

Supplementary Materials

Seven new drimane-type sesquiterpenoids from a marine-derived fungus

Paraconiothyrium sporulosum YK-03

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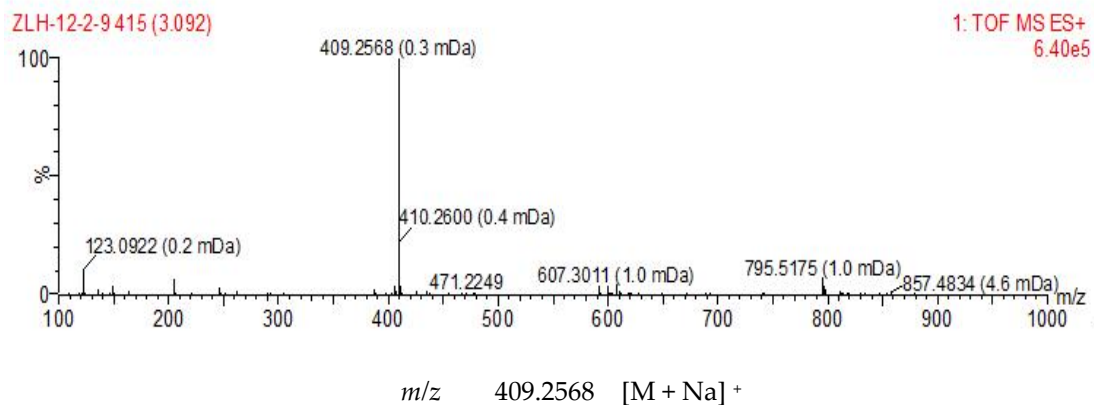


