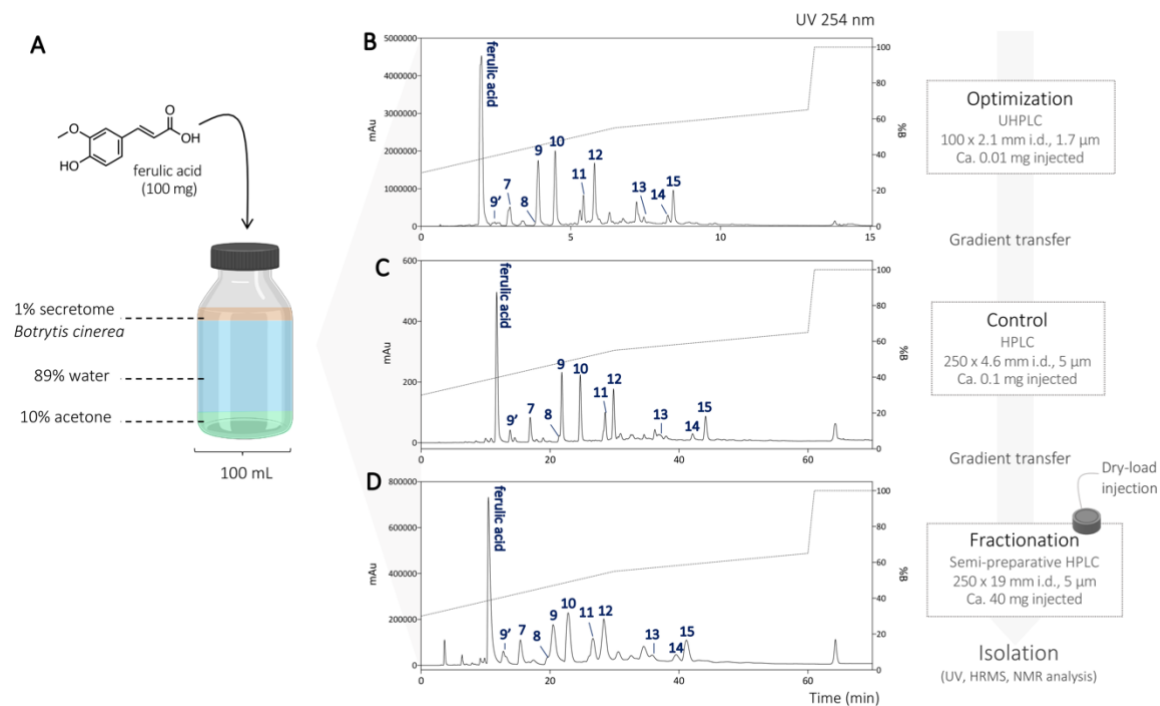
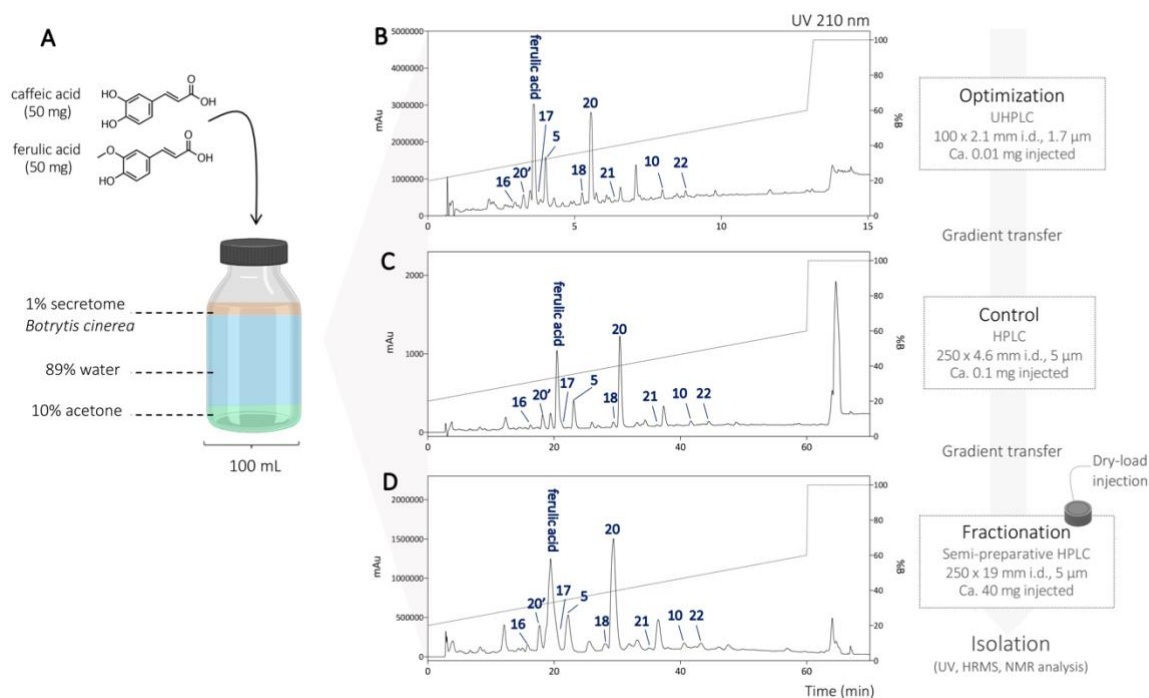


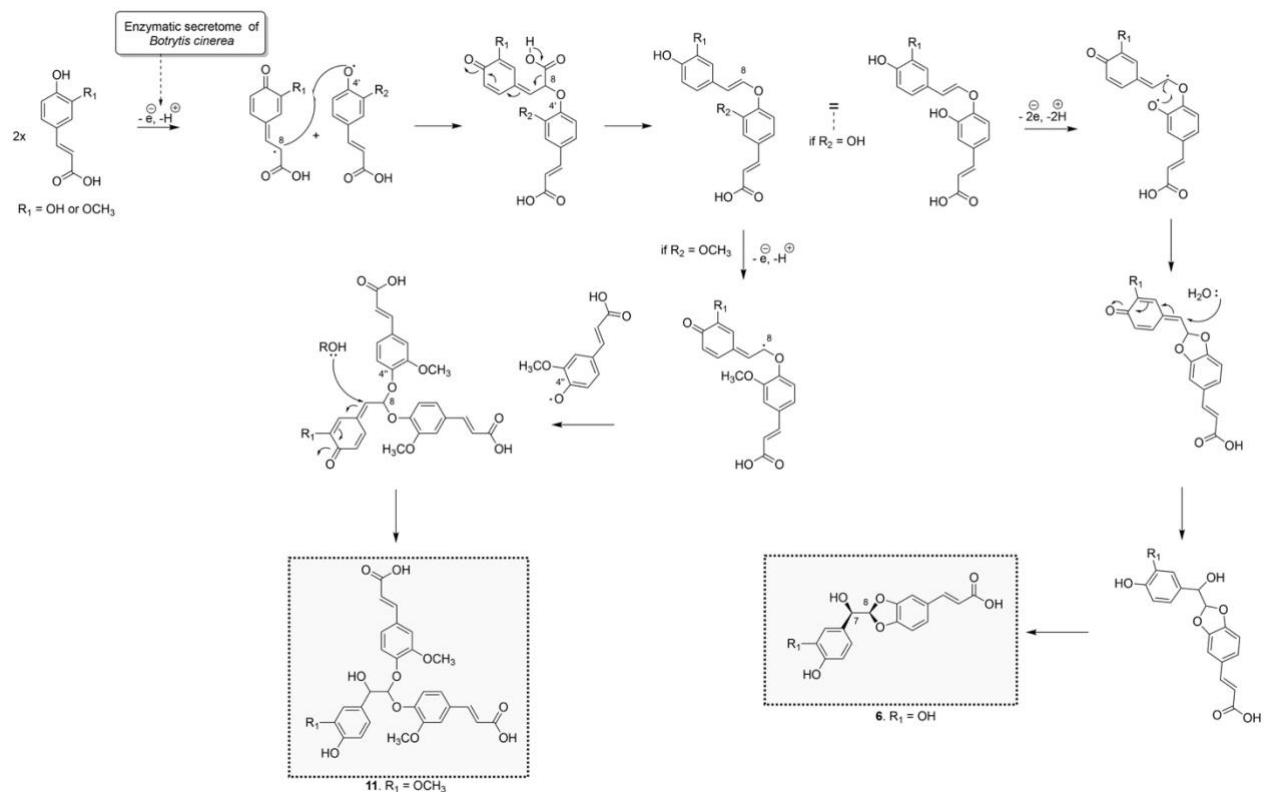
Supplementary Material



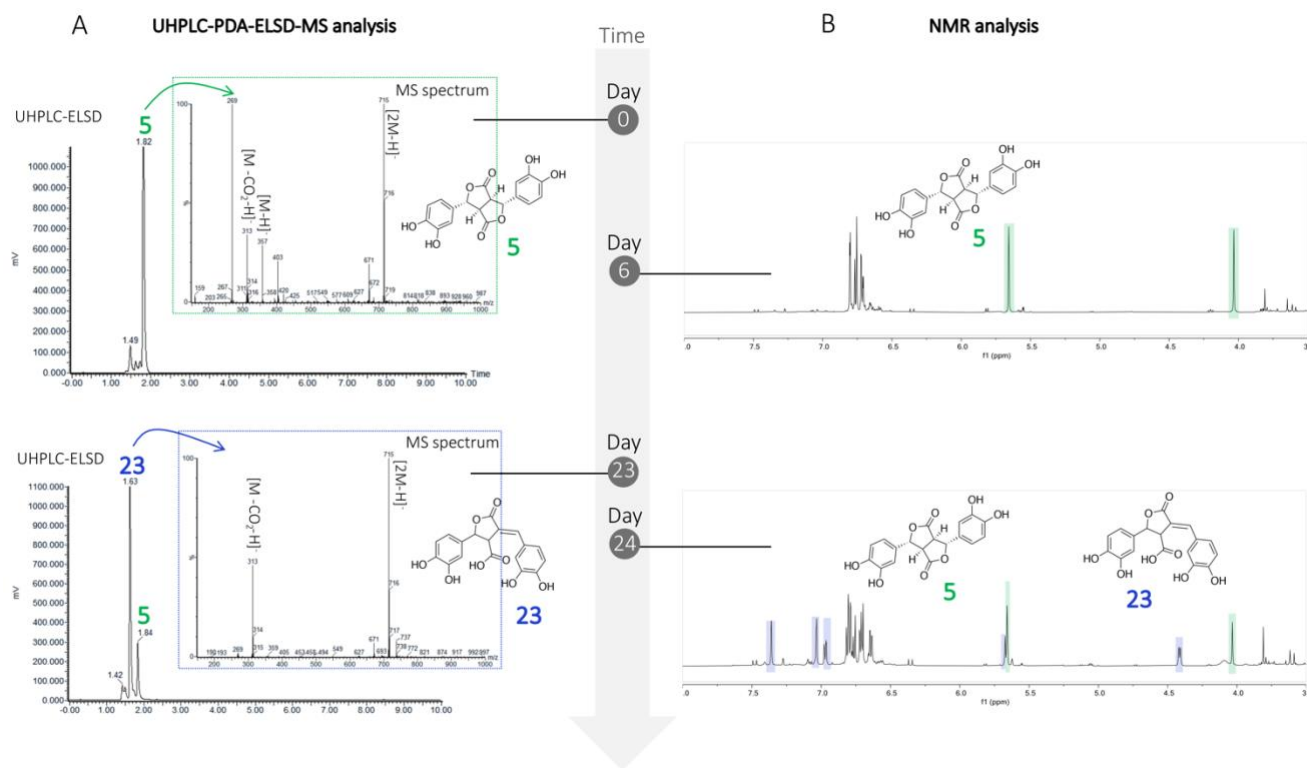
Supplementary Figure 1. (A) Scaled up biotransformation reaction of ferulic acid with the enzymatic secretome of *Botrytis cinerea* and 10% of acetone. (B) UHPLC-PDA analysis with optimized chromatographic conditions. (C) HPLC-PDA analysis using the transferred optimized chromatographic conditions. (D) Semi-preparative HPLC-UV analysis using the transferred optimized chromatographic conditions and isolation of the generated compounds.



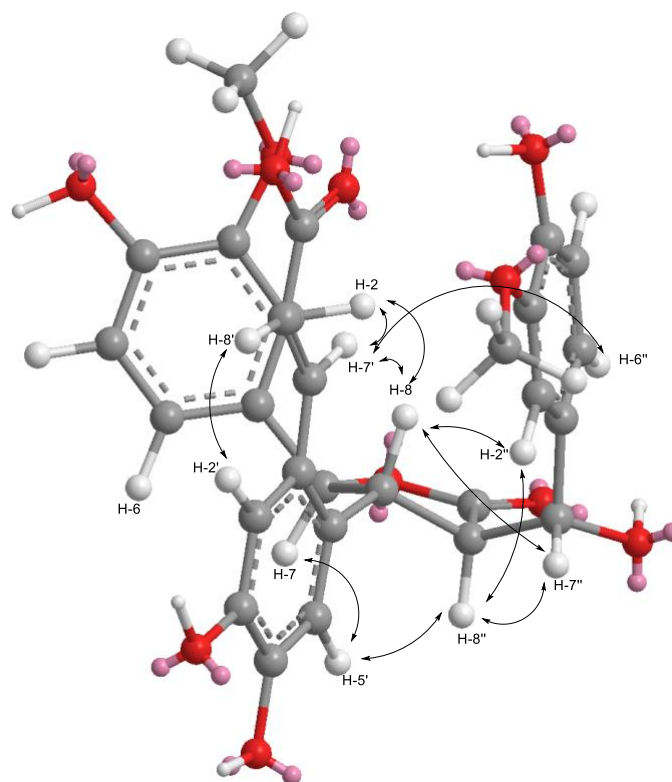
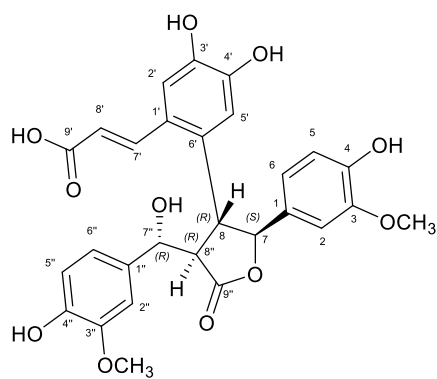
Supplementary Figure 2. (A) Scaled up biotransformation reaction of caffeic acid with the enzymatic secretome of *Botrytis cinerea* and 10% of acetone. (B) UHPLC-PDA analysis with optimized chromatographic conditions. (C) HPLC-PDA analysis using the transferred optimized chromatographic conditions. (D) Semi-preparative HPLC-UV analysis using the transferred optimized chromatographic conditions and isolation of the generated compounds.



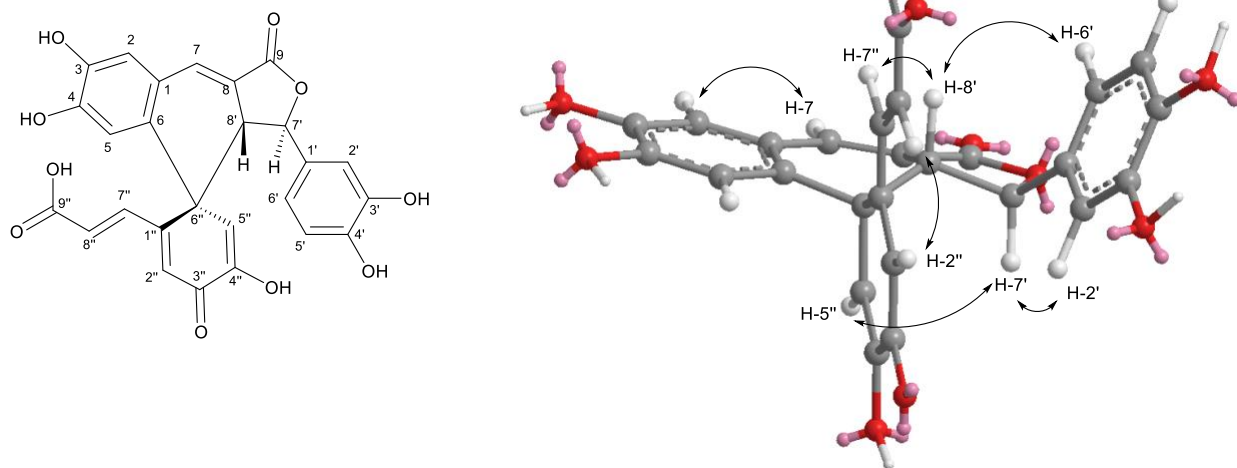
Supplementary Figure 3. Proposed chemo-enzymatic pathway for the formation of compounds **6** and **11** through 8-O-4' phenoxy radical coupling.



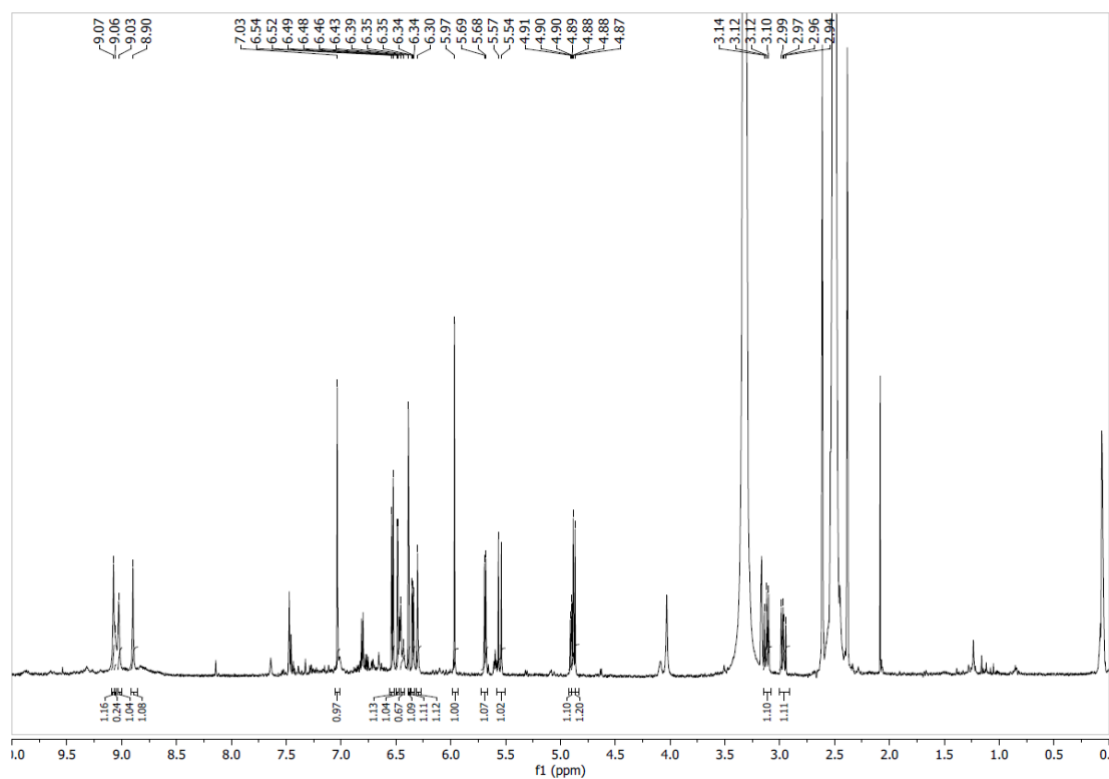
Supplementary Figure 4. (A) UHPLC-PDA-ELSD-MS and (B) NMR analysis showing the degradation of the compound 5 into 23.



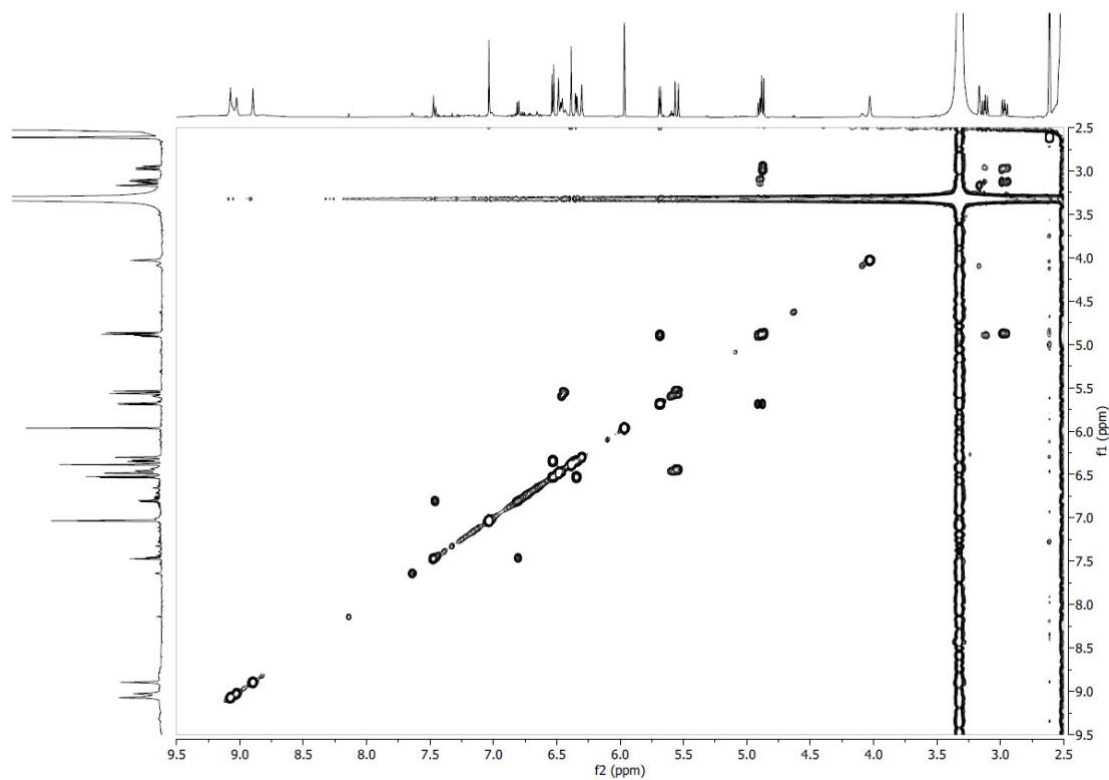
Supplementary Figure 5. Structure of compound **16** and its key ROESY correlations.



