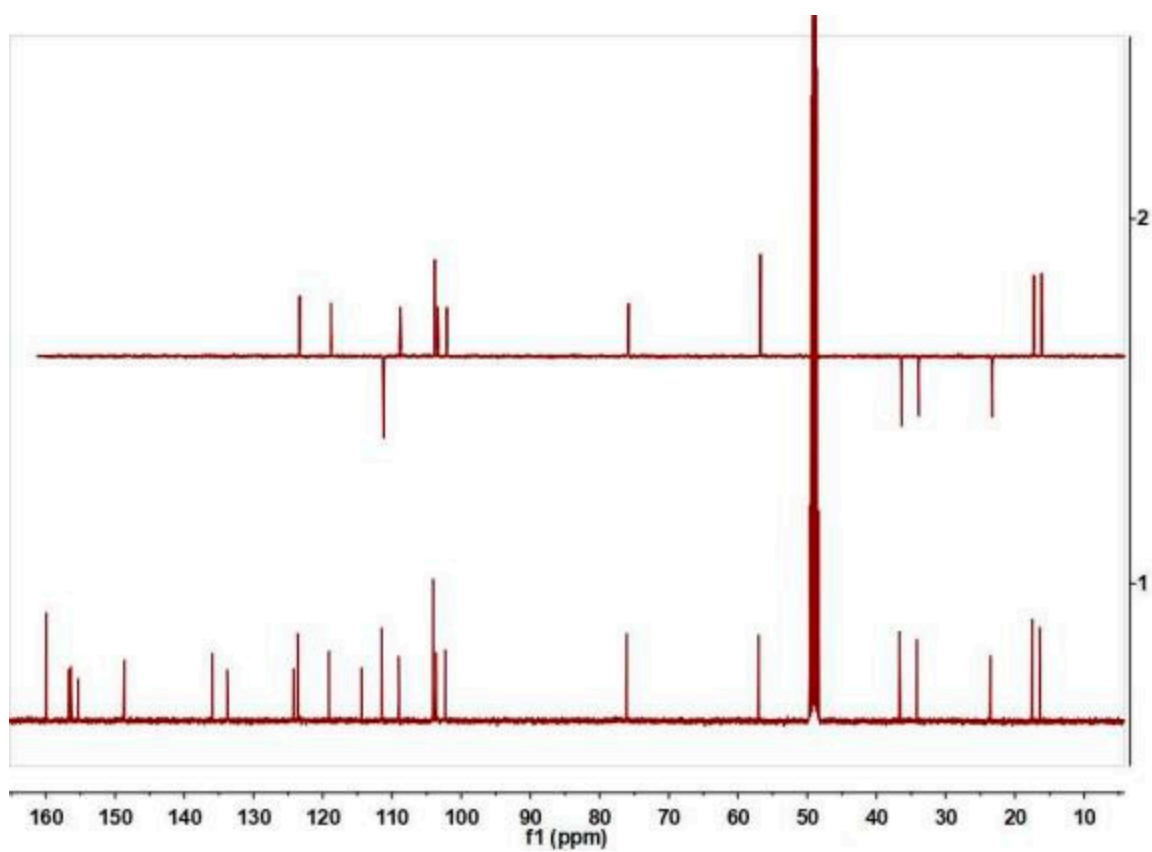


Figure S4. DEPT 135 spectrum (100 MHz, CD_3OD) of compound 1.

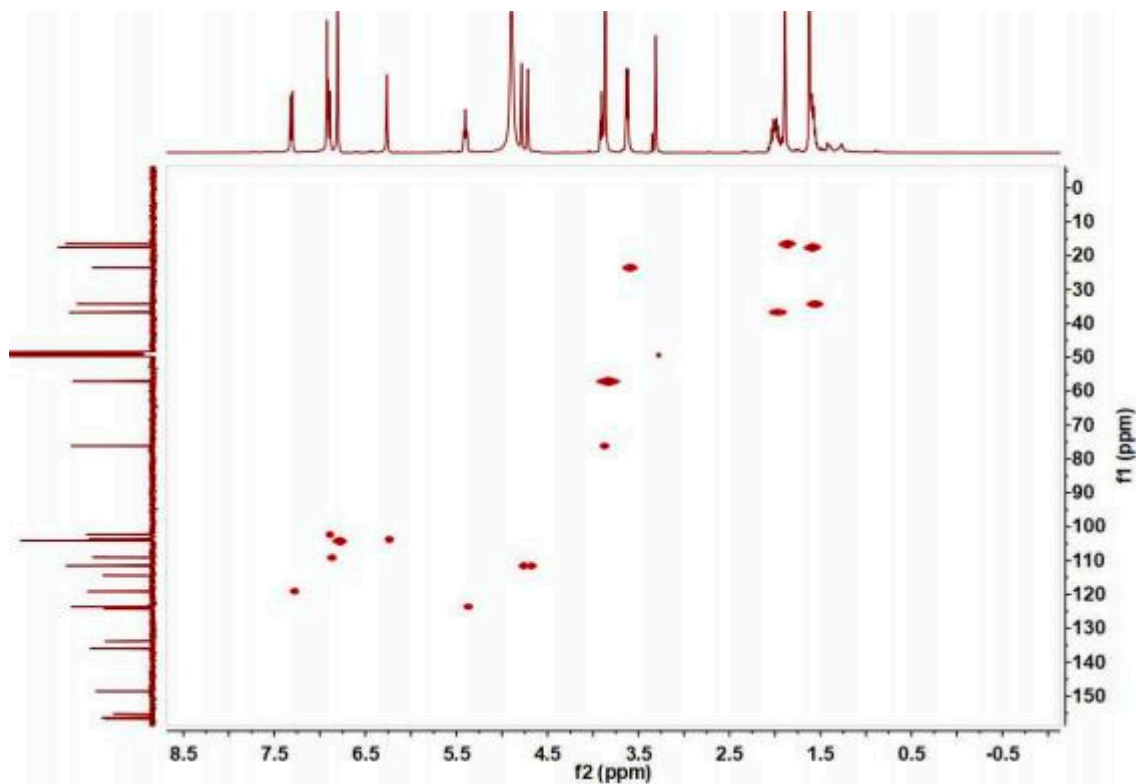


Figure S5. HSQC spectrum of compound **1** in CD₃OD.