Figure S1. HR ESI-TOF MS spectrum of compound 1

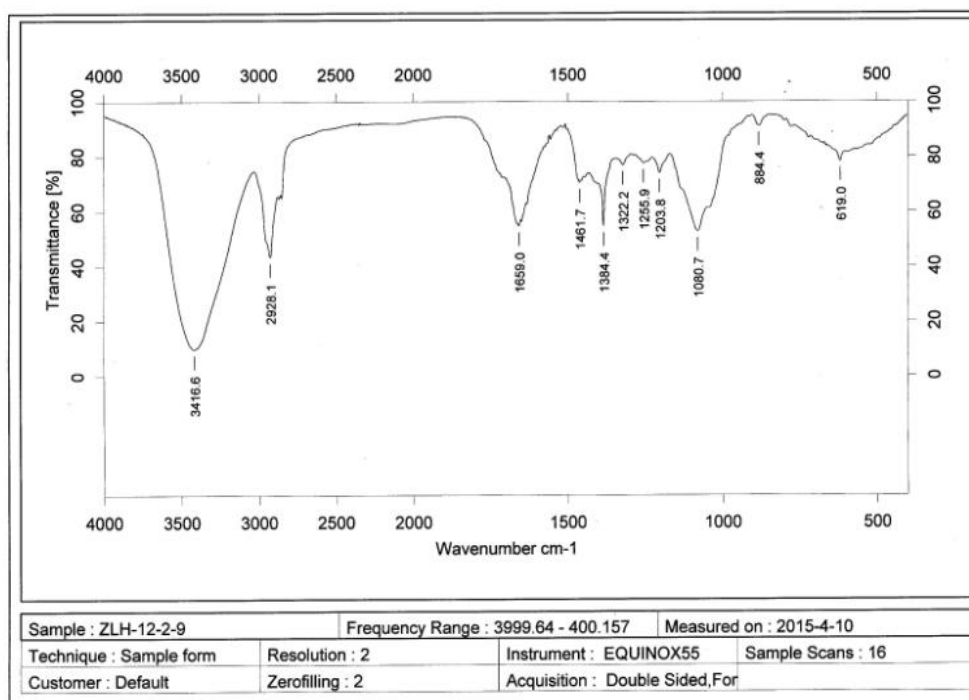


Figure S2. IR spectrum of compound 1

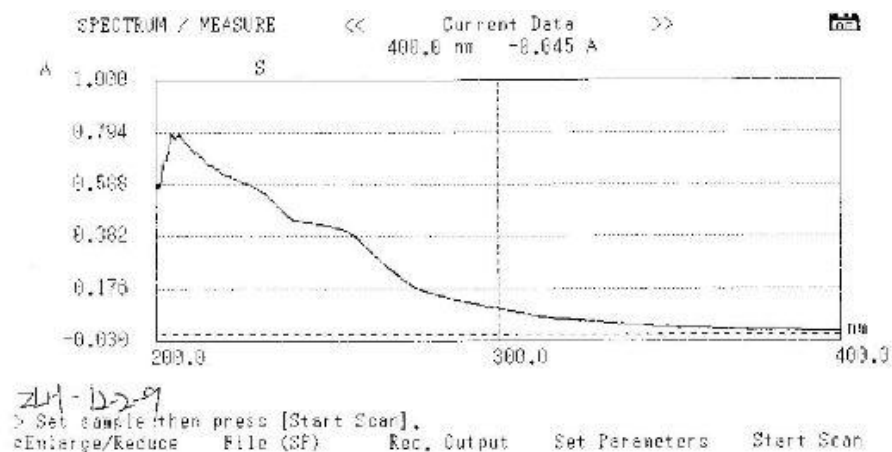


Figure S3. UV spectrum of compound 1

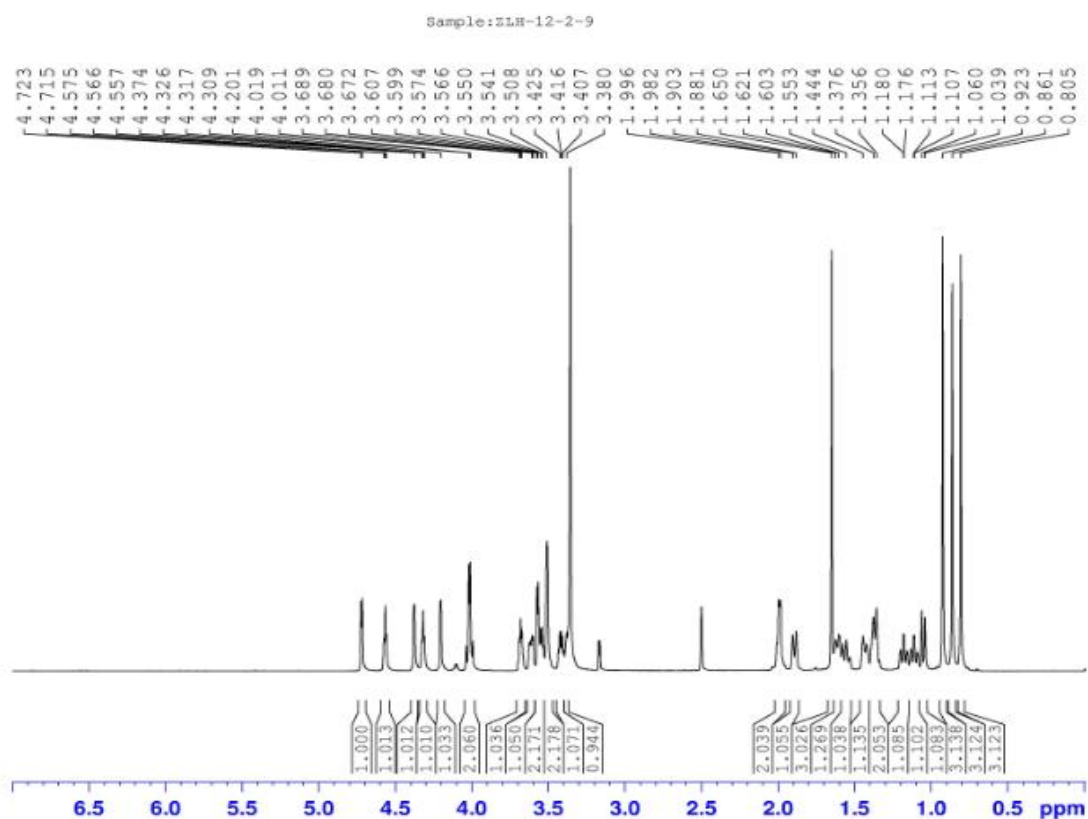


Figure S4. ^1H NMR (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 1

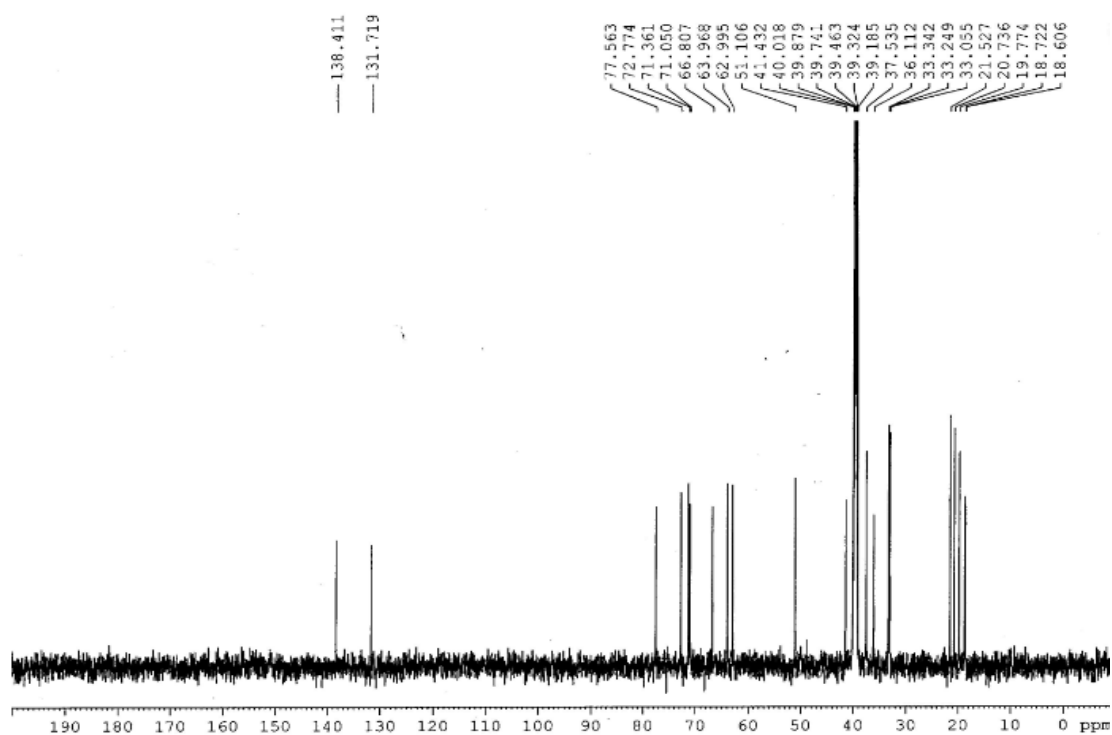


Figure S5. ^{13}C NMR (100 MHz, $\text{DMSO}-d_6$) spectrum of compound 1

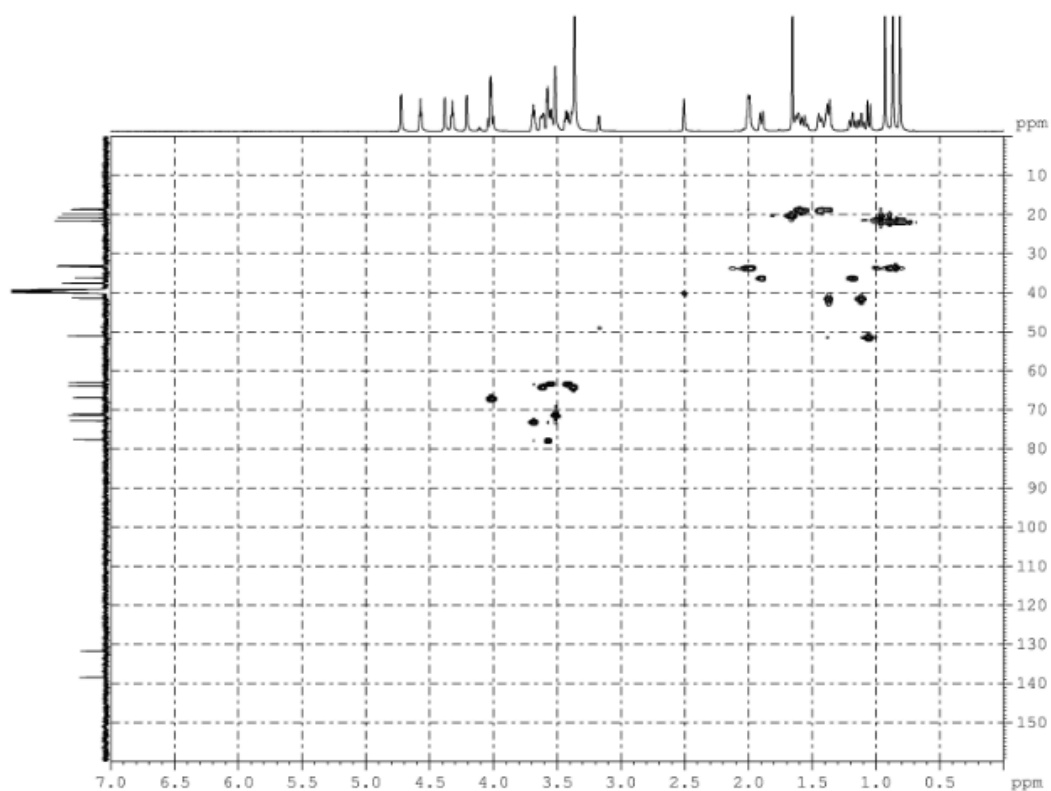


Figure S6. HSQC (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 1

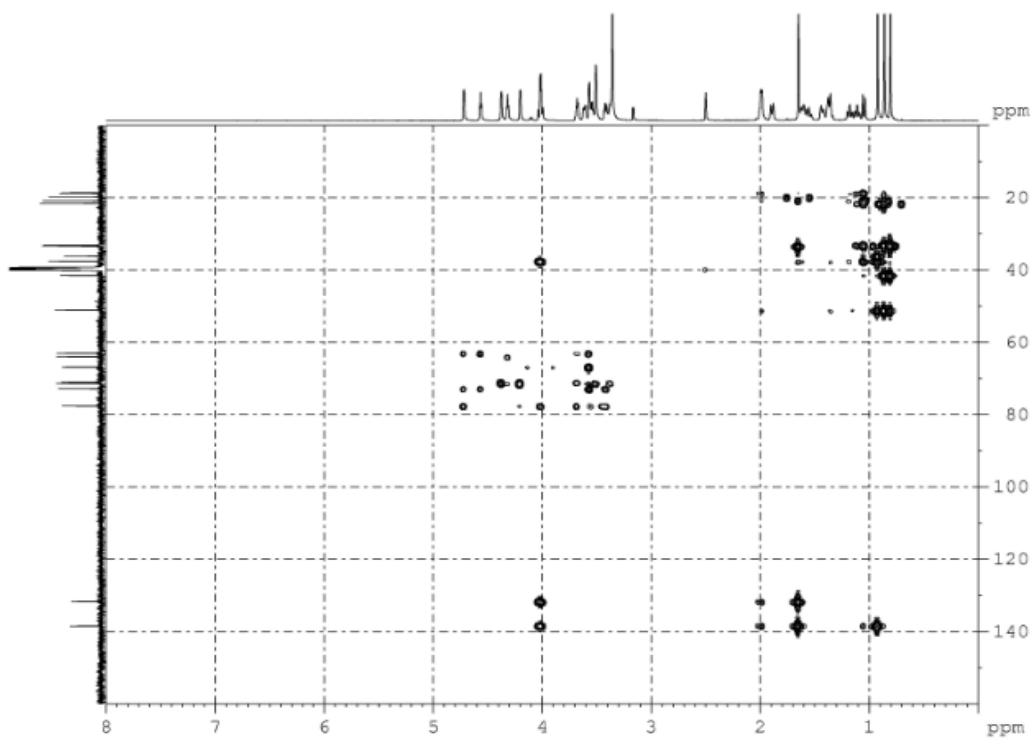


Figure S7. HMBC (600 MHz, DMSO-*d*₆) spectrum of compound 1

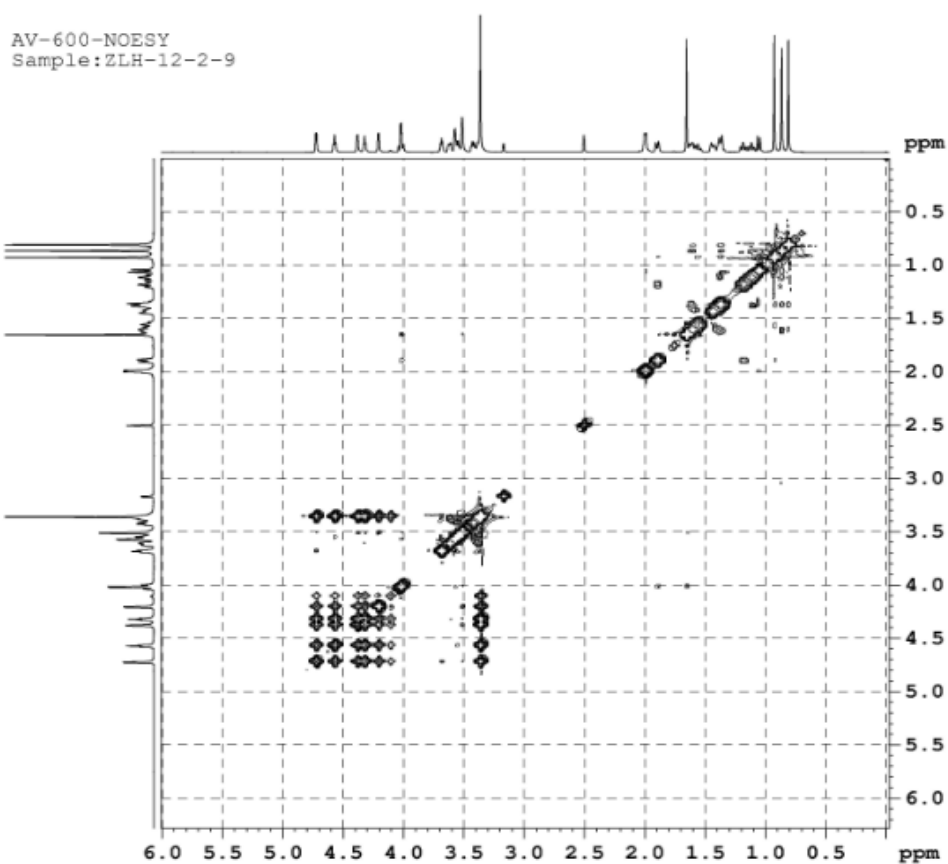


Figure S8. NOESY spectrum (600 MHz, DMSO-*d*₆) of compound 1

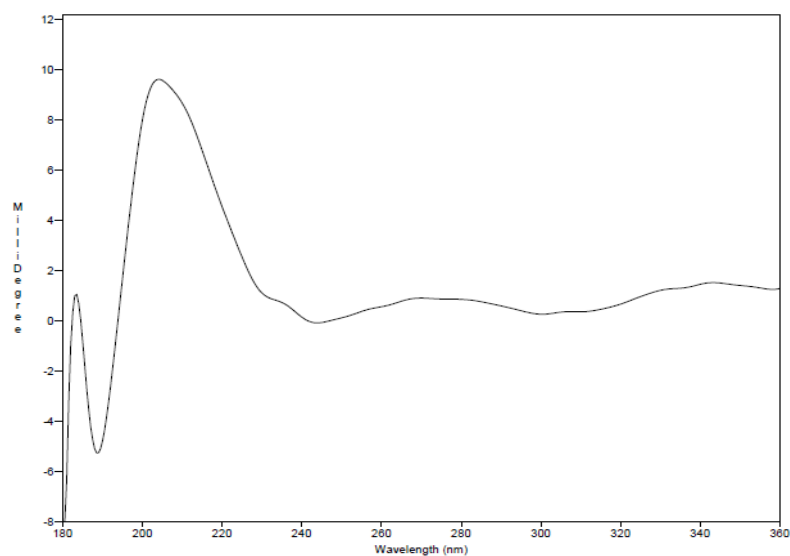


Figure S9. CD spectrum of compound 1 in CH₃CN

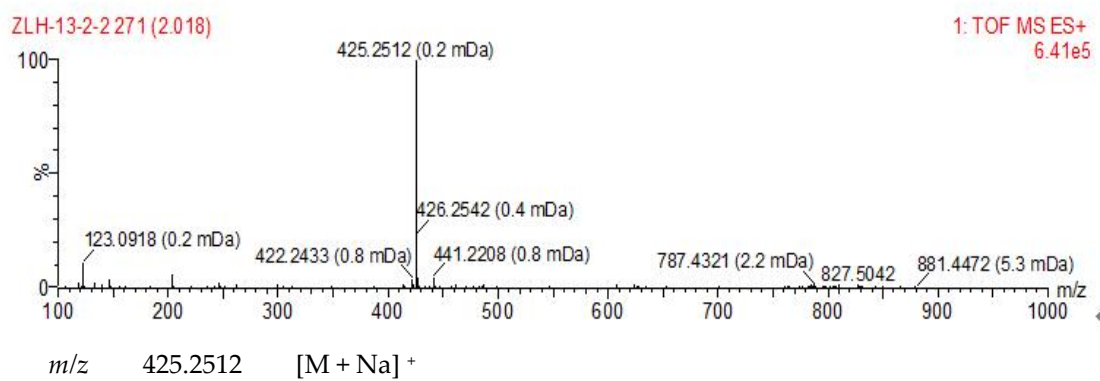


Figure S10. HR ESI-TOF MS spectrum of compound 2

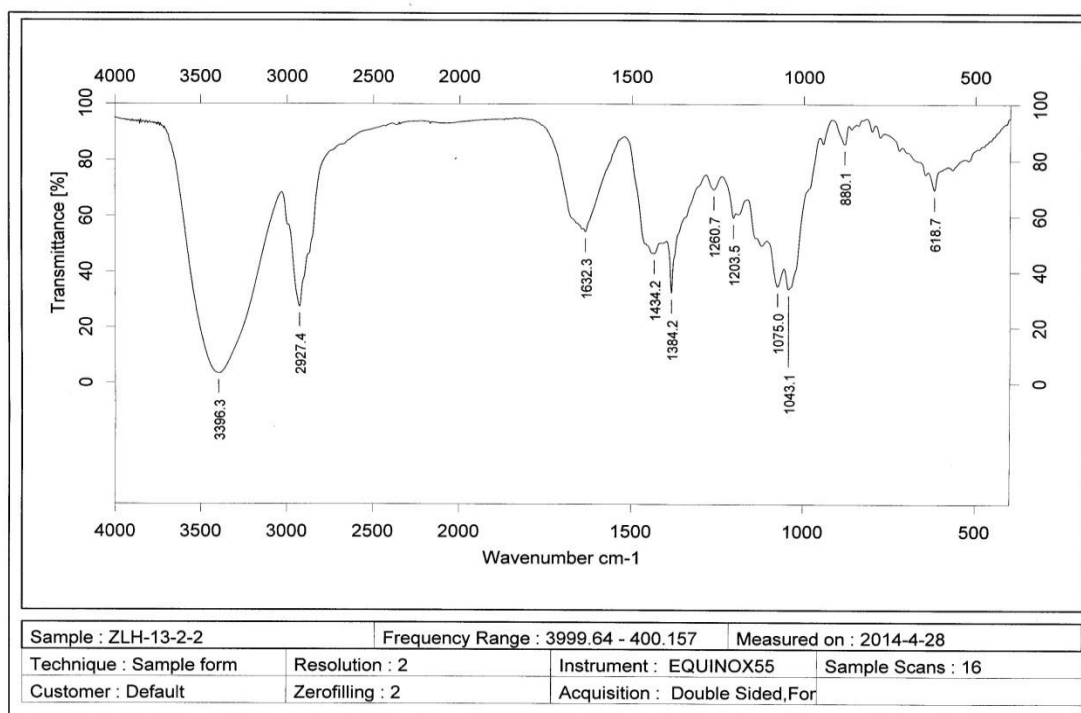