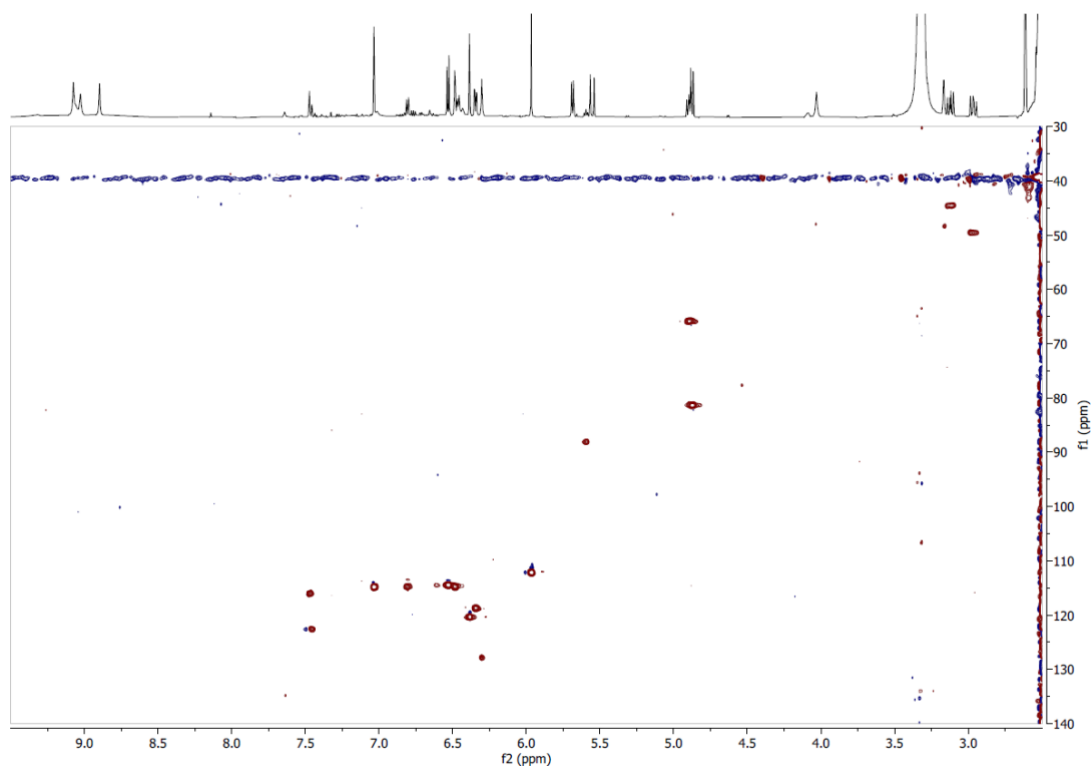
Supplementary Figure 7. Structure of compound **3** and its key ROESY correlations.



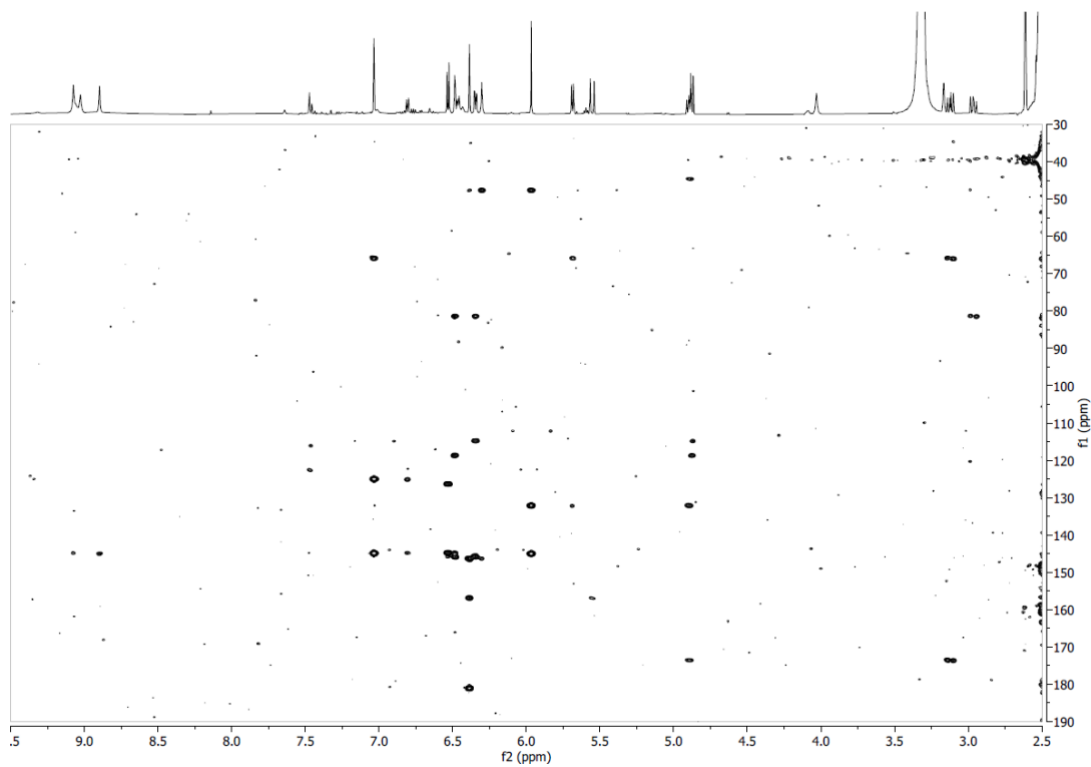
Supplementary Figure 8. ¹H NMR spectrum of compound **1** in DMSO-*d*₆ at 600 Mhz.



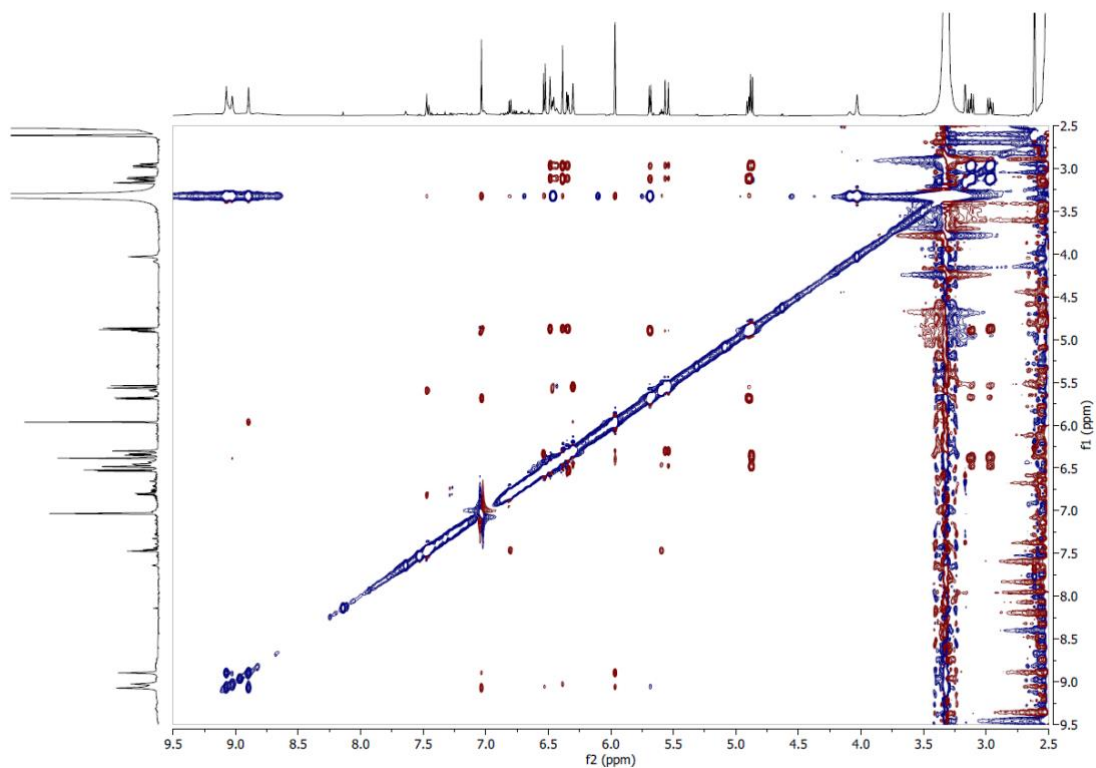
Supplementary Figure 9. COSY NMR spectrum of compound **1** in DMSO-*d*₆



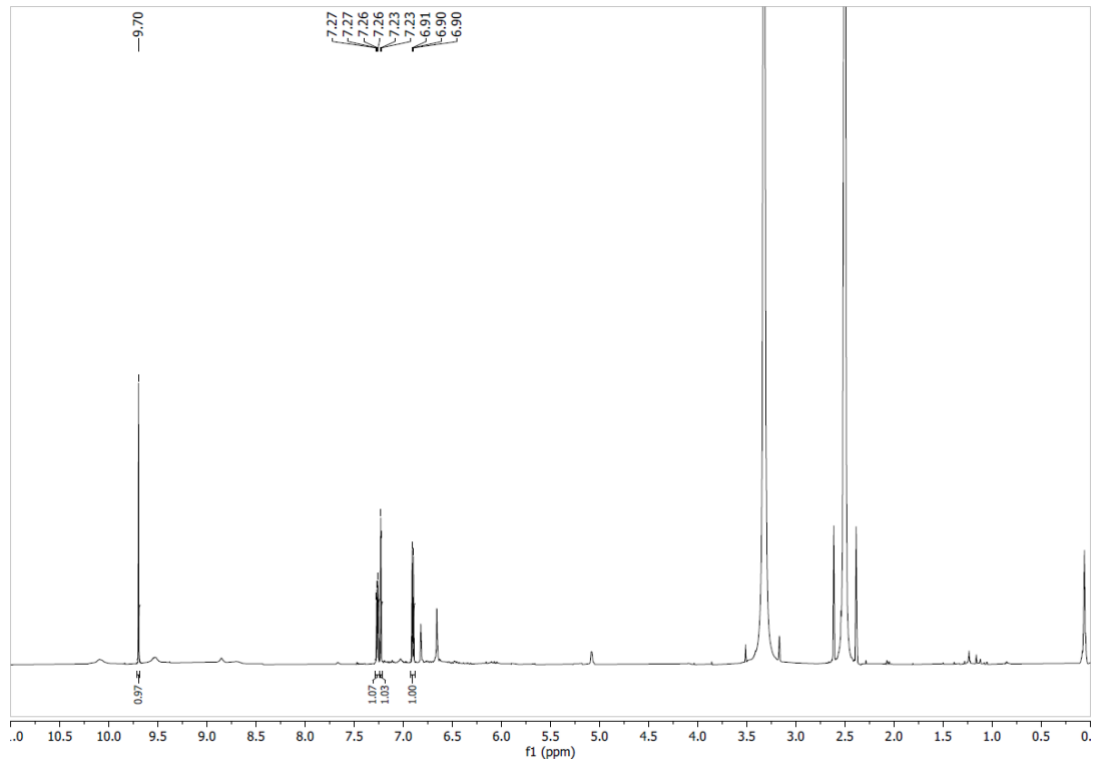
Supplementary Figure 10. Edited-HSQC NMR spectrum of compound **1** in DMSO- d_6



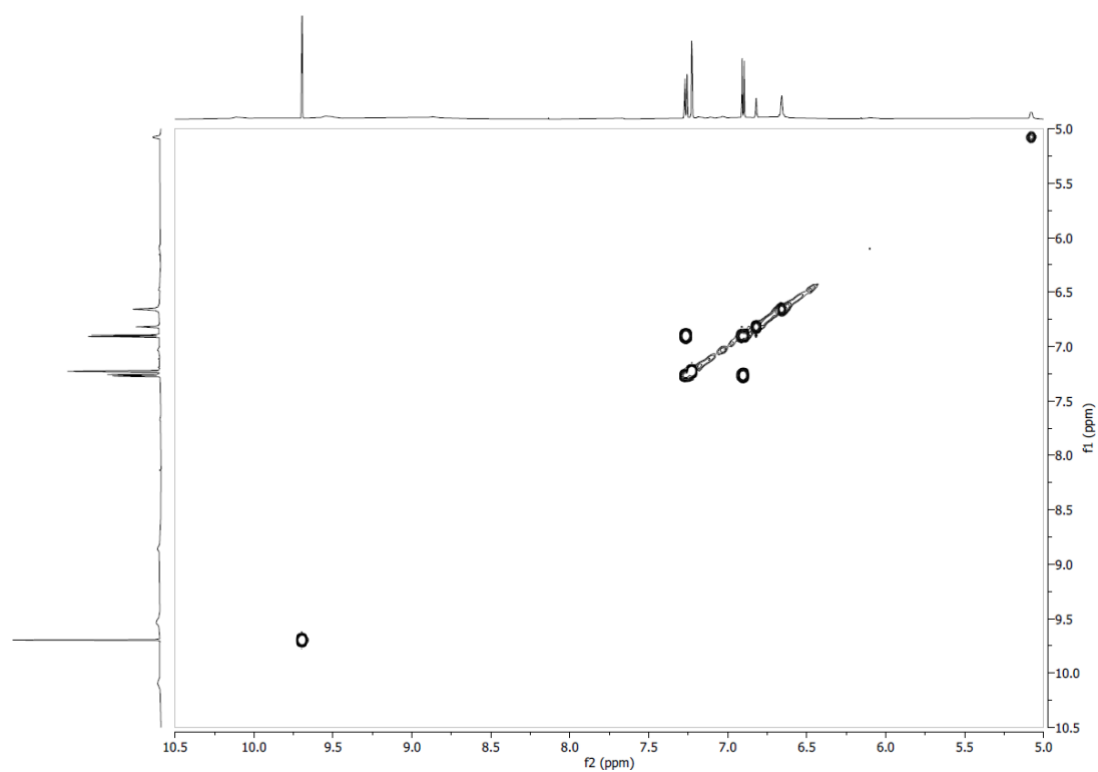
Supplementary Figure 11. HMBC NMR spectrum of compound **1** in DMSO- d_6



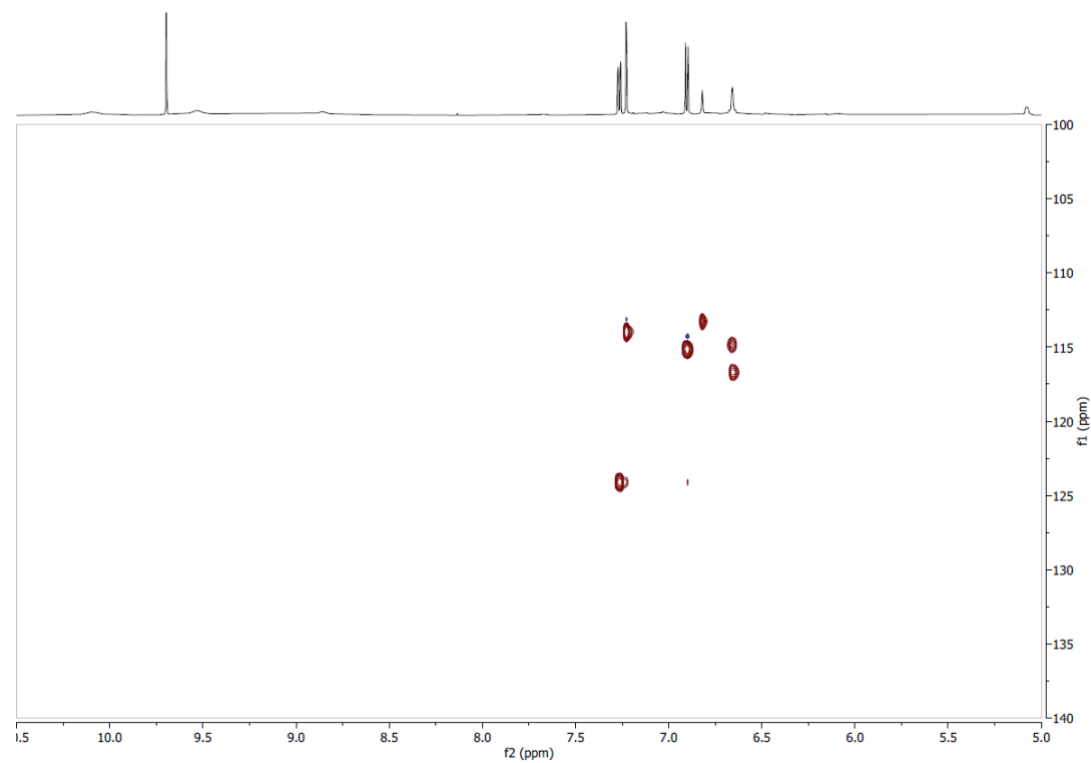
Supplementary Figure 12. ROESY NMR spectrum of compound **1** in DMSO- d_6



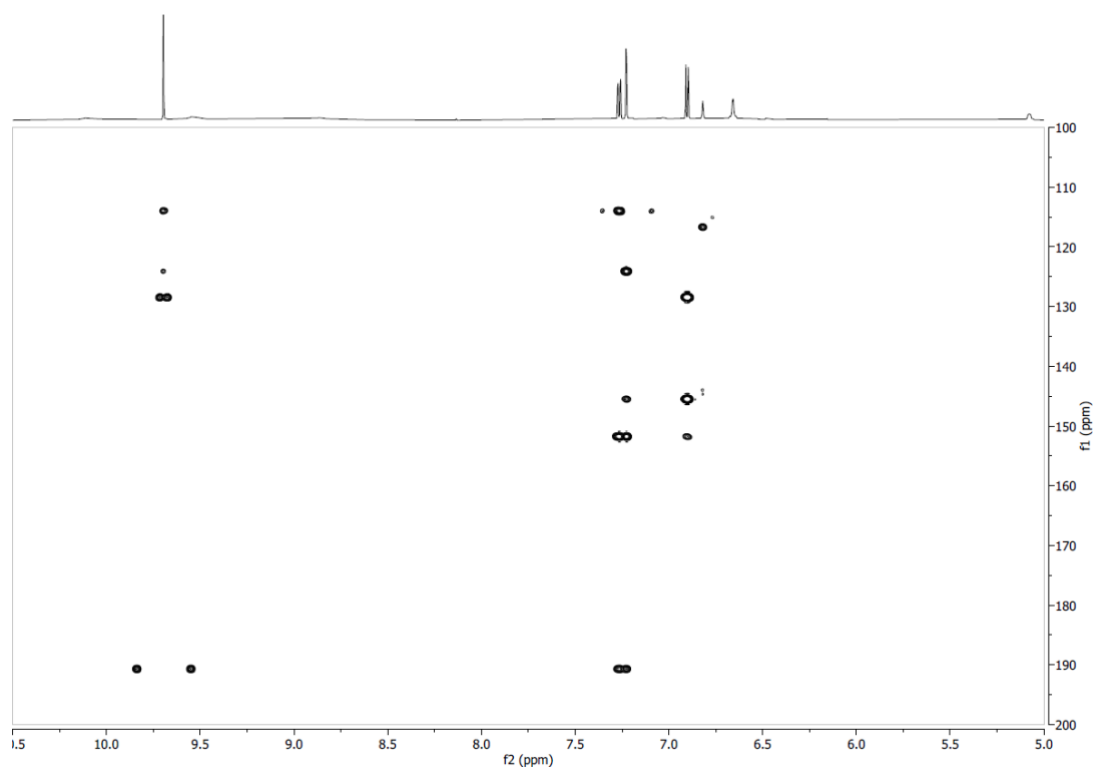
Supplementary Figure 13. ^1H NMR spectrum of compound **2** in DMSO- d_6 at 600 MHz



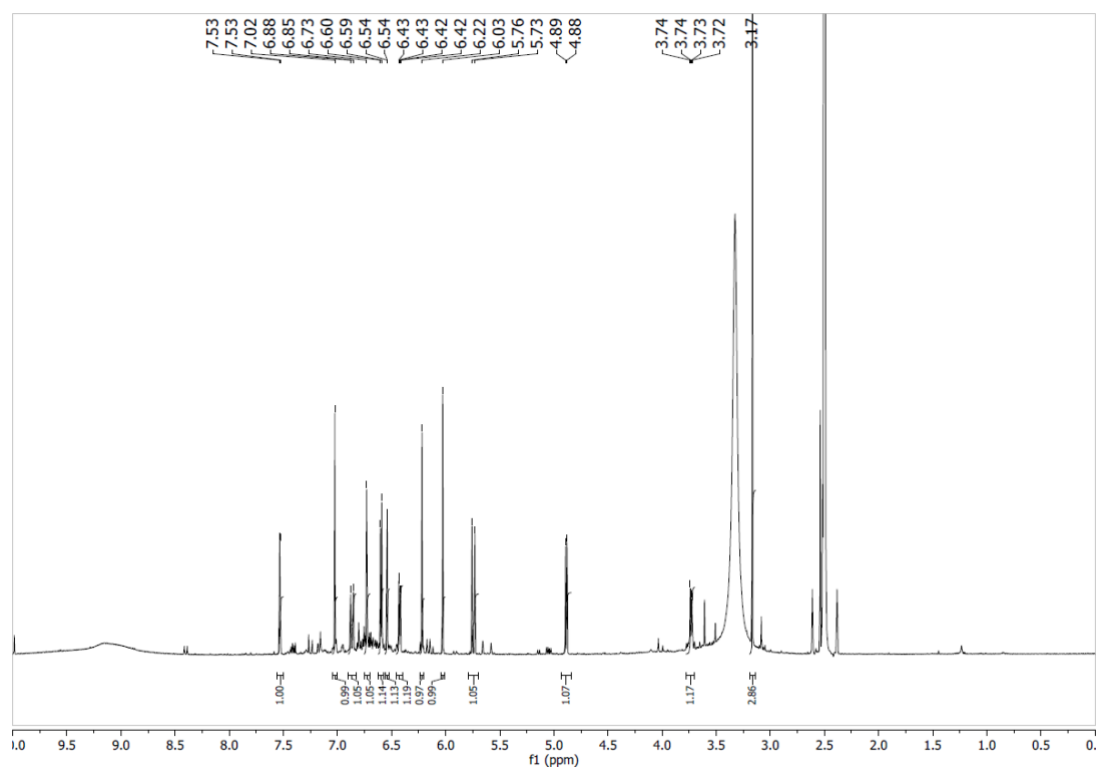
Supplementary Figure 14. COSY NMR spectrum of compound **2** in DMSO- d_6



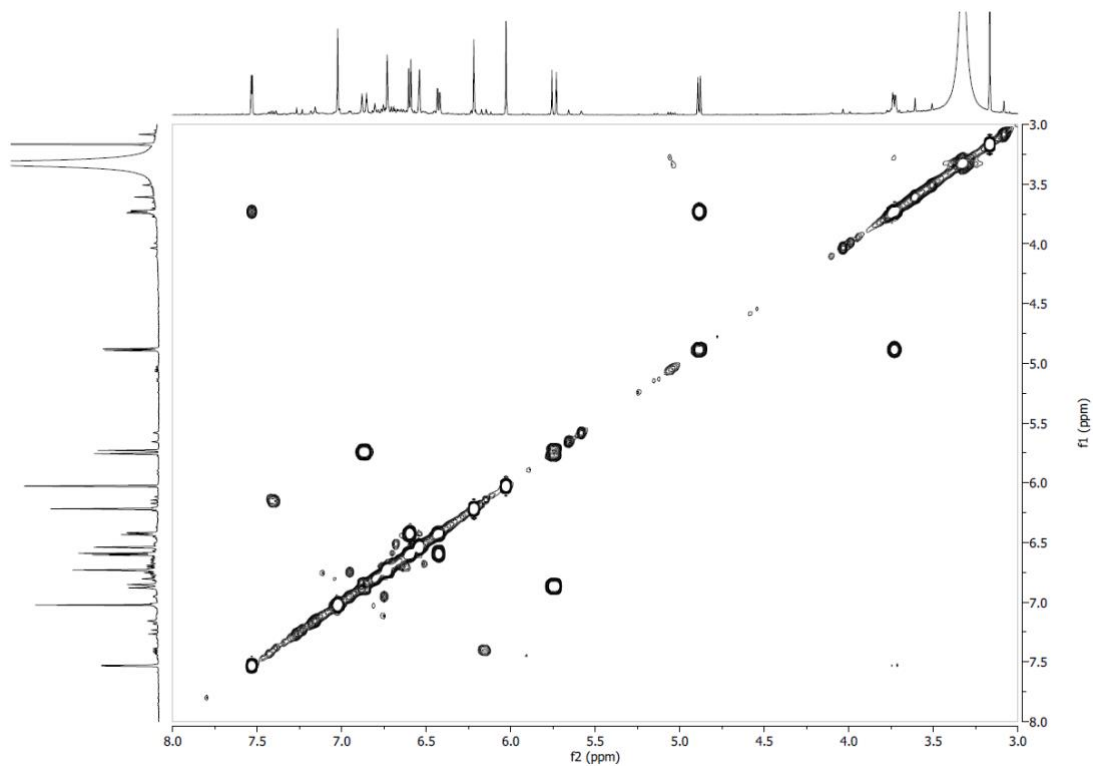
Supplementary Figure 15. Edited-HSQC NMR spectrum of compound **2** in DMSO- d_6