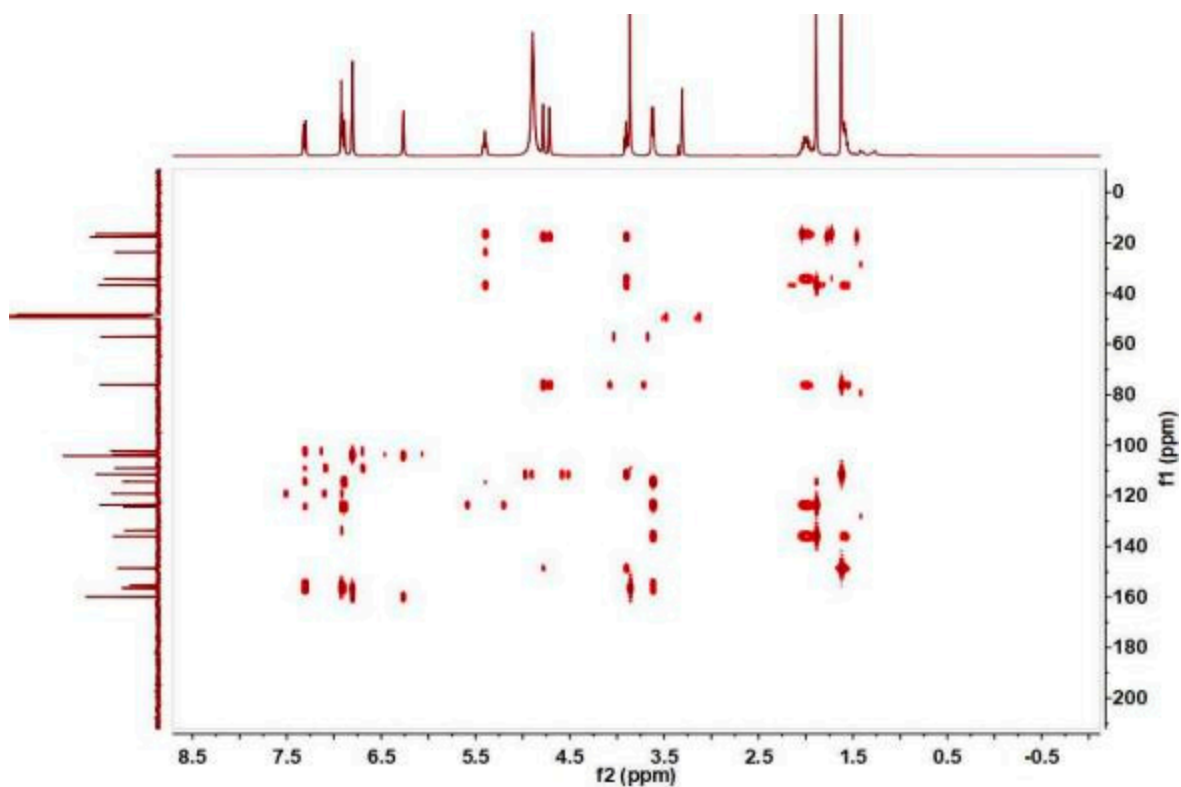


Figure S6. HMBC spectrum of compound **1** in CD₃OD.

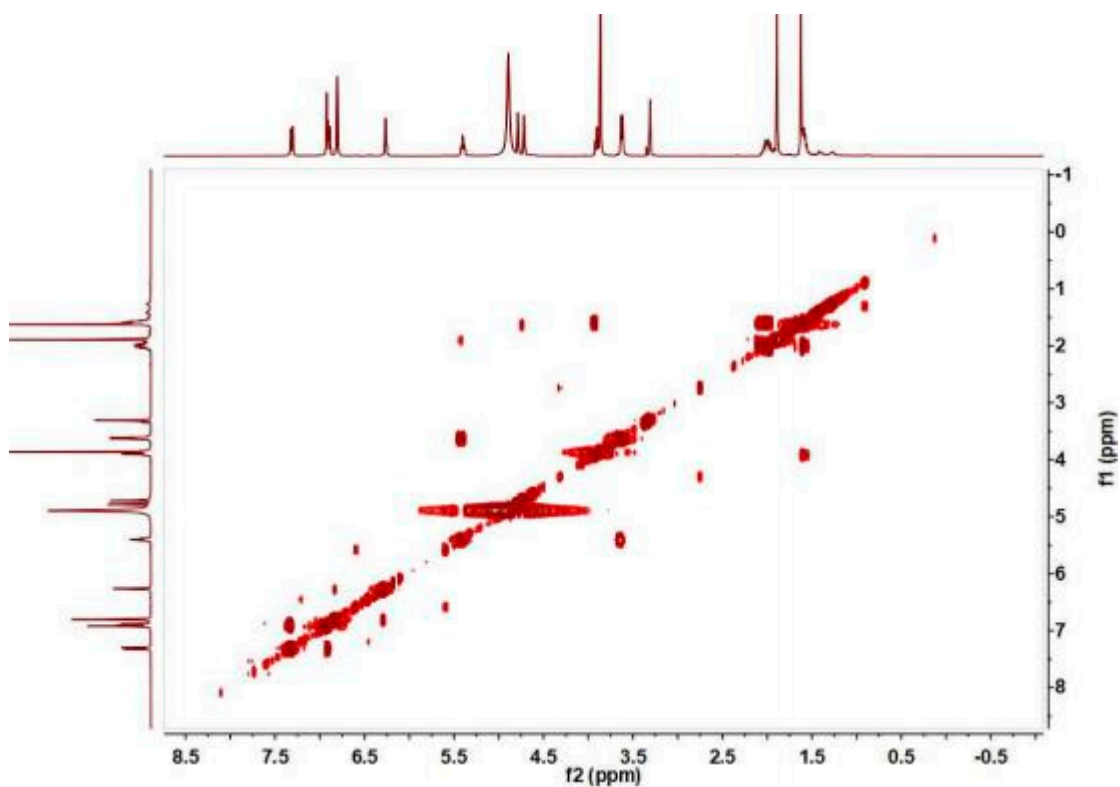


Figure S7. ^1H - ^1H COSY spectrum of compound **1** in CD_3OD .

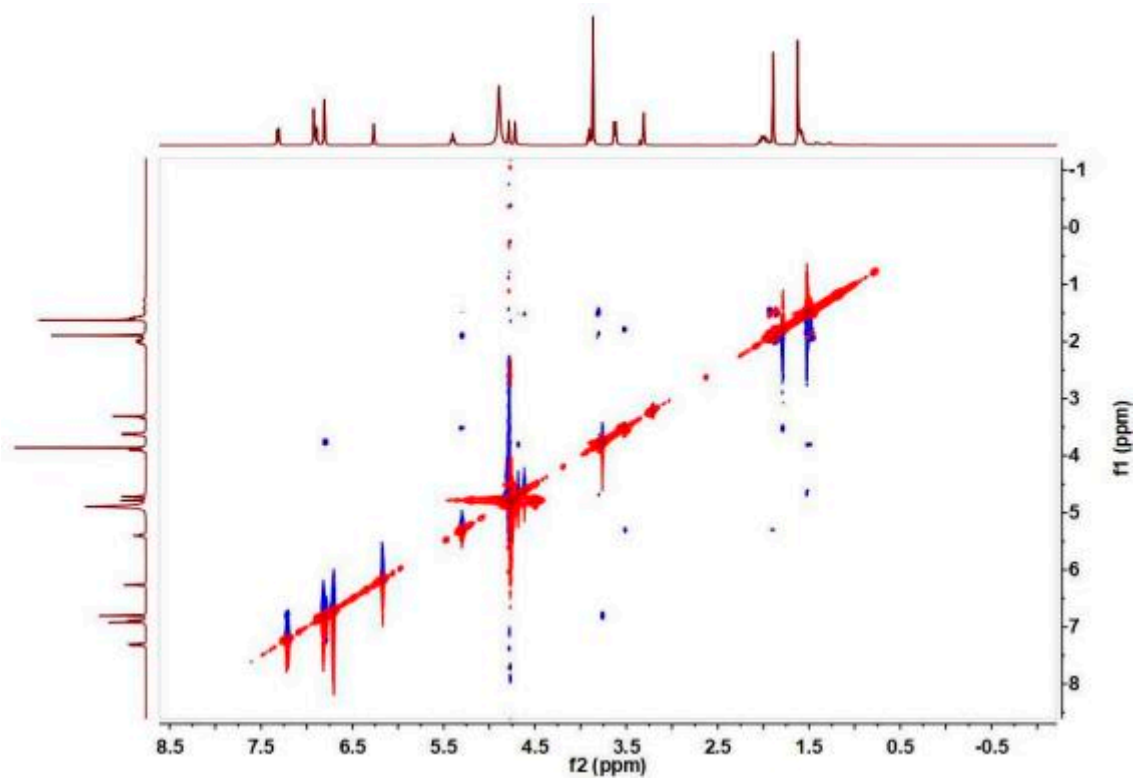


Figure S8. NOESY spectrum of compound **1** in CD_3OD .