Figure S11. IR spectrum of compound 2

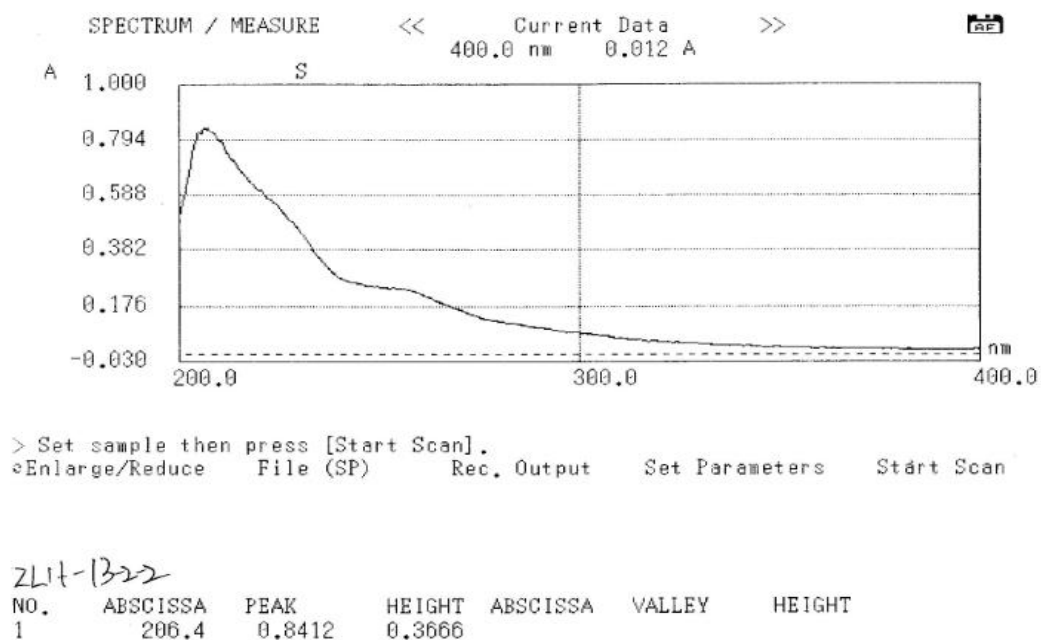


Figure S12. UV spectrum of compound 2

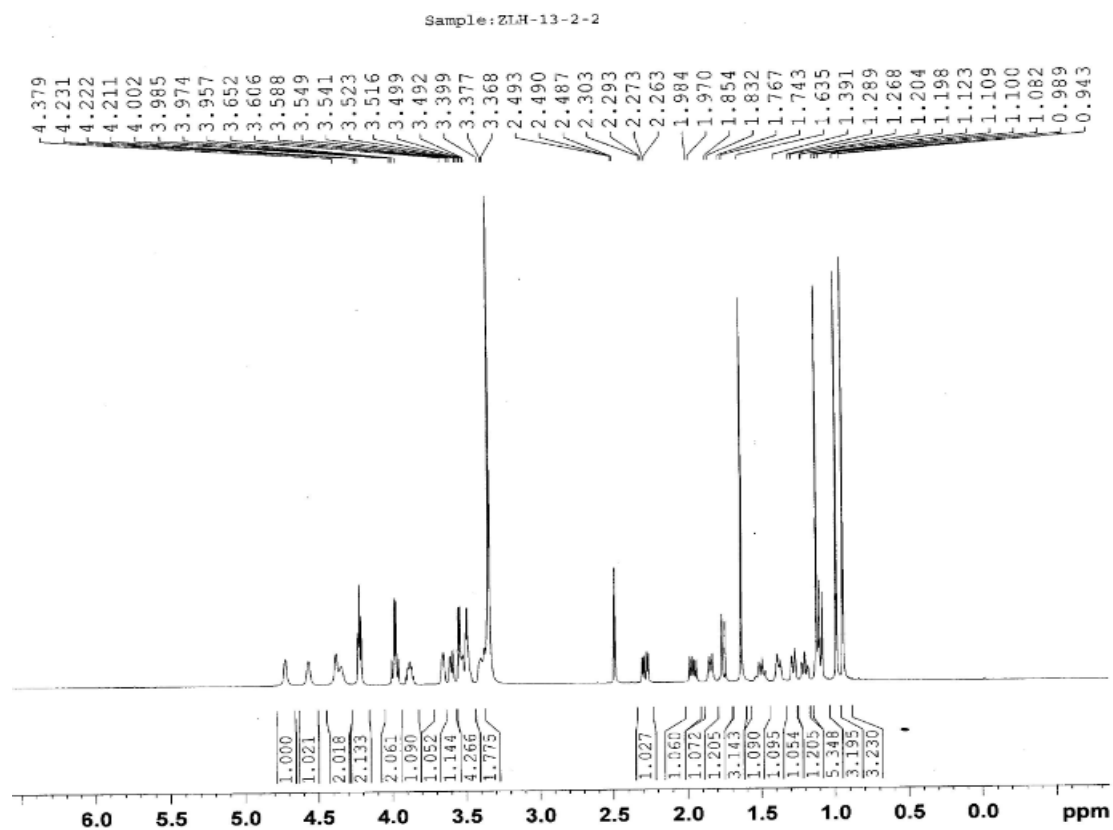


Figure S13. ^1H NMR (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 2

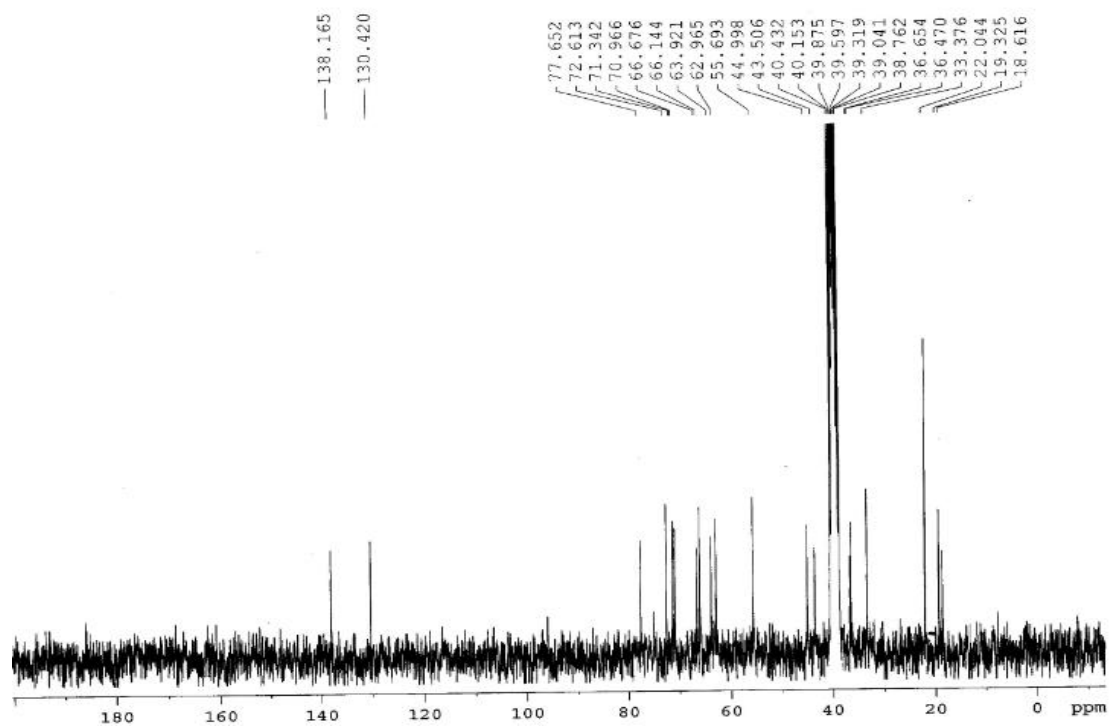


Figure S14. ^{13}C NMR (100 MHz, $\text{DMSO}-d_6$) spectrum of compound 2

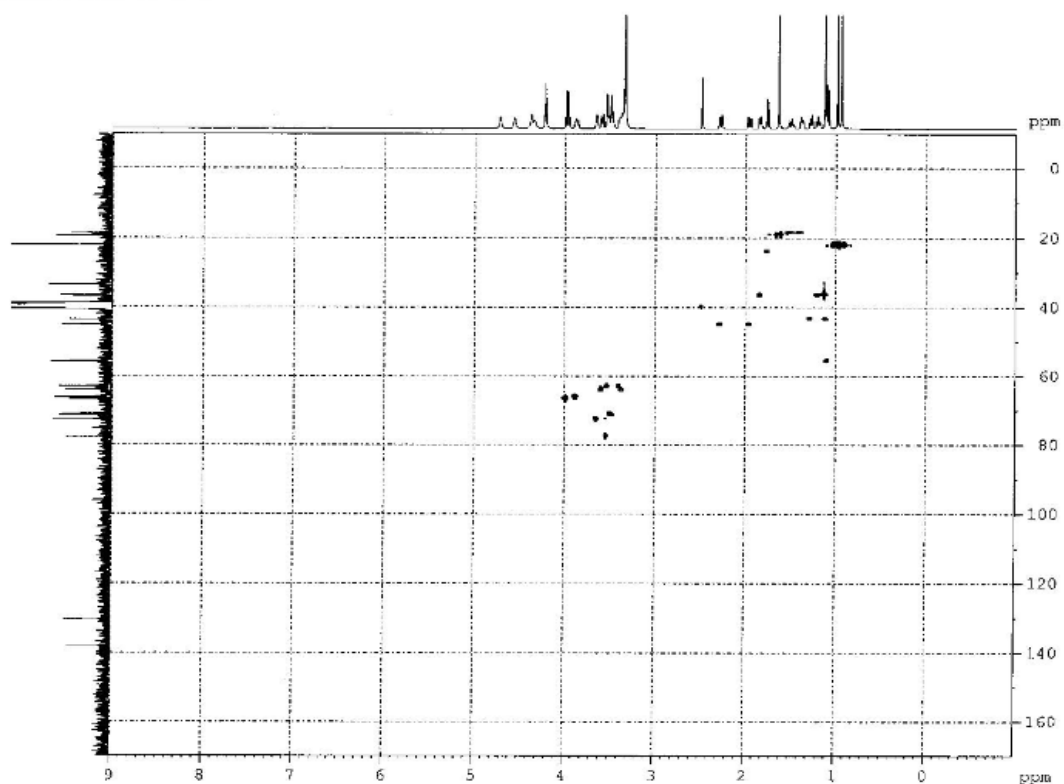


Figure S15. HSQC (600 MHz, DMSO-*d*₆) spectrum of compound 2

AV-600-HMBC
Sample: ZLH-13-2-2

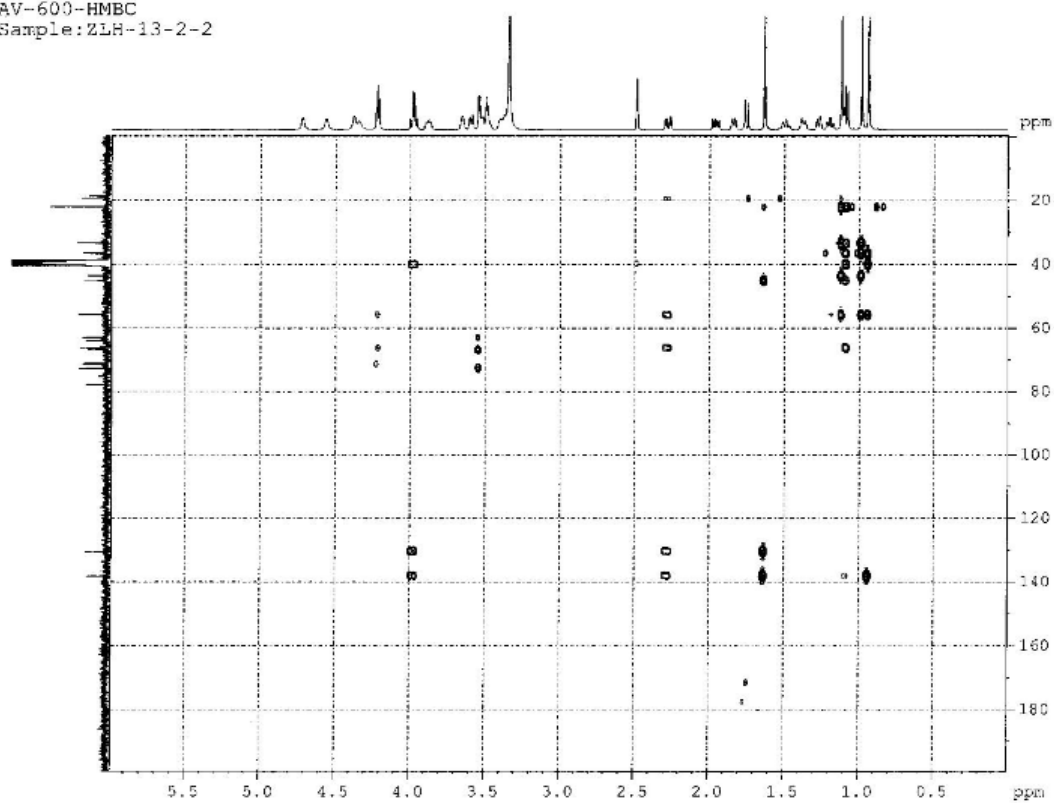


Figure S16. HMBC (600 MHz, DMSO-*d*₆) spectrum of compound 2

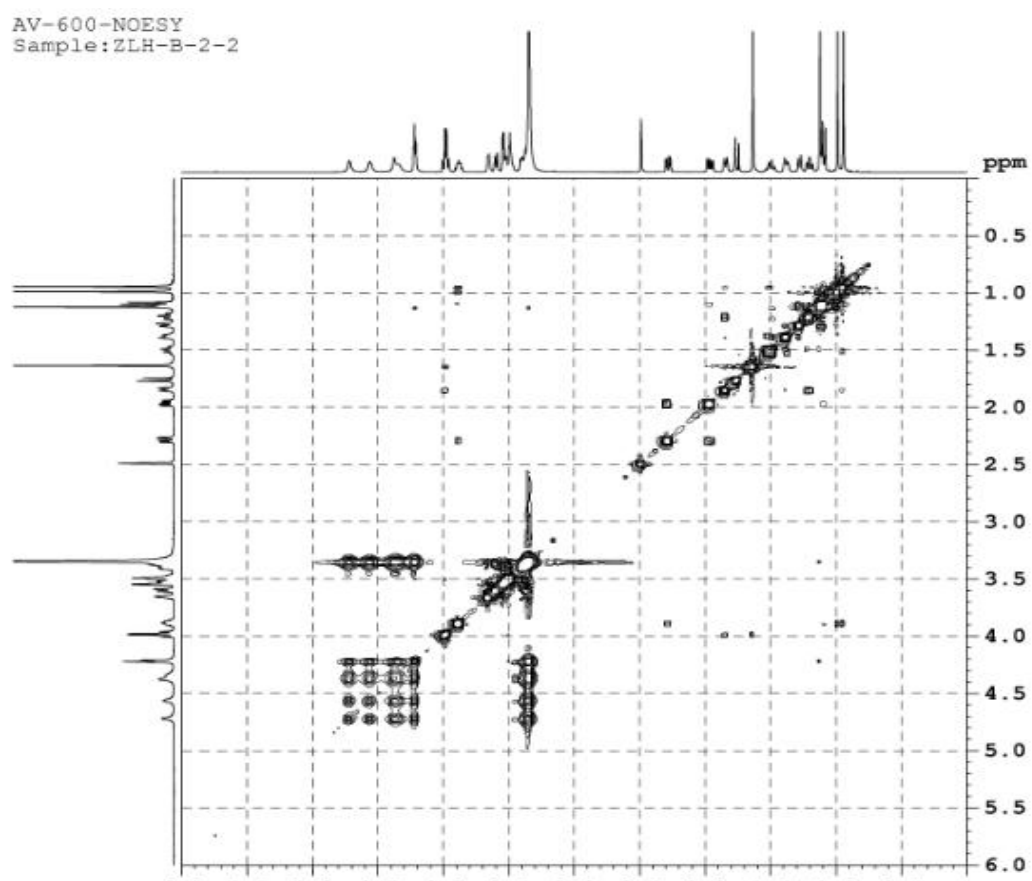


Figure S17. NOESY spectrum (600 MHz, DMSO- d_6) of compound 2

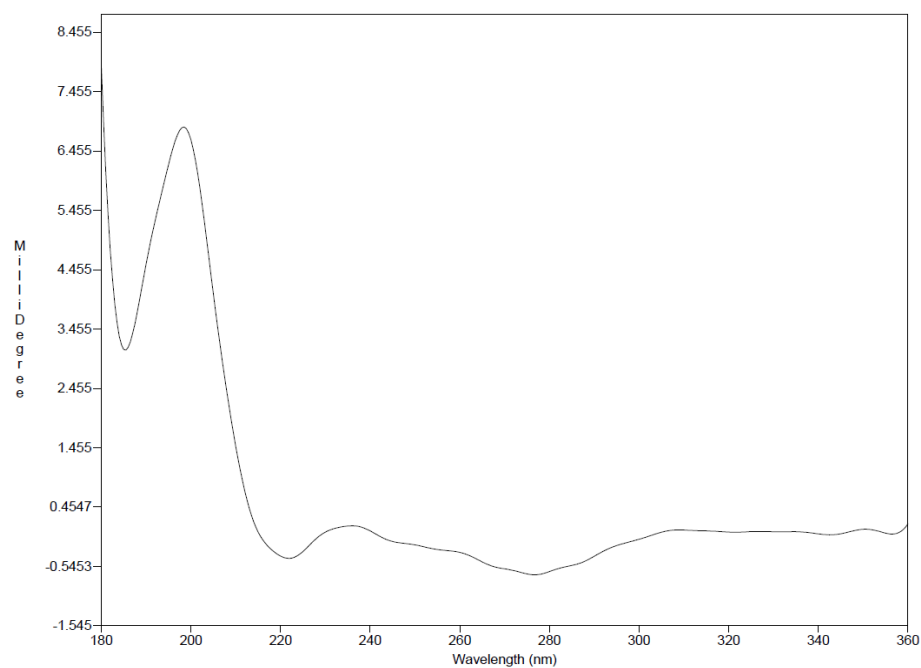


Figure S18. CD spectrum of compound 2 in CH₃CN

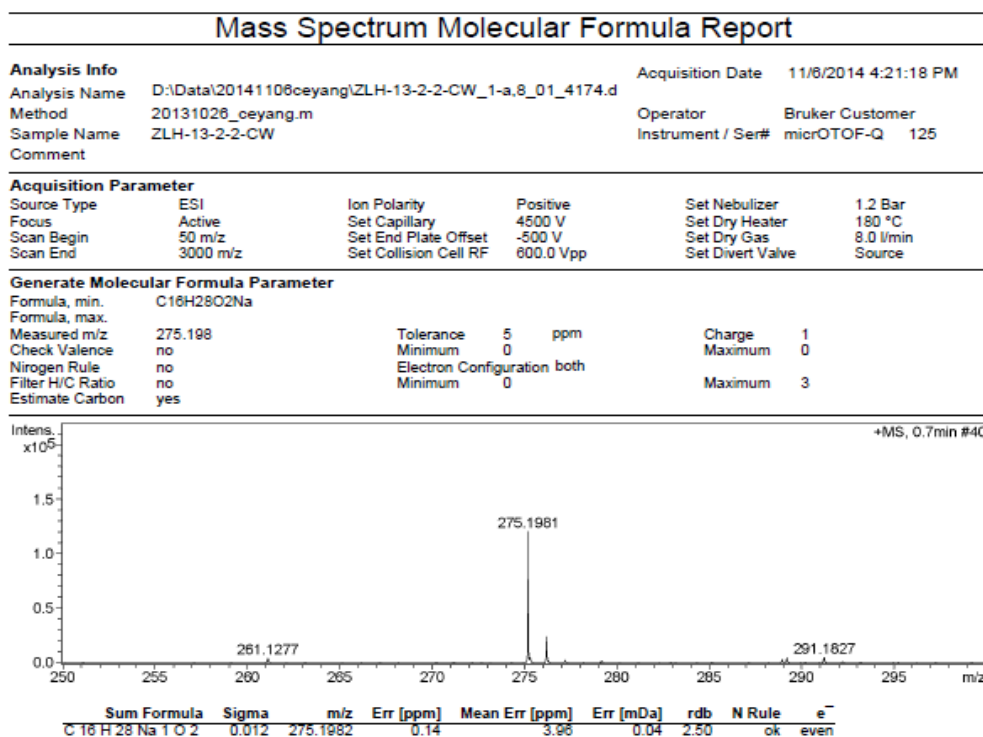


Figure S19. HR ESI-TOF MS spectrum of compound 2a

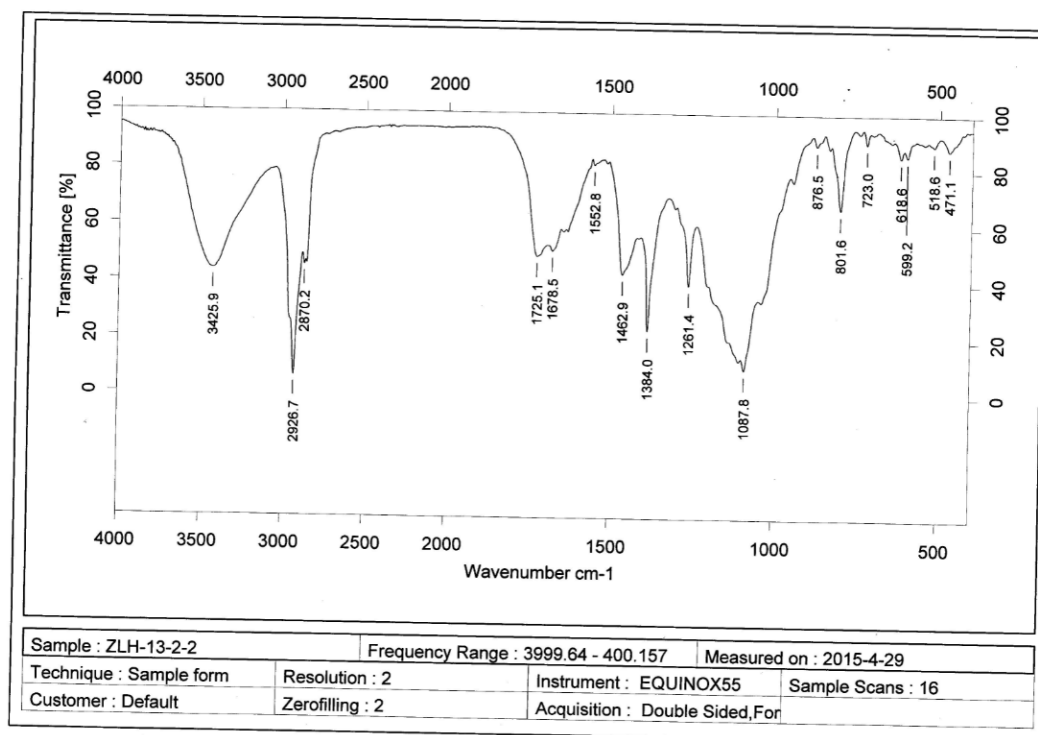
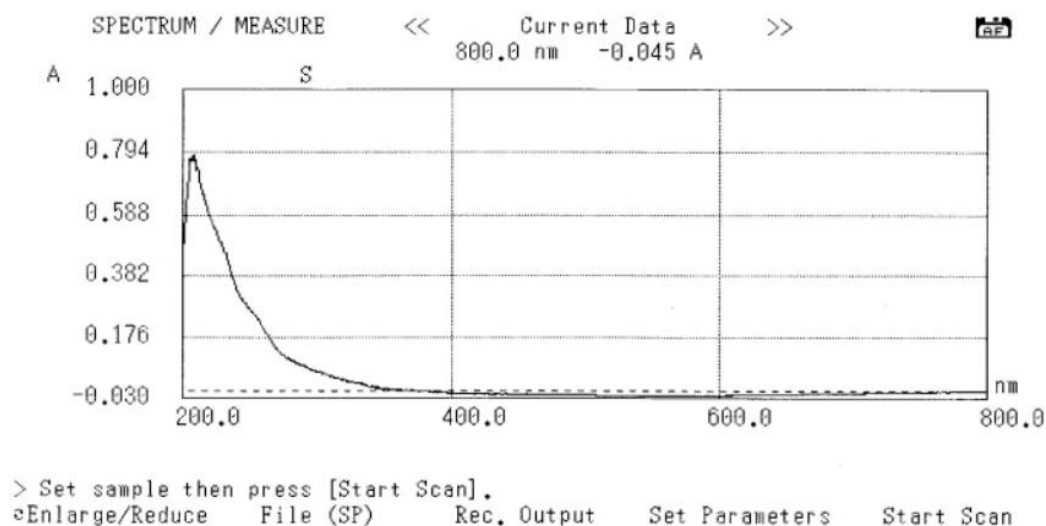