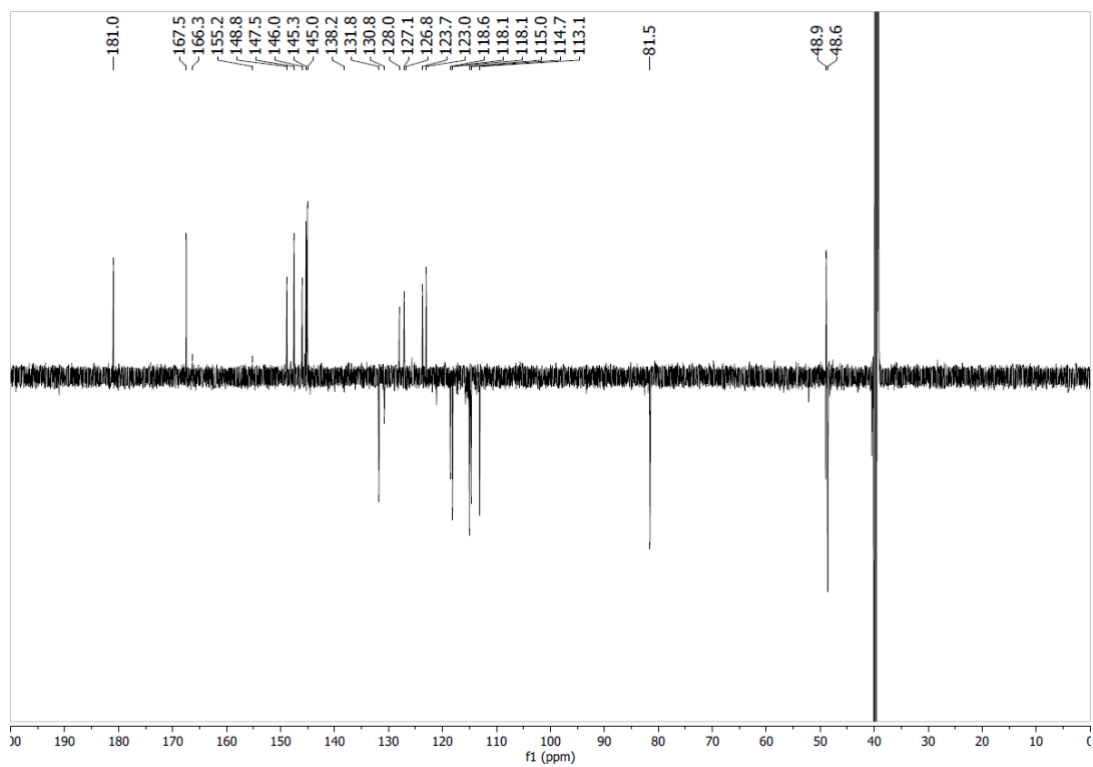
Supplementary Figure 16. HMBC NMR spectrum of compound **2** in DMSO- d_6



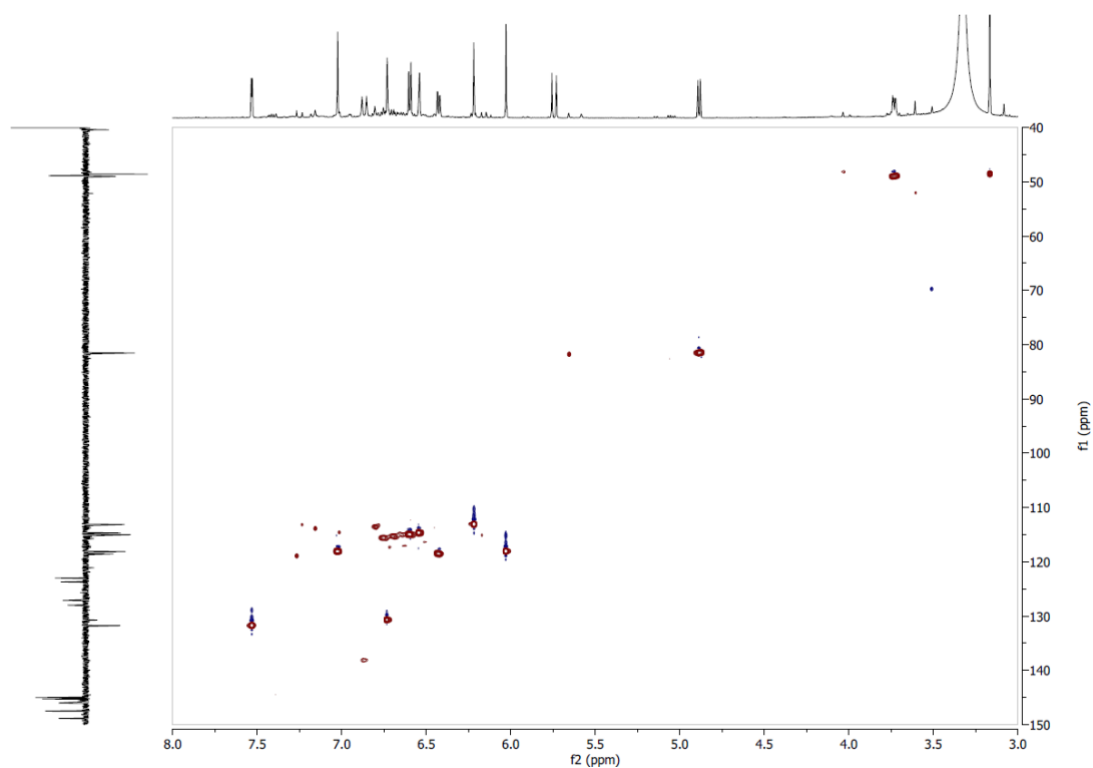
Supplementary Figure 17. ^1H NMR spectrum of compound **3** in DMSO- d_6 at 600 MHz



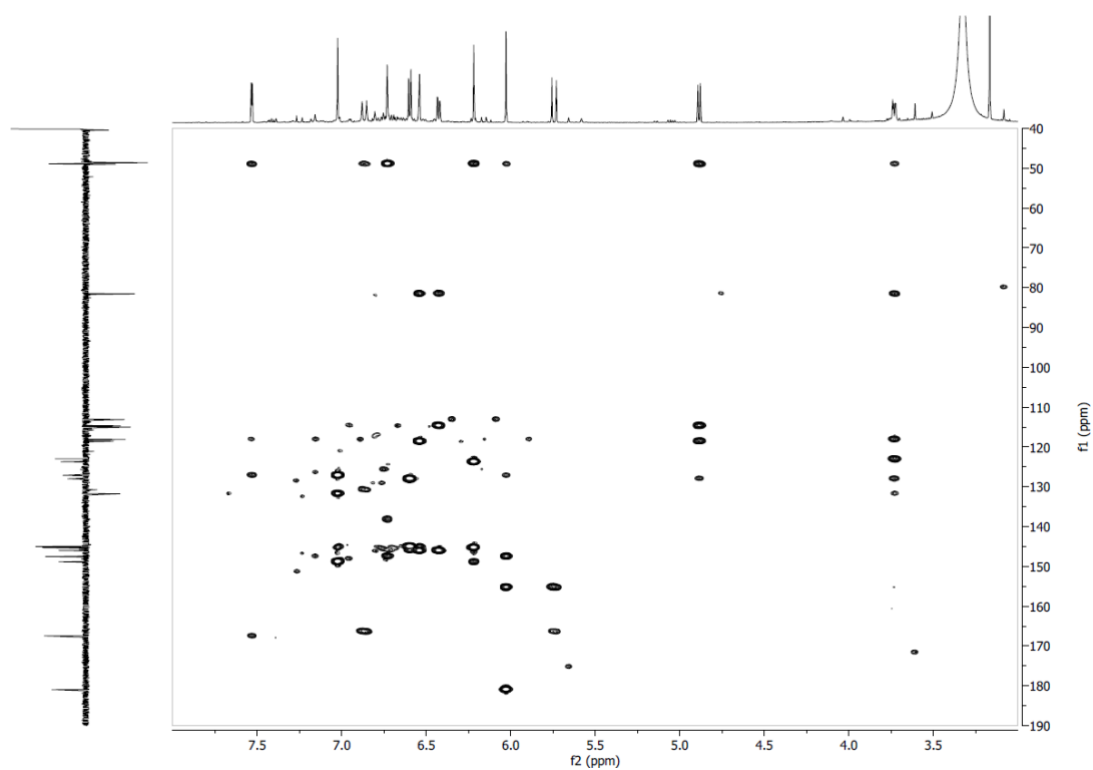
Supplementary Figure 18. COSY NMR spectrum of compound **3** in DMSO- d_6



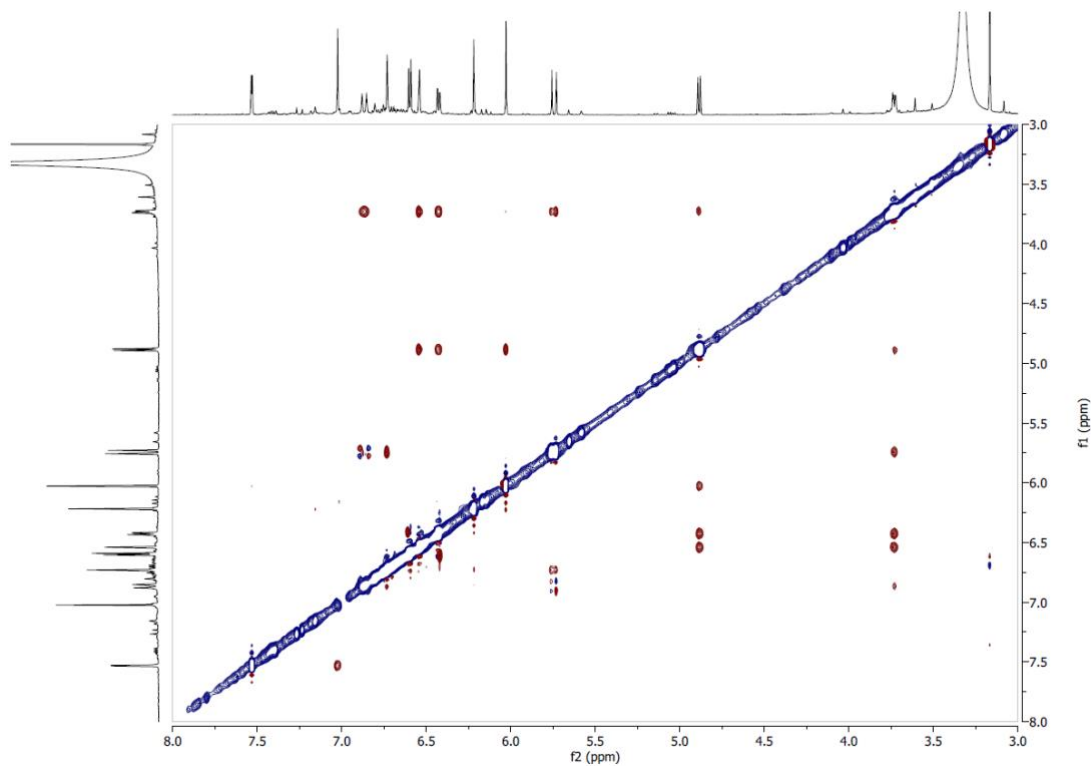
Supplementary Figure 19. ^{13}C -DEPTQ NMR spectrum of compound **3** in DMSO- d_6 at 151 MHz



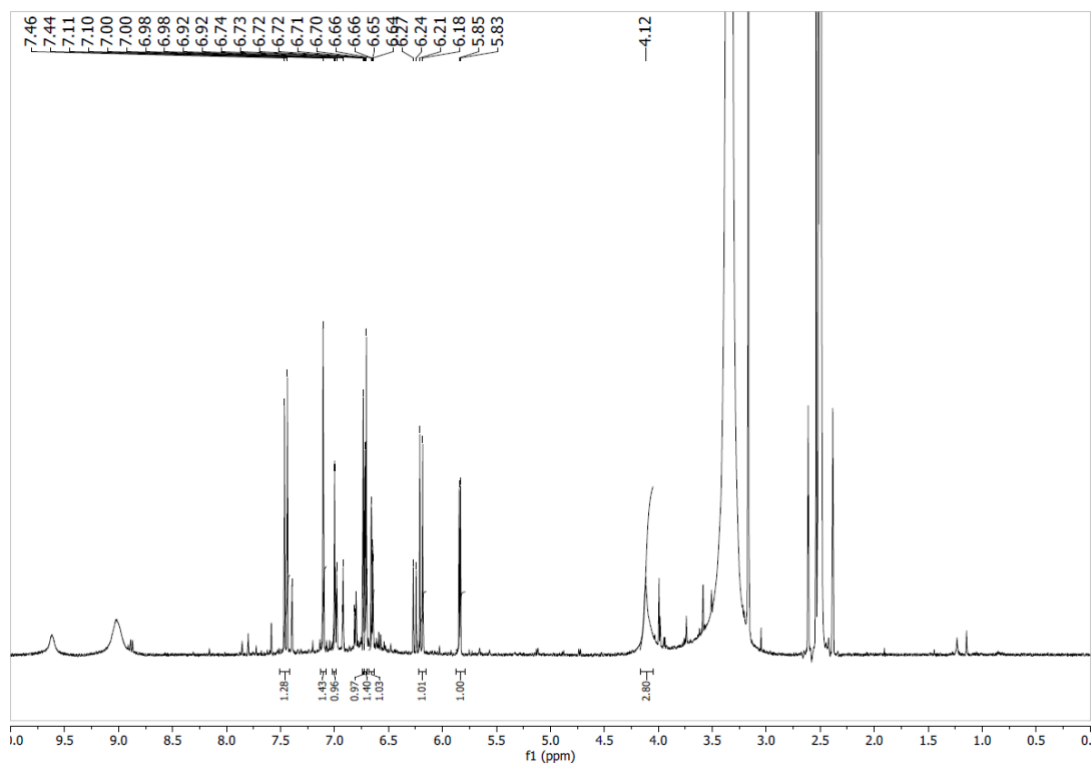
Supplementary Figure 20. Edited-HSQC NMR spectrum of compound **3** in DMSO- d_6



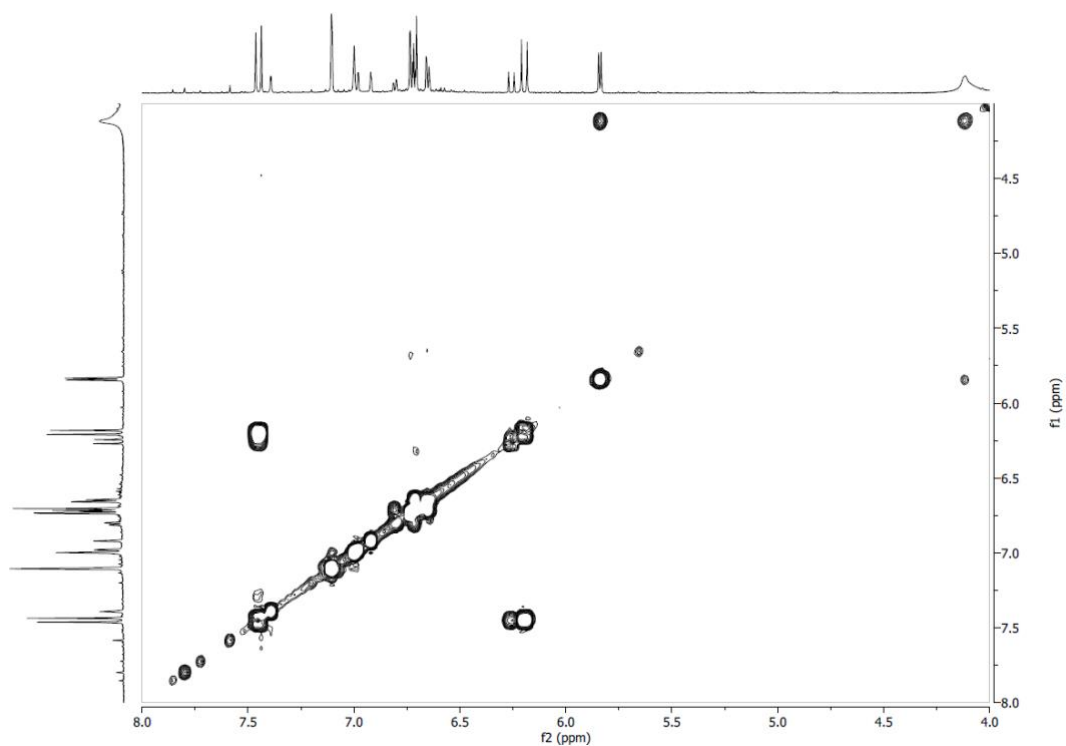
Supplementary Figure 21. HMBC NMR spectrum of compound **3** in DMSO- d_6



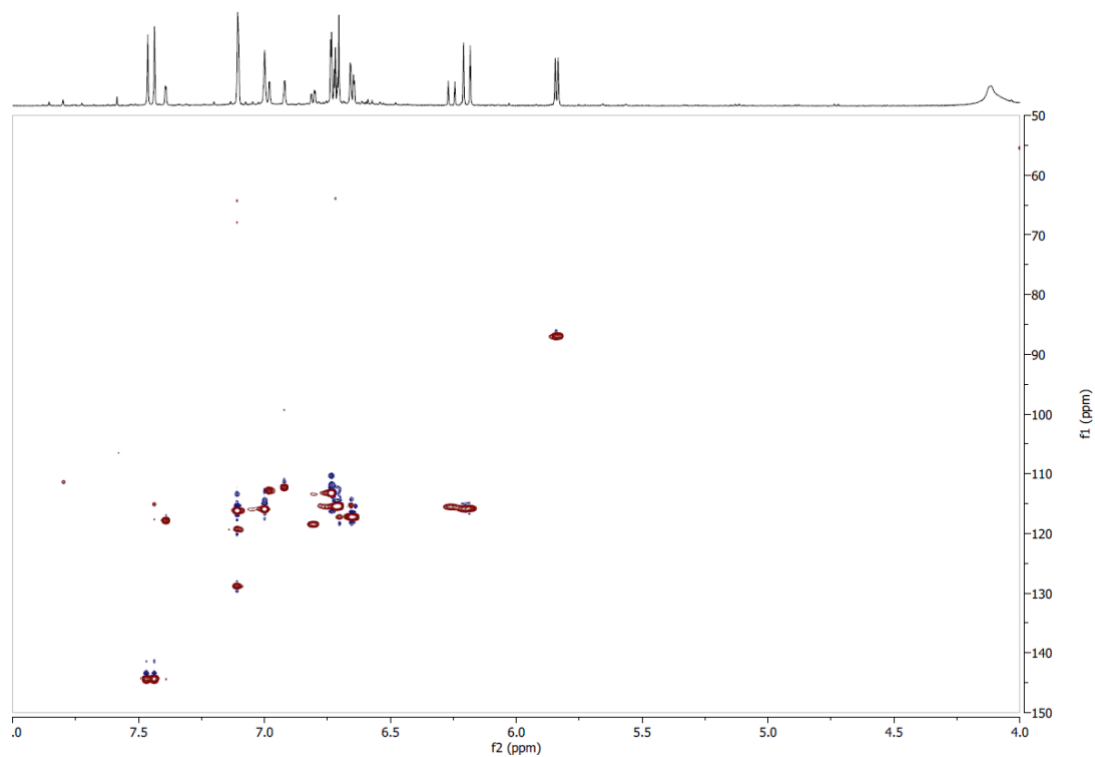
Supplementary Figure 22. ROESY NMR spectrum of compound **3** in DMSO- d_6



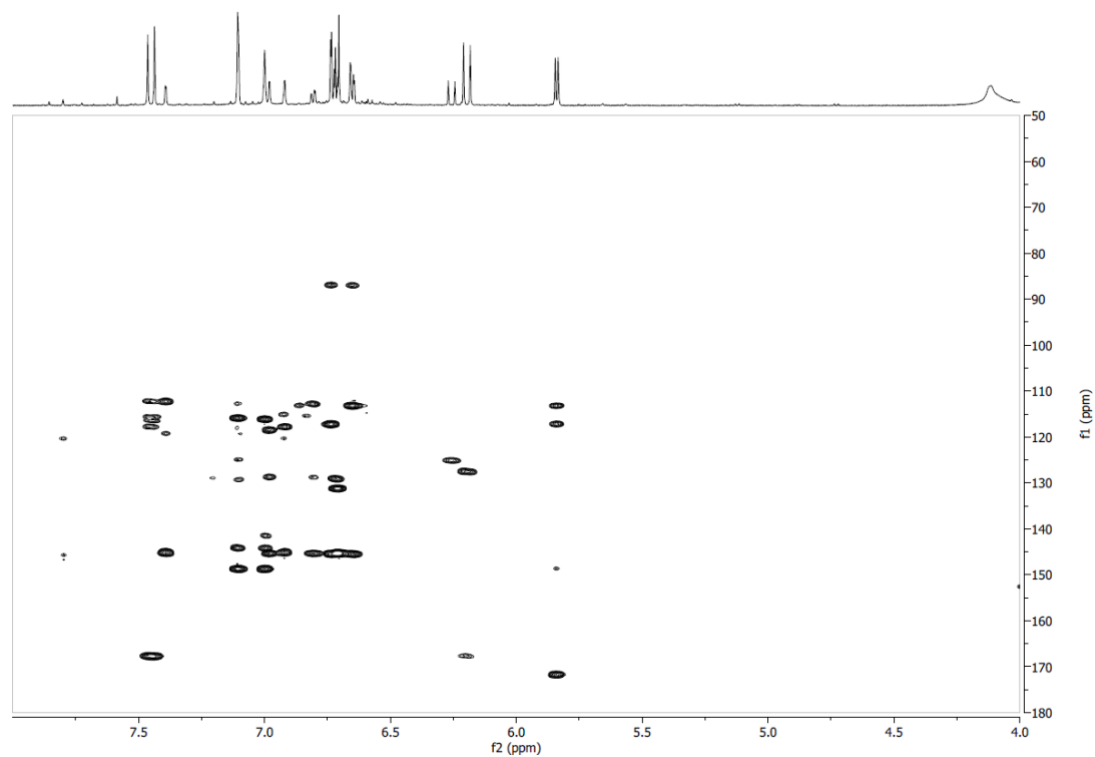
Supplementary Figure 23. ^1H NMR spectrum of compound **4** in DMSO- d_6 at 600 MHz