Item name: 20220620-PXY-SBP-11-1

Channel name: Time 0.1343 +/- 0.0500 minutes

Item description:

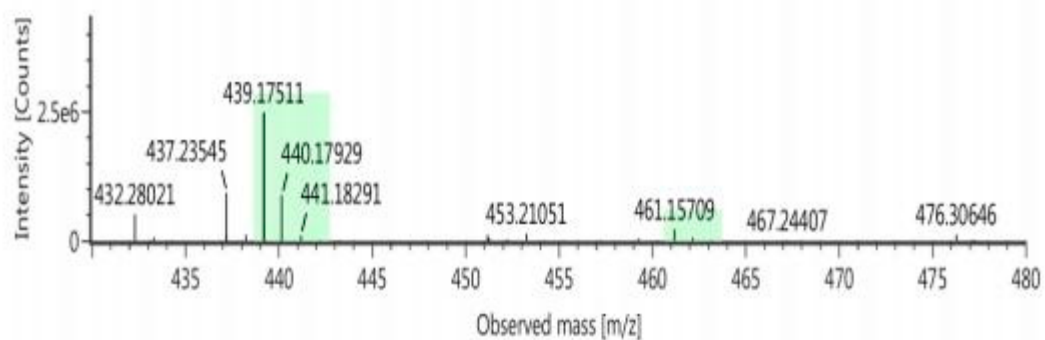


Figure S9. HR-ESI-MS spectrum of compound 11.

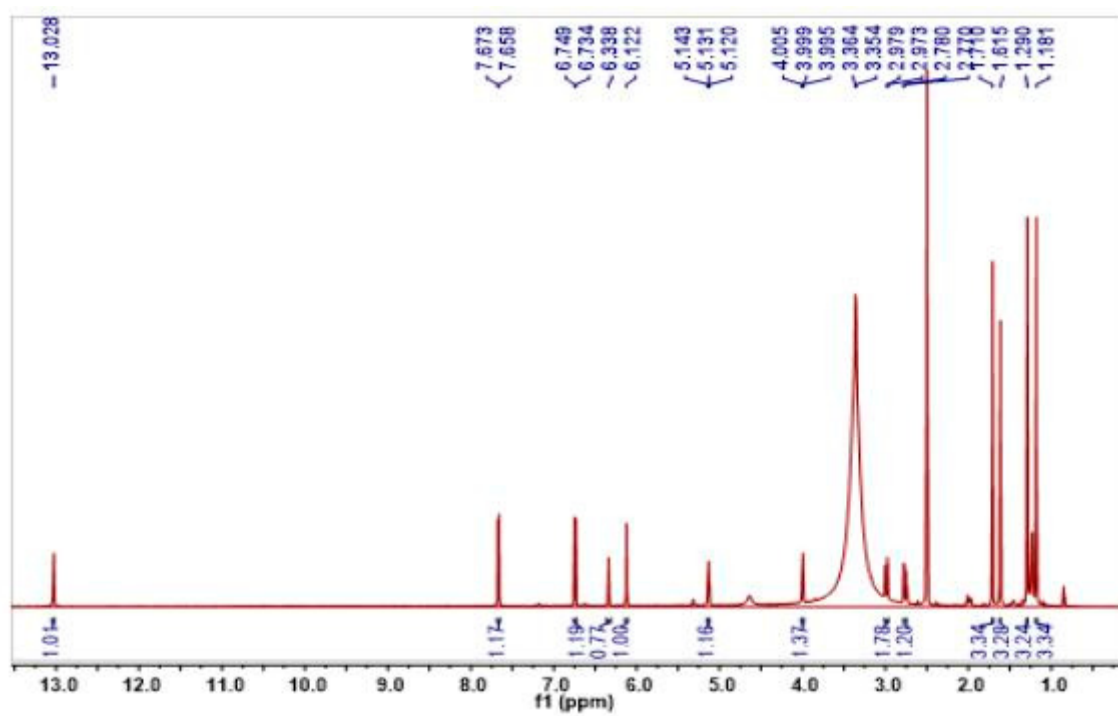


Figure S10. ¹H-NMR spectrum (600 MHz, DMSO) of compound 11.

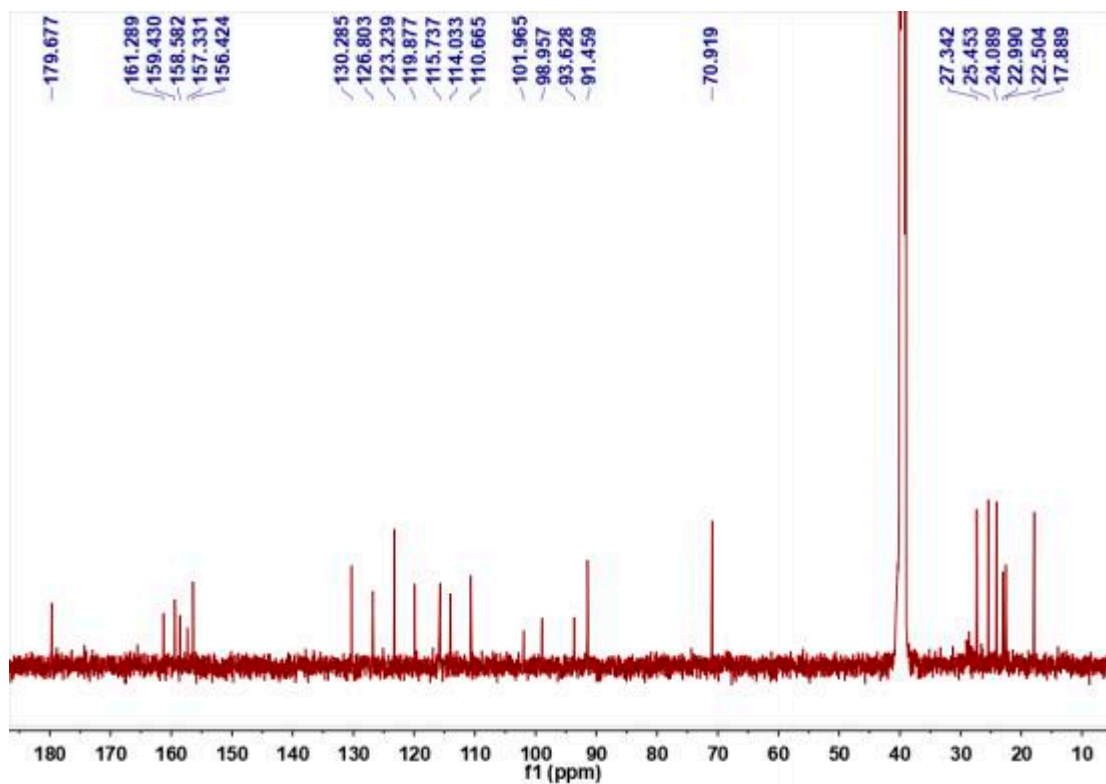


Figure S11. ^{13}C -NMR (150 MHz, DMSO) spectrum of compound 11.