Figure S20. IR spectrum of compound 2a



NO.	ABSCISSA	PEAK	HEIGHT	ABSCISSA	VALLEY	HEIGHT
1	207.5	0.7844	0.3495	318.0	0.0331	-0.0141

Figure S21. UV spectrum of compound 2a

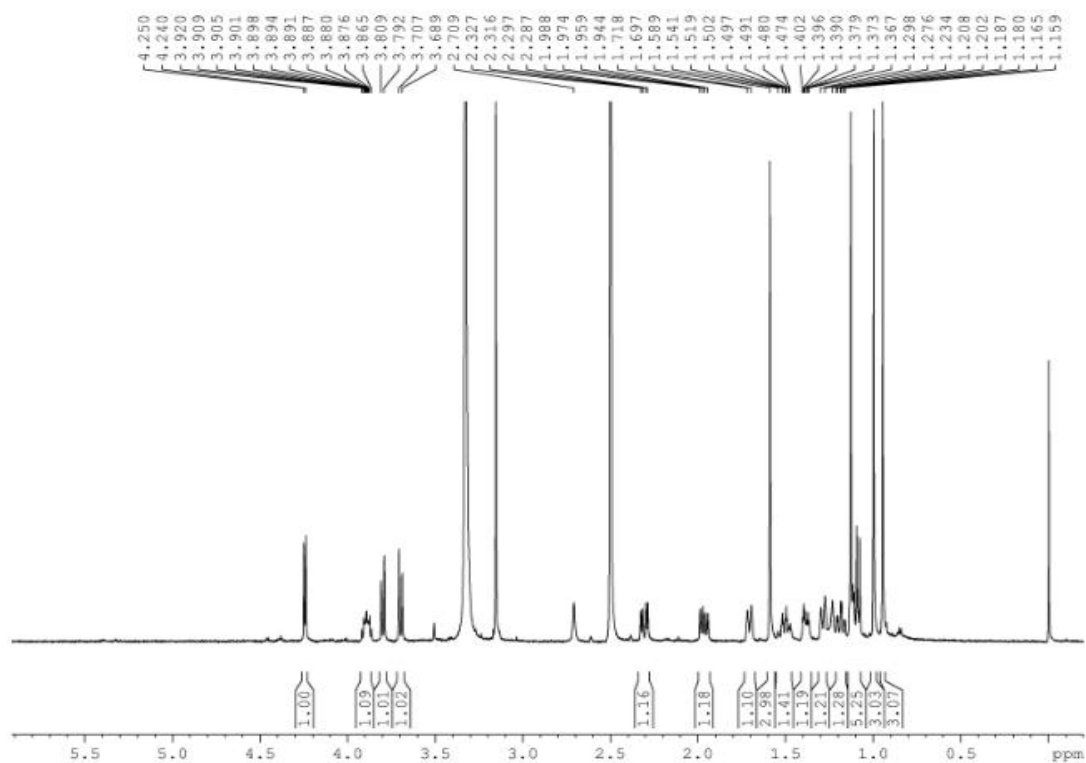


Figure S22. ^1H NMR (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 2a

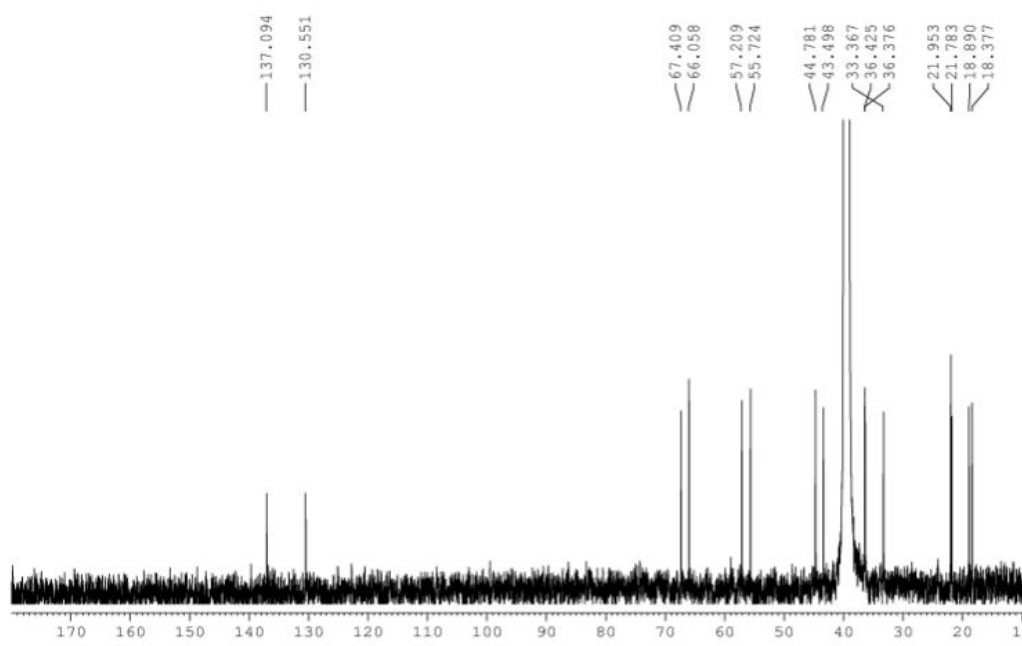


Figure S23. ^{13}C NMR (100 MHz, $\text{DMSO}-d_6$) spectrum of compound 2a

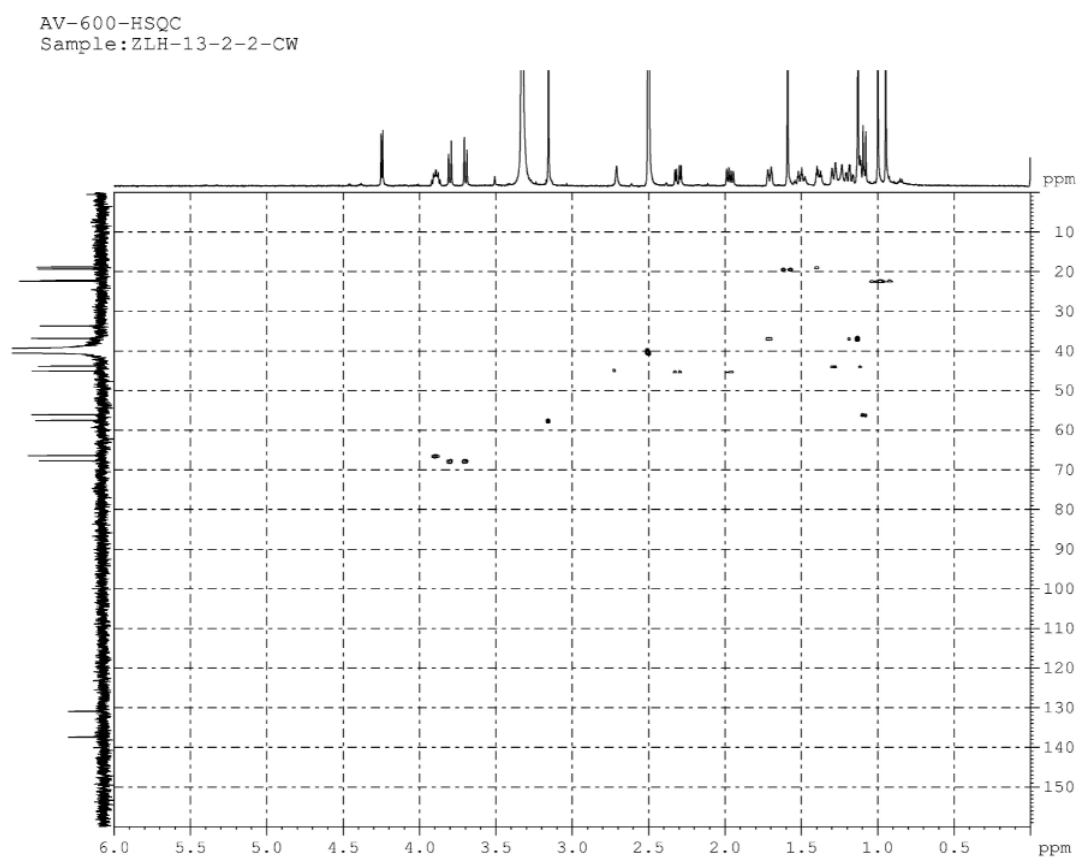


Figure S24. HSQC (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 2a

AV-600-HMBC
Sample: ZLH-13-2-2-CW

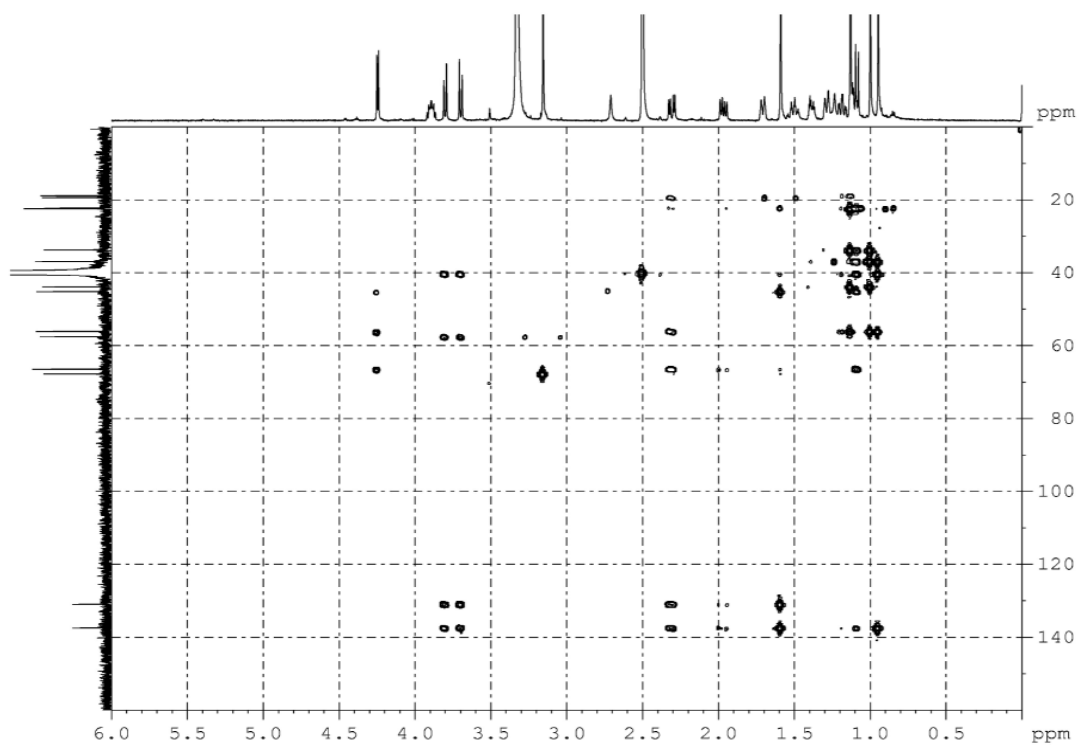


Figure S25. HSBC (600 MHz, DMSO-*d*₆) spectrum of compound 2a

AV-600-NOESY
Sample: ZLH-13-2-2-CW

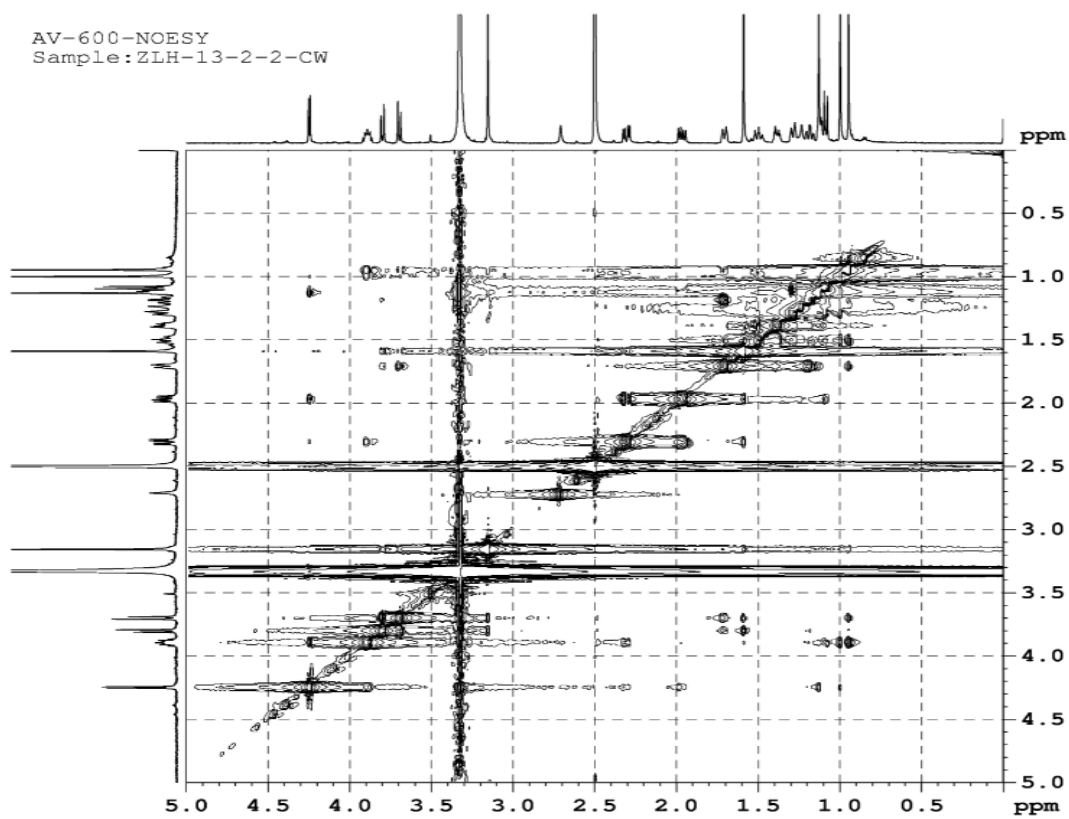


Figure S26. NOESY (600 MHz, DMSO-*d*₆) spectrum of compound 2a

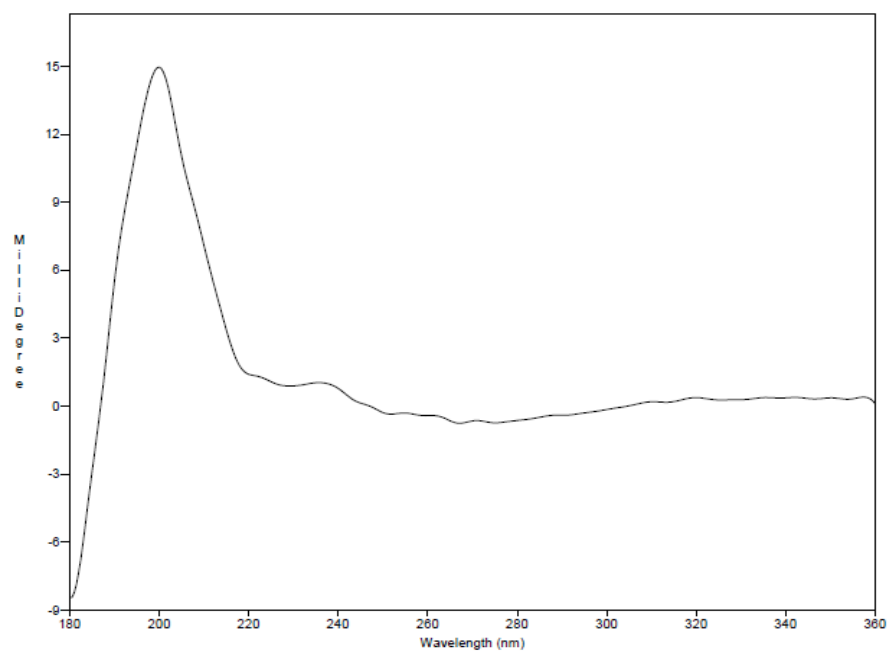


Figure S27. CD spectrum of compound 2a in CH₃CN

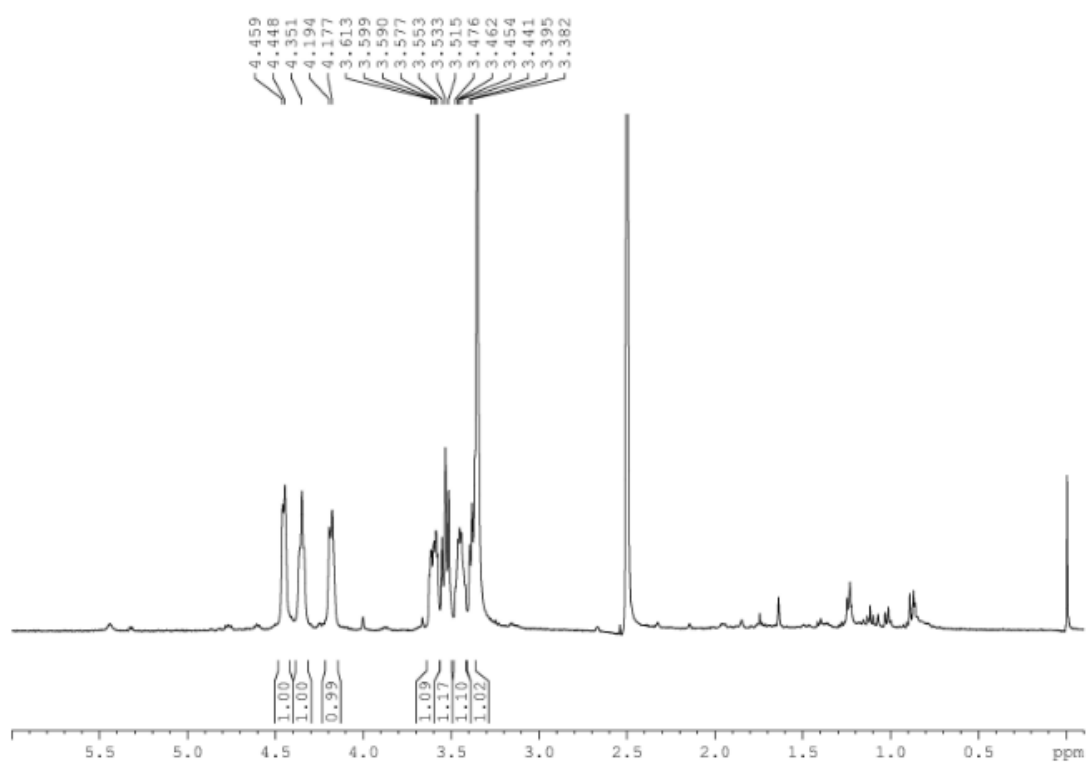


Figure S28. ¹H NMR (600 MHz, DMSO-*d*₆) spectrum of the hexitol

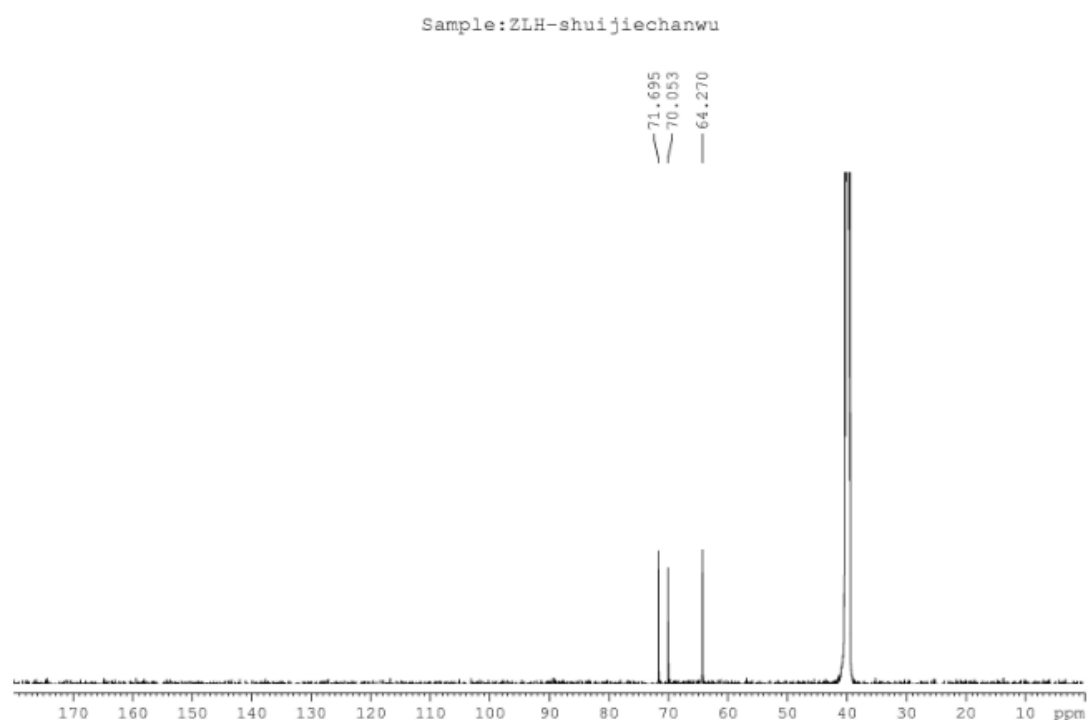


Figure S29. ^{13}C NMR (100 MHz, $\text{DMSO}-d_6$) spectrum of the hexitol

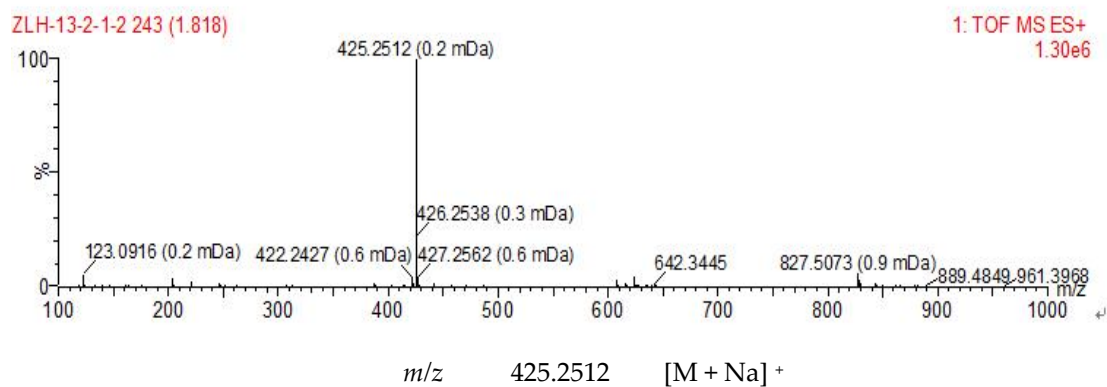


Figure S30. HR ESI-TOF MS spectrum of compound 3

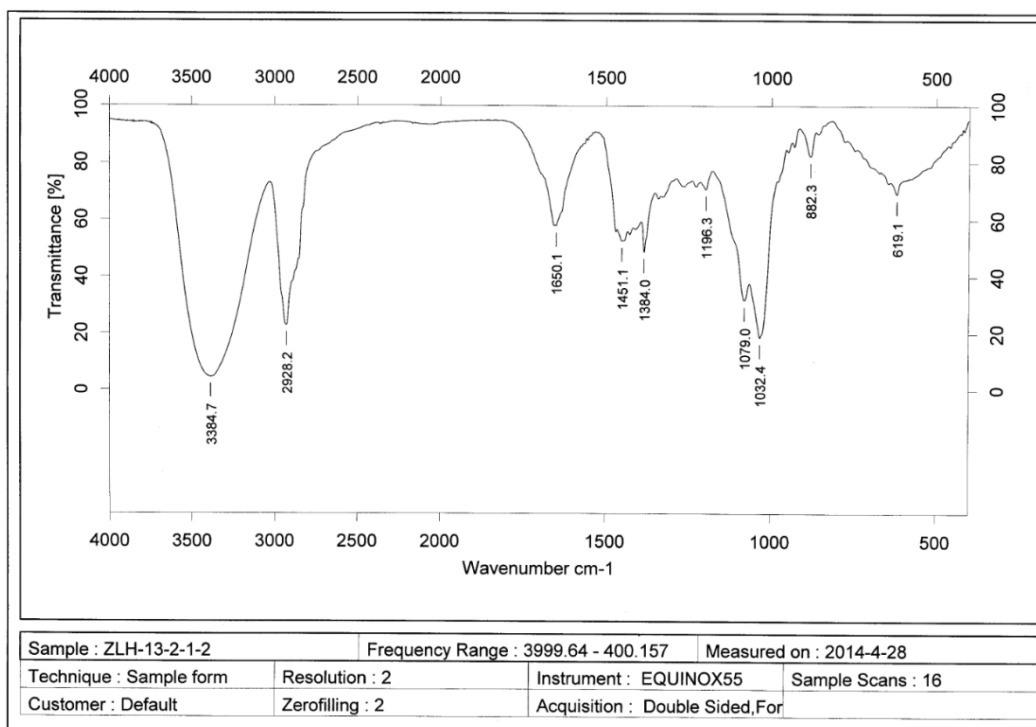


Figure S31. IR spectrum of compound 3

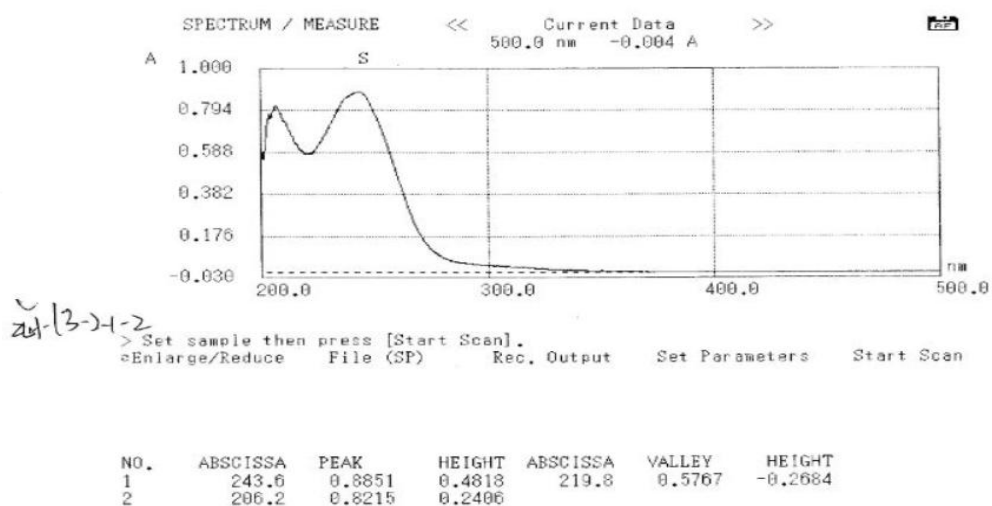


Figure S32. UV spectrum of compound 3

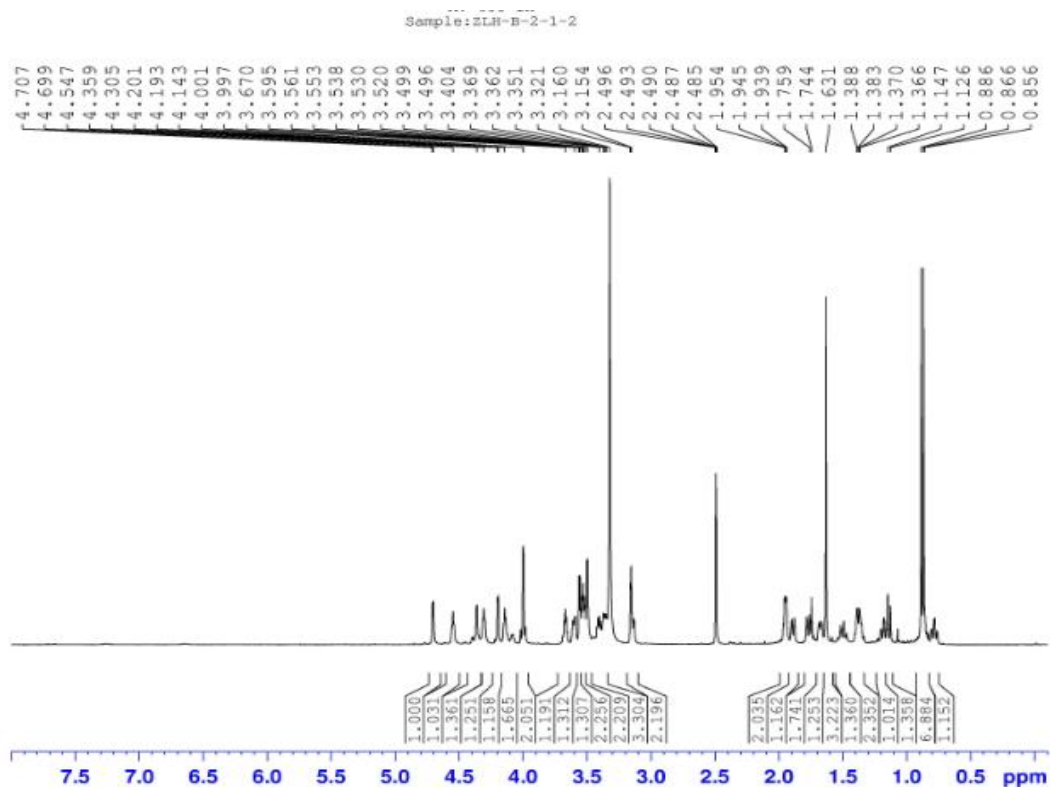


Figure S33. ^1H NMR (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 3

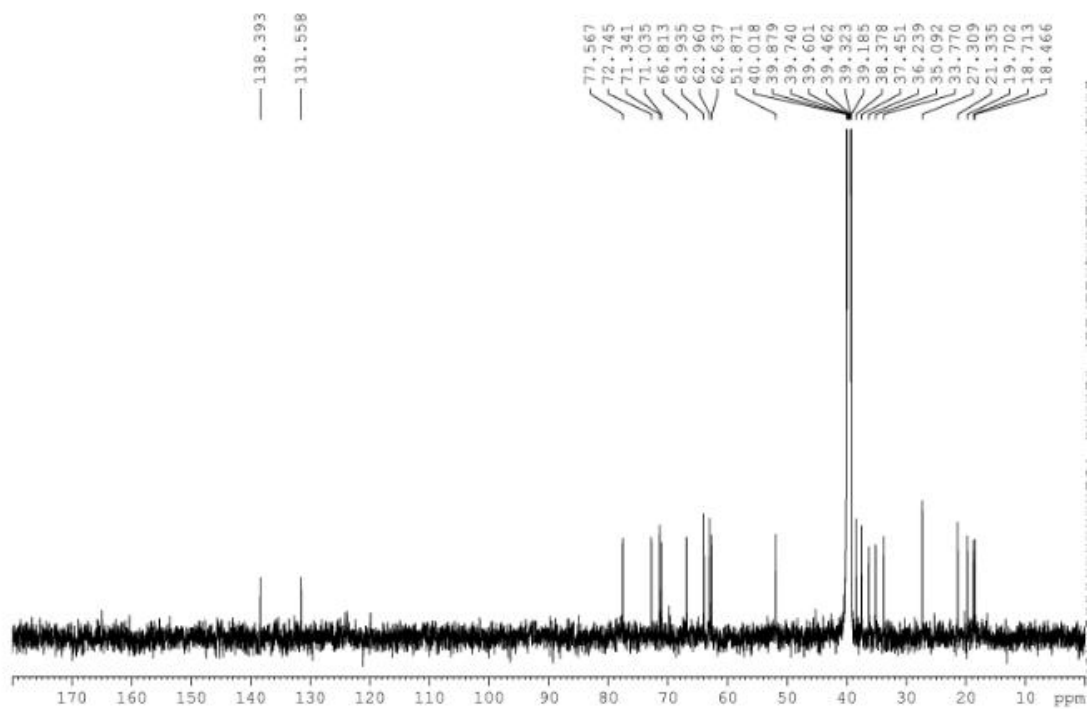


Figure S34. ^{13}C NMR (100 MHz, $\text{DMSO}-d_6$) spectrum of compound 3

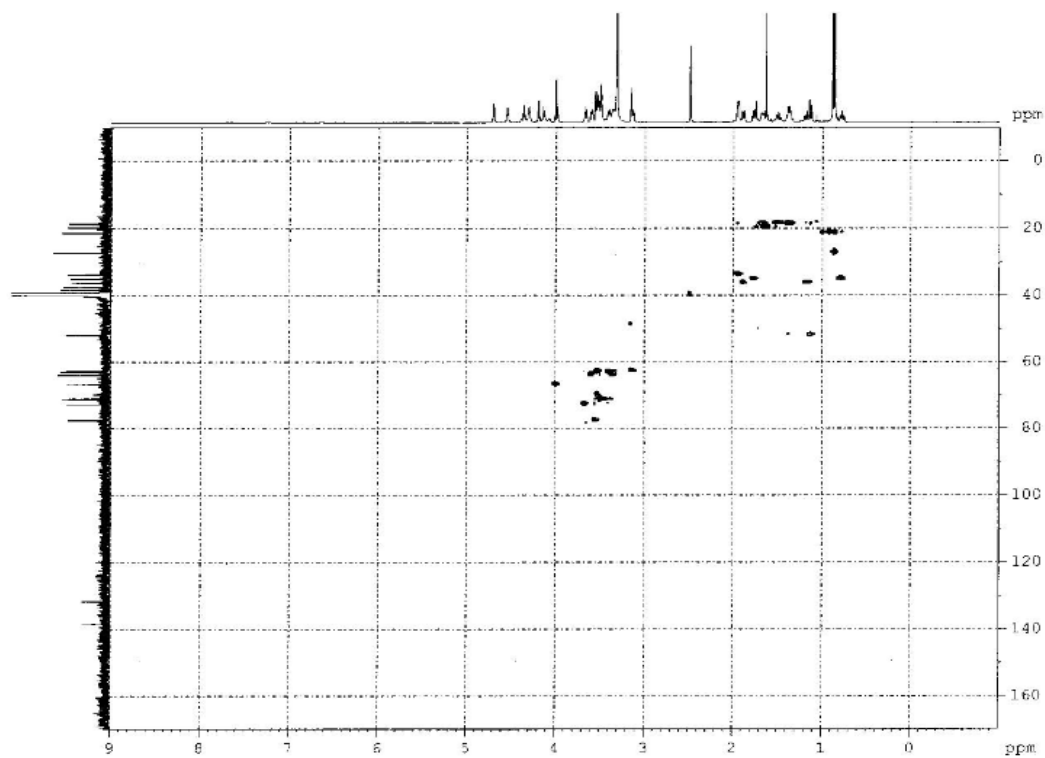


Figure S35. HSQC (600 MHz, DMSO- d_6) spectrum of compound 3

AV-600-HMBC
Sample:ZLH-B-2-1-2

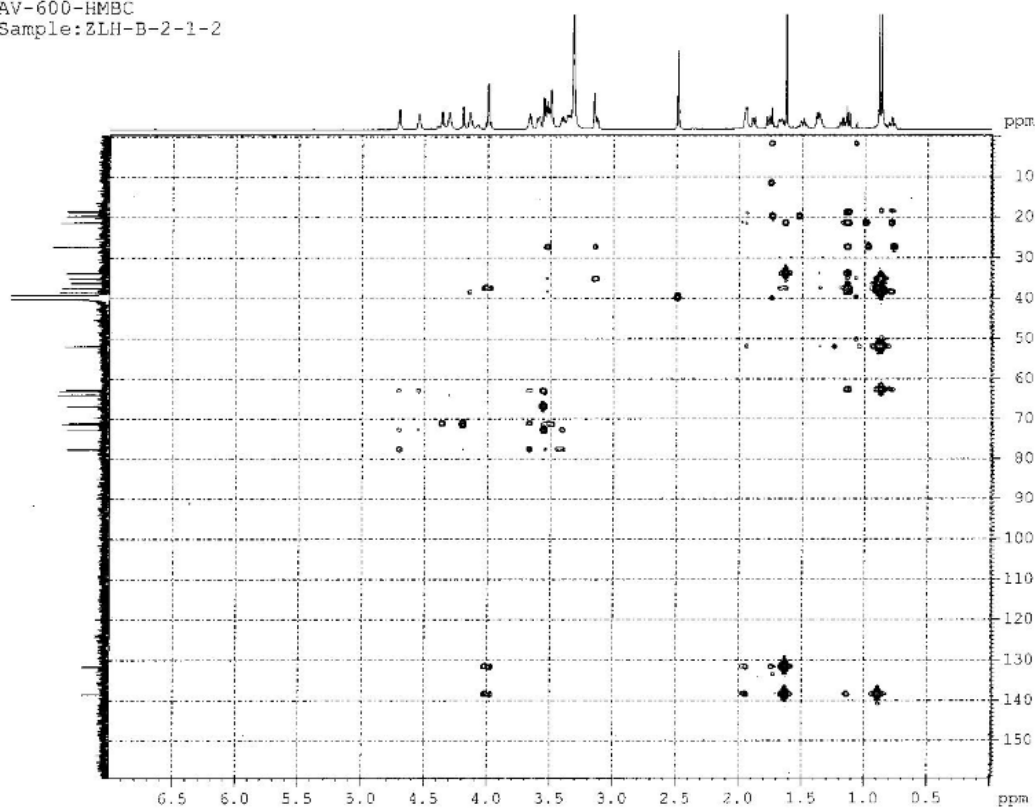


Figure S36. HMBC (600 MHz, DMSO- d_6) spectrum of compound 3

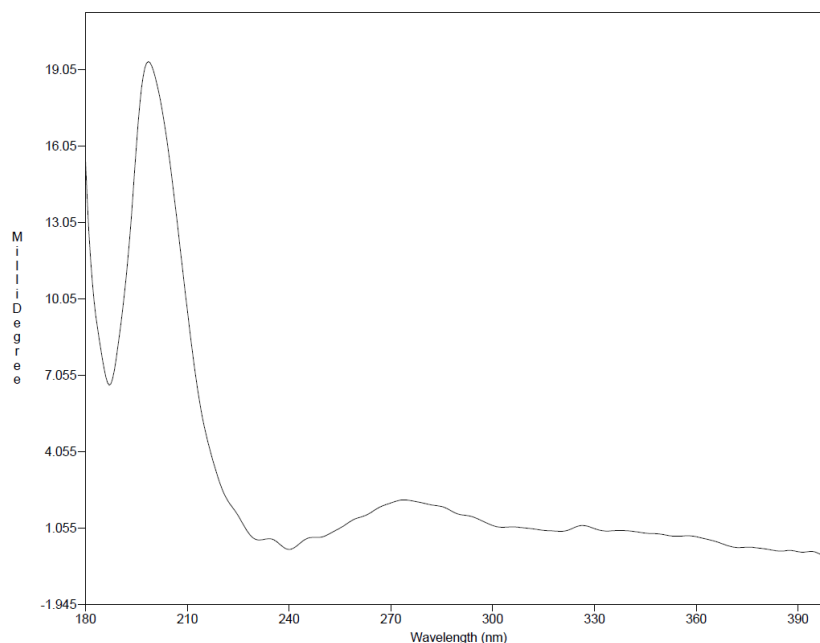
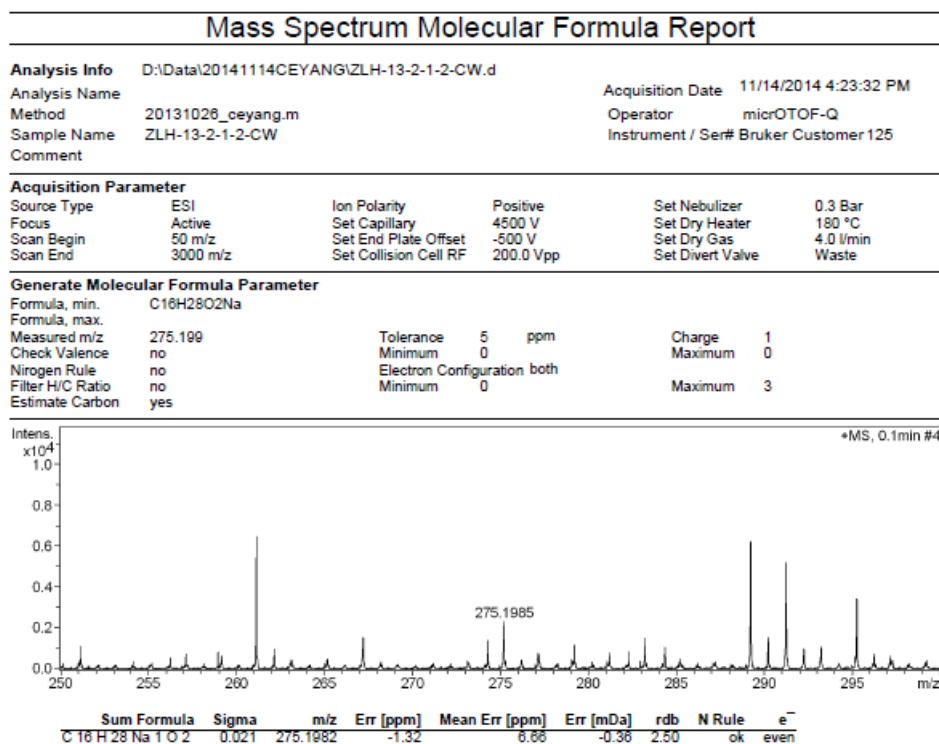