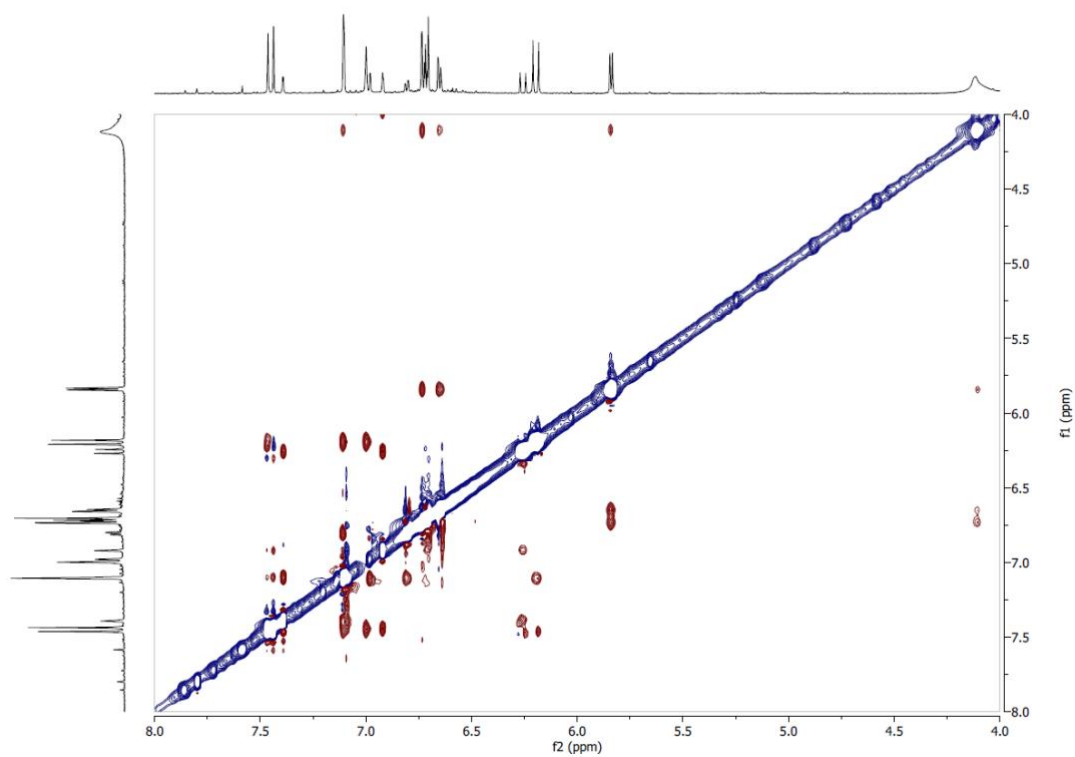
Supplementary Figure 24. COSY NMR spectrum of compound **4** in DMSO- d_6



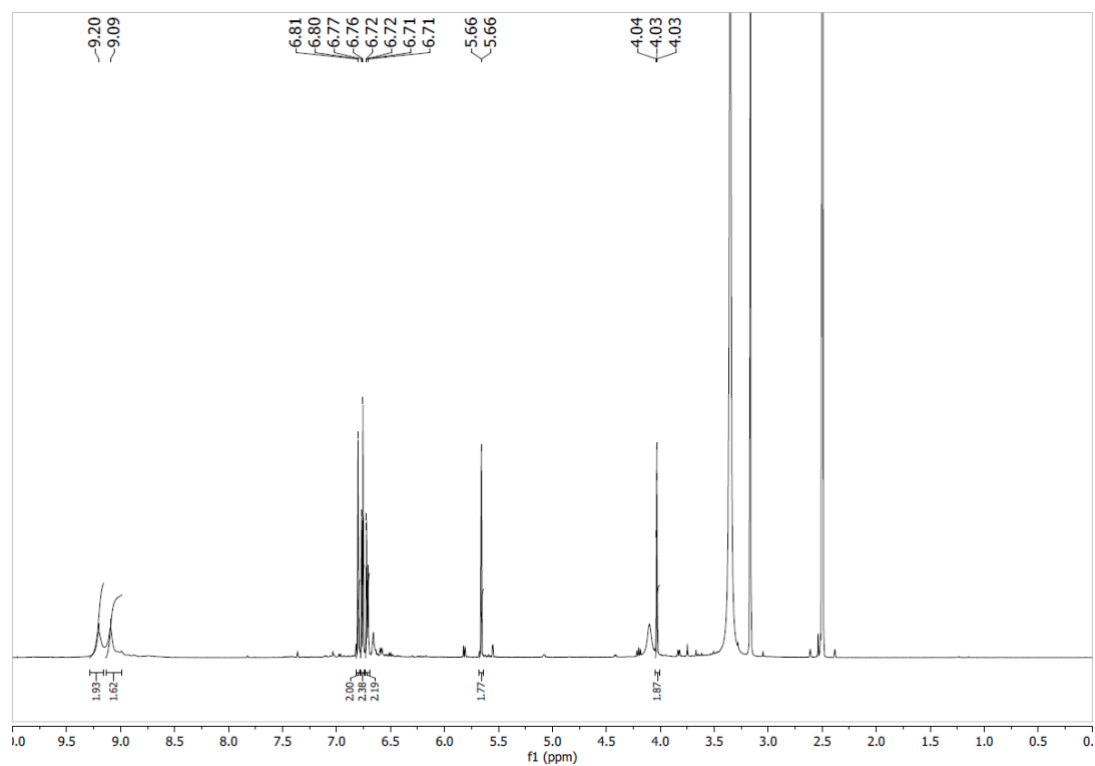
Supplementary Figure 25. Edited-HSQC NMR spectrum of compound **4** in DMSO- d_6



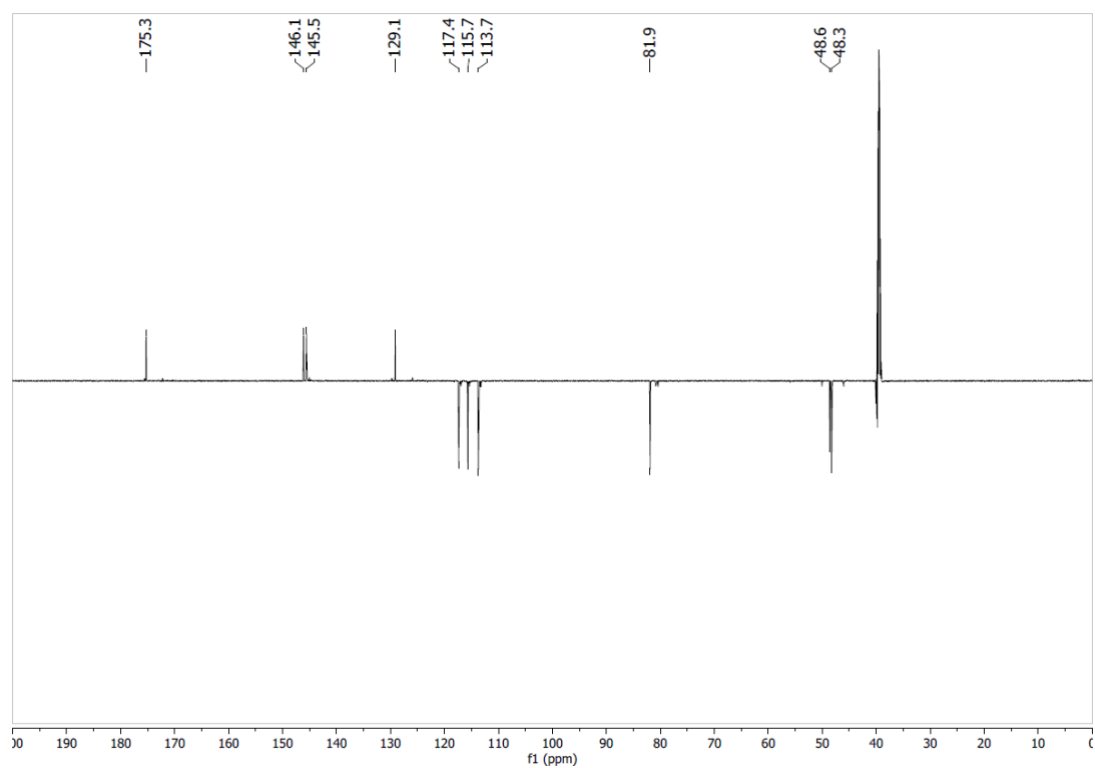
Supplementary Figure 26. HMBC NMR spectrum of compound **4** in DMSO-*d*₆



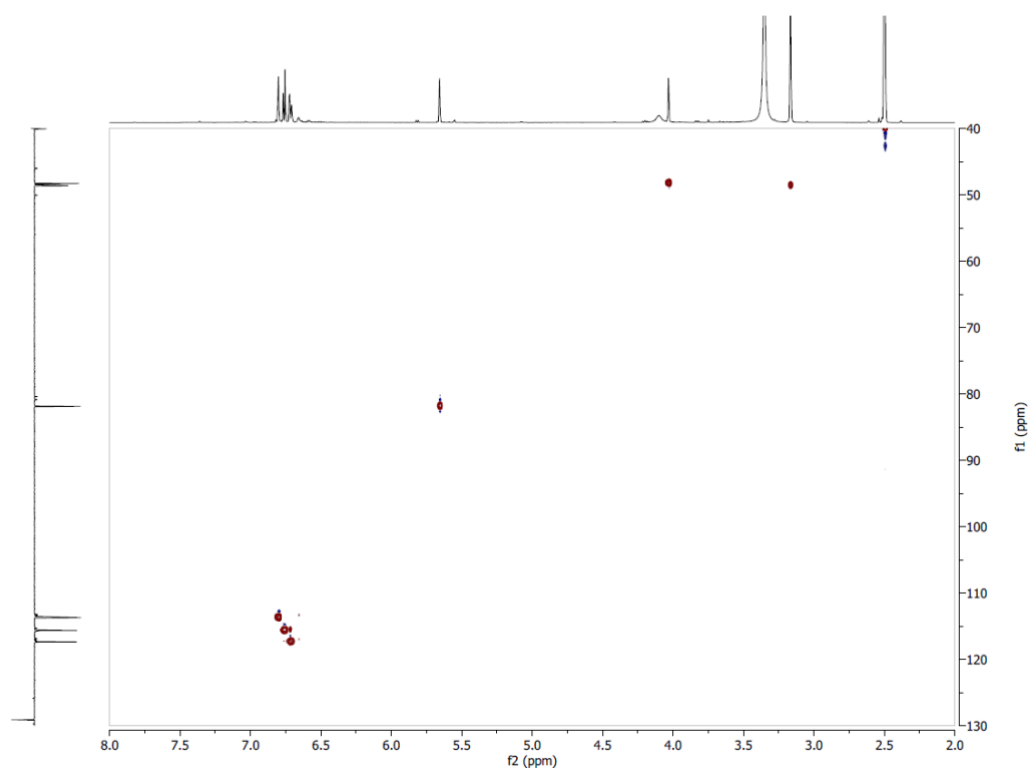
Supplementary Figure 27. ROESY NMR spectrum of compound **4** in DMSO-*d*₆



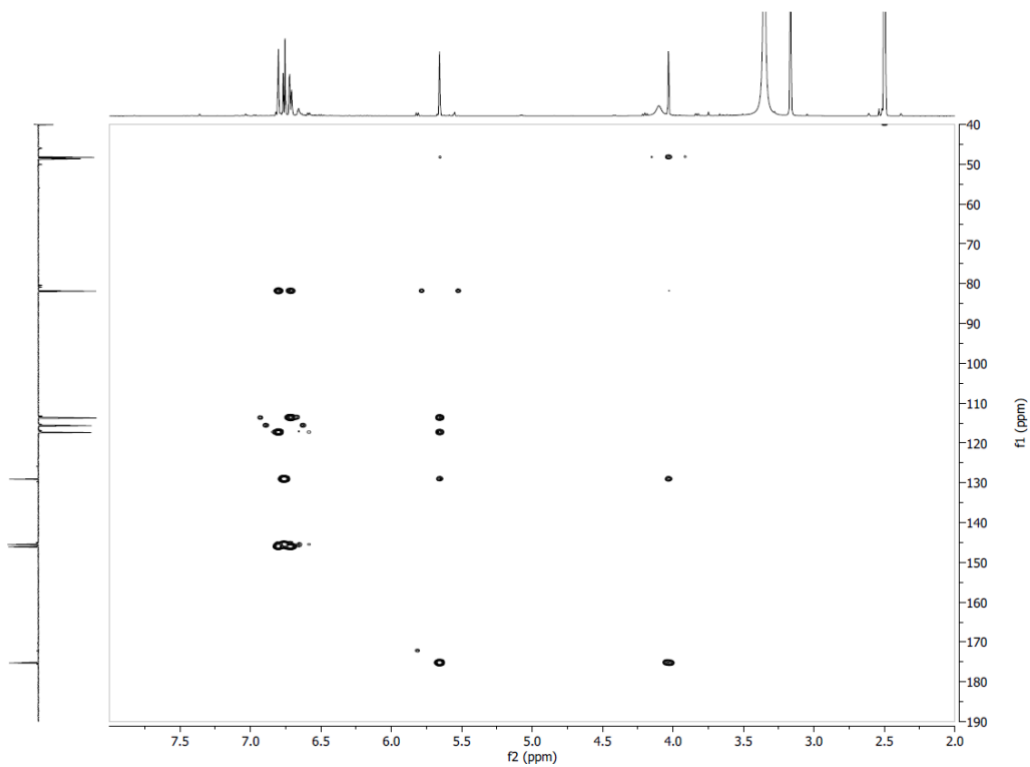
Supplementary Figure 28. ¹H NMR spectrum of compound **5** in DMSO-*d*₆ at 600 MHz



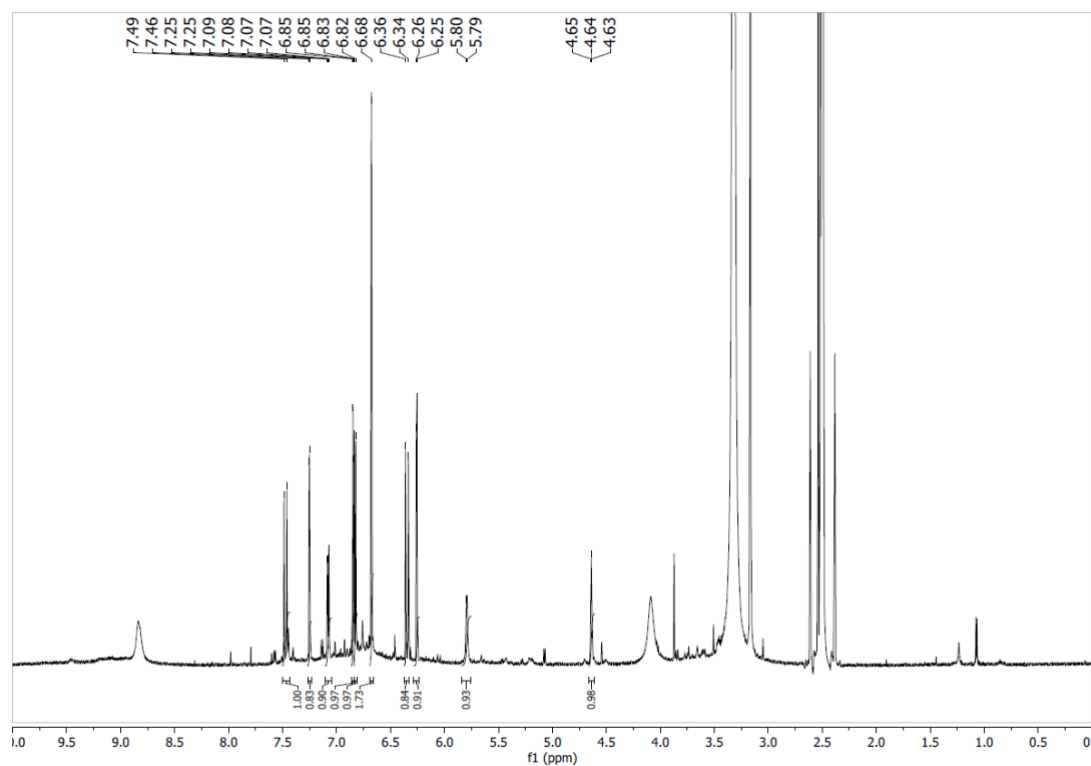
Supplementary Figure 29. ¹³C-DEPTQ NMR spectrum of compound **5** in DMSO-*d*₆ at 151 MHz



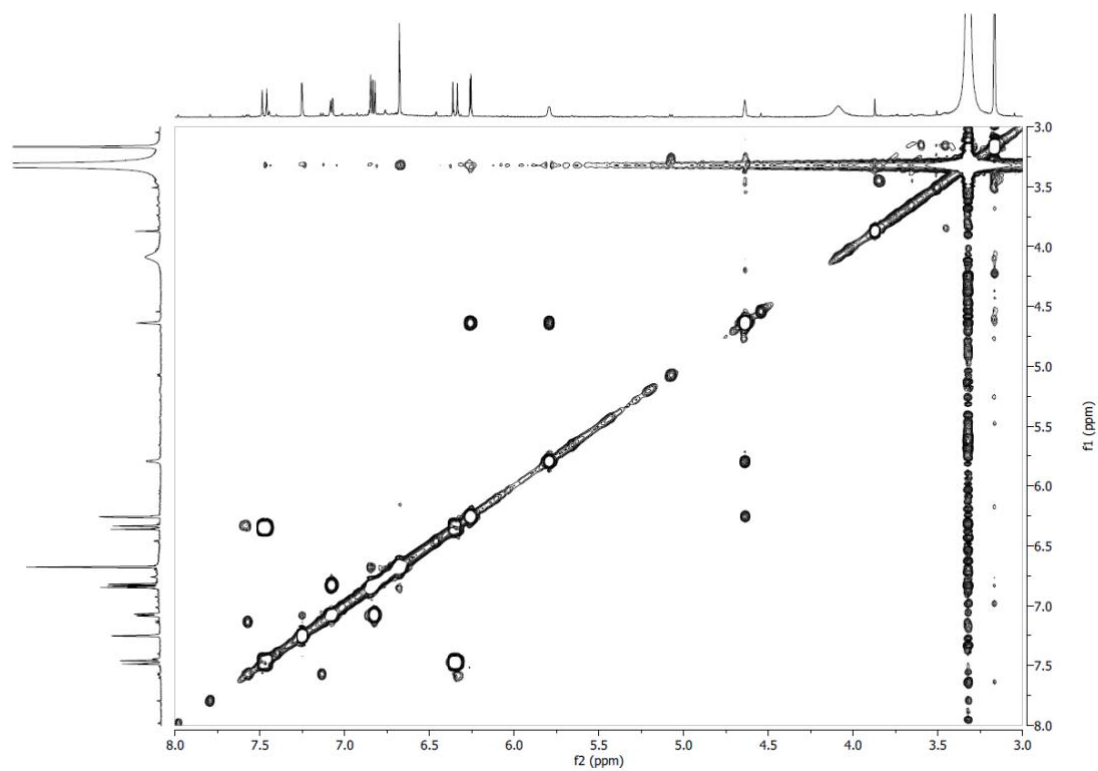
Supplementary Figure 30. Edited-HSQC NMR spectrum of compound **5** in DMSO- d_6



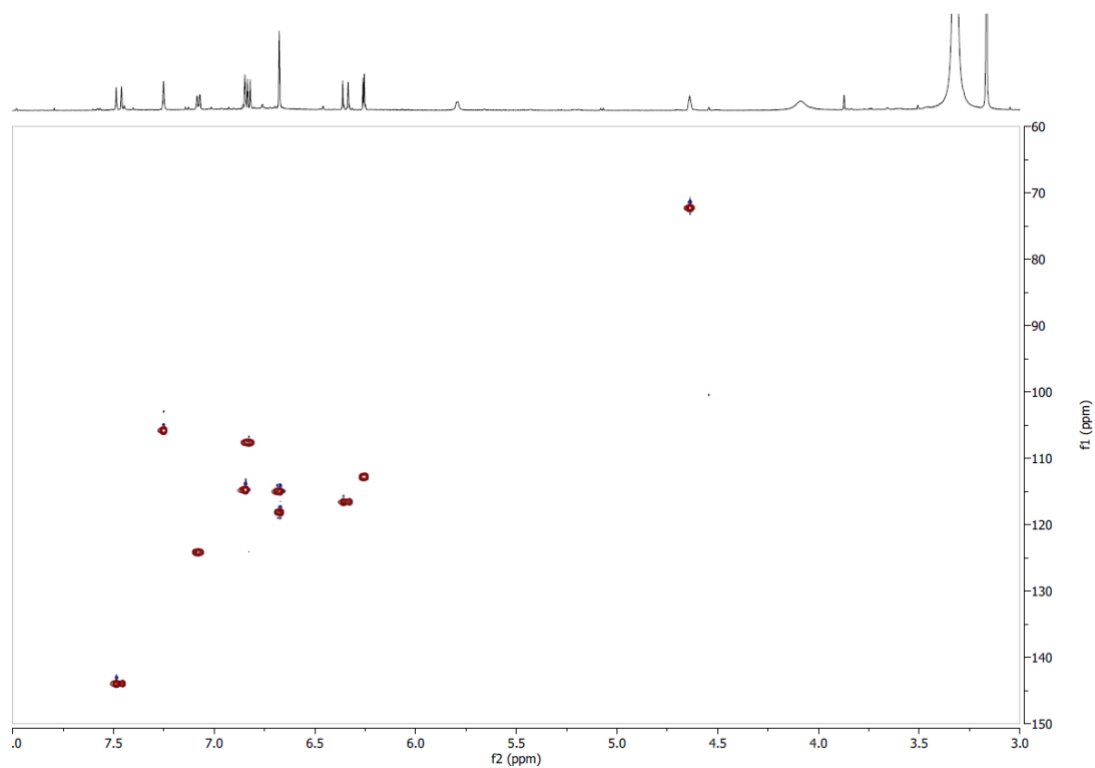
Supplementary Figure 31. HMBC NMR spectrum of compound **5** in DMSO- d_6