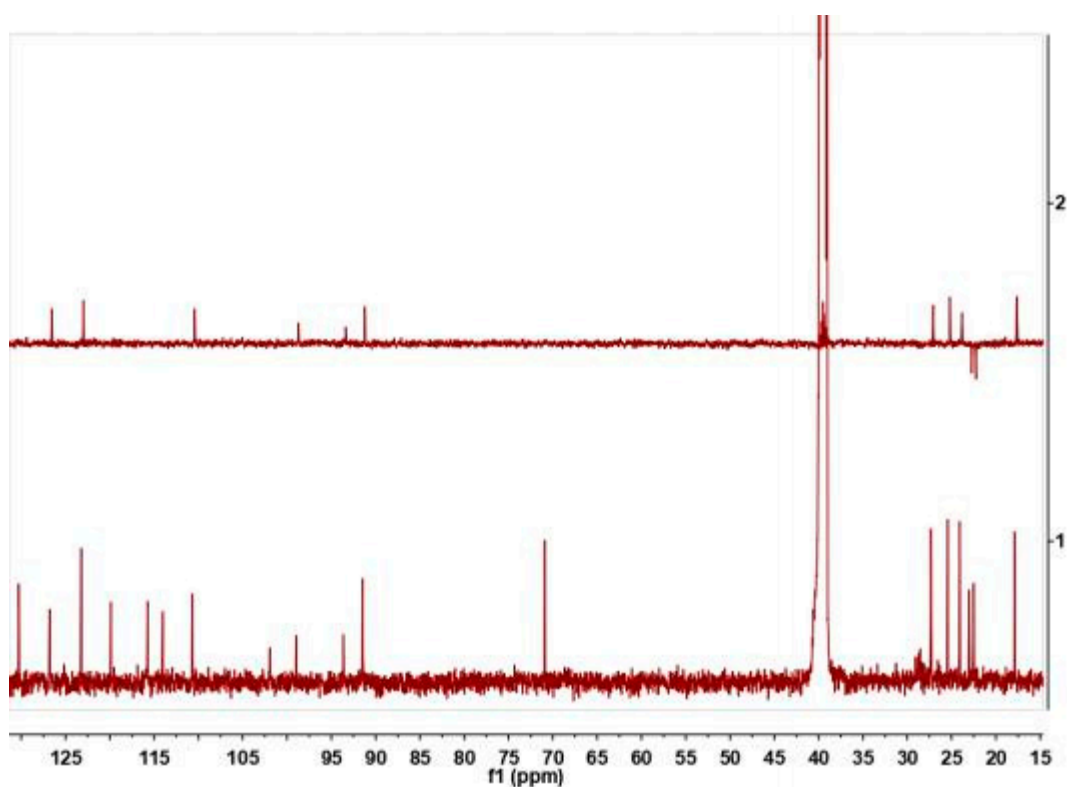


Figure S12. DEPT 135 spectrum (150 MHz, DMSO) of compound 11.

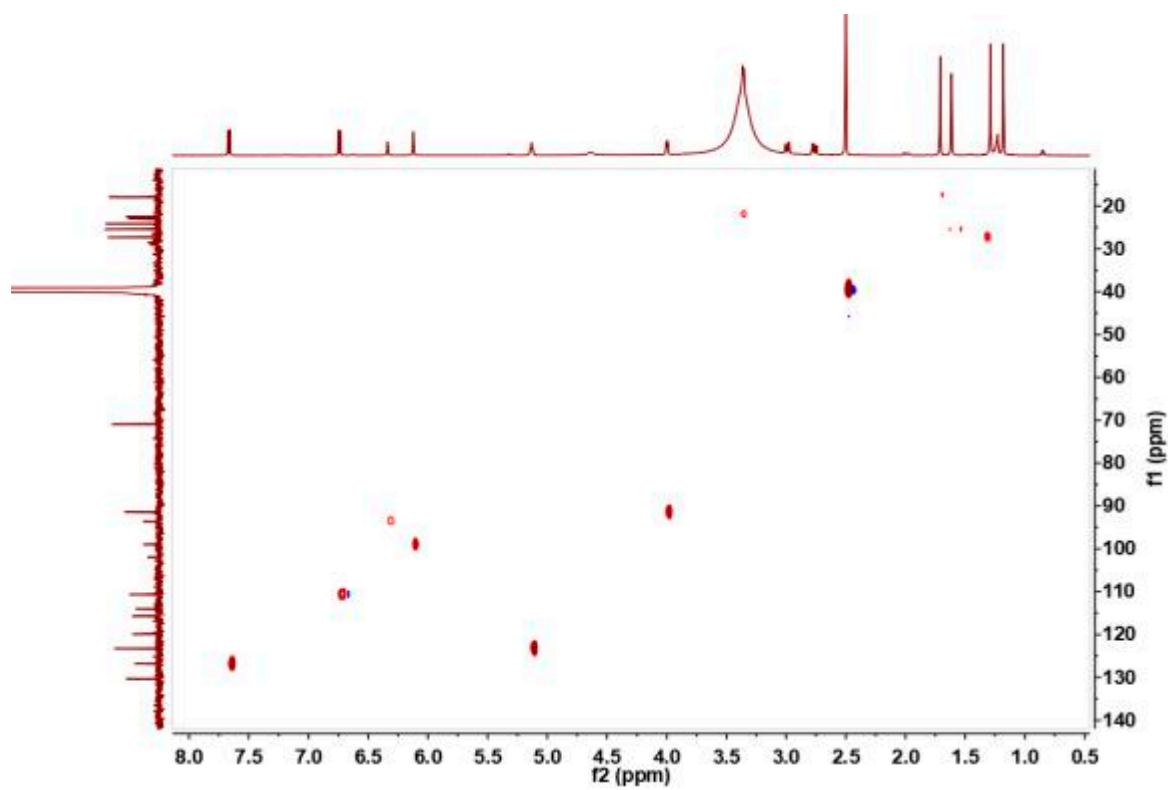


Figure S13. HSQC spectrum of compound **11** in DMSO.

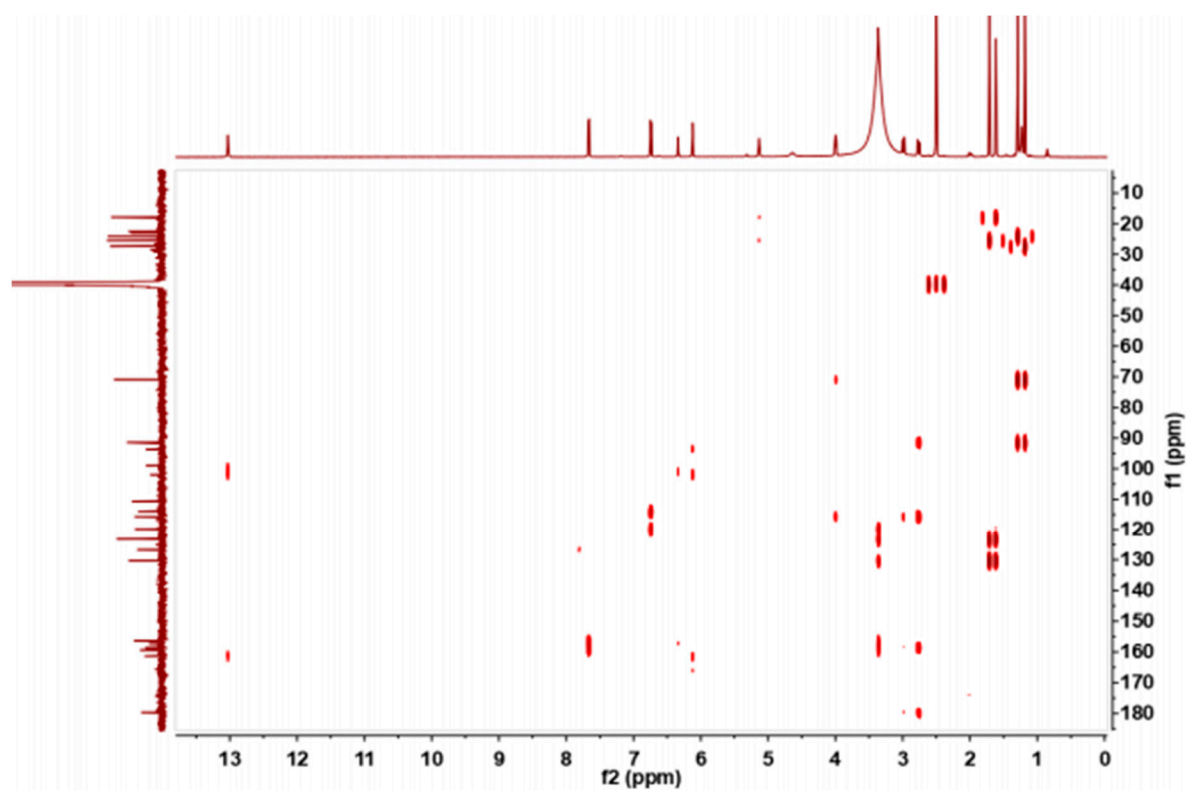


Figure S14. HMBC spectrum of compound **11** in DMSO.