Figure S37. CD spectrum of compound 3 in CH₃CN



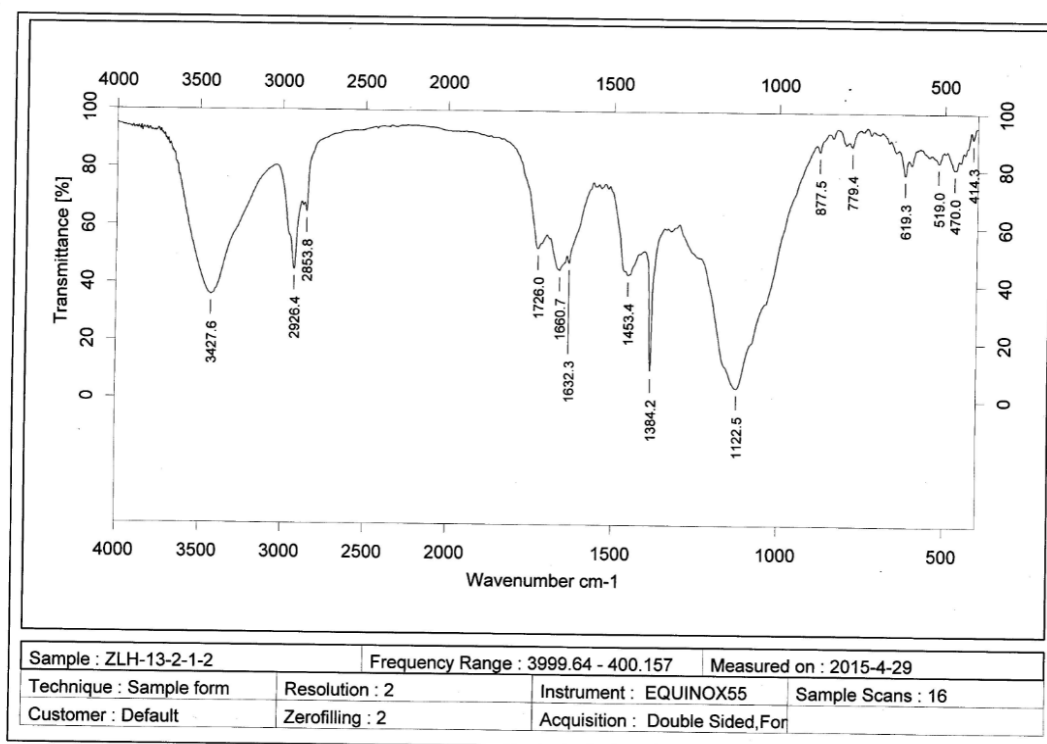


Figure S39. IR spectrum of compound 3a

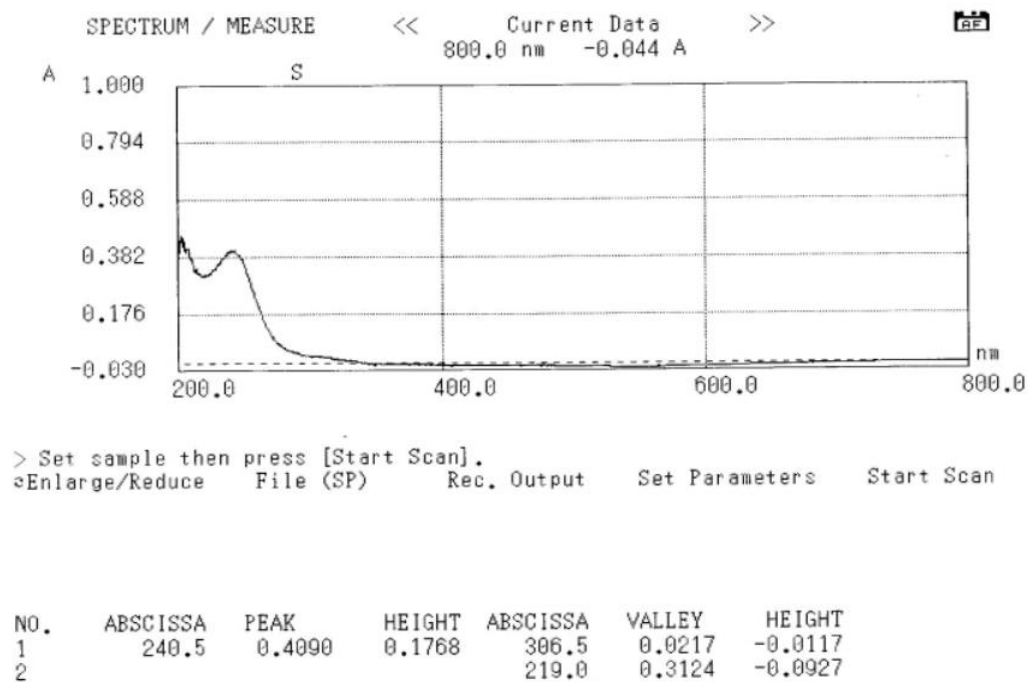


Figure S40. UV spectrum of compound 3a

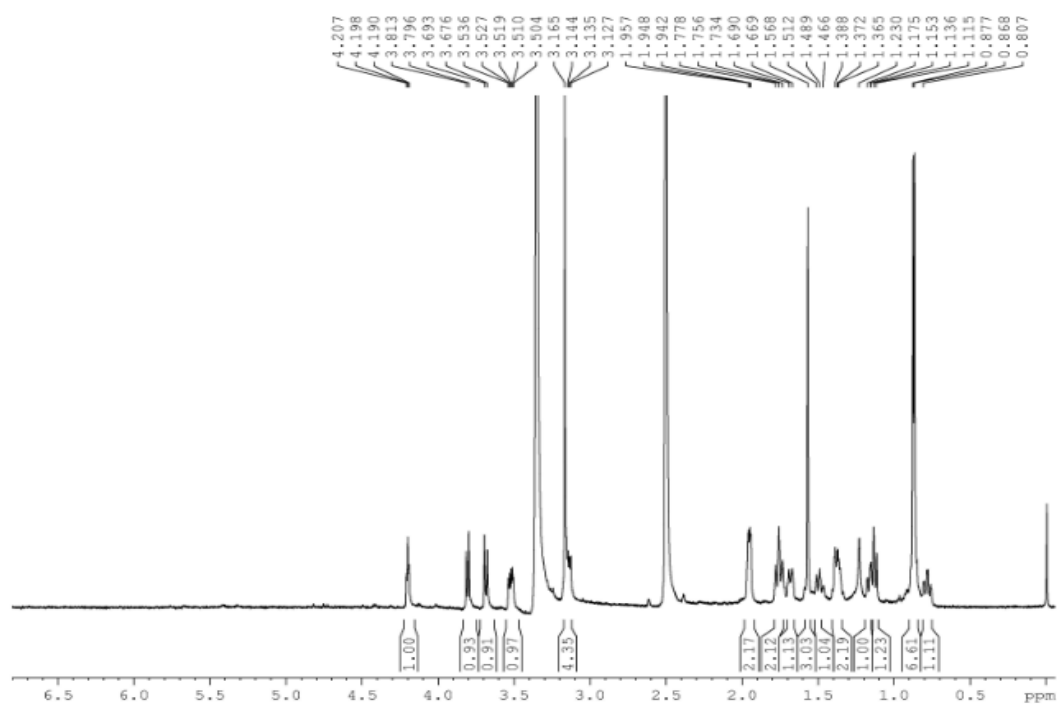


Figure S41. ^1H NMR (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 3a

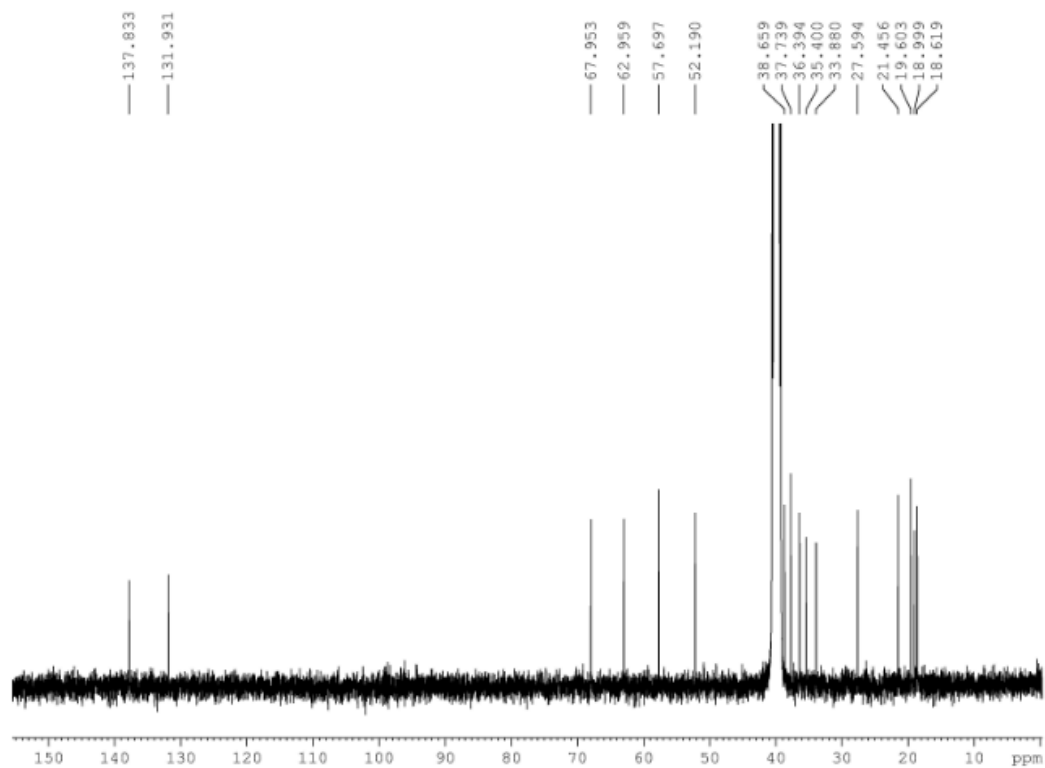


Figure S42. ^{13}C NMR (100 MHz, $\text{DMSO}-d_6$) spectrum of compound 3a

AV-600-HSQC
Sample: ZLH-13-2-1-2-CW

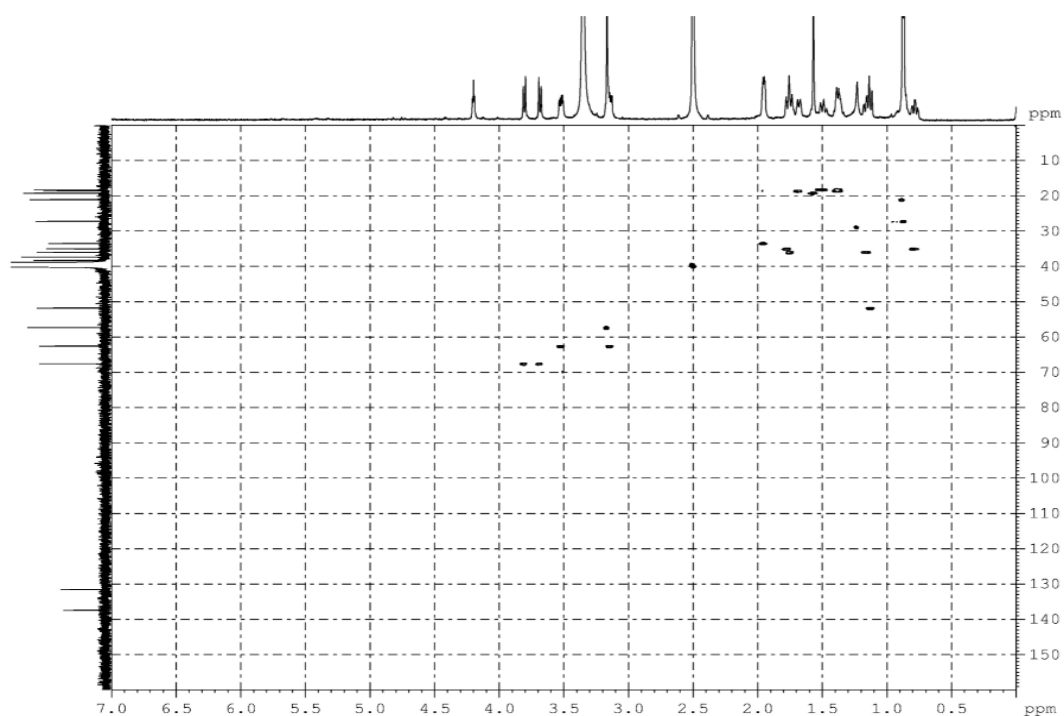


Figure S43. HSQC (600 MHz, DMSO-*d*₆) spectrum of compound 3a

AV-600-HMBC
Sample: ZLH-13-2-1-2-CW

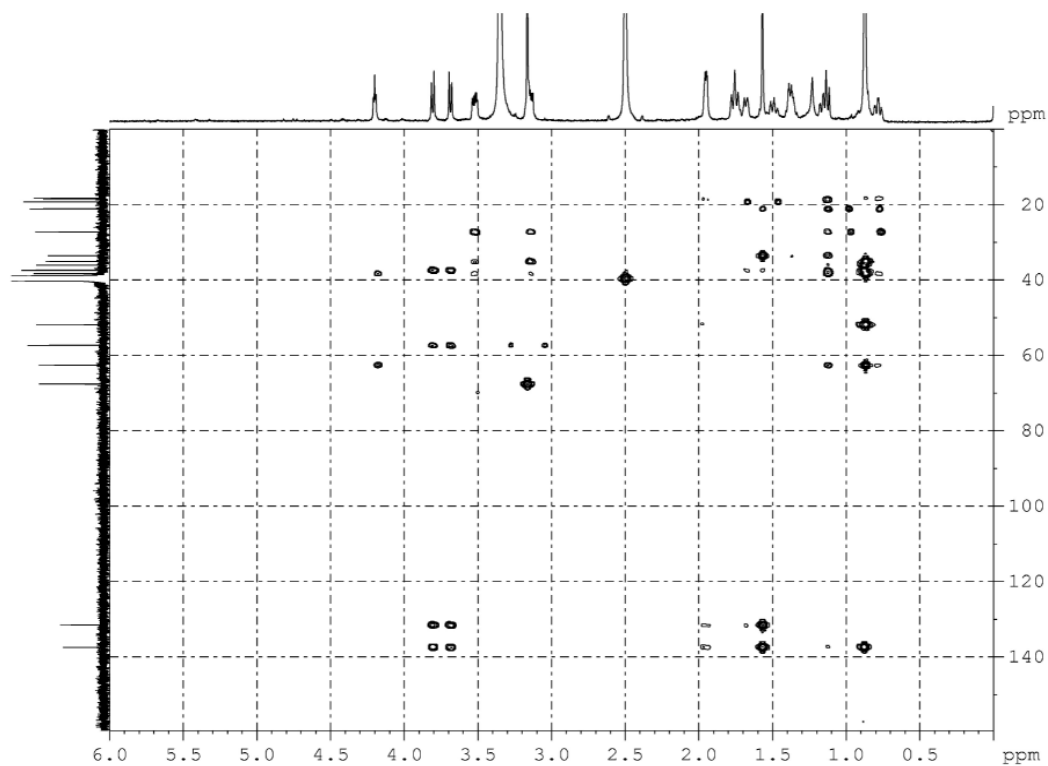


Figure S44. HMBC (600 MHz, DMSO-*d*₆) spectrum of compound 3a

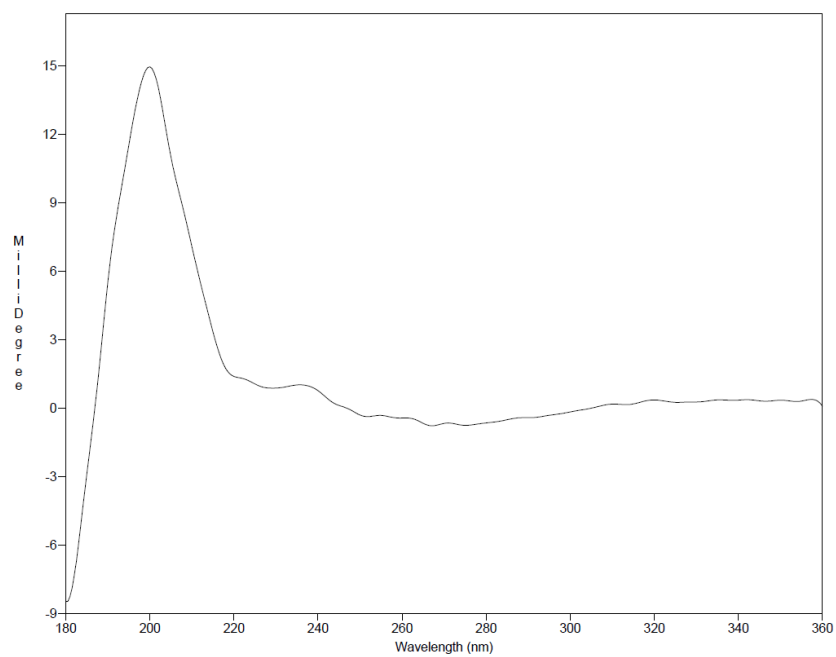


Figure S45. CD spectrum of compound 3a in CH₃CN

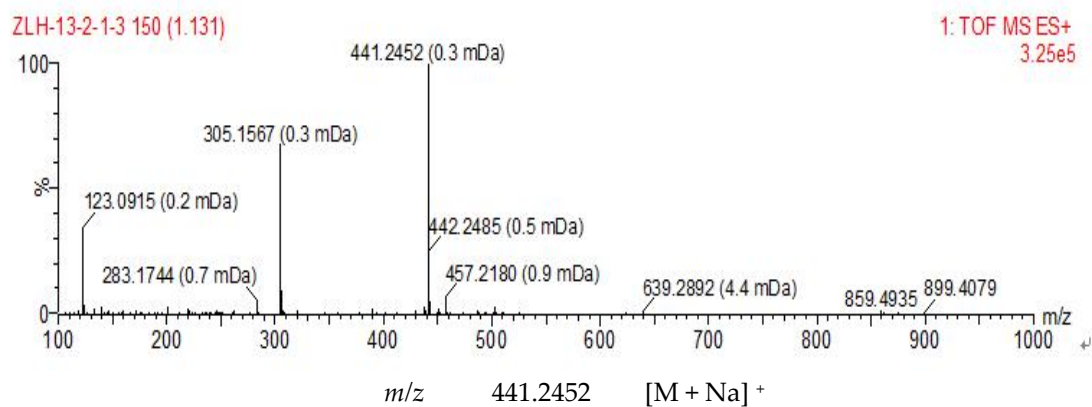


Figure S46. HR ESI-TOF MS spectrum of compound 4

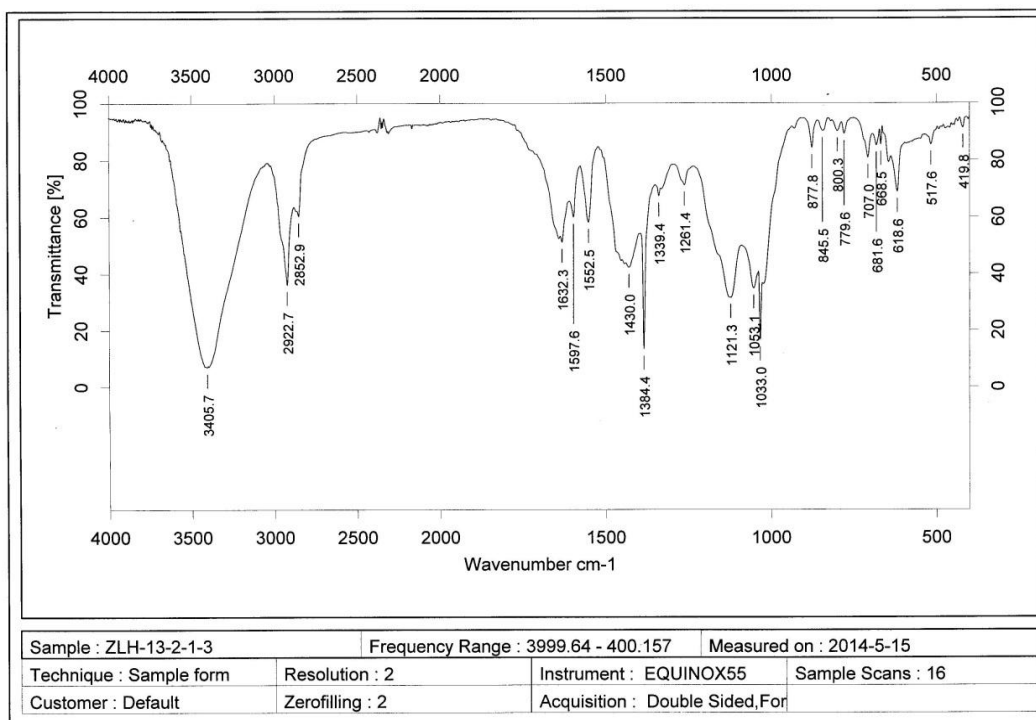


Figure S47. IR spectrum of compound 4

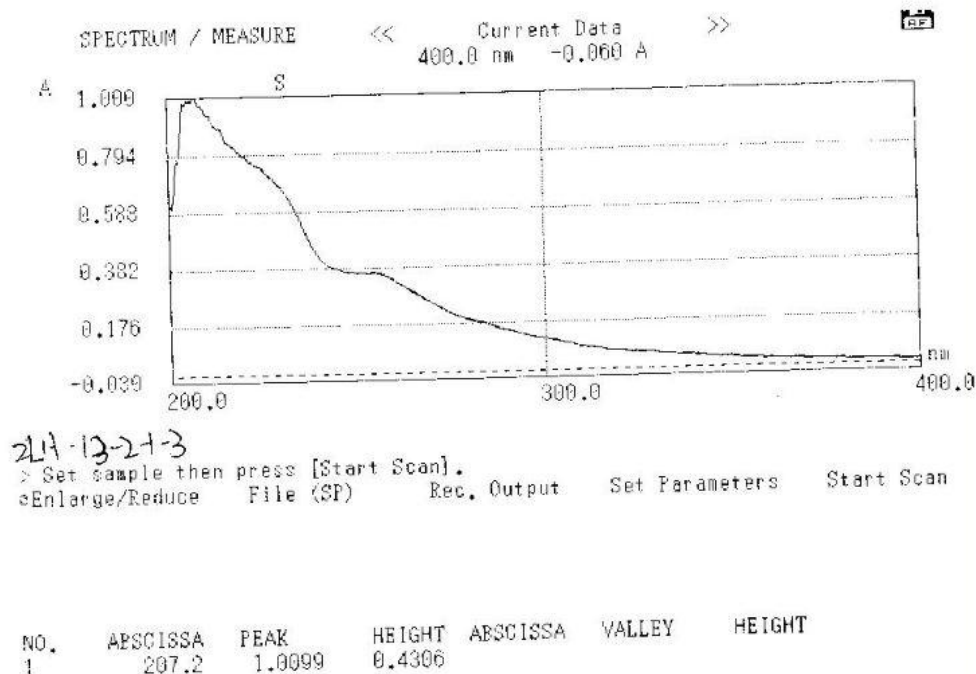