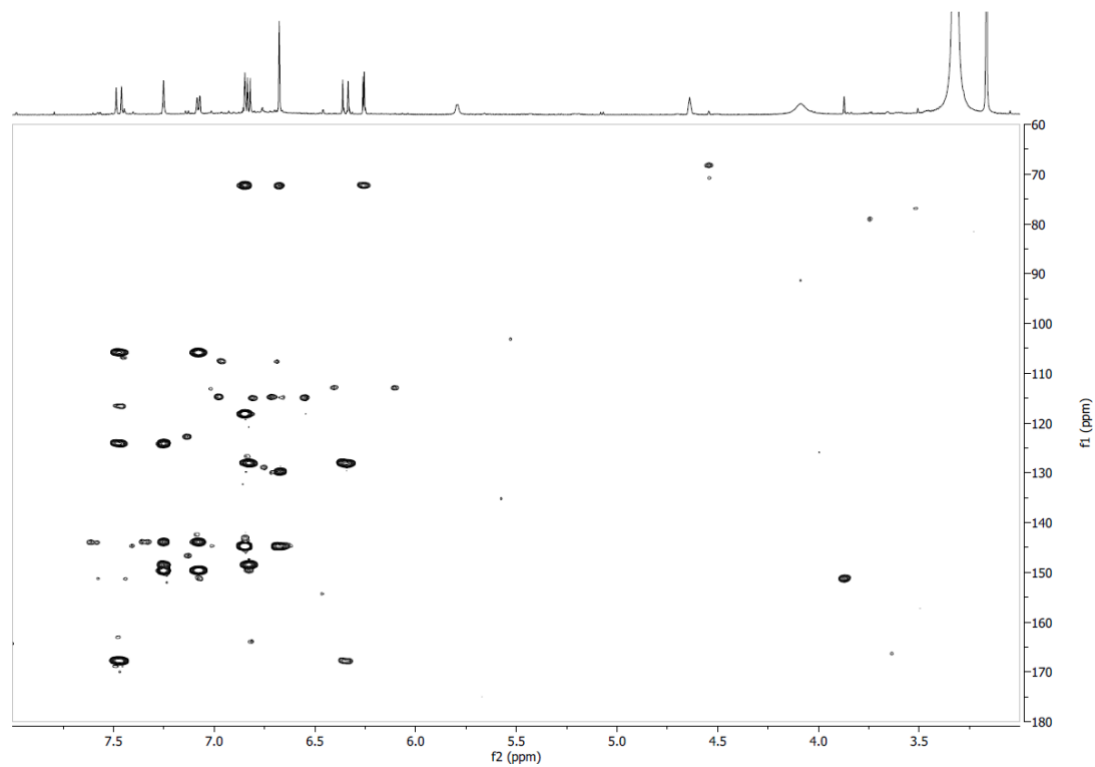
Supplementary Figure 32. ^1H NMR spectrum of compound **6** in $\text{DMSO-}d_6$ at 600 MHz



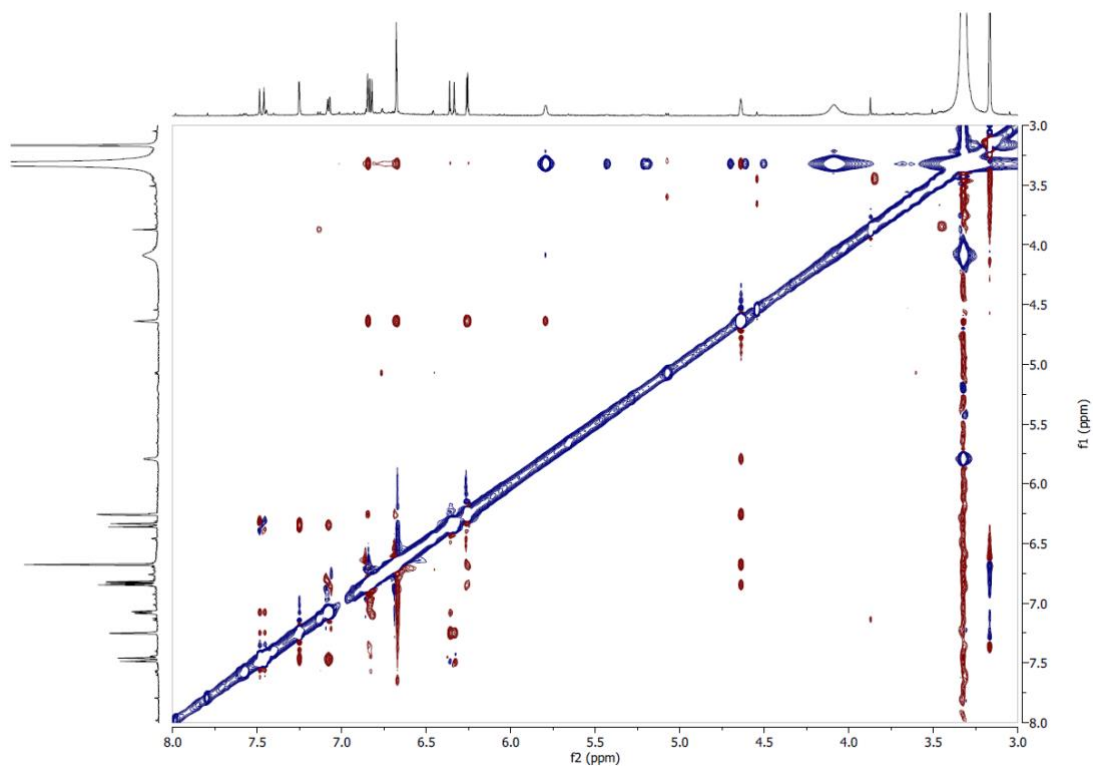
Supplementary Figure 33. COSY NMR spectrum of compound **6** in $\text{DMSO-}d_6$



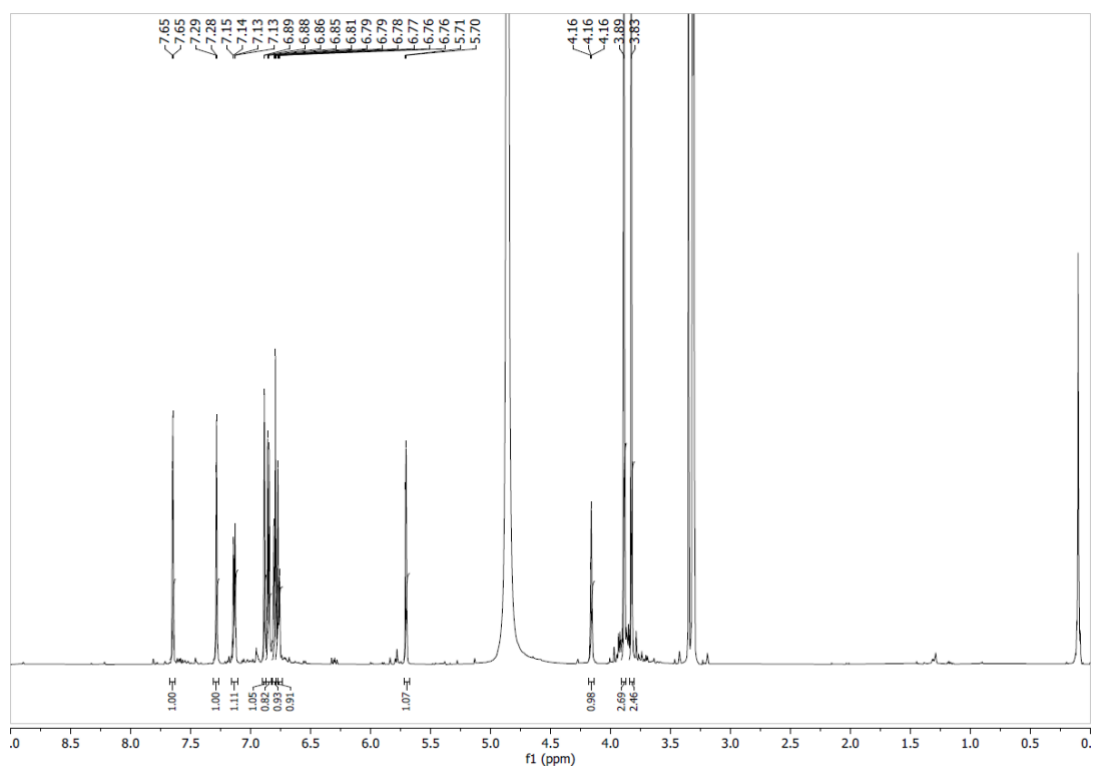
Supplementary Figure 34. Edited-HSQC NMR spectrum of compound **6** in DMSO- d_6



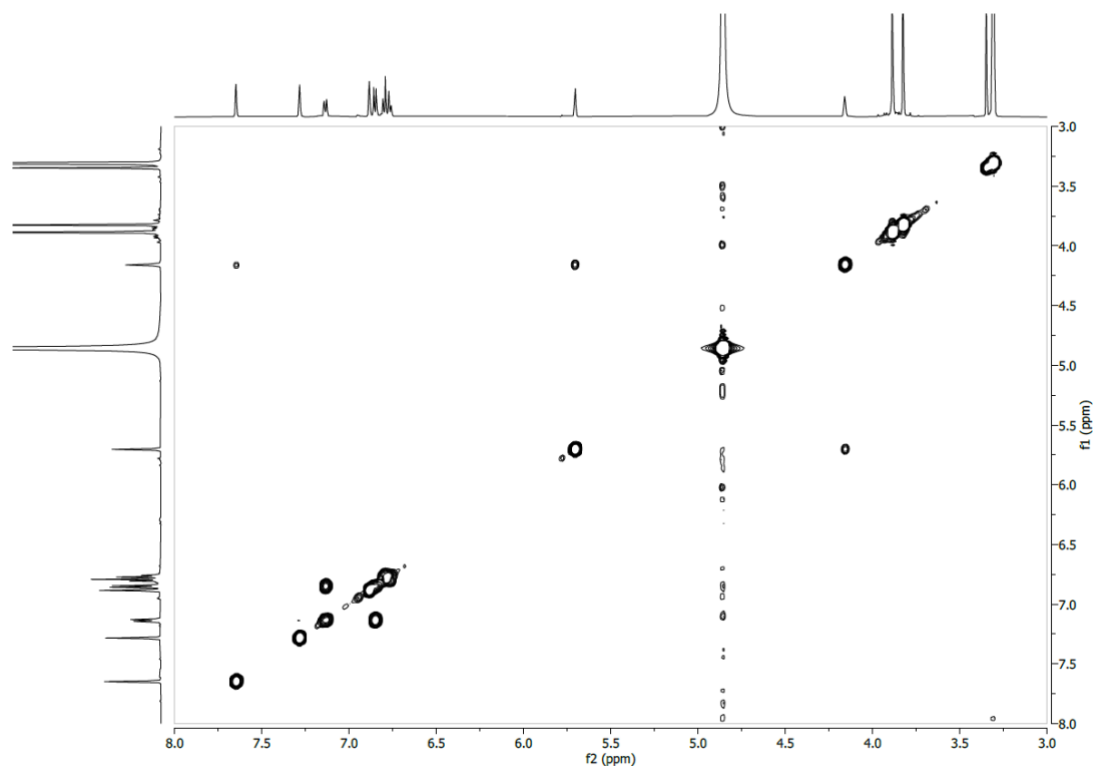
Supplementary Figure 35. HMBC NMR spectrum of compound **6** in DMSO- d_6



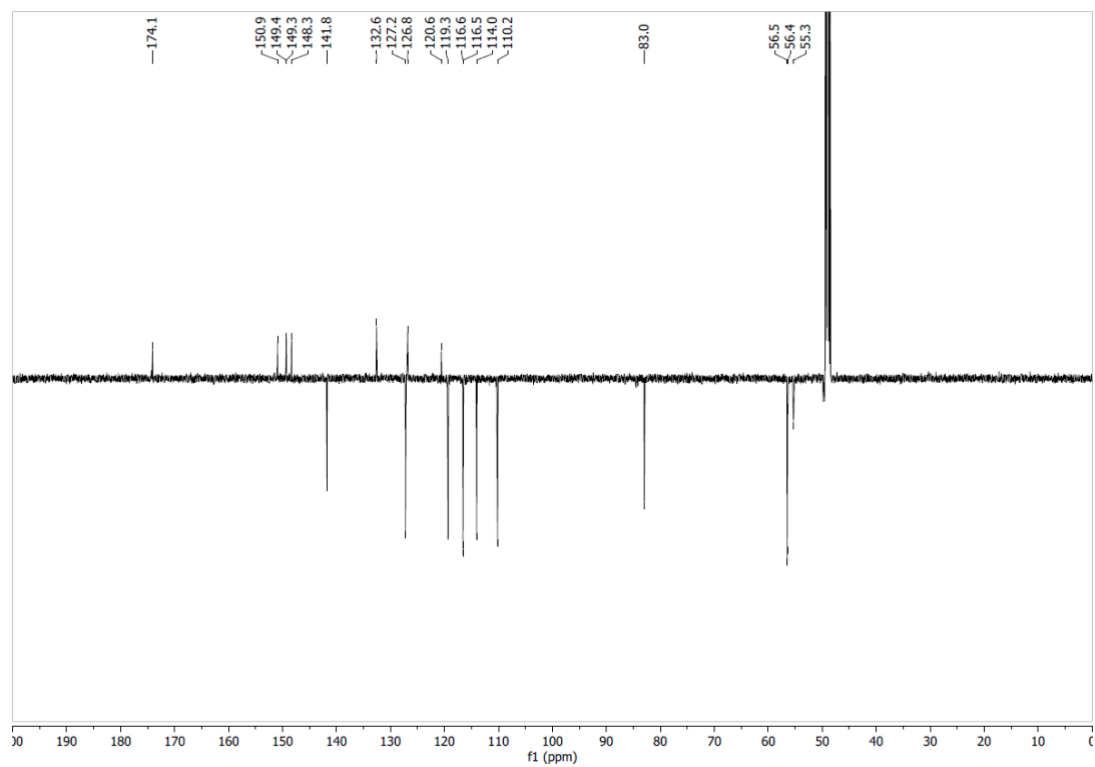
Supplementary Figure 36. ROESY NMR spectrum of compound **6** in DMSO- d_6



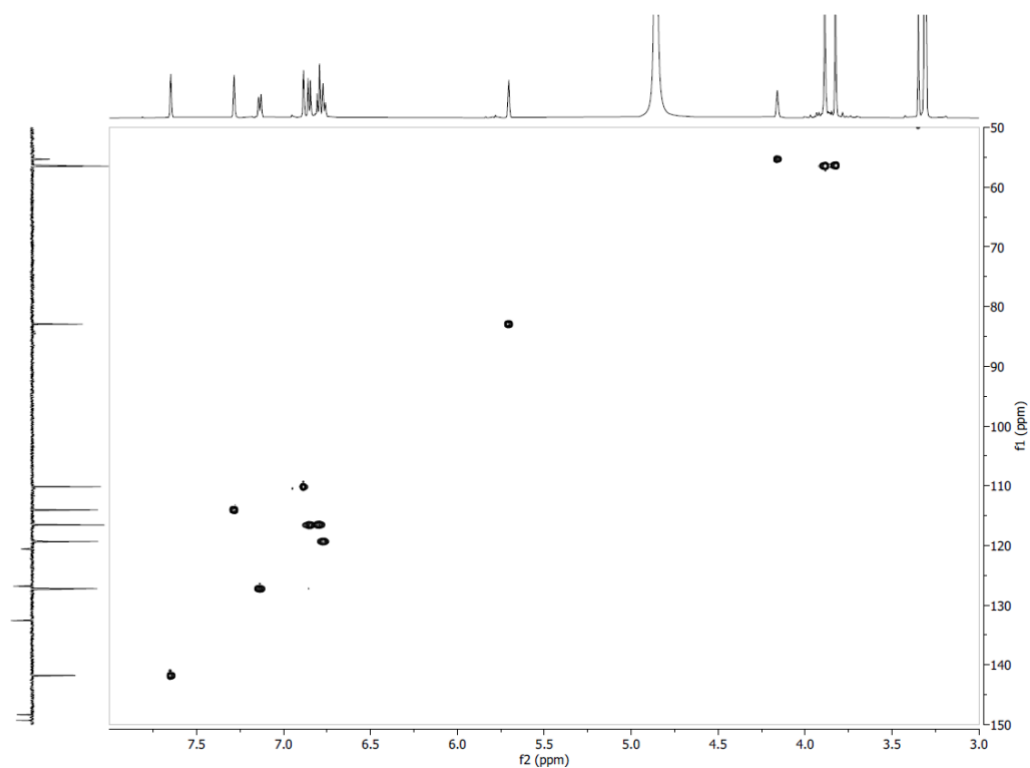
Supplementary Figure 37. ^1H NMR spectrum of compound **7** in DMSO- d_6 at 600 MHz



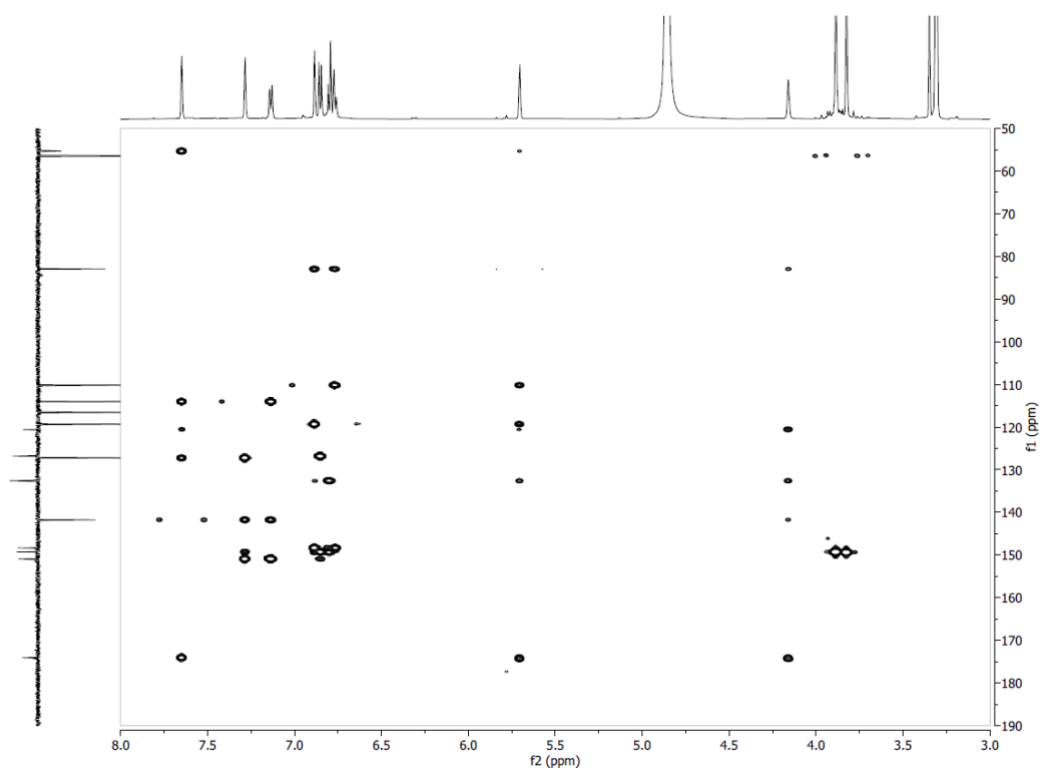
Supplementary Figure 38. COSY NMR spectrum of compound **7** in DMSO- d_6



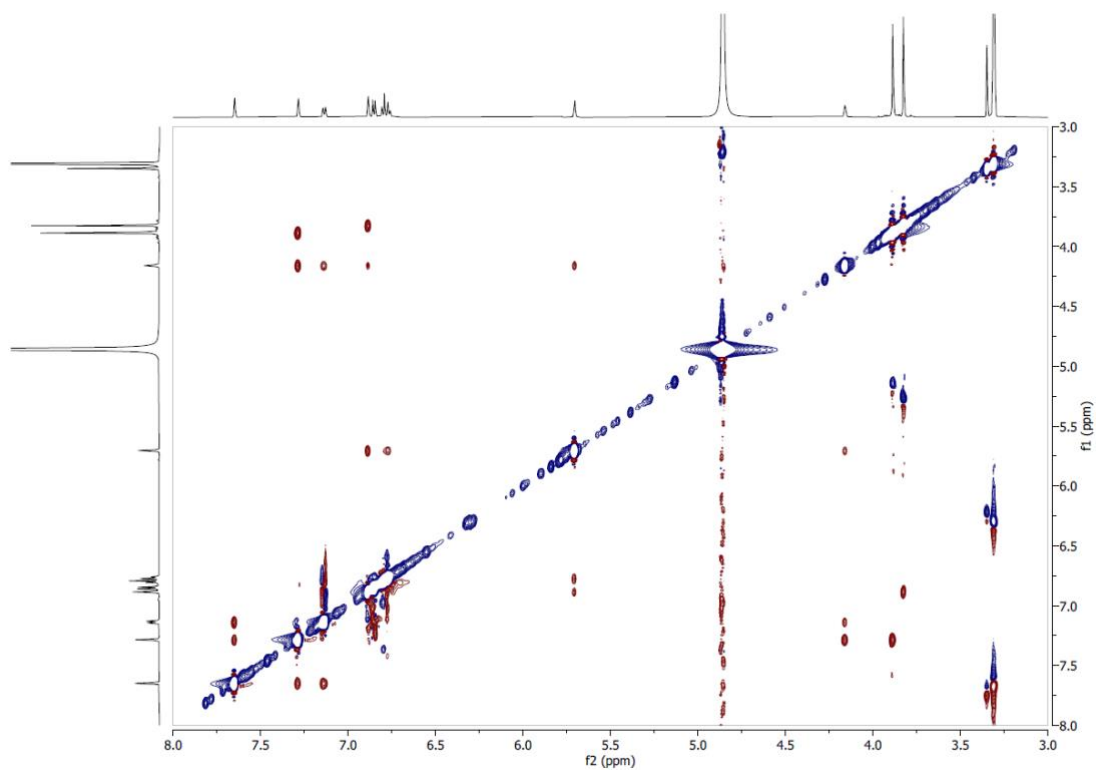
Supplementary Figure 39. ^{13}C NMR spectrum of compound **7** in DMSO- d_6 at 151 MHz



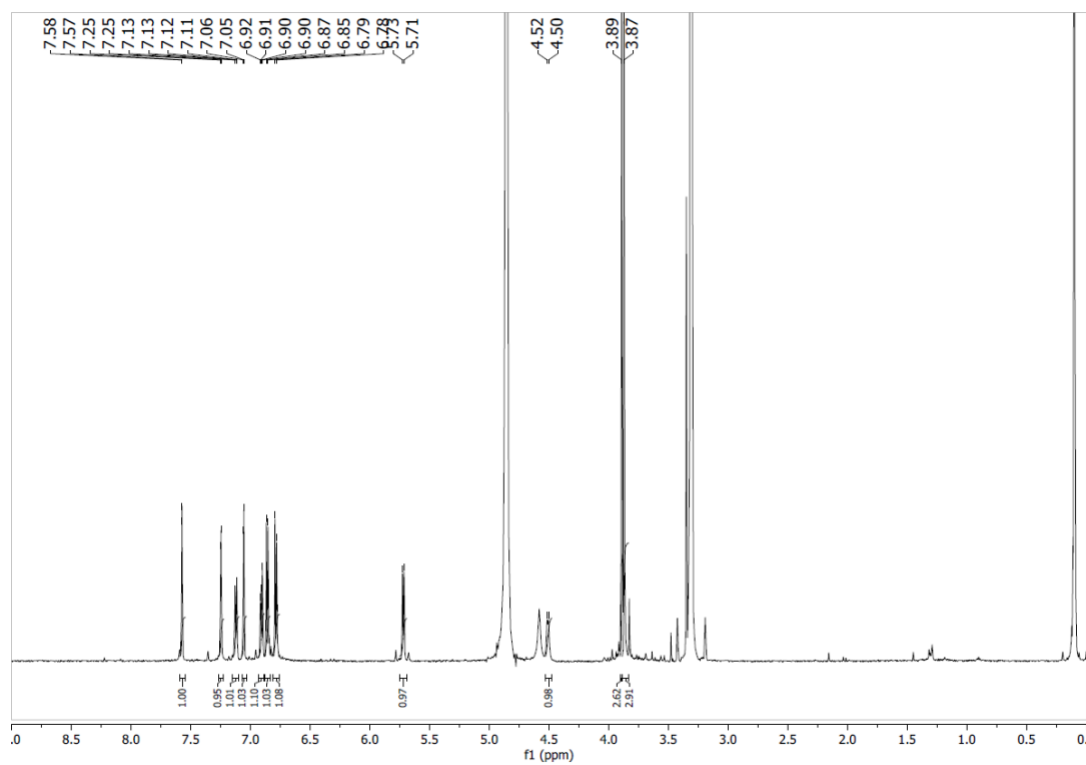
Supplementary Figure 40. Edited-HSQC NMR spectrum of compound **7** in DMSO- d_6