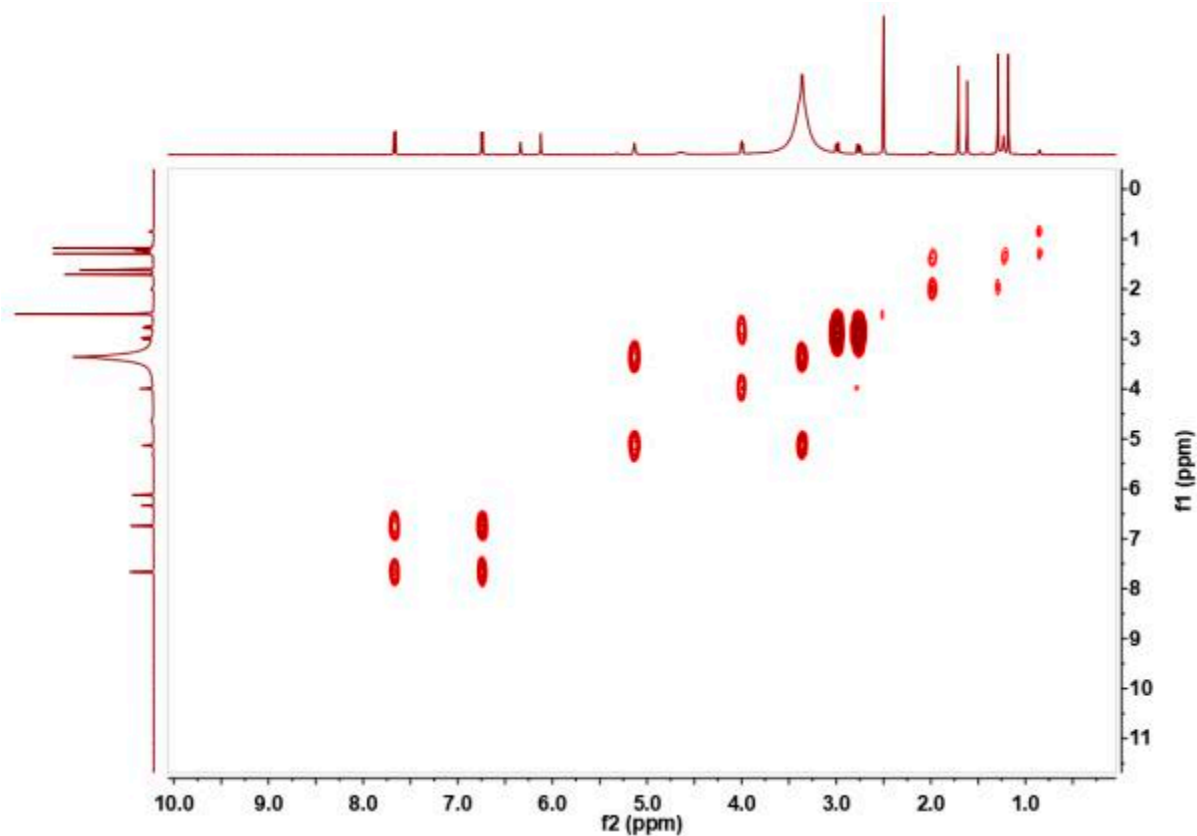


Figure S15. ^1H - ^1H COSY spectrum of compound **11** in DMSO.

Item name: 20220620-PXY-SBP-11-2

Channel name: Time 0.1308 +/- 0.0500 minutes

Item description:

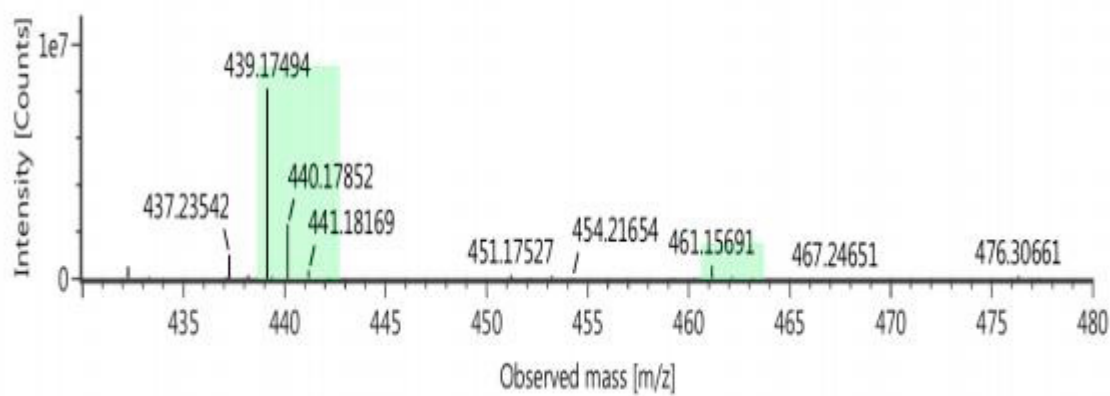


Figure S16. HR-ESI-MS spectrum of compound **12**.

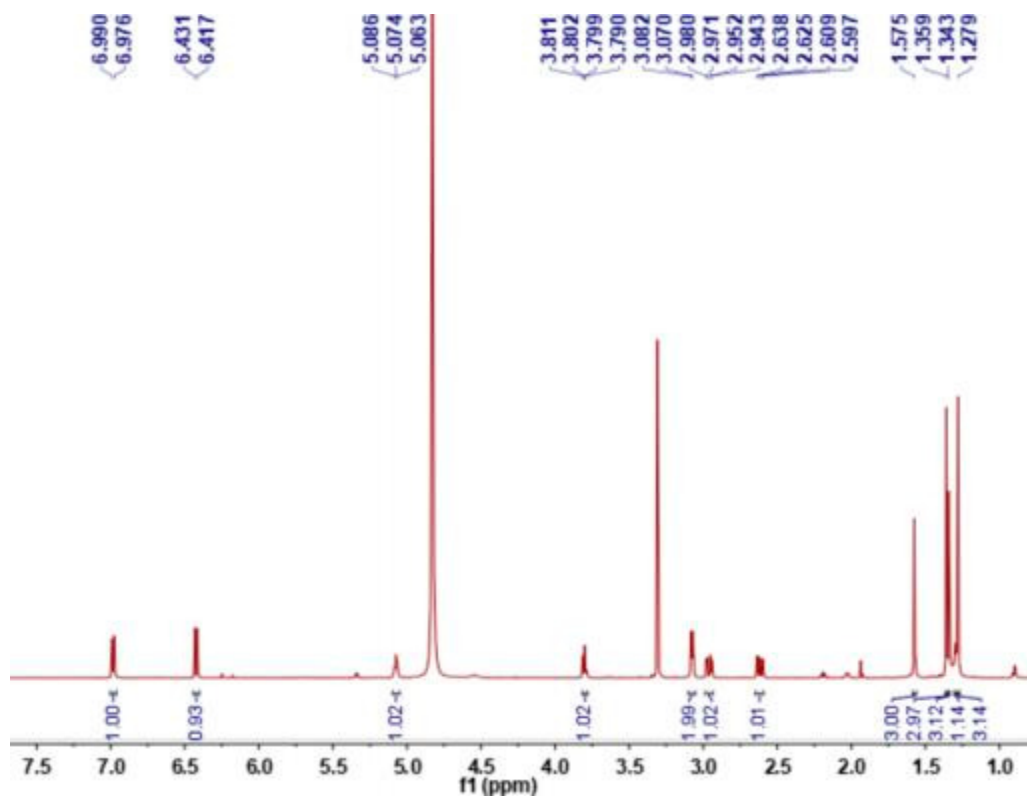


Figure S17. ^1H -NMR spectrum (600 MHz, CD_3OD) of compound 12.