Figure S48. UV spectrum of compound 4

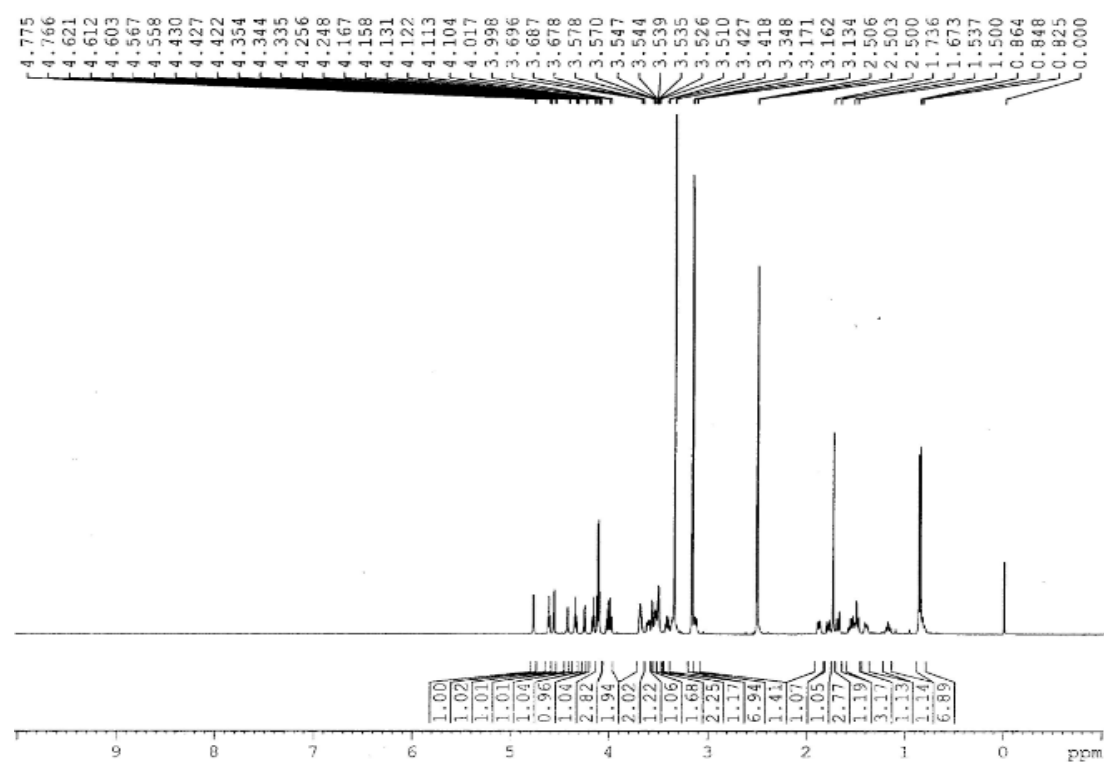


Figure S49. ^1H NMR (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 4

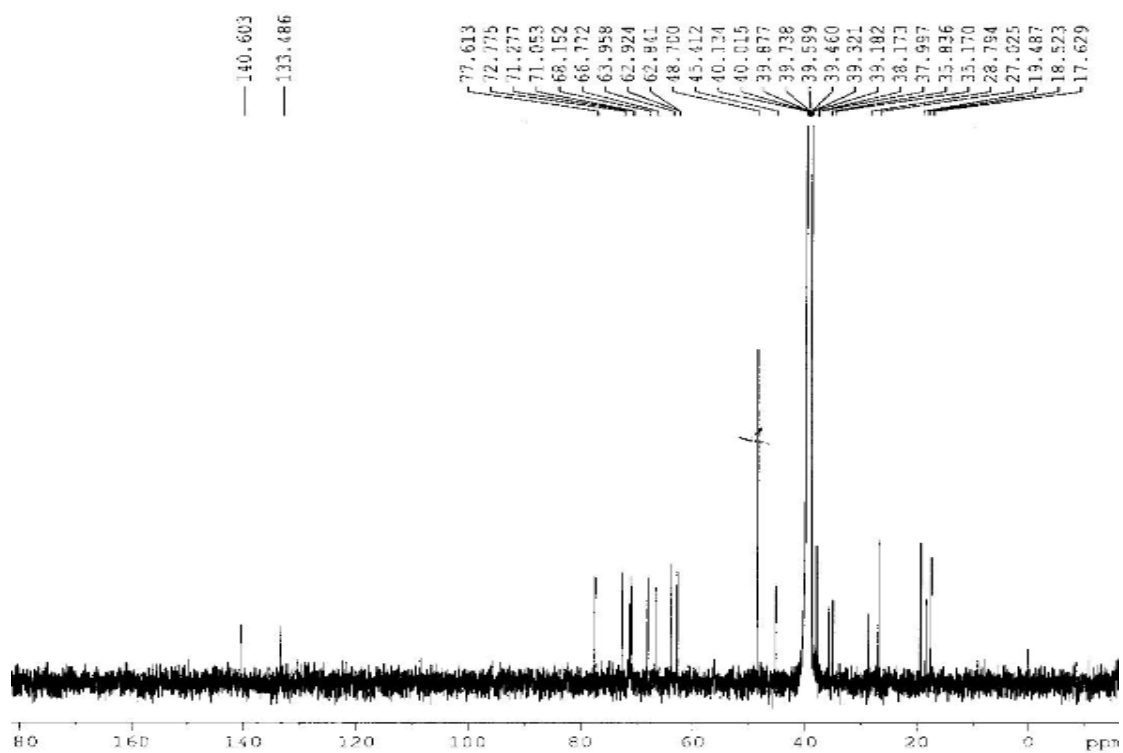


Figure S50. ^{13}C NMR (100 MHz, $\text{DMSO}-d_6$) spectrum of compound 4

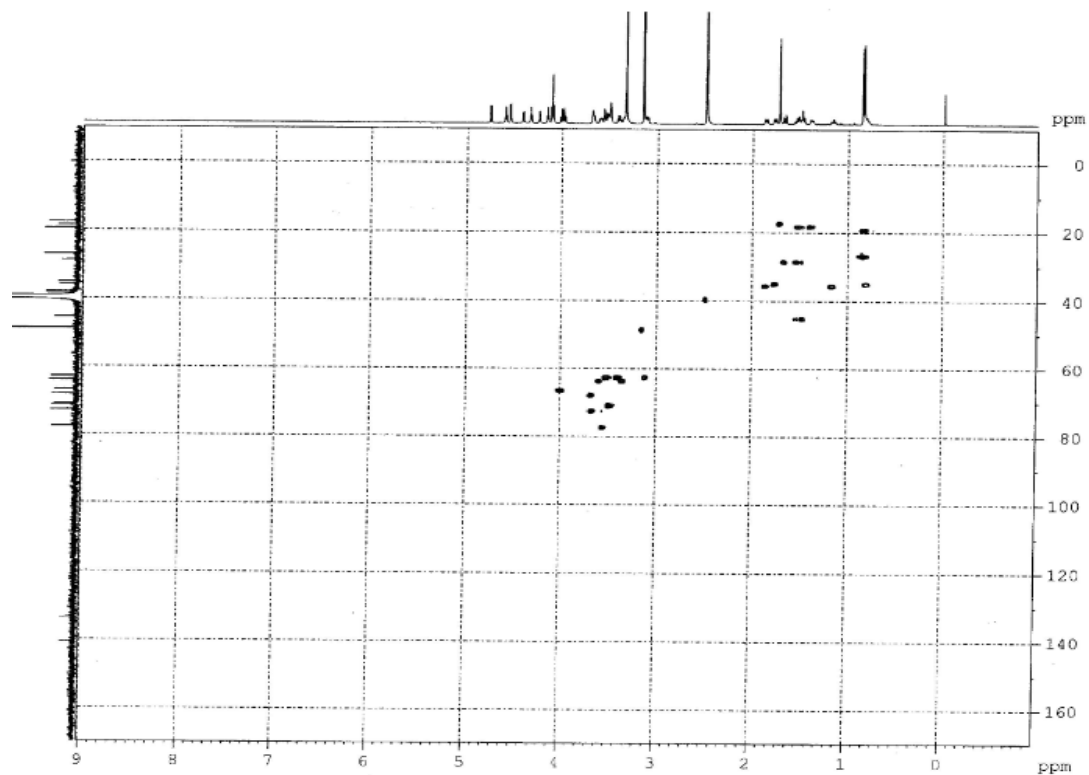


Figure S51. HSQC (600 MHz, DMSO-*d*₆) spectrum of compound 4

AV-600-HMBC
Sample: ZLH-13-2-1-3

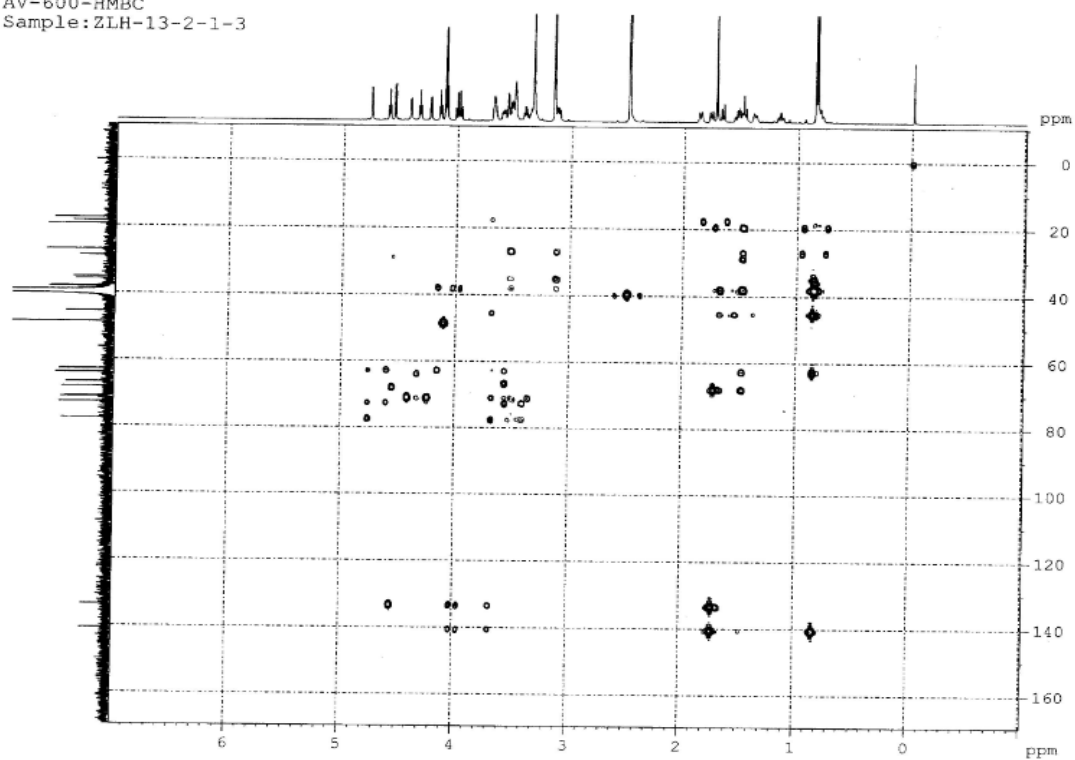


Figure S52. HMBC (600 MHz, DMSO-*d*₆) spectrum of compound 4

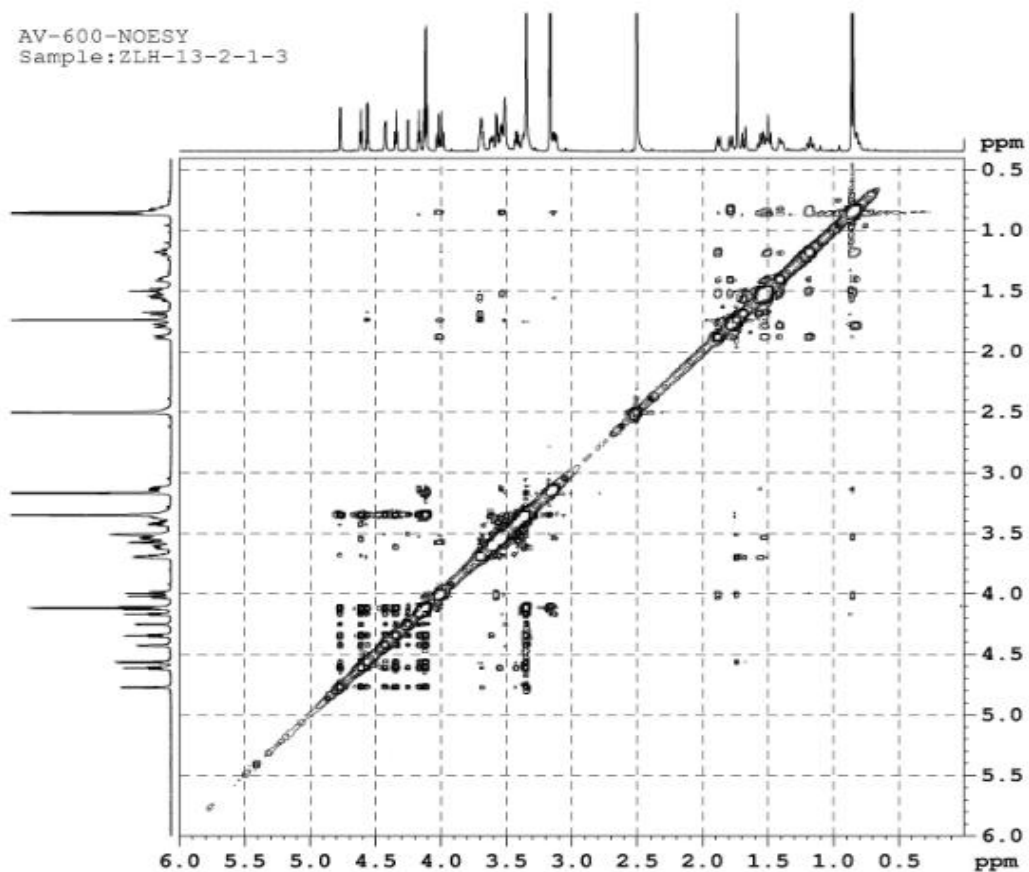


Figure S53. NOESY spectrum (600 MHz, DMSO- d_6) of compound 4

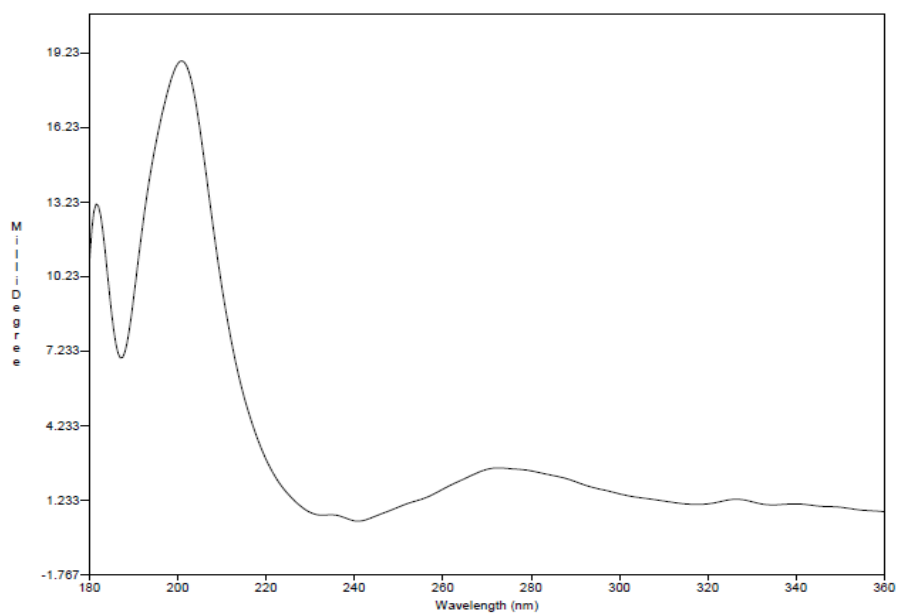


Figure S54. CD spectrum of compound 4 in CH_3CN

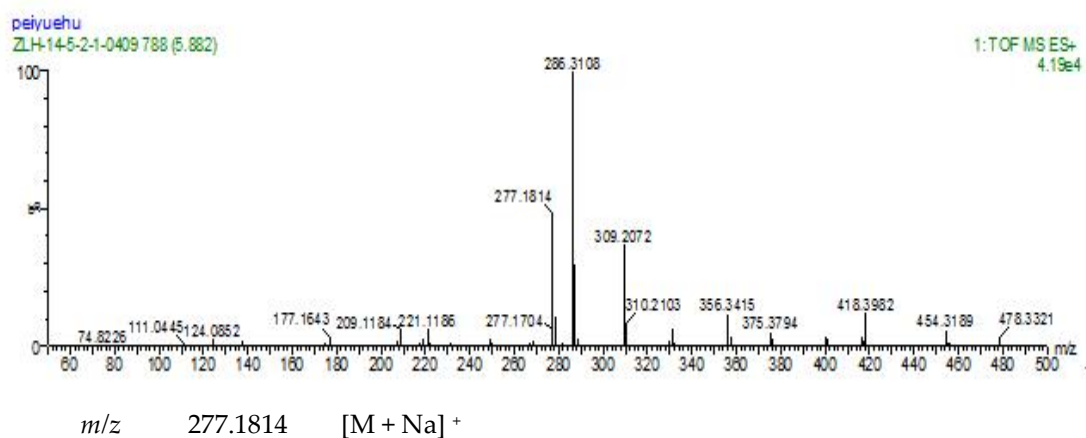


Figure S55. HR ESI-TOF MS spectrum of compound 5

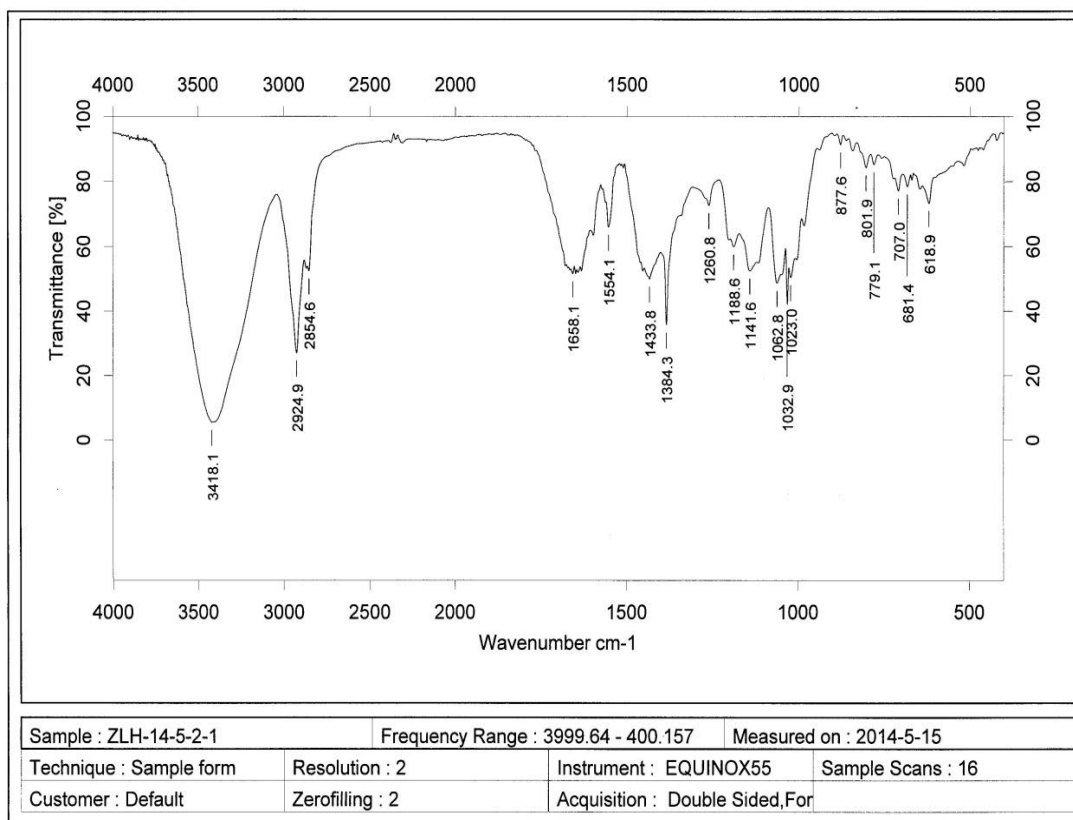
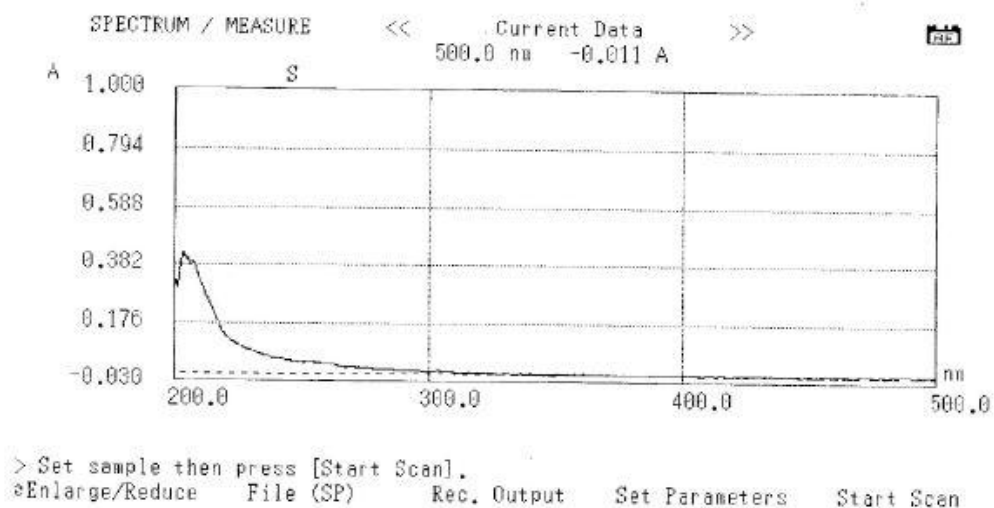


Figure S56. IR spectrum of compound 5



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NO.	ABSCISSA	PEAK	HEIGHT	ABSCISSA	VALLEY	HEIGHT
1	203.2	0.4280	0.1380	201.0	0.3024	-0.0561