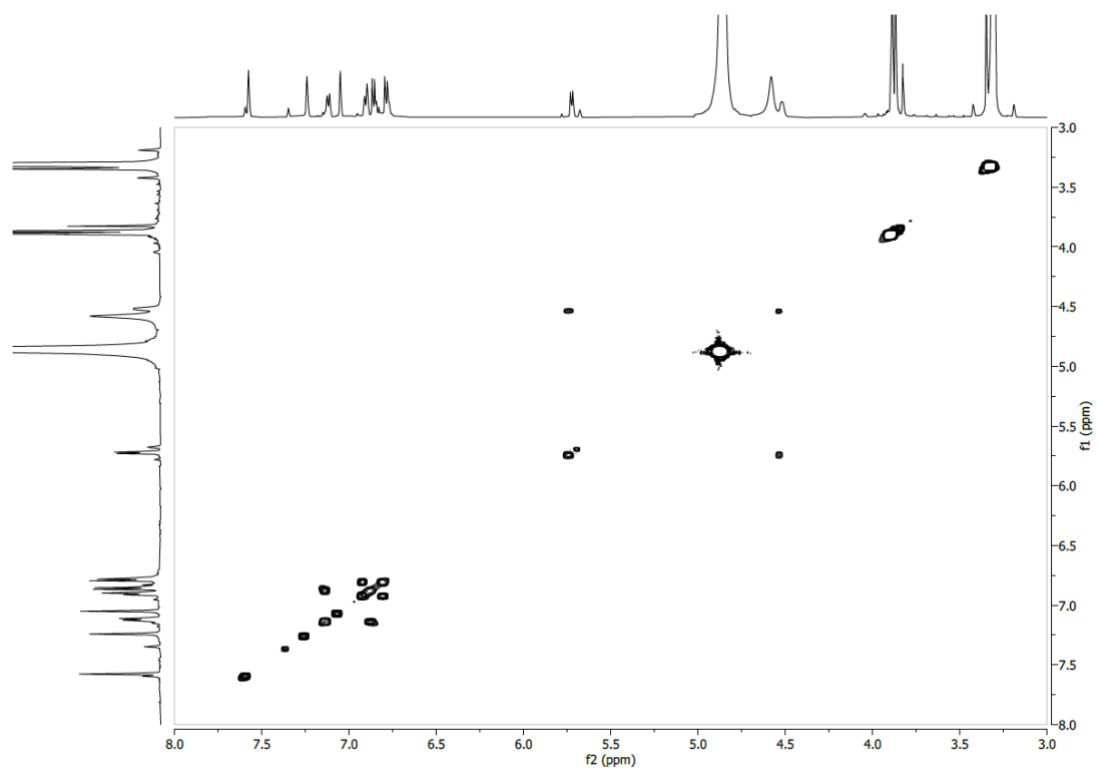
Supplementary Figure 41. HMBC NMR spectrum of compound **7** in DMSO- d_6



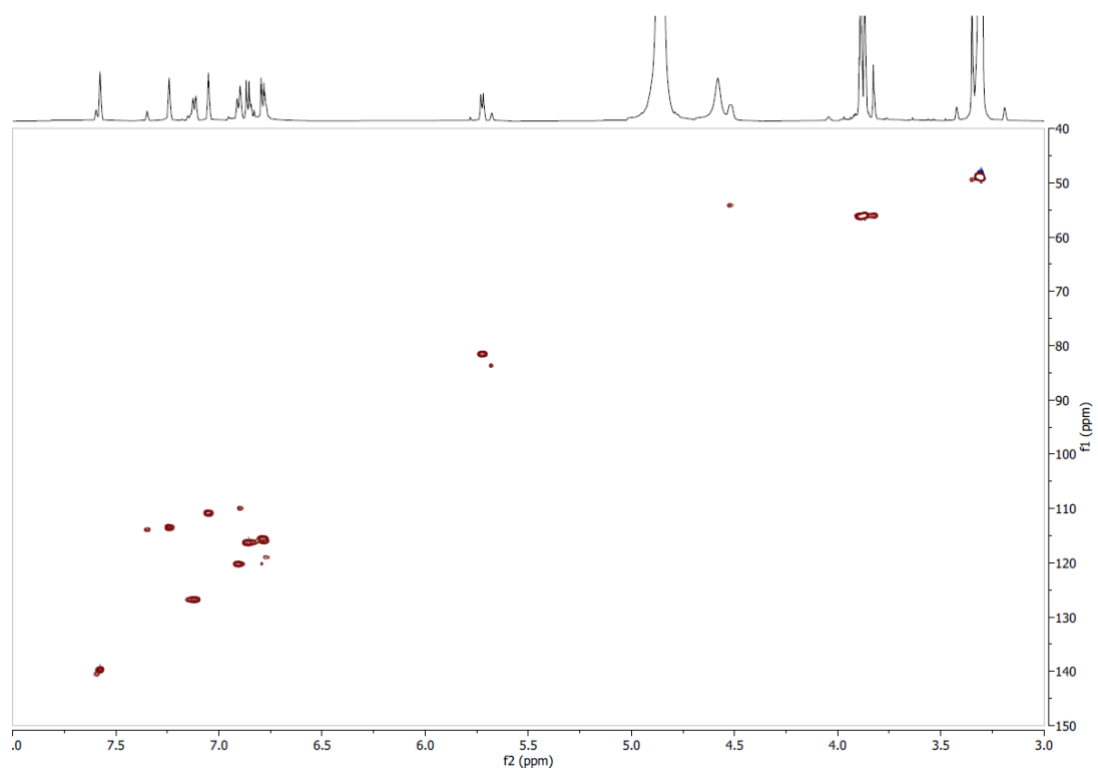
Supplementary Figure 42. ROESY NMR spectrum of compound **7** in DMSO- d_6



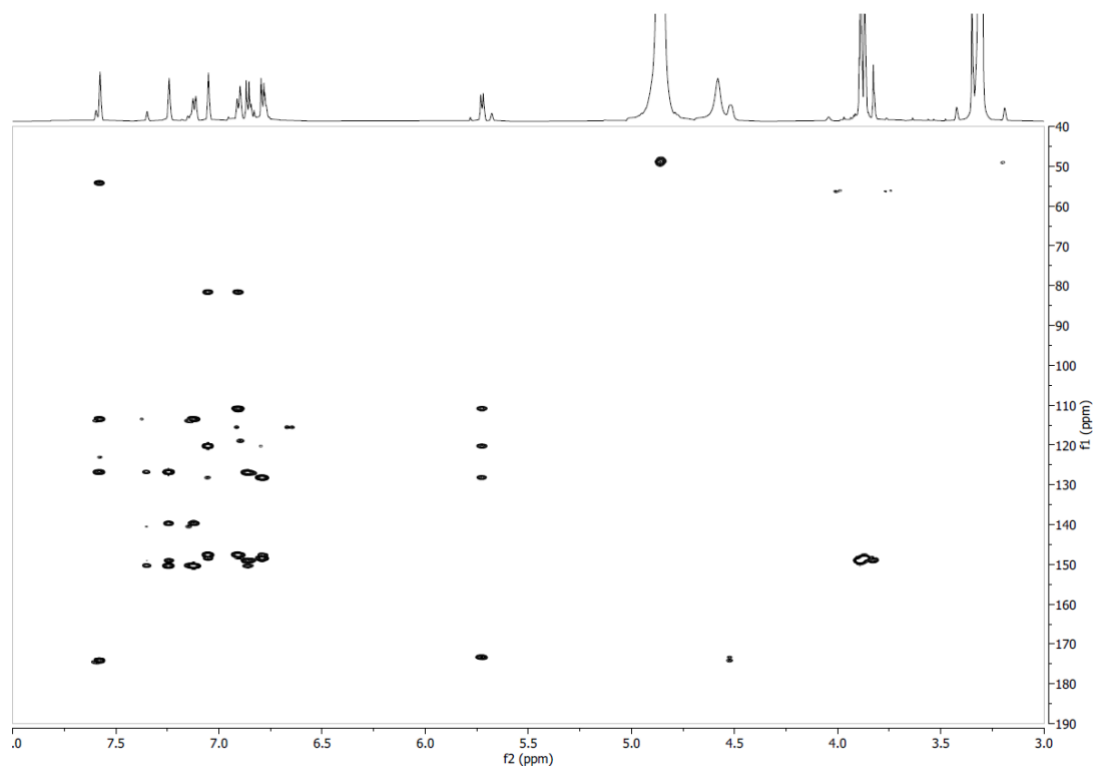
Supplementary Figure 43. ^1H NMR spectrum of compound **8** in DMSO- d_6 at 600 MHz



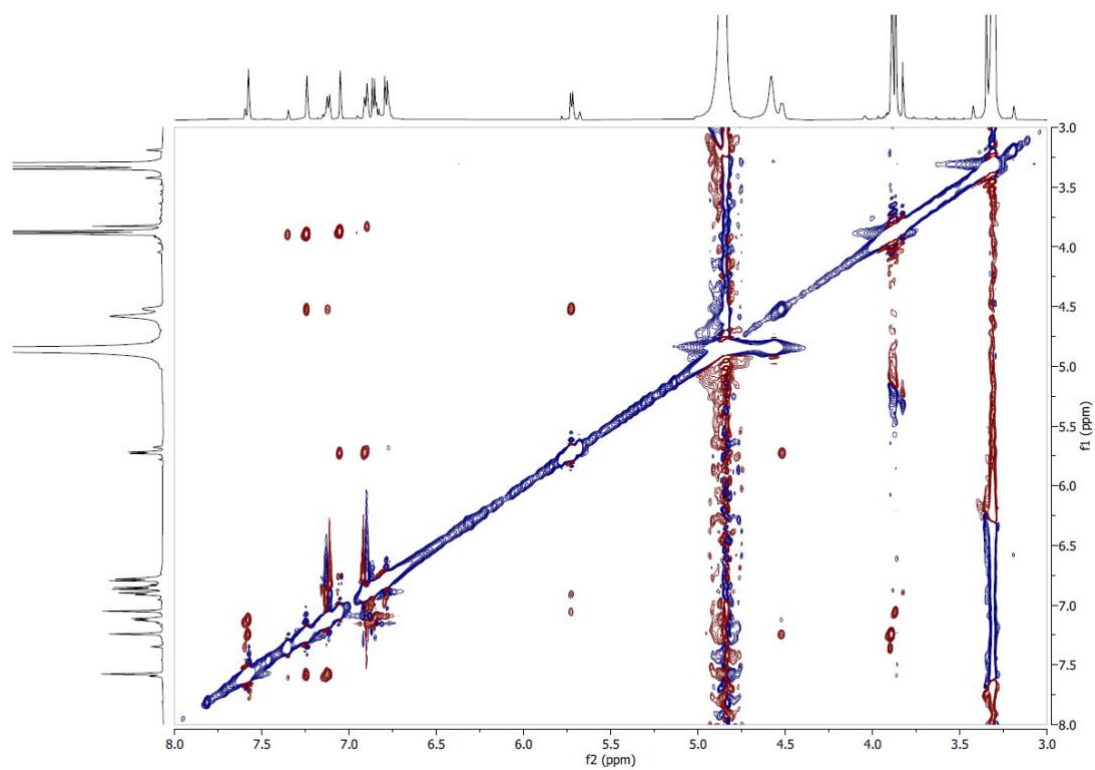
Supplementary Figure 44. COSY NMR spectrum of compound **8** in DMSO- d_6



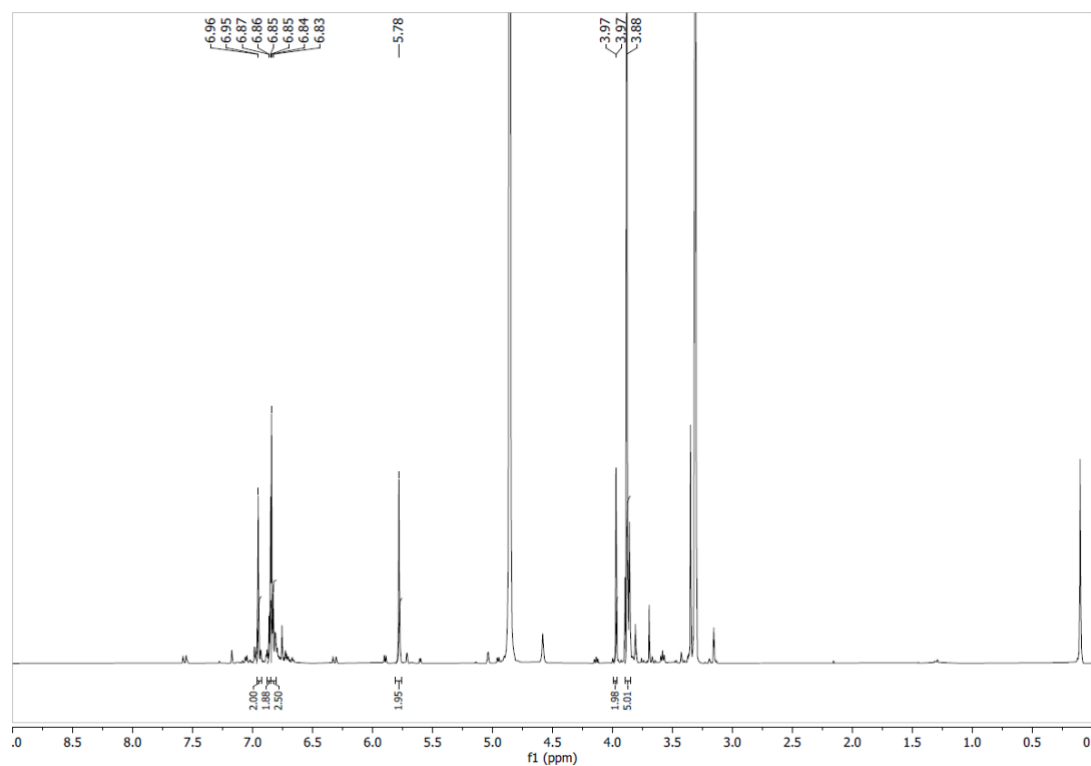
Supplementary Figure 45. Edited-HSQC NMR spectrum of compound **8** in DMSO- d_6



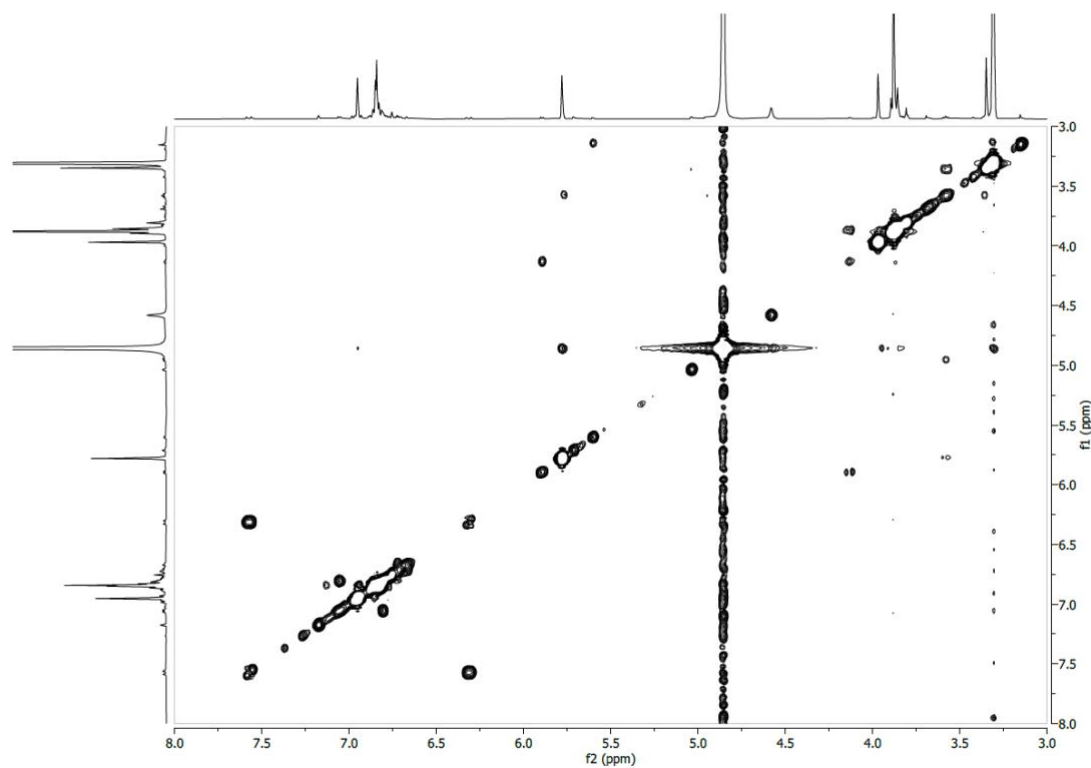
Supplementary Figure 46. HMBC NMR spectrum of compound **8** in DMSO- d_6



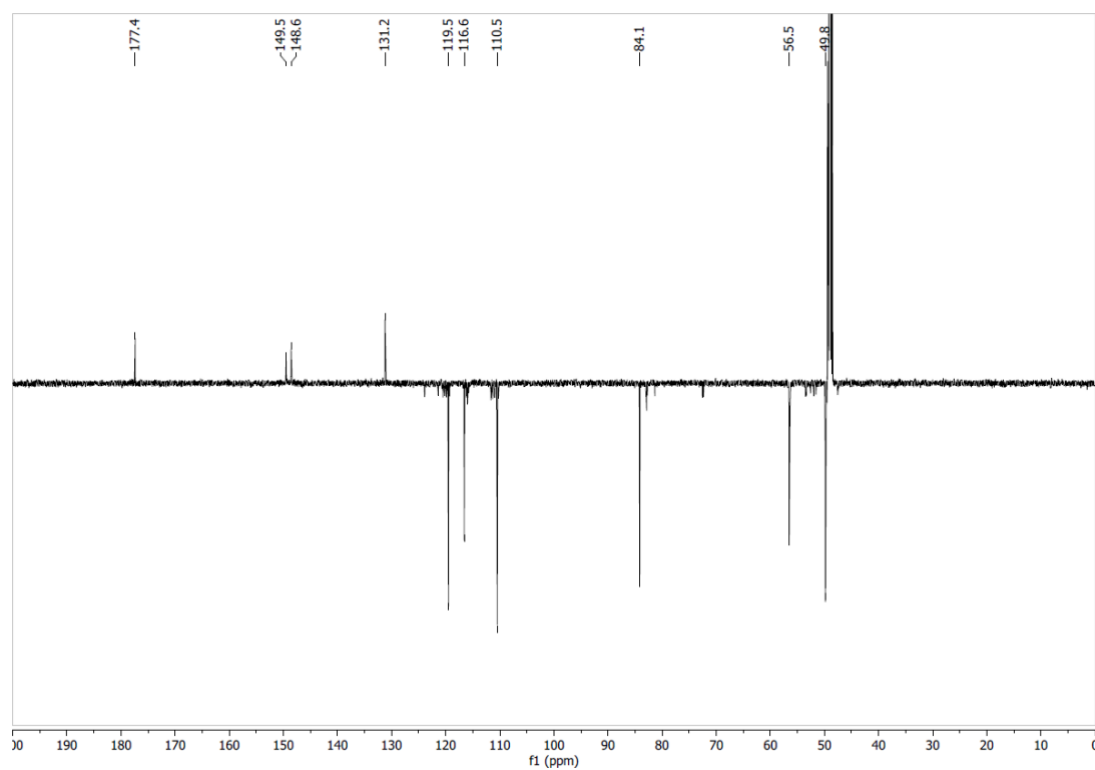
Supplementary Figure 47. ROESY NMR spectrum of compound **8** in DMSO- d_6



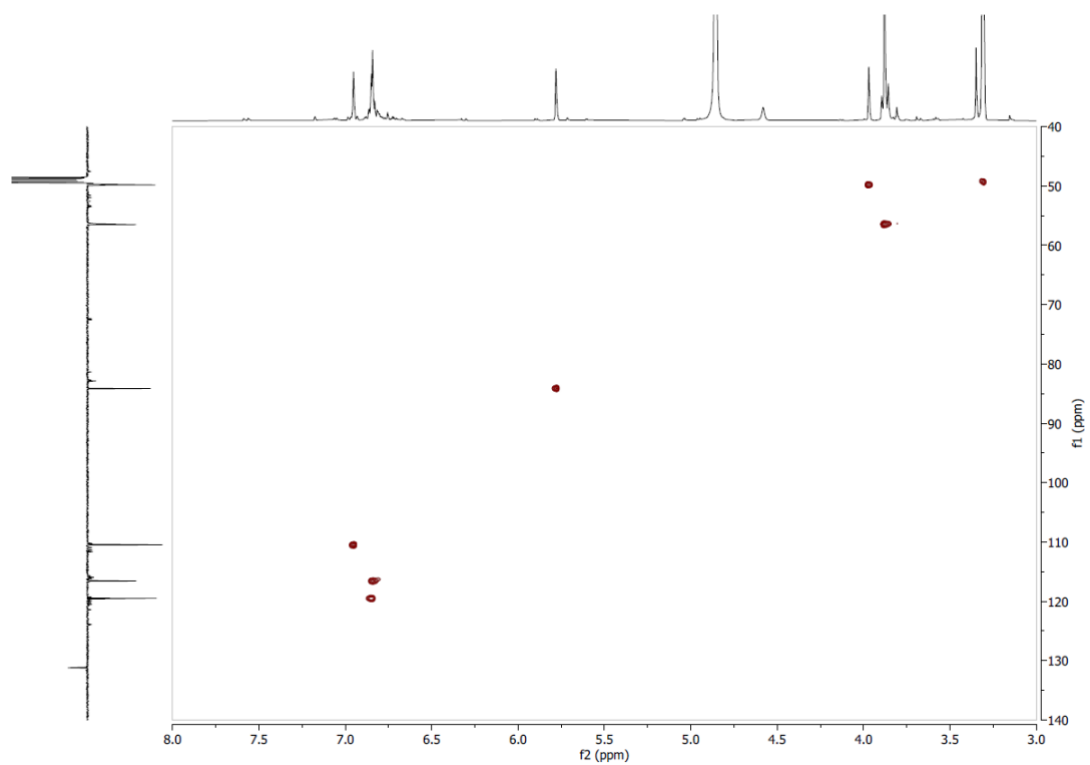
Supplementary Figure 48. ^1H NMR spectrum of compound **9** in $\text{DMSO-}d_6$ at 600 MHz