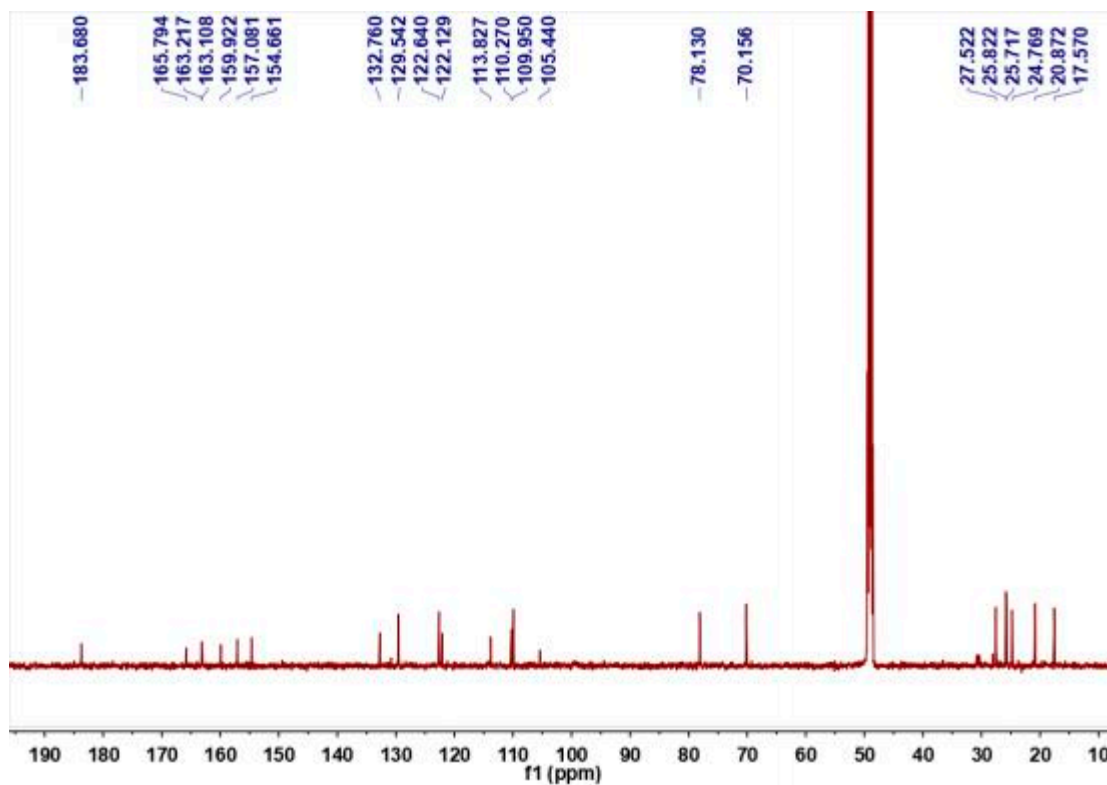


Figure S18. ^{13}C -NMR spectrum (150 MHz, CD_3OD) of compound 12.

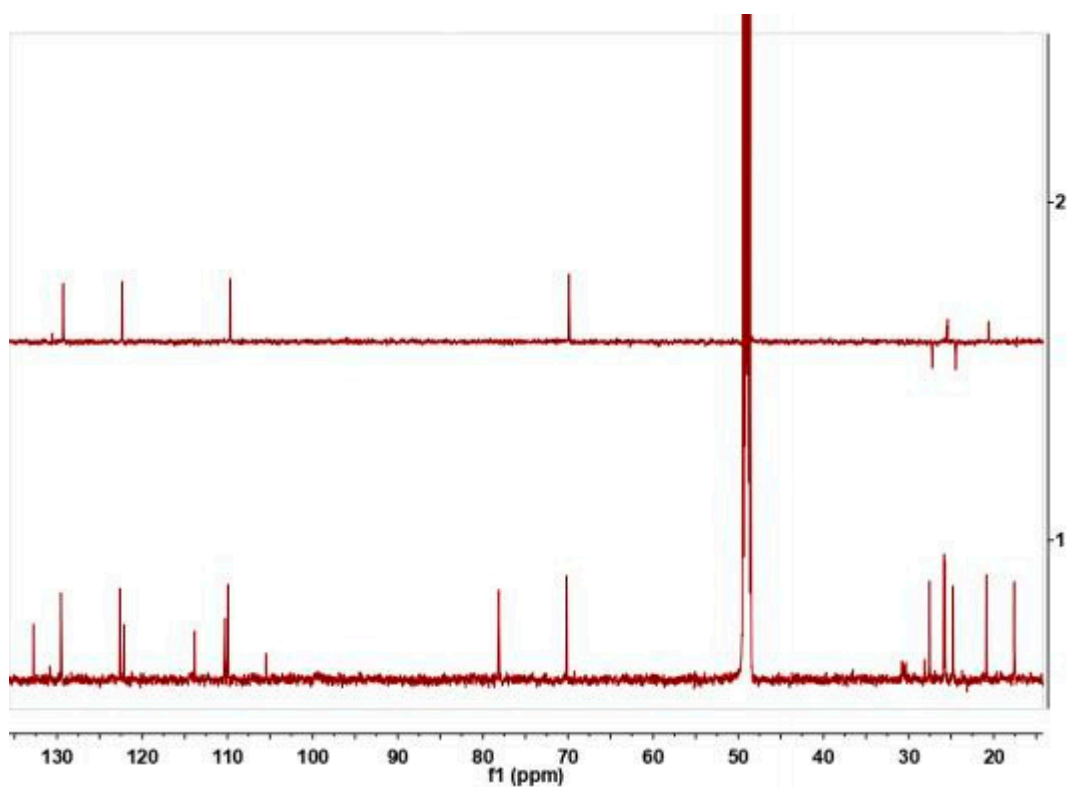


Figure S19. DEPT 135 spectrum (150 MHz, CD₃OD) of compound 12.

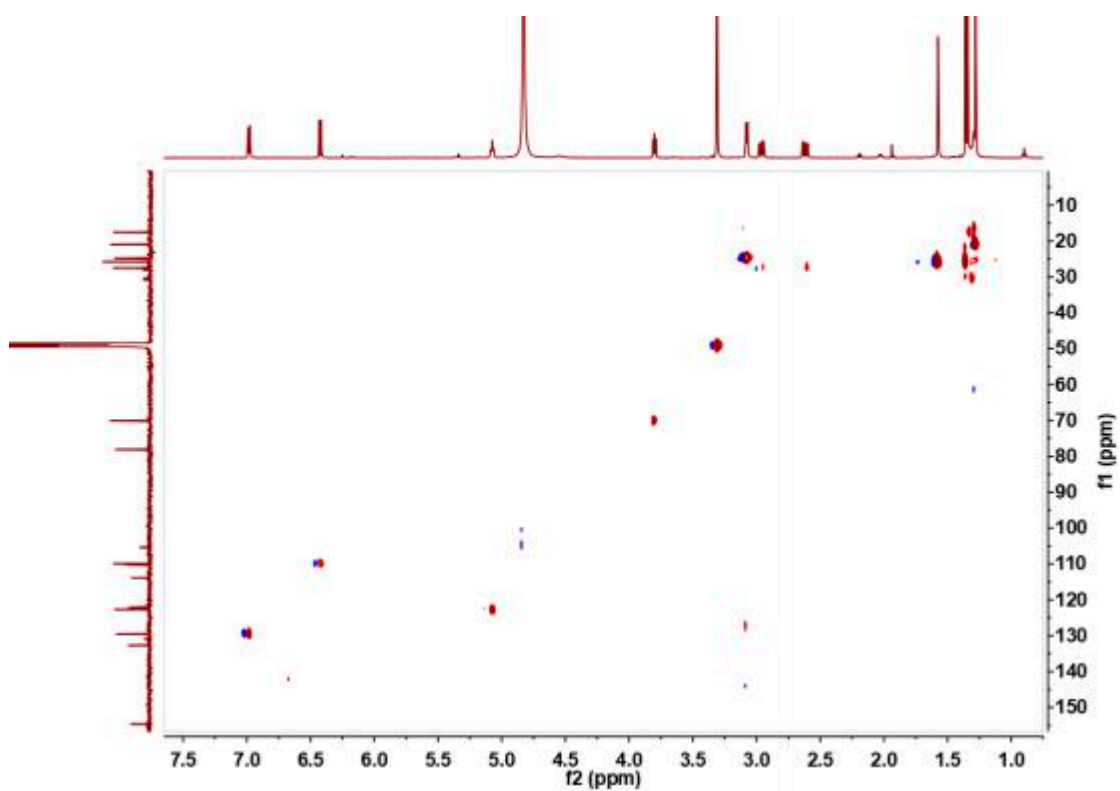


Figure S20. HSQC spectrum of compound 12 in CD₃OD.