Figure S57. UV spectrum of compound 5

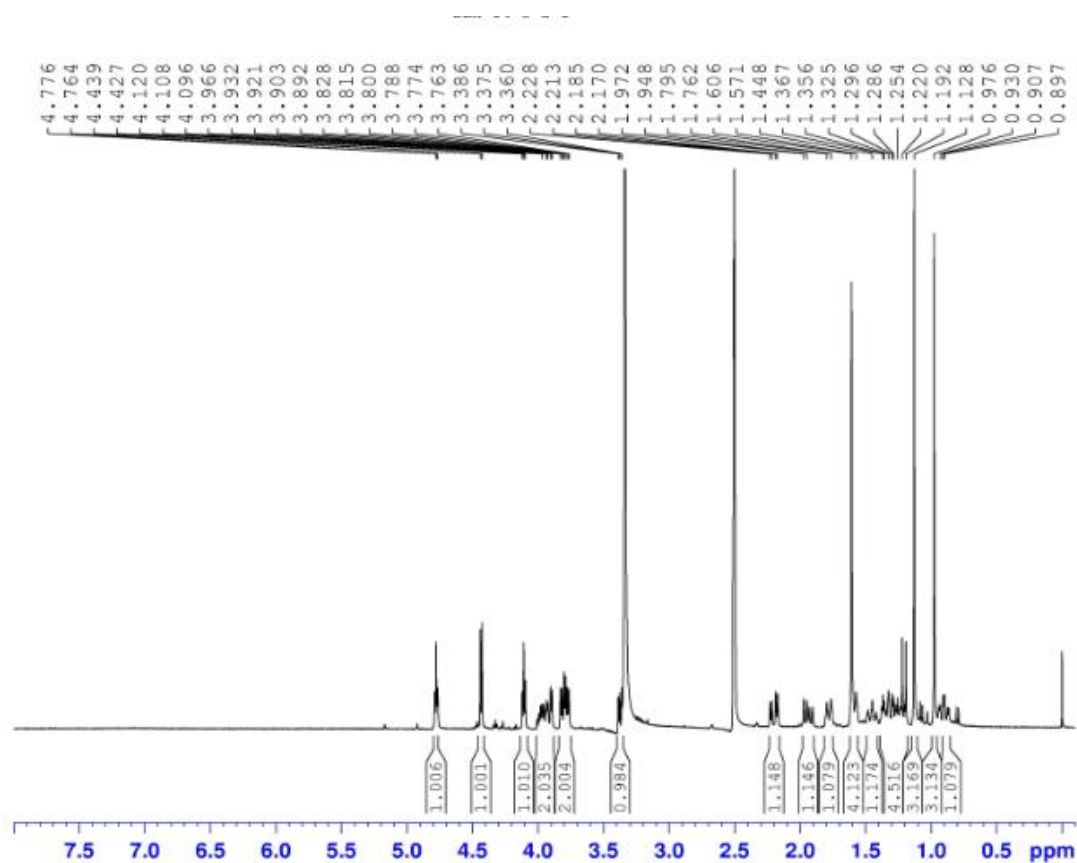


Figure S58. ^1H NMR (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 5

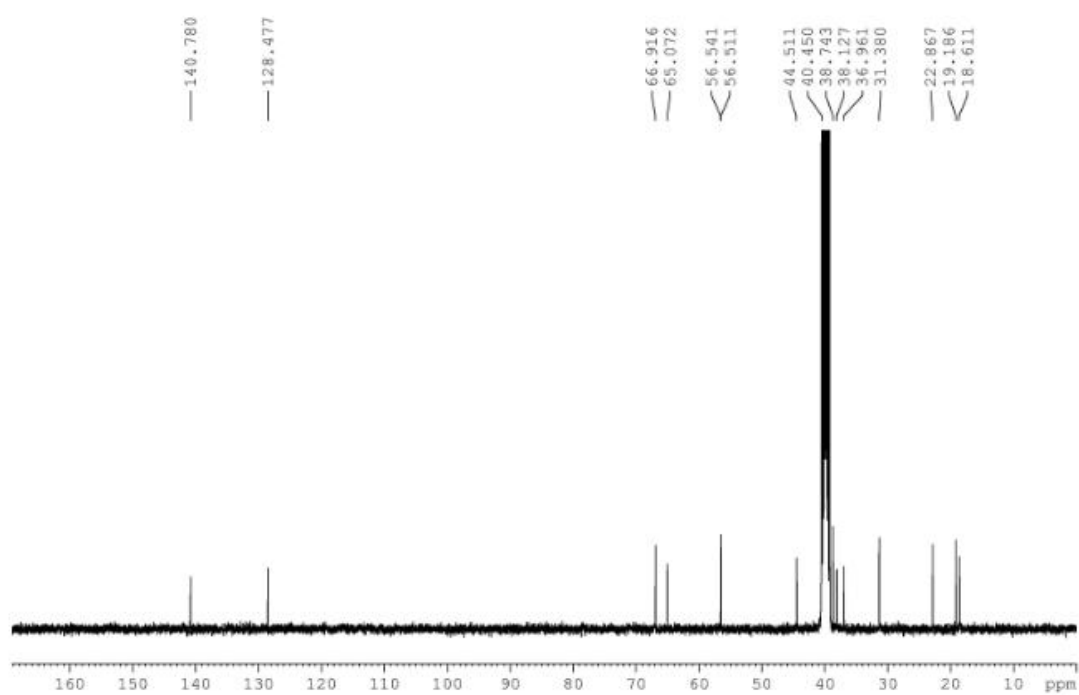


Figure S59. ^{13}C NMR (100 MHz, $\text{DMSO}-d_6$) spectrum of compound 5

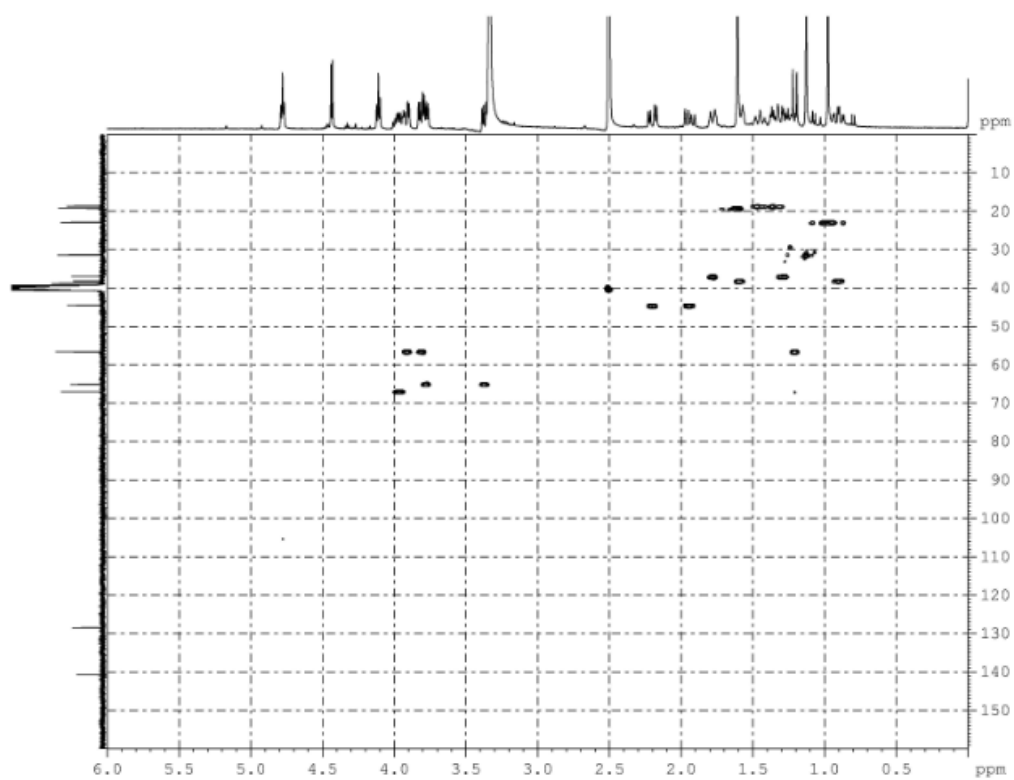


Figure S60. HSQC (600 MHz, $\text{DMSO}-d_6$) spectrum of compound 5

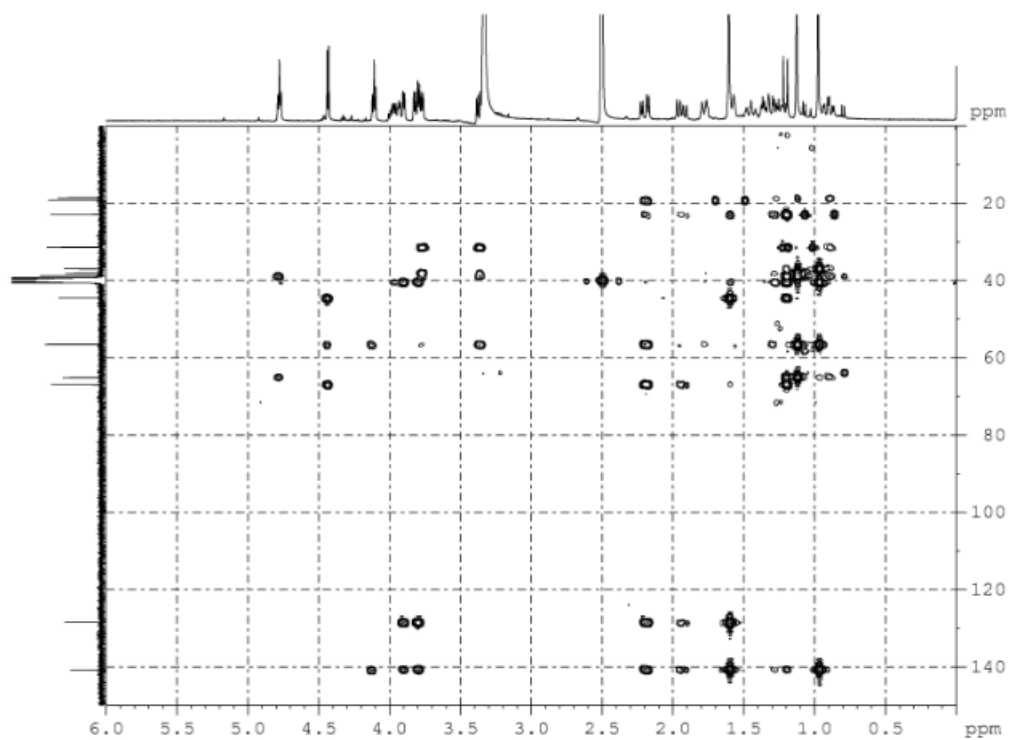


Figure S61. HMBC (600 MHz, DMSO- d_6) spectrum of compound 5

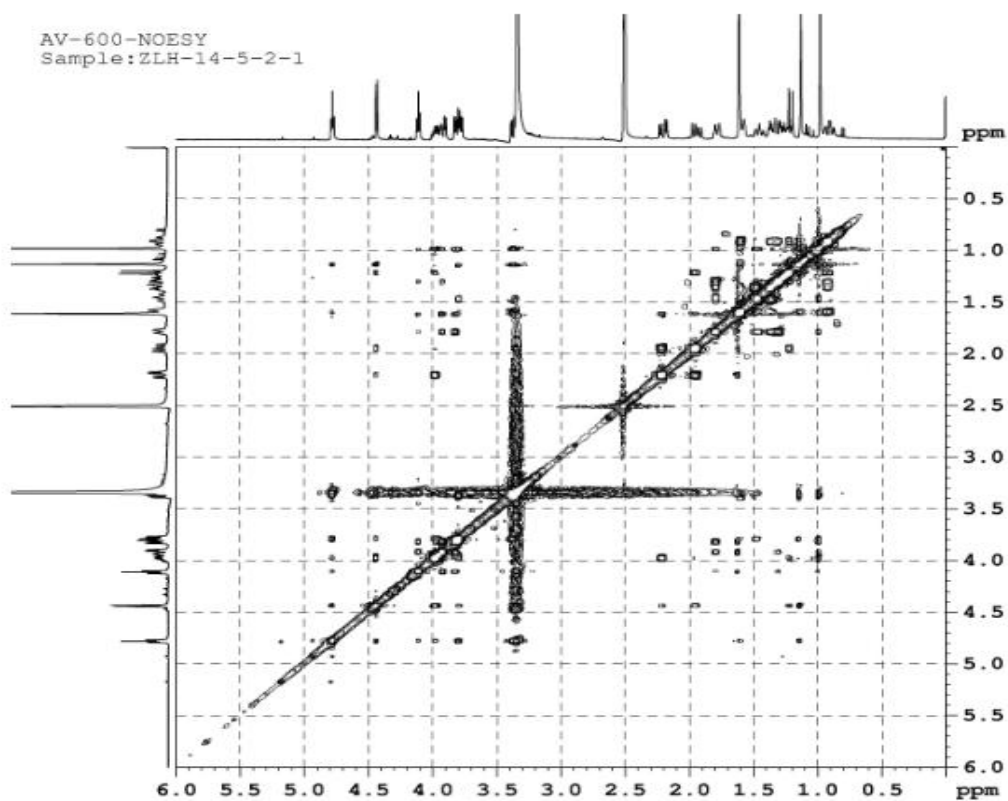


Figure S62. NOESY spectrum (600 MHz, DMSO- d_6) of compound 5

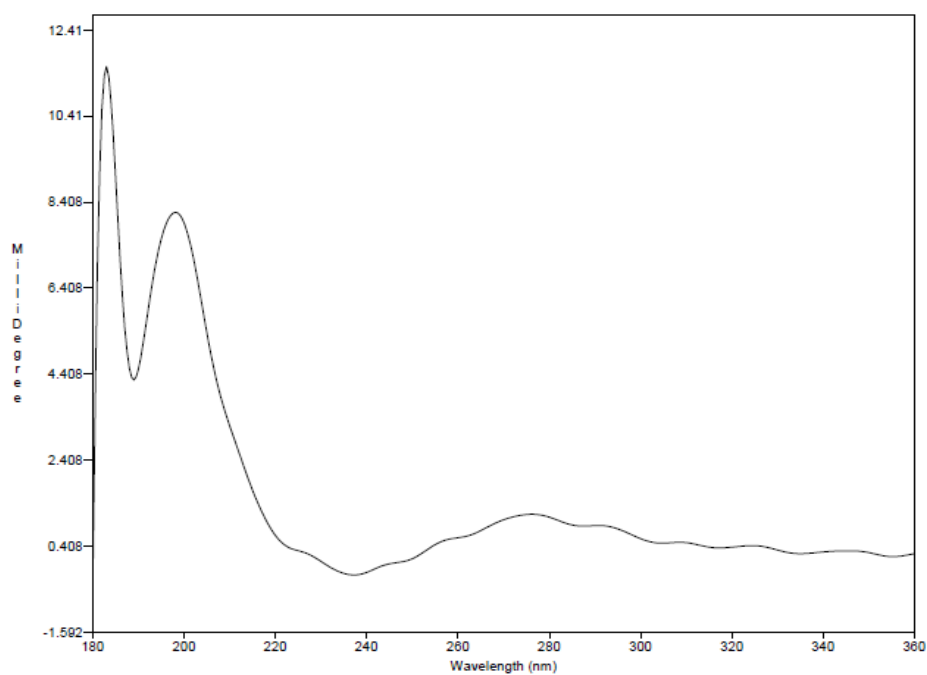


Figure S63. CD spectrum of compound 5 in CH₃CN

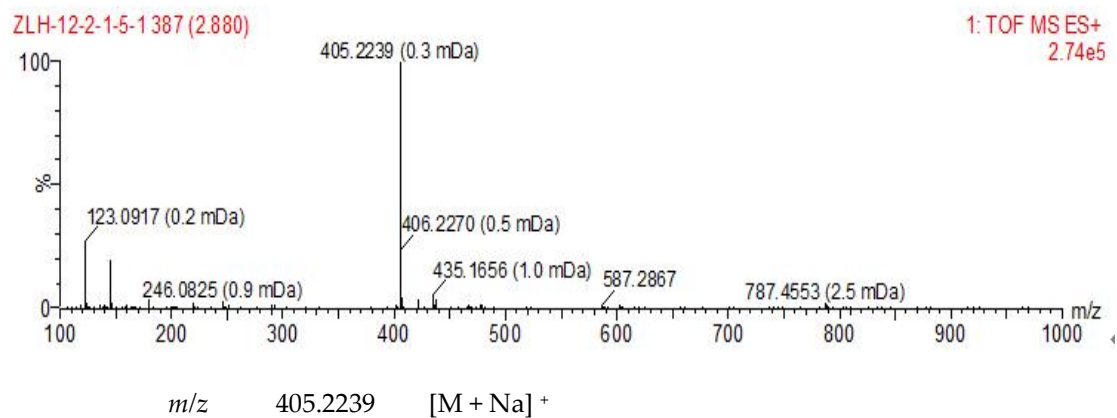


Figure S64. HR ESI-TOF MS spectrum of compound 6

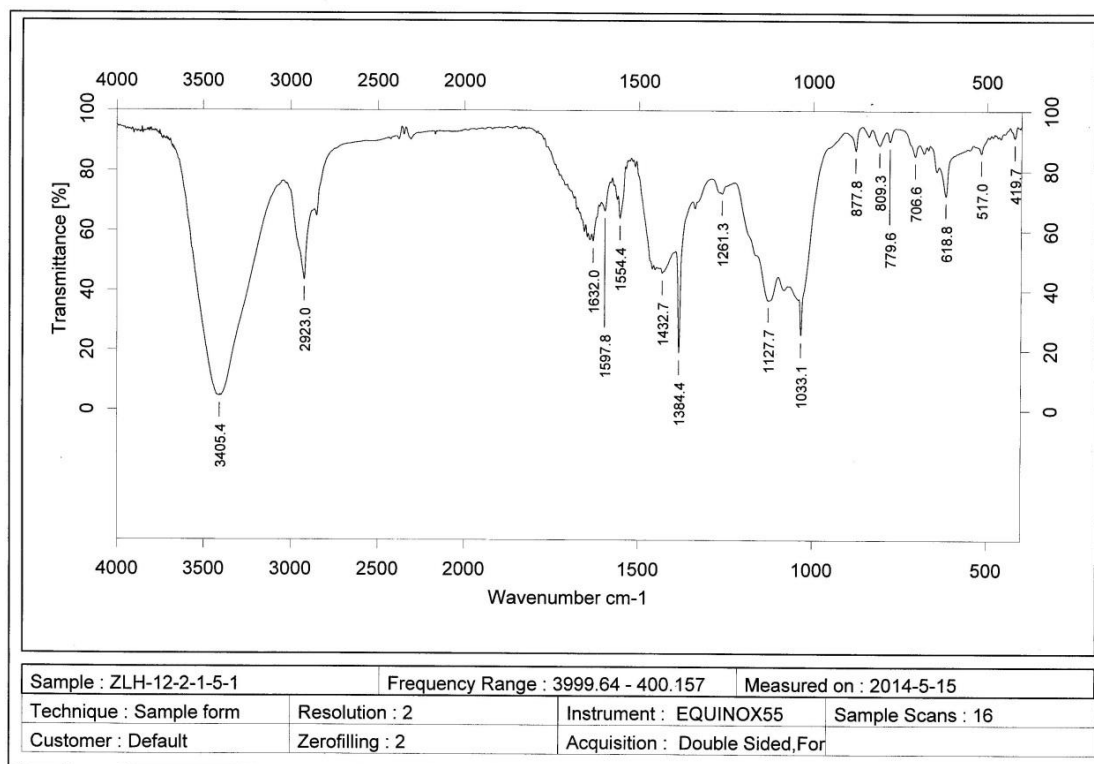


Figure S65. IR spectrum of compound 6

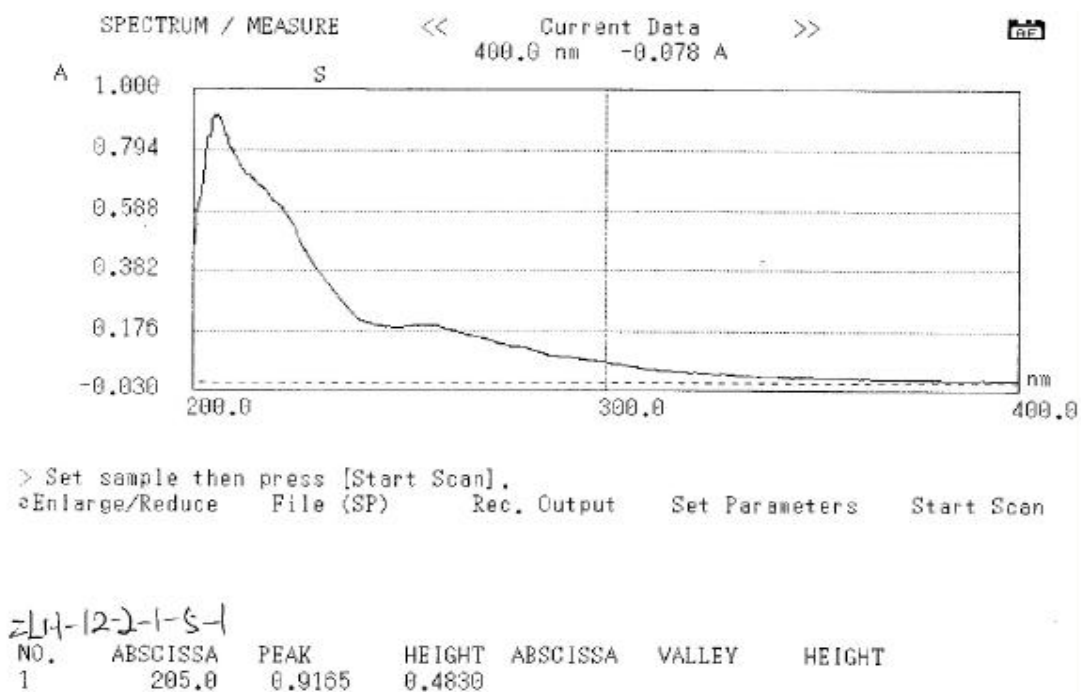
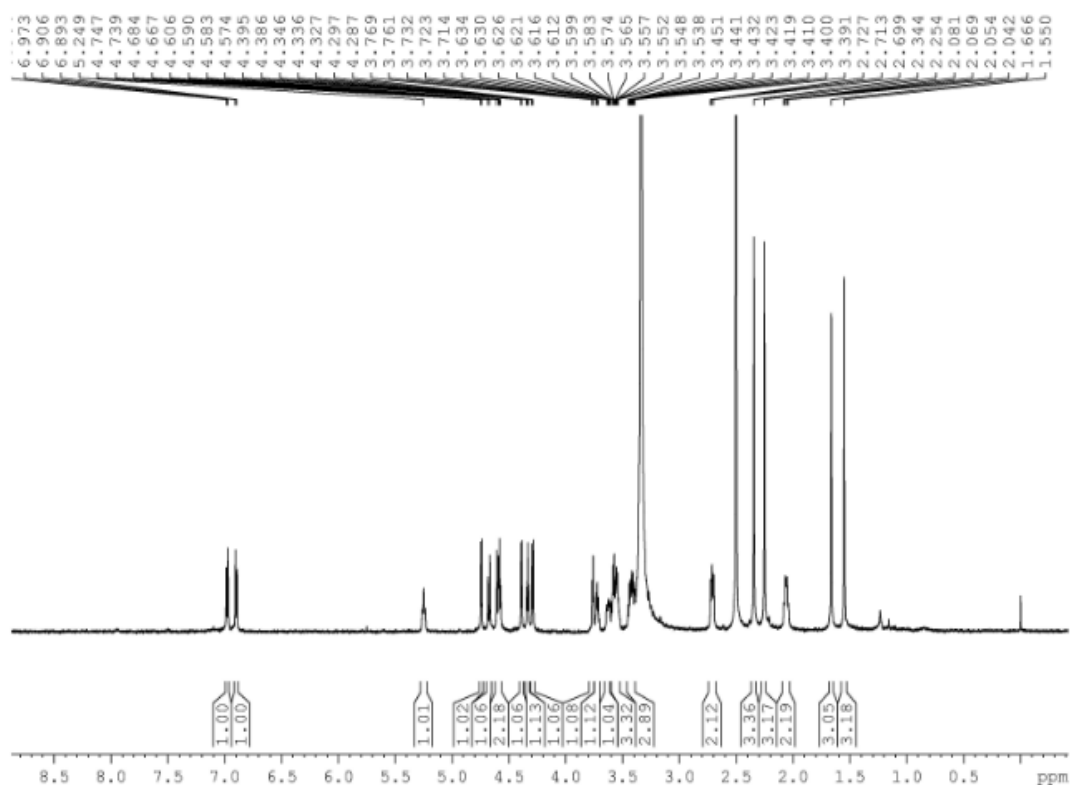