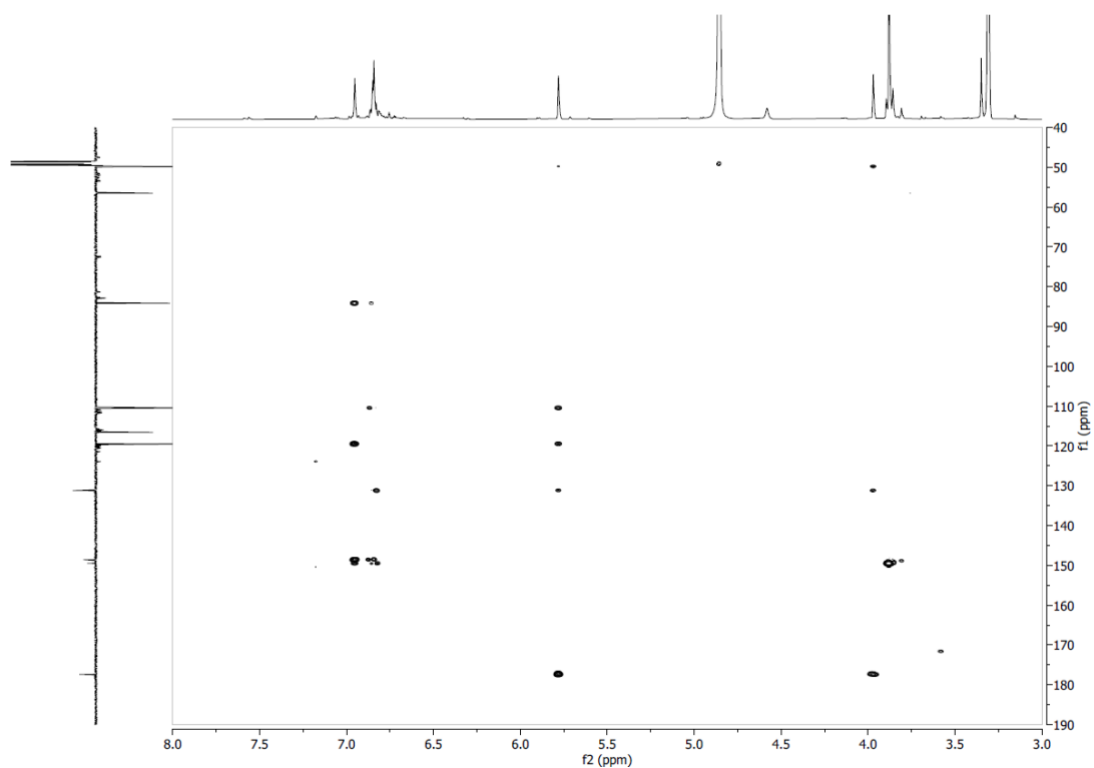
Supplementary Figure 49. COSY NMR spectrum of compound **9** in $\text{DMSO-}d_6$



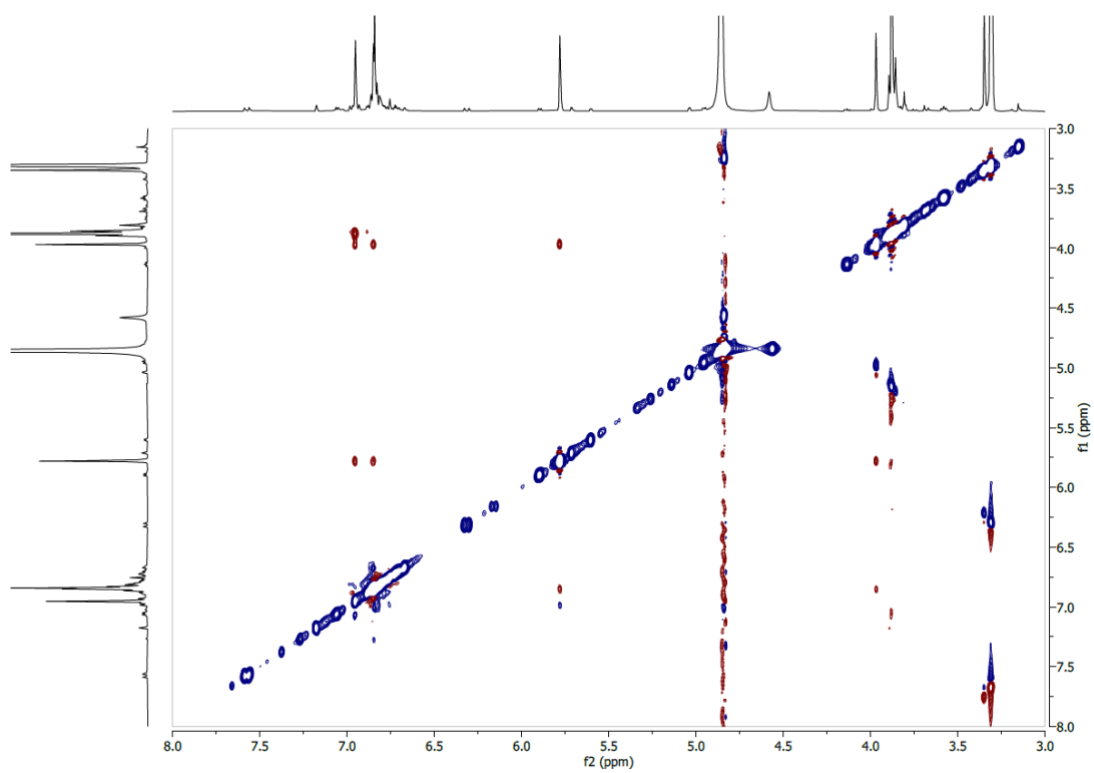
Supplementary Figure 50. ^{13}C -DEPTQ NMR spectrum of compound **9** in $\text{DMSO-}d_6$ at 151 MHz



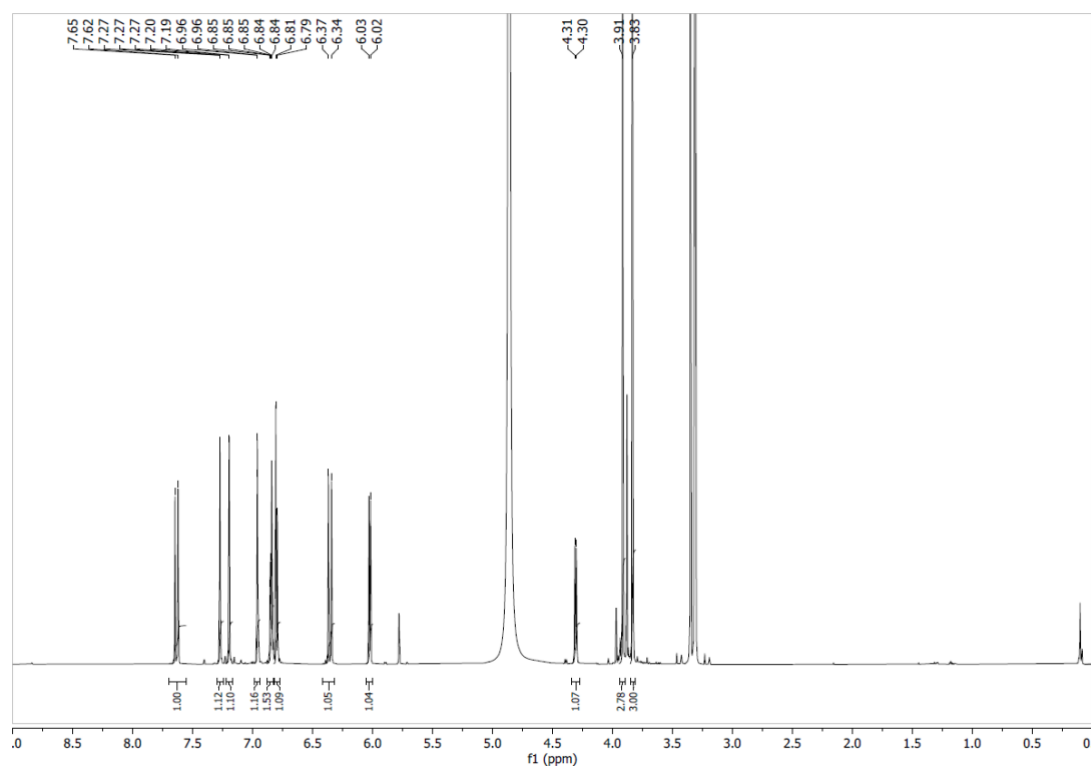
Supplementary Figure 51. Edited-HSQC NMR spectrum of compound **9** in $\text{DMSO-}d_6$



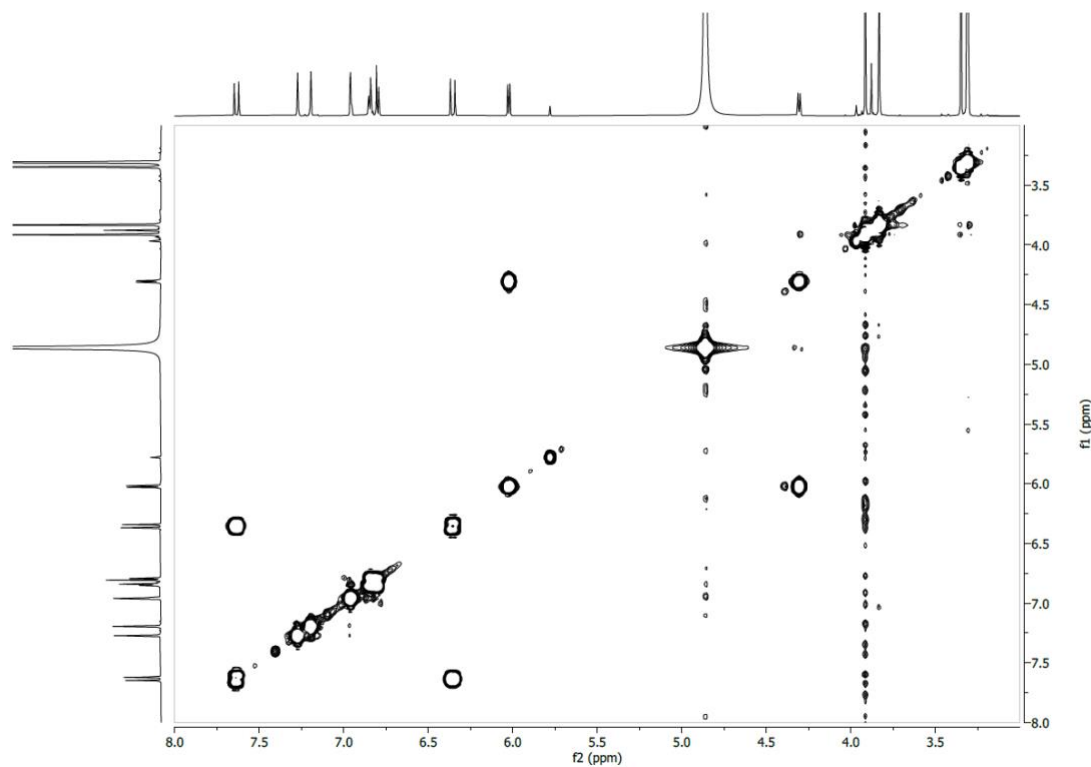
Supplementary Figure 52. HMBC NMR spectrum of compound **9** in DMSO- d_6



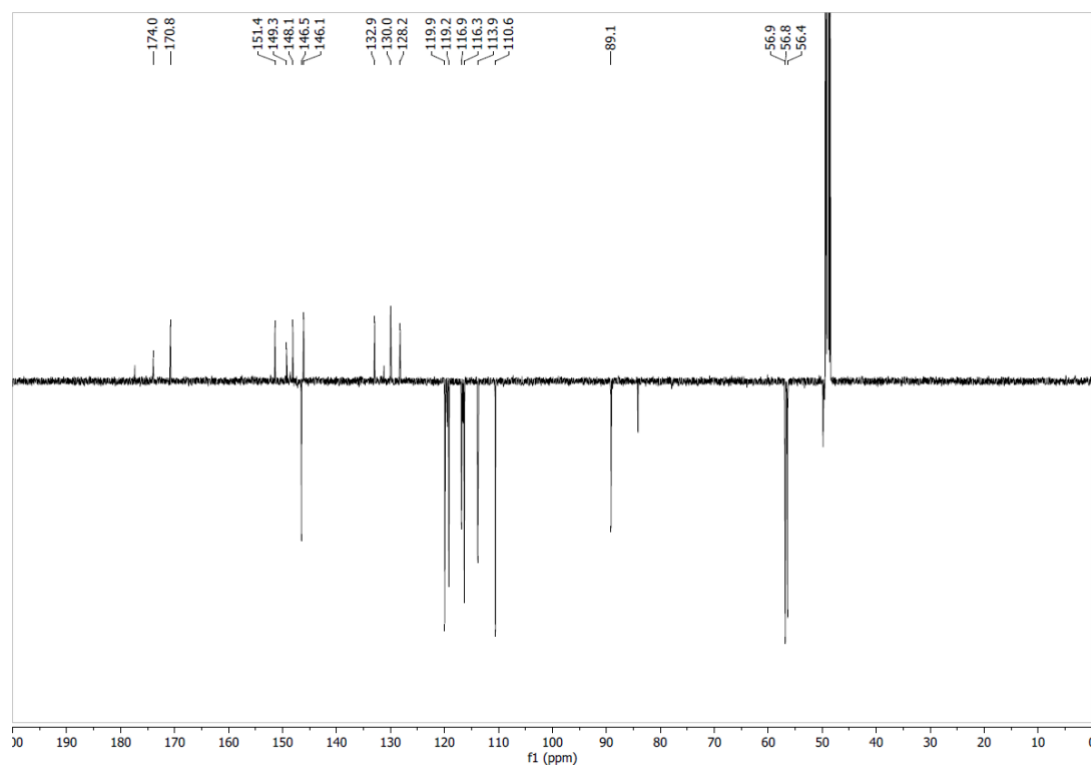
Supplementary Figure 53. ROESY NMR spectrum of compound **9** in DMSO- d_6



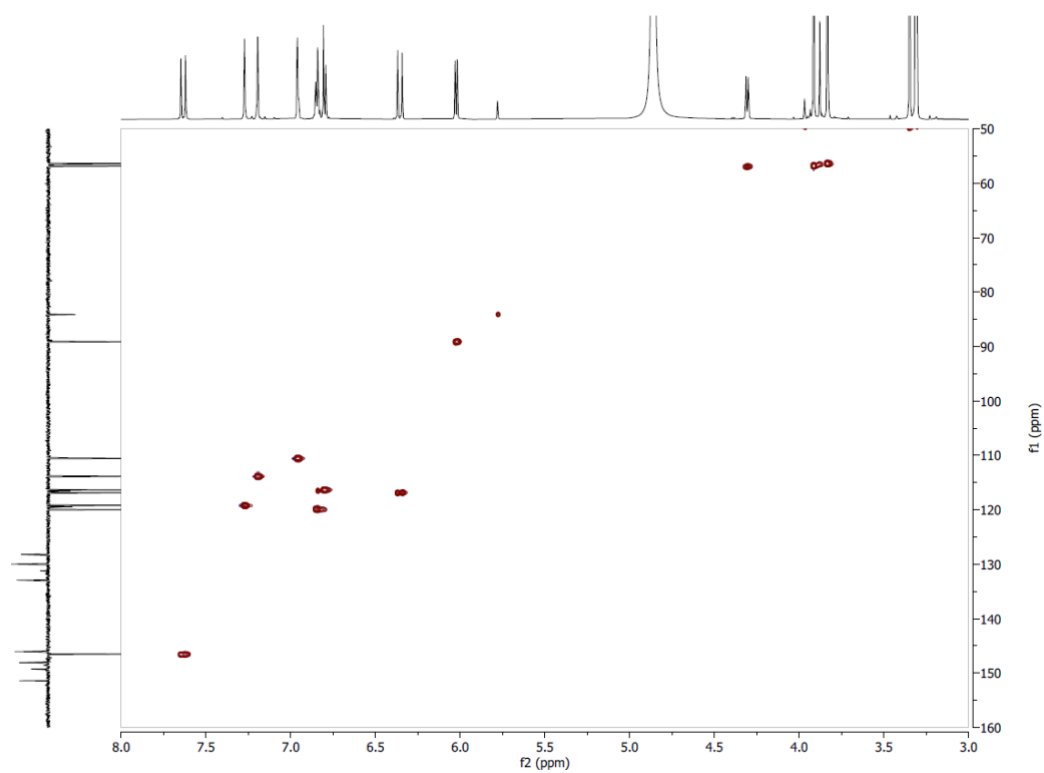
Supplementary Figure 54. ¹H NMR spectrum of compound **10** in DMSO-*d*₆ at 600 MHz



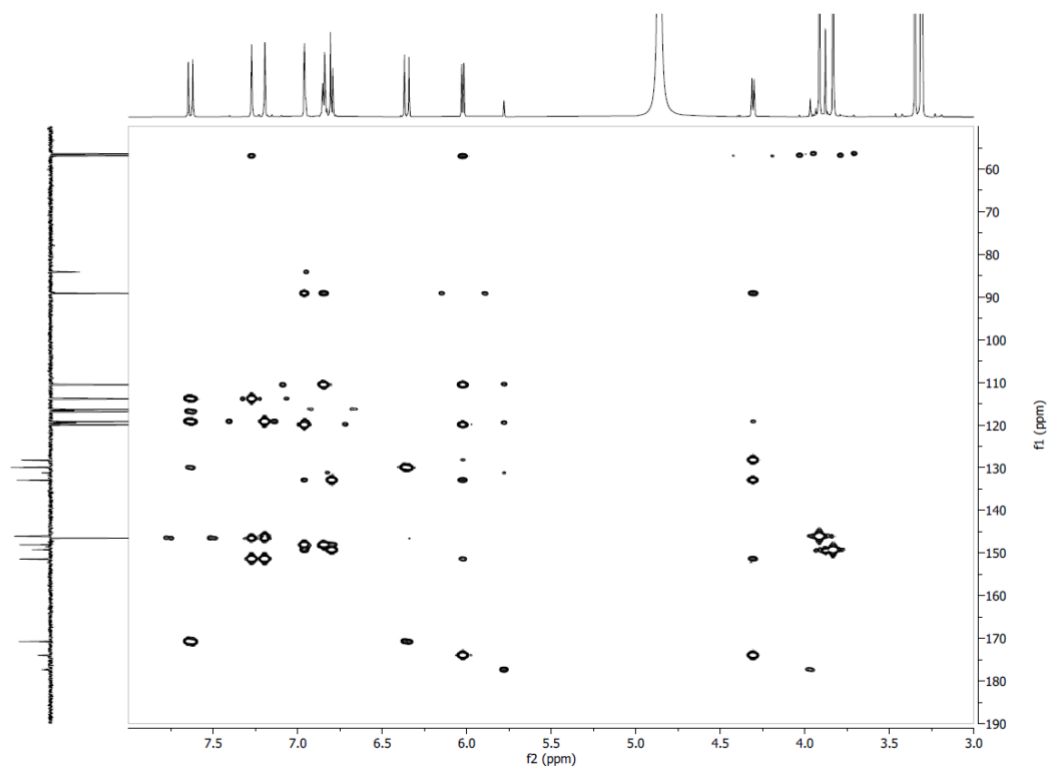
Supplementary Figure 55. COSY NMR spectrum of compound **10** in DMSO-*d*₆



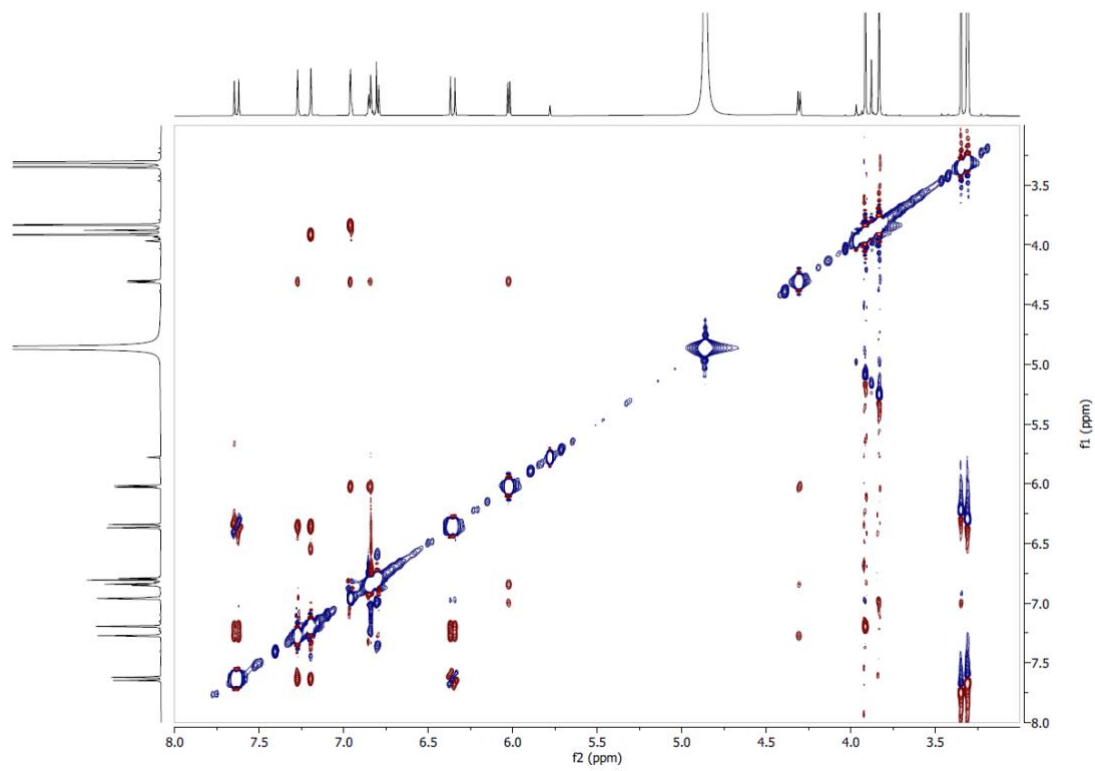
Supplementary Figure 56. ^{13}C -DEPTQ NMR spectrum of compound **10** in $\text{DMSO-}d_6$ at 151 MHz



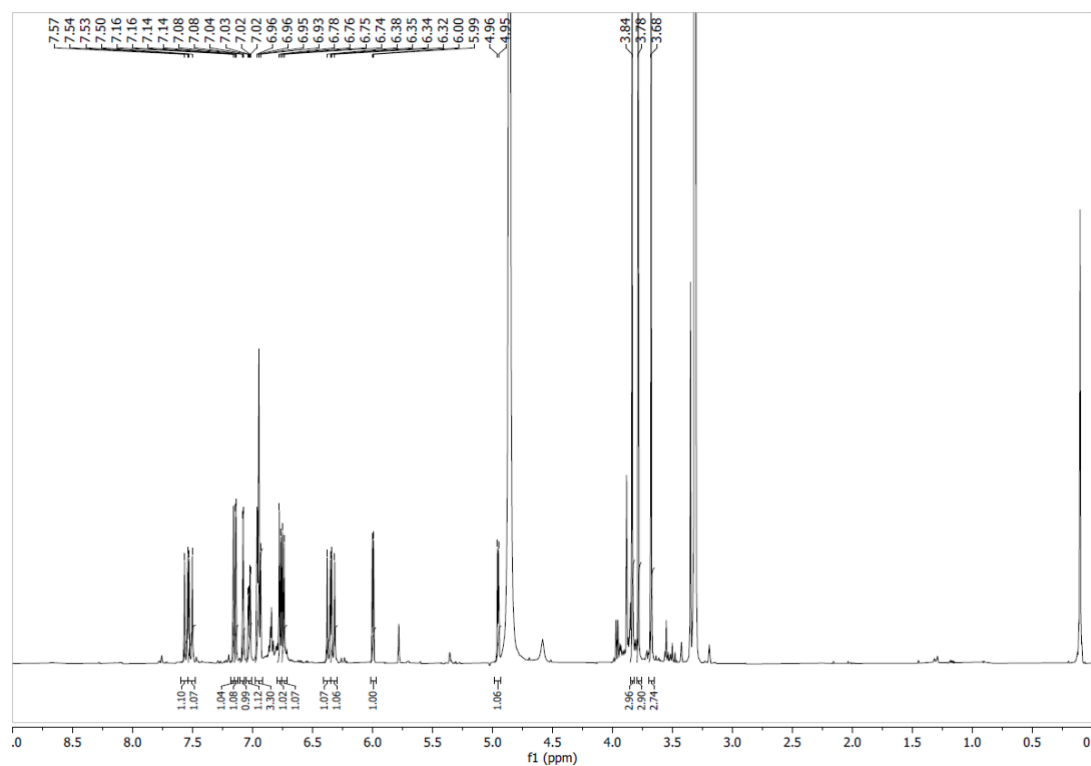
Supplementary Figure 57. Edited-HSQC NMR spectrum of compound **10** in $\text{DMSO-}d_6$