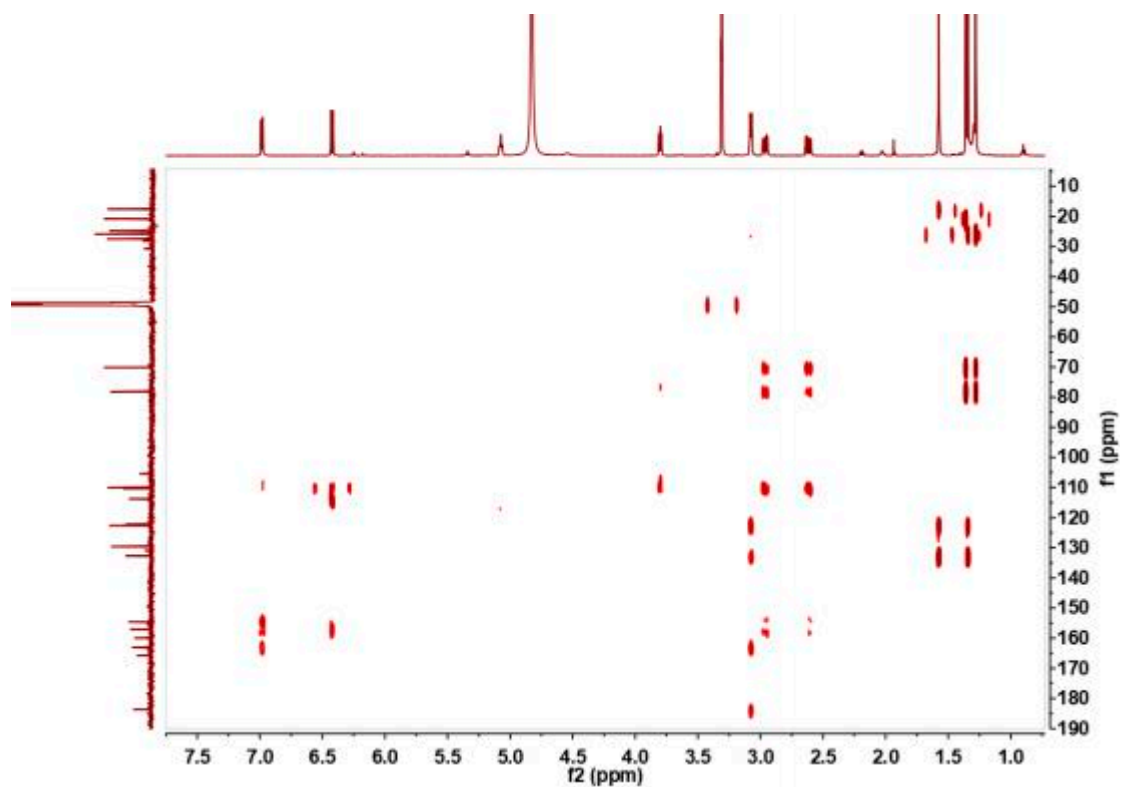


Figure S21. HMBC spectrum of compound 12 in CD₃OD.

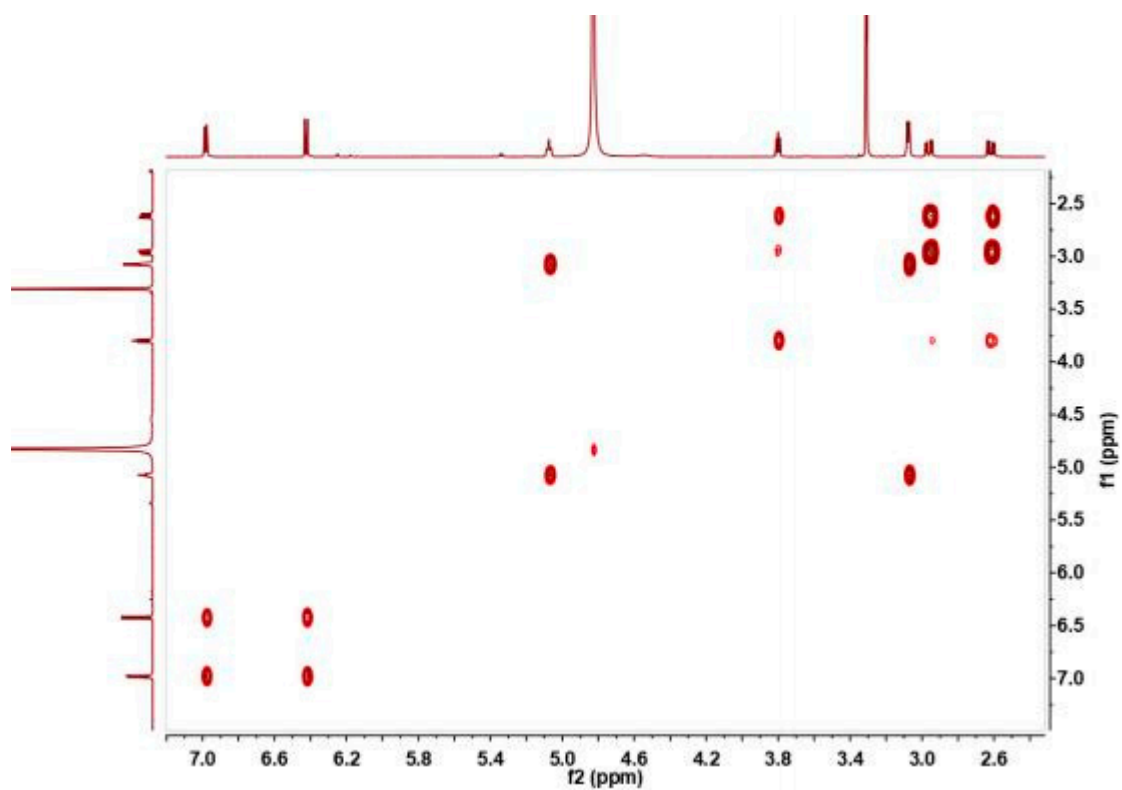


Figure S22. ¹H-¹H COSY spectrum of compound 12 in CD₃OD.