Figure S66. UV spectrum of compound 6



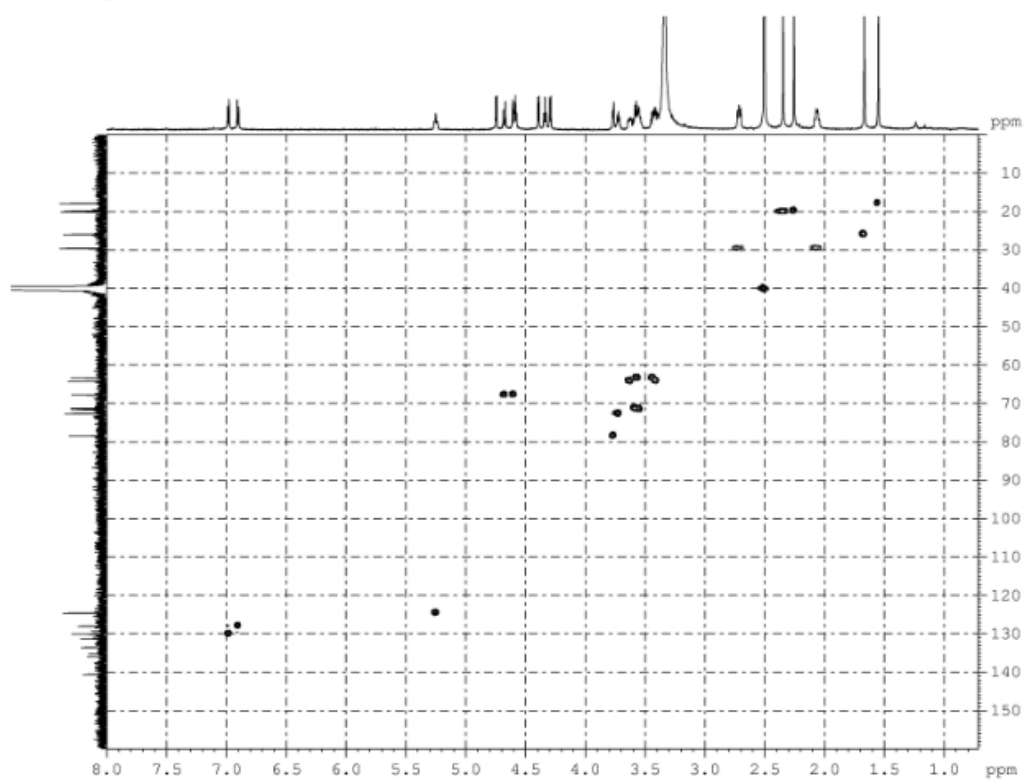


Figure S69. HSQC (600 MHz, DMSO-*d*₆) spectrum of compound 6

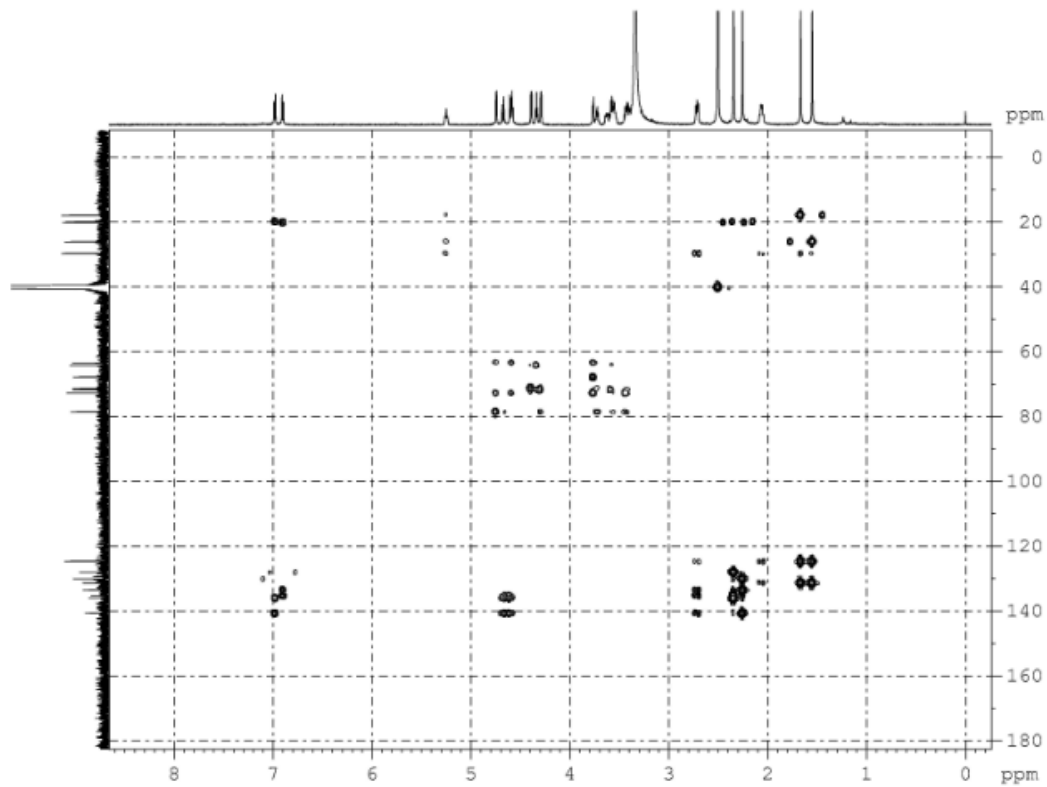


Figure S70. HMBC (600 MHz, DMSO-*d*₆) spectrum of compound 6

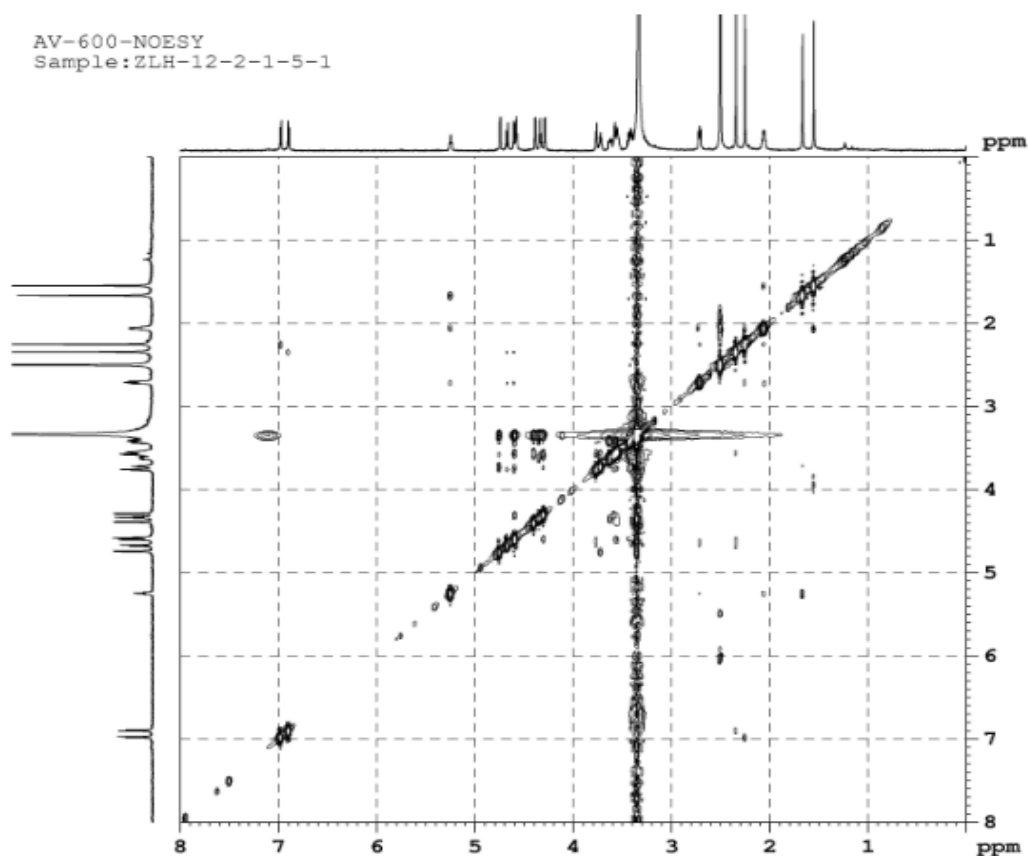


Figure S71. NOESY spectrum (600 MHz, DMSO- d_6) of compound 6

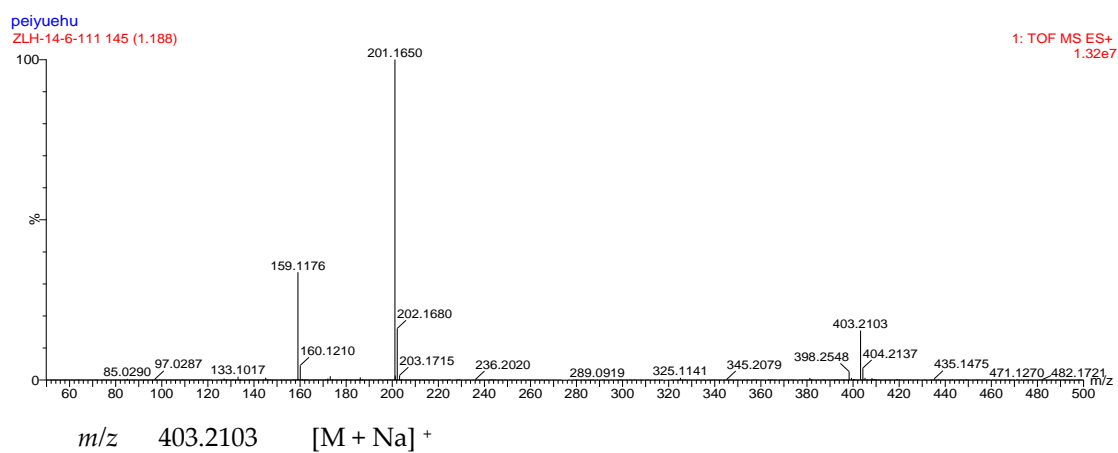


Figure S72. HR ESI-TOF MS spectrum of compound 7

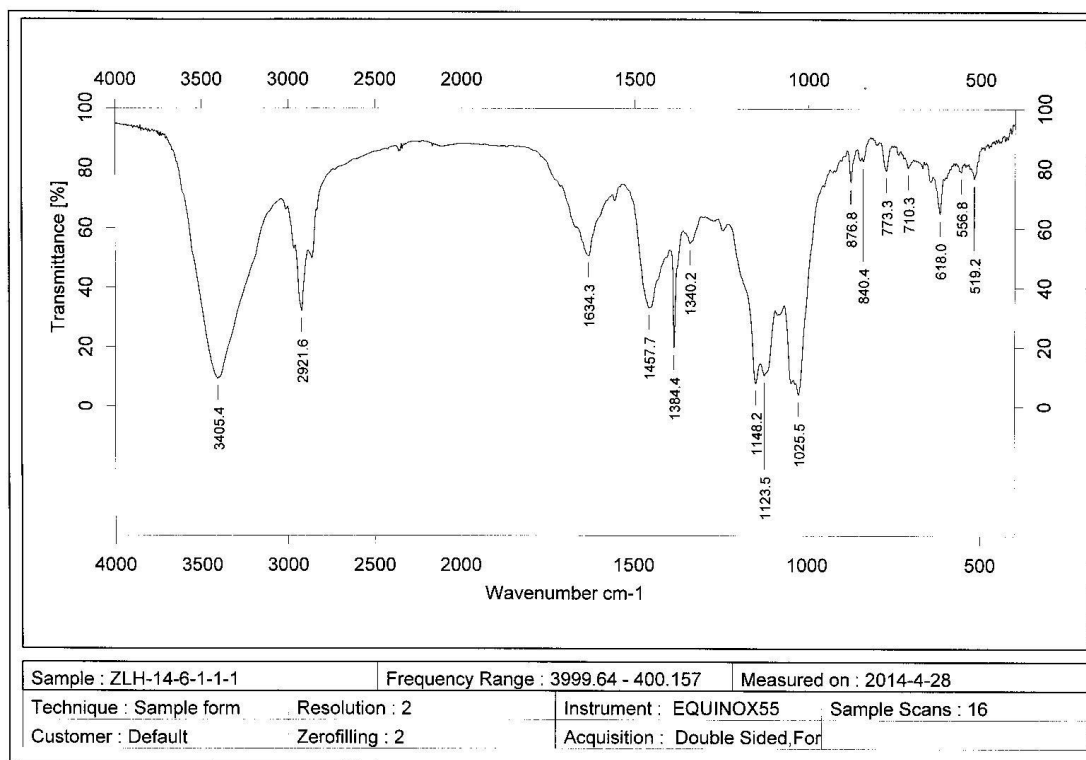


Figure S73. IR spectrum of compound 7

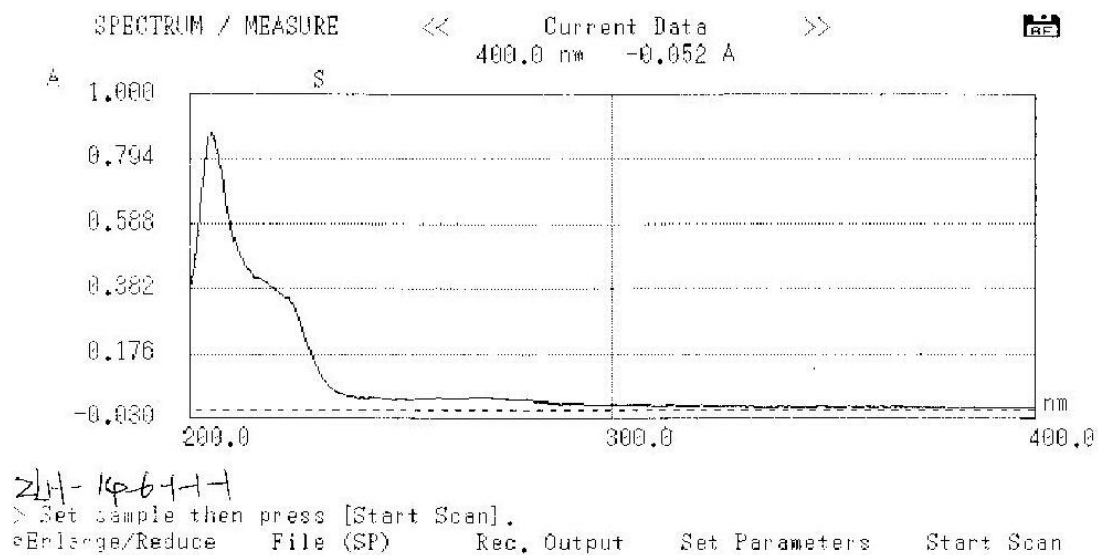


Figure S74. UV spectrum of compound 7

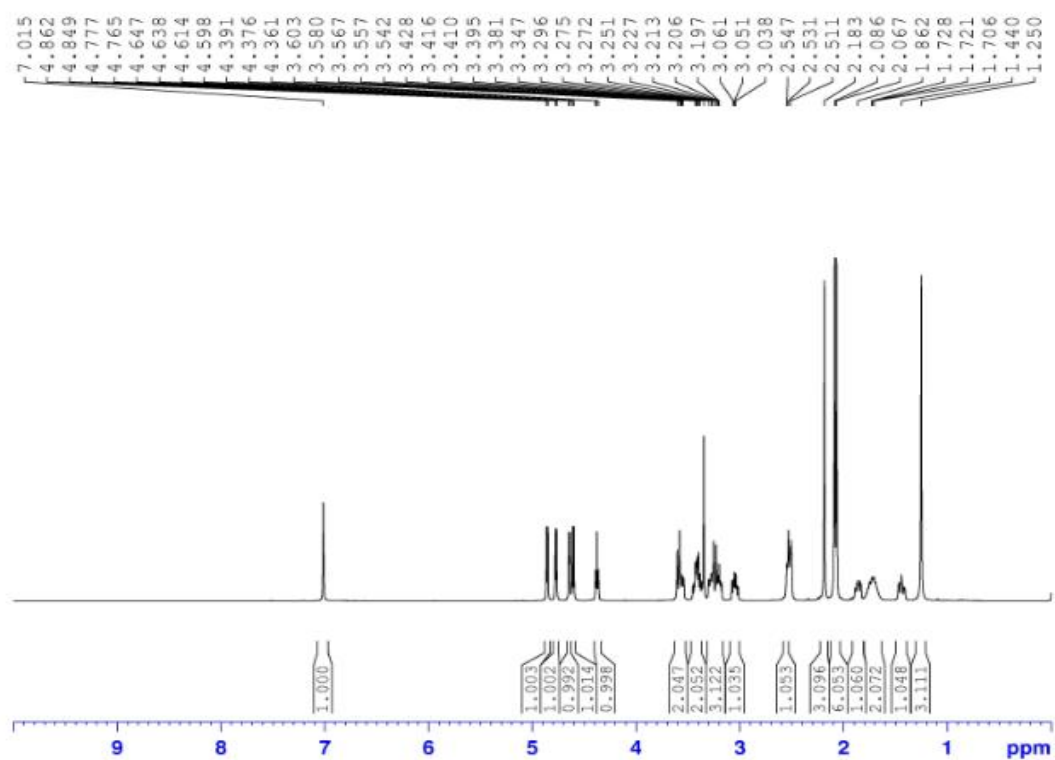


Figure S75. ¹H NMR (600 MHz, DMSO-*d*₆) spectrum of compound 7

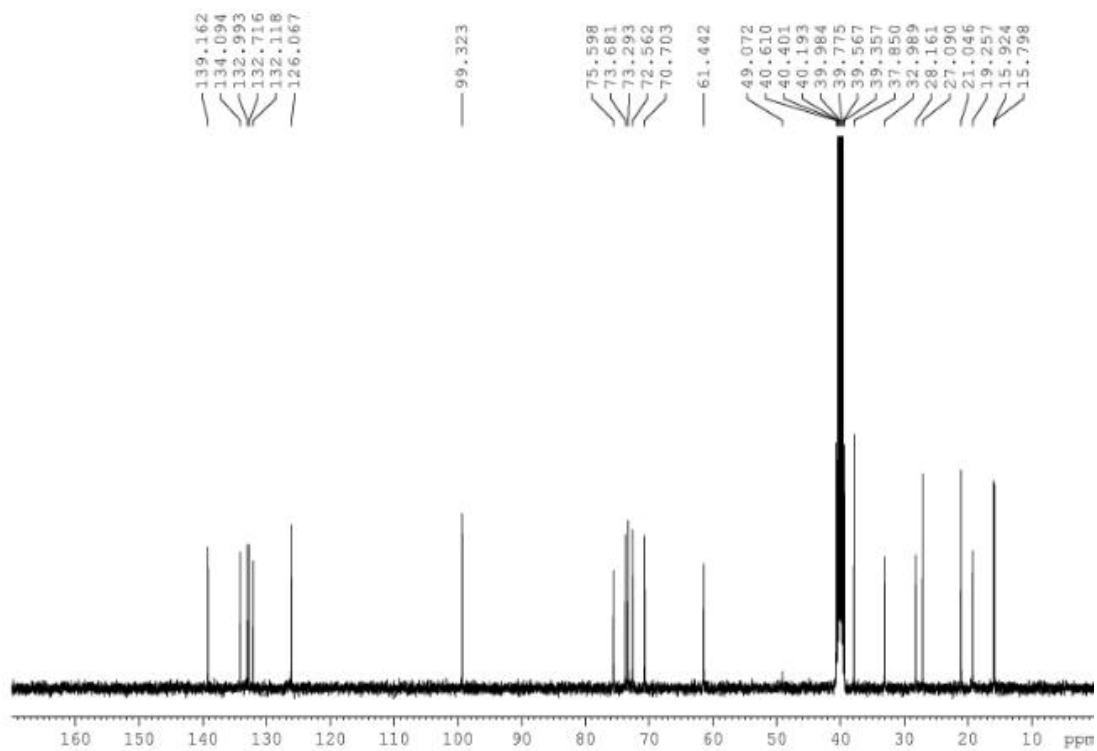


Figure S76. ¹³C NMR (100 MHz, DMSO-*d*₆) spectrum of compound 7

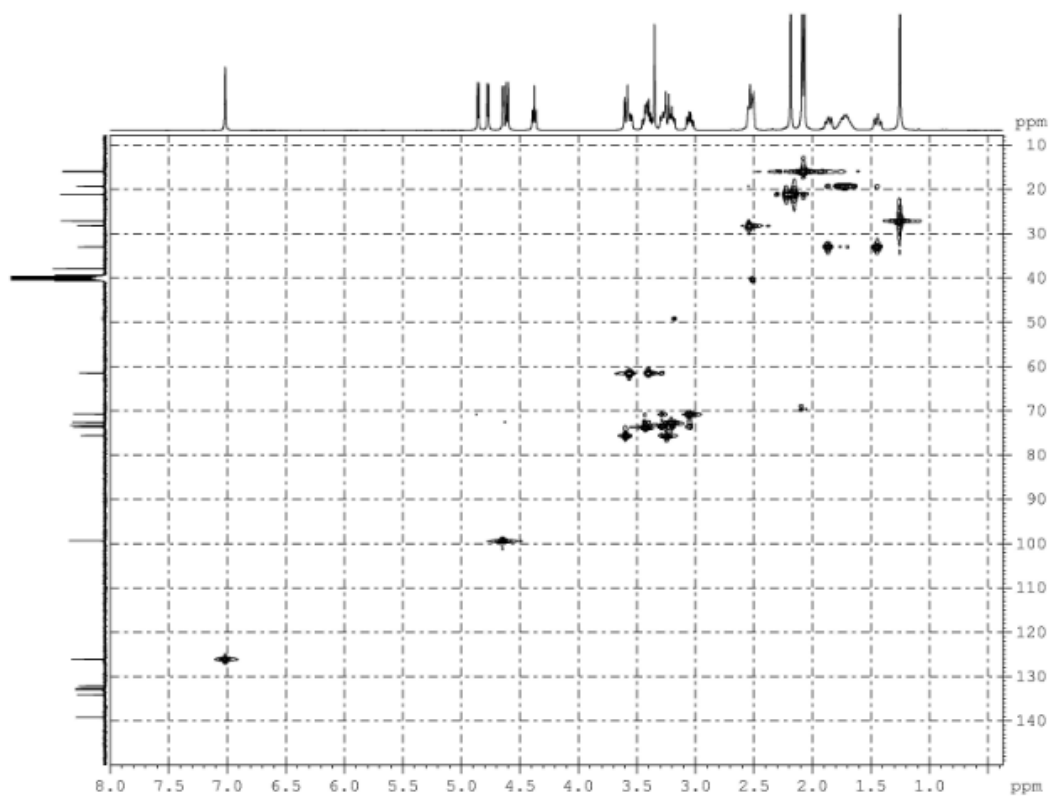


Figure S77. HSQC (600 MHz, DMSO-*d*₆) spectrum of compound 7

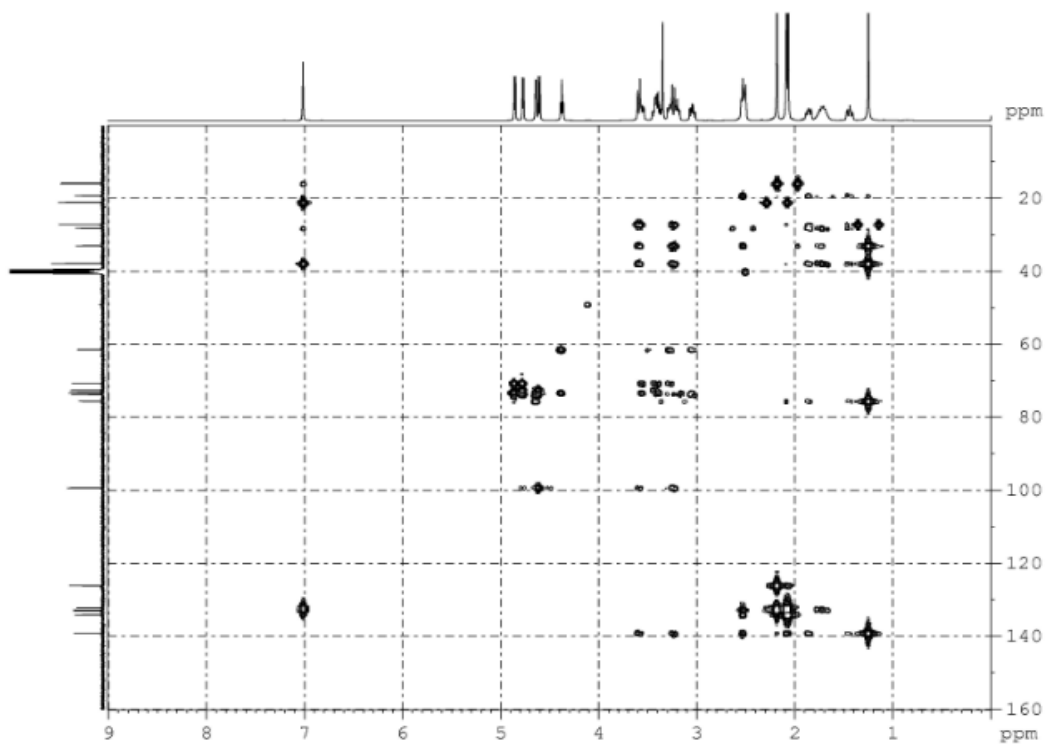


Figure S78. HMBC (600 MHz, DMSO-*d*₆) spectrum of compound 7

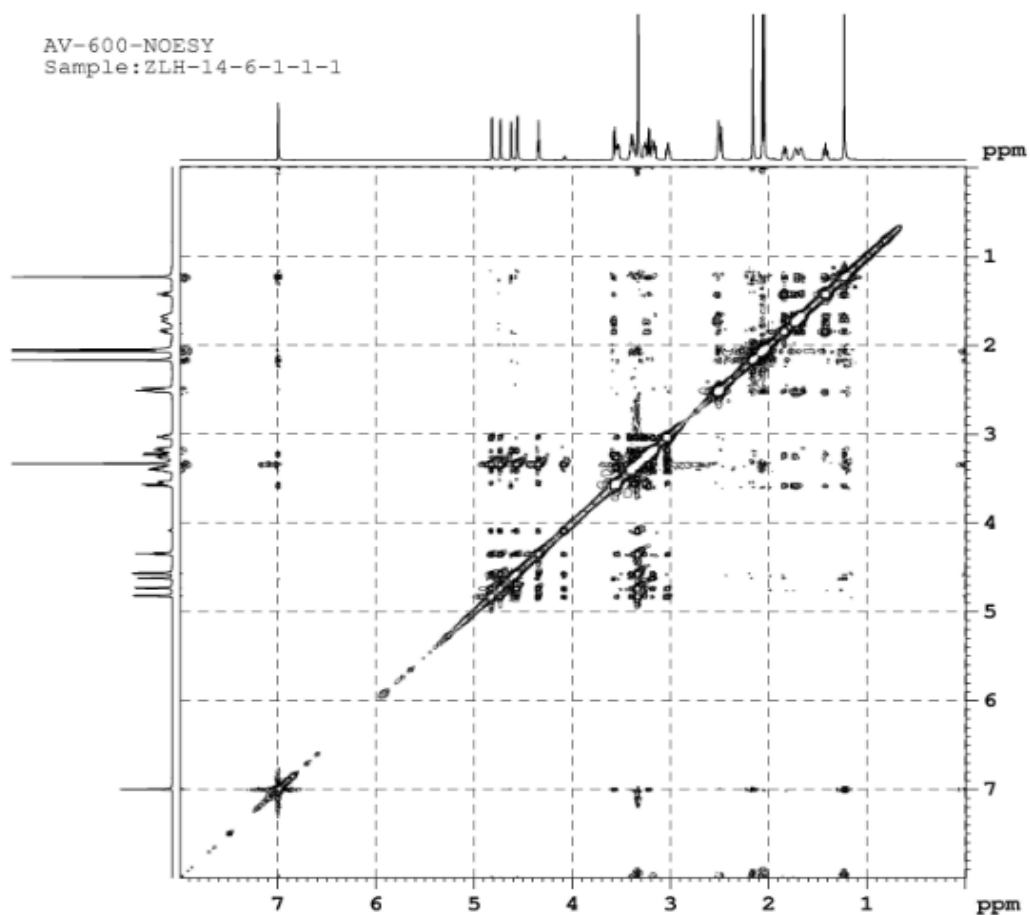


Figure S79. NOESY spectrum (600 MHz, DMSO- d_6) of compound 7

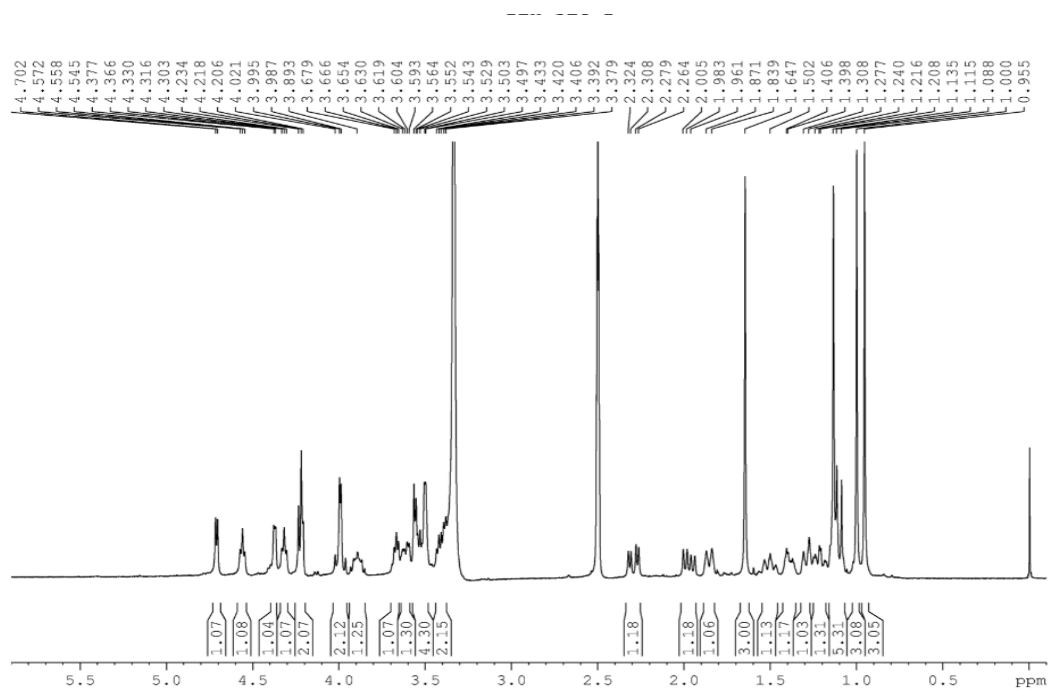


Figure S80. ^1H NMR (400 MHz, DMSO- d_6) spectrum of 2 isolated from the modified medium No.2

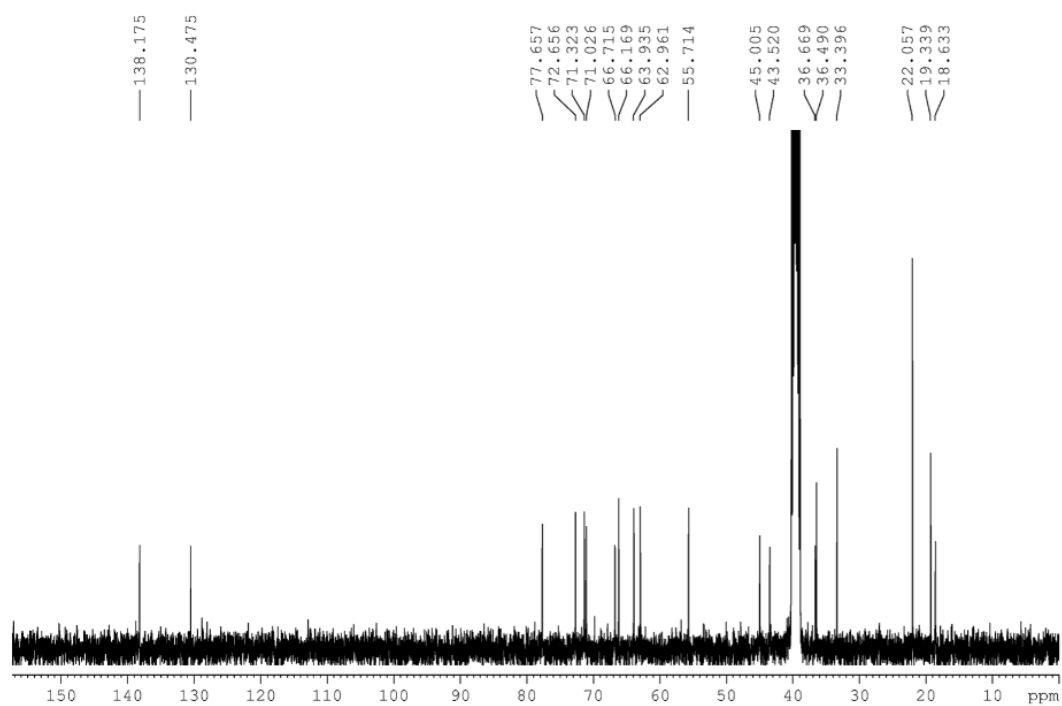


Figure S81. ^{13}C NMR (100 MHz, $\text{DMSO-}d_6$) spectrum of **2** isolated from the modified medium No.2