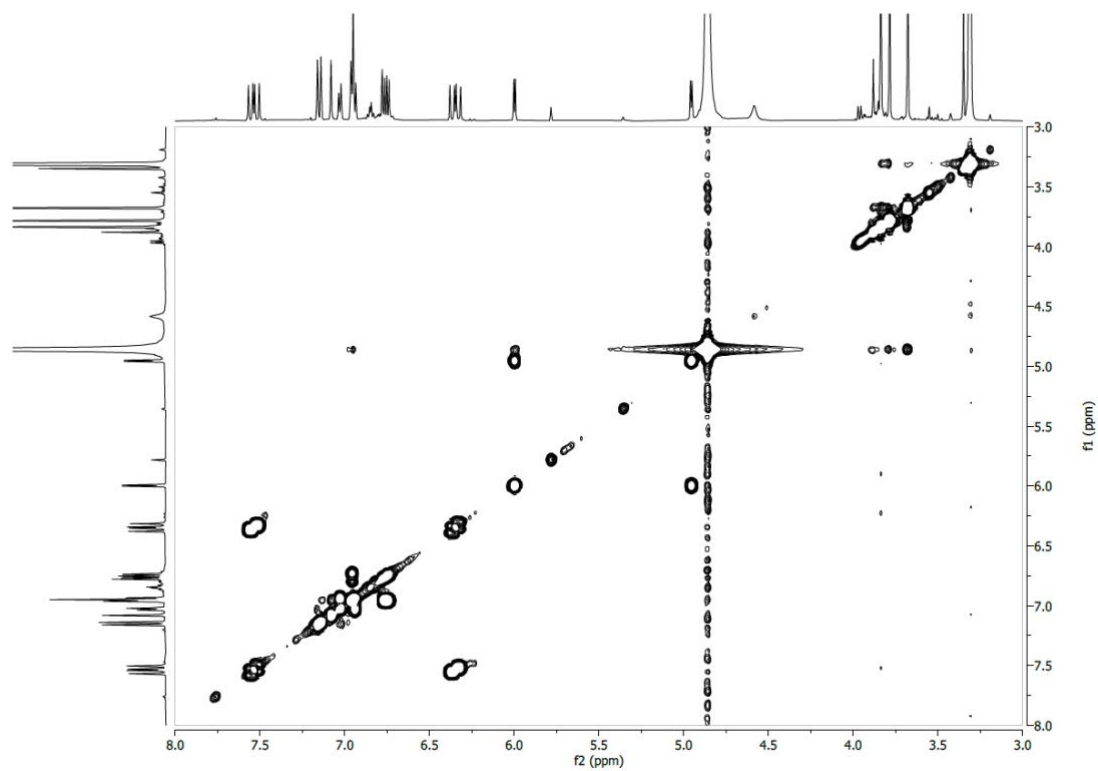
Supplementary Figure 58. HMBC NMR spectrum of compound **10** in DMSO- d_6



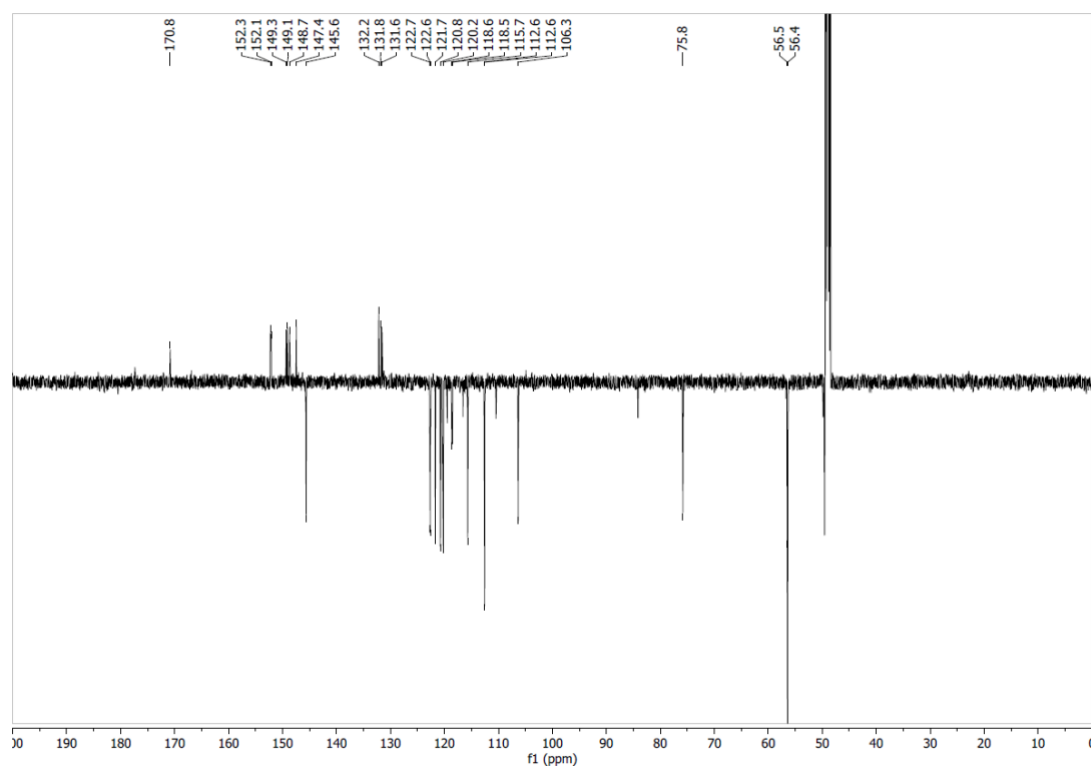
Supplementary Figure 59. ROESY NMR spectrum of compound **10** in DMSO- d_6



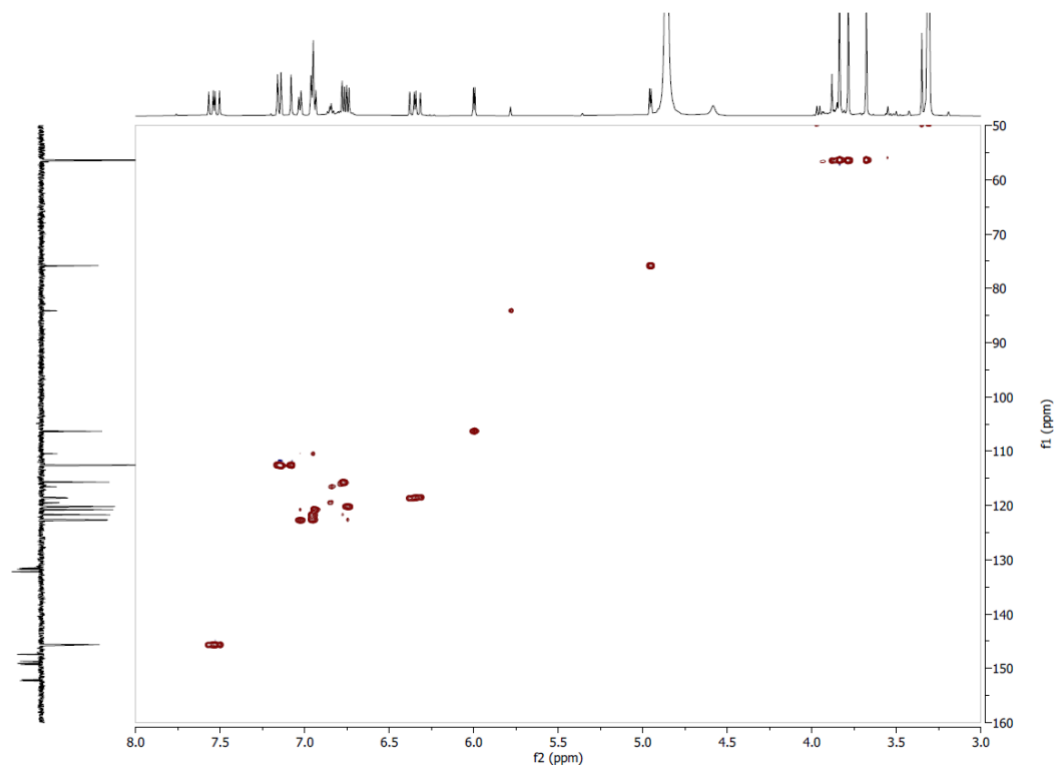
Supplementary Figure 60. ^1H NMR spectrum of compound **11** in $\text{DMSO-}d_6$ at 600 MHz



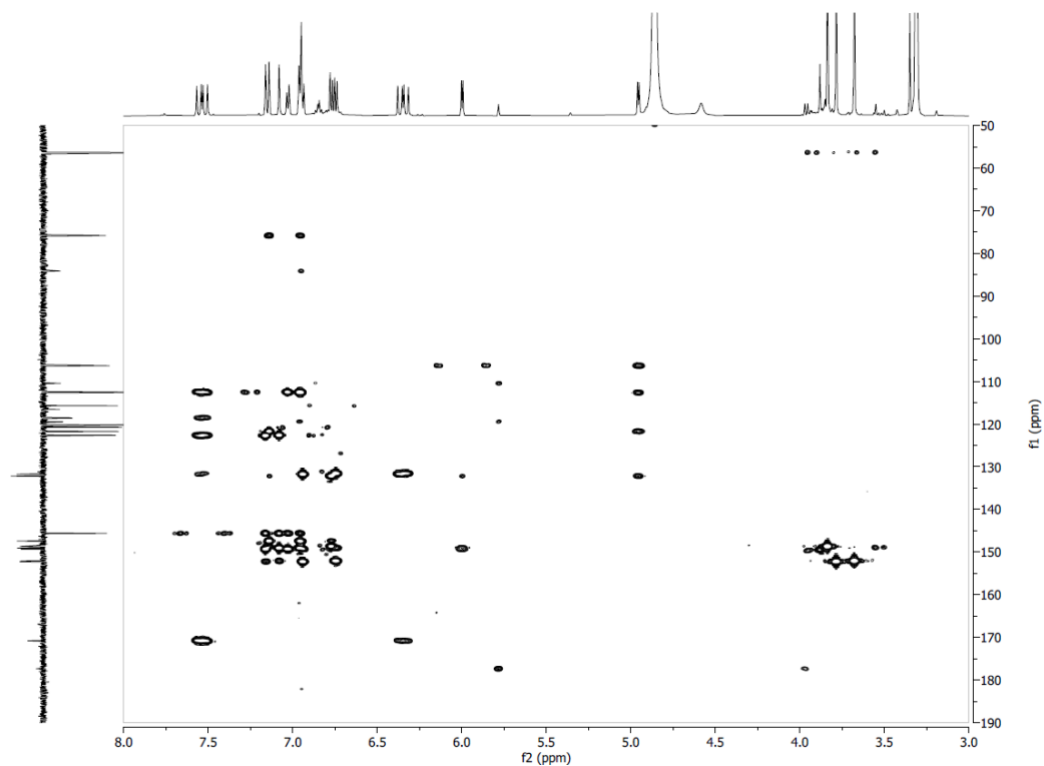
Supplementary Figure 61. COSY NMR spectrum of compound **11** in $\text{DMSO-}d_6$



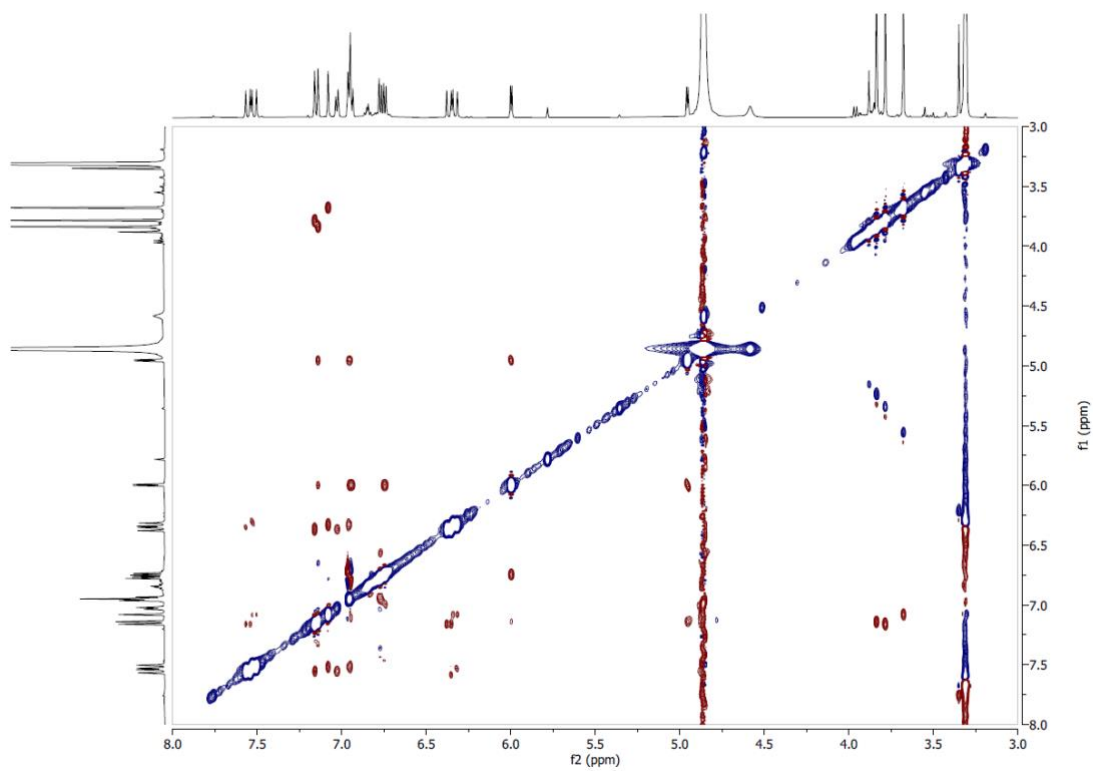
Supplementary Figure 62. ^{13}C -DEPTQ NMR spectrum of compound **11** in $\text{DMSO}-d_6$ at 151 MHz



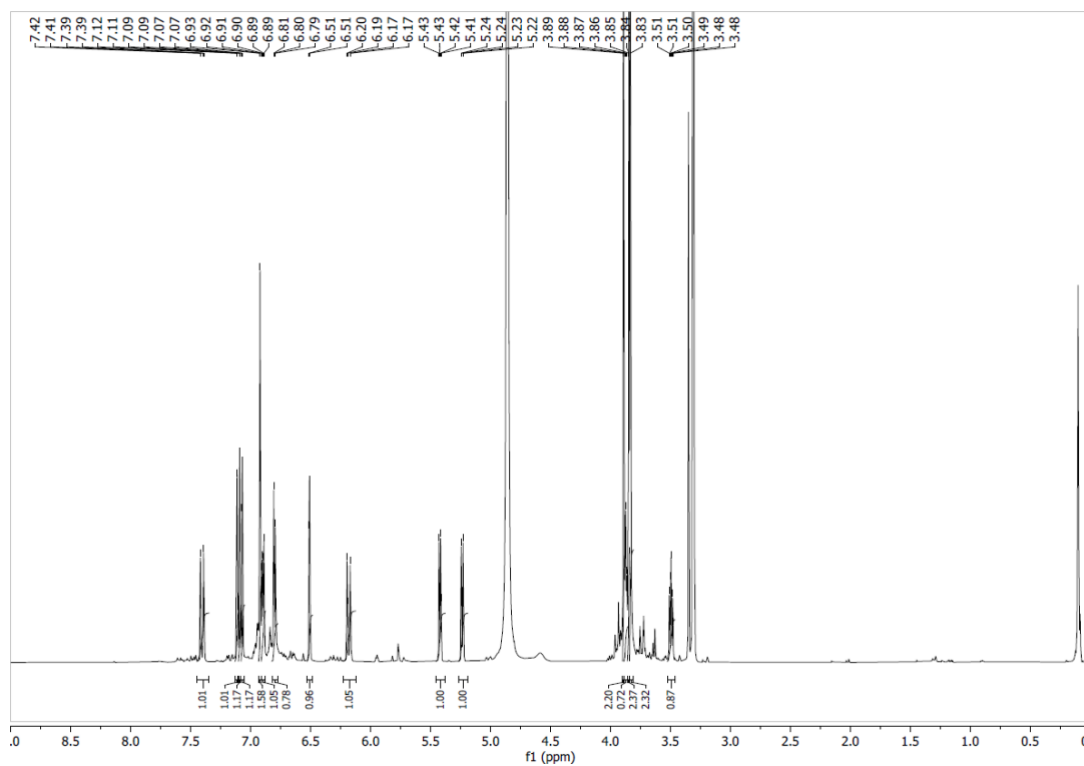
Supplementary Figure 63. Edited-HSQC NMR spectrum of compound **11** in $\text{DMSO}-d_6$



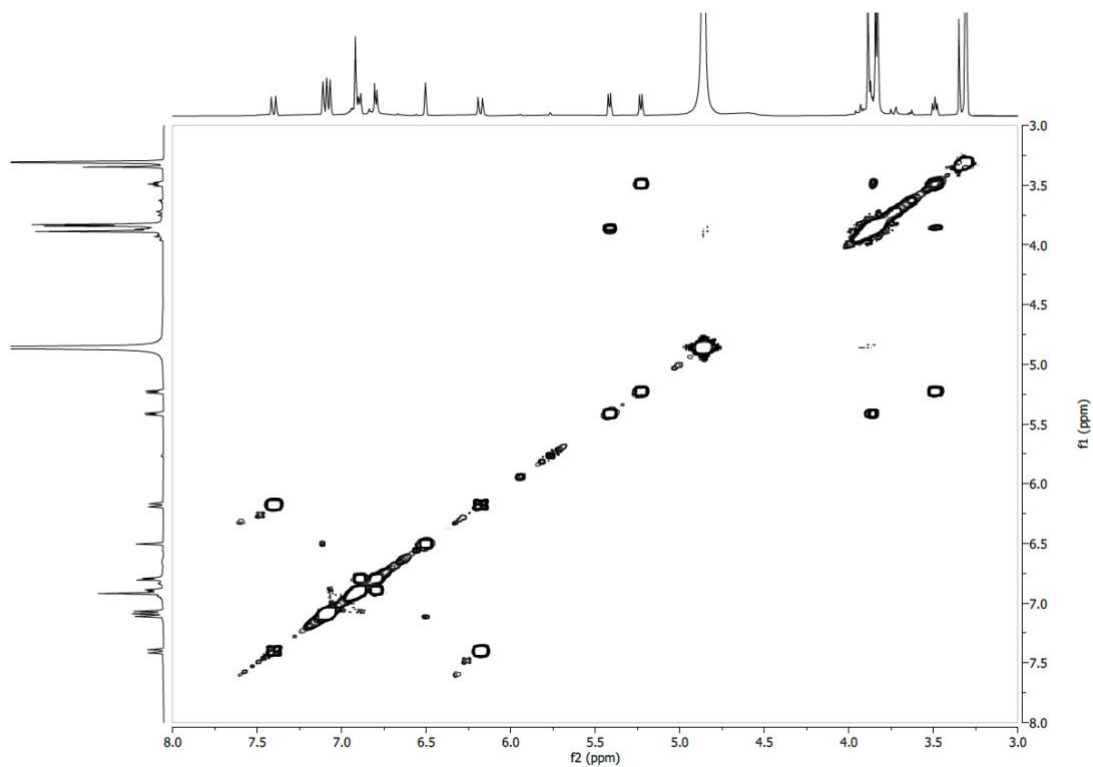
Supplementary Figure 64. HMBC NMR spectrum of compound **11** in DMSO-*d*₆



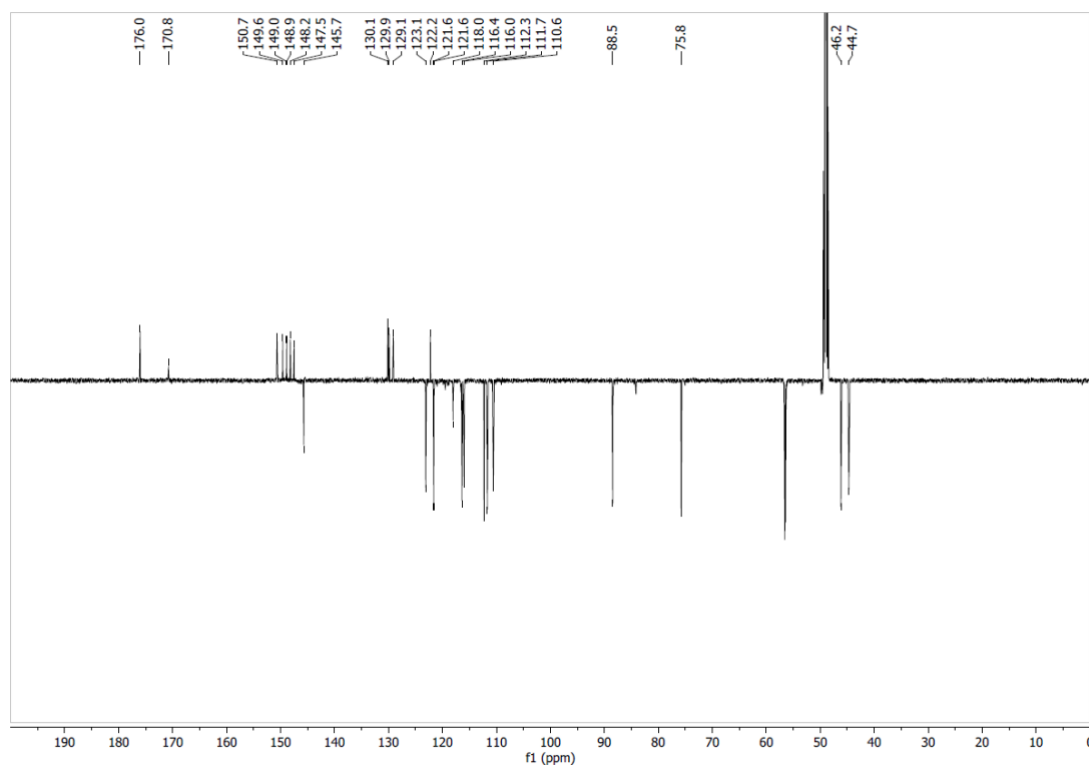
Supplementary Figure 65. ROESY NMR spectrum of compound **11** in DMSO-*d*₆