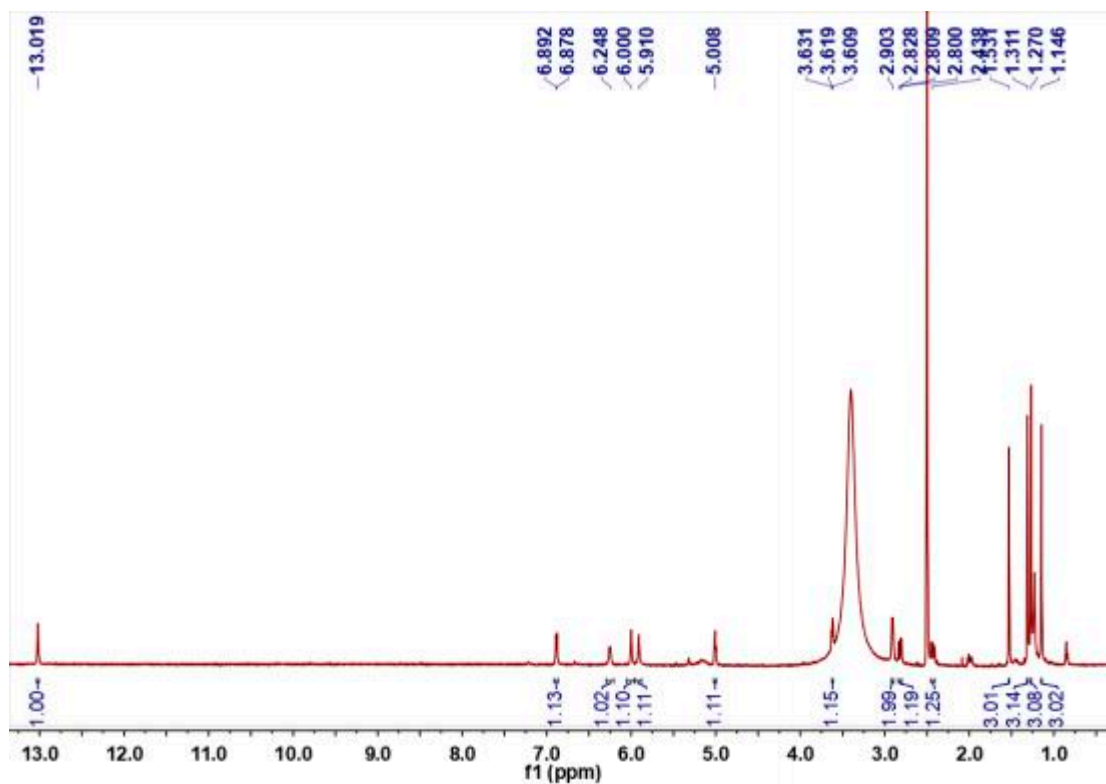


Figure S23. ¹H-NMR spectrum (600 MHz, DMSO) of compound 12.

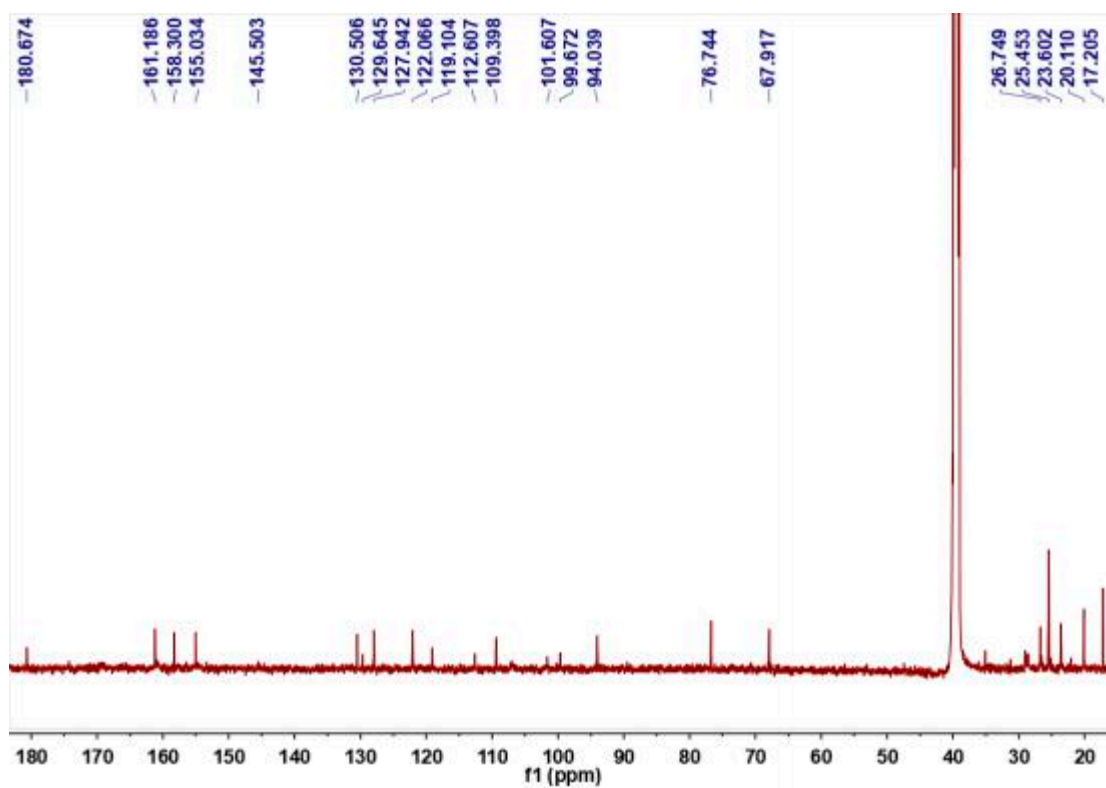


Figure S24. ¹³C-NMR (150 MHz, DMSO) spectrum of compound 12.

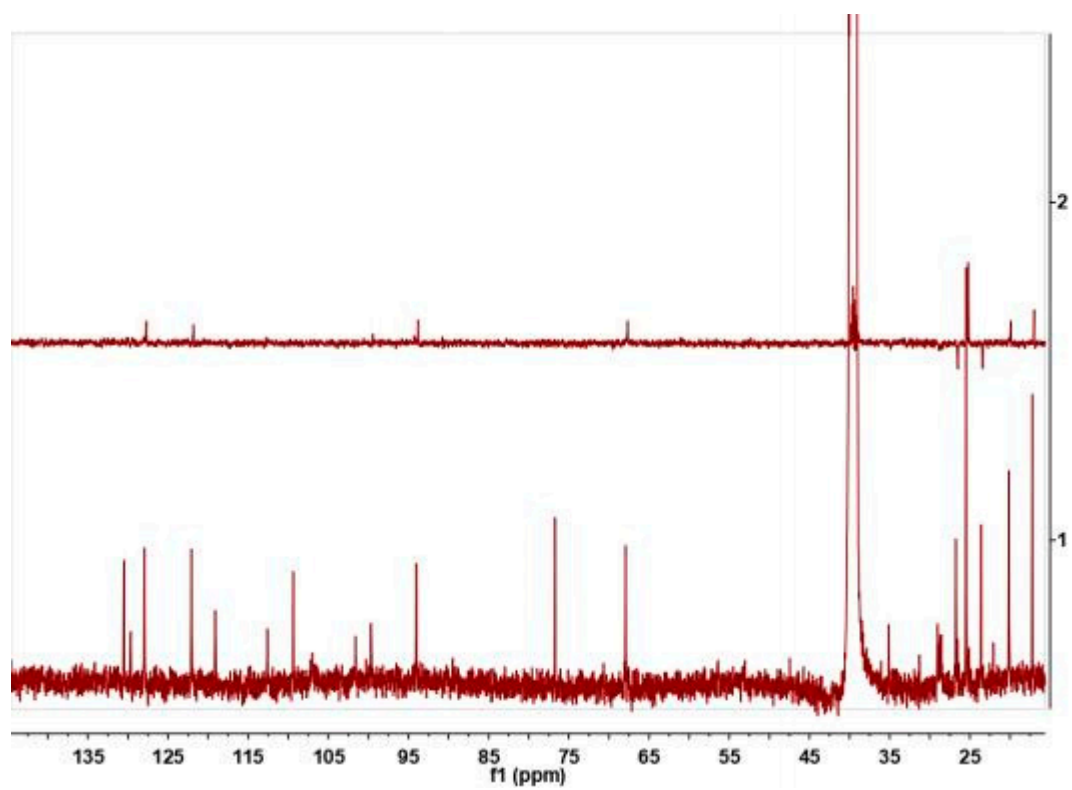


Figure S25. DEPT 135 spectrum (150 MHz, DMSO) of compound **12**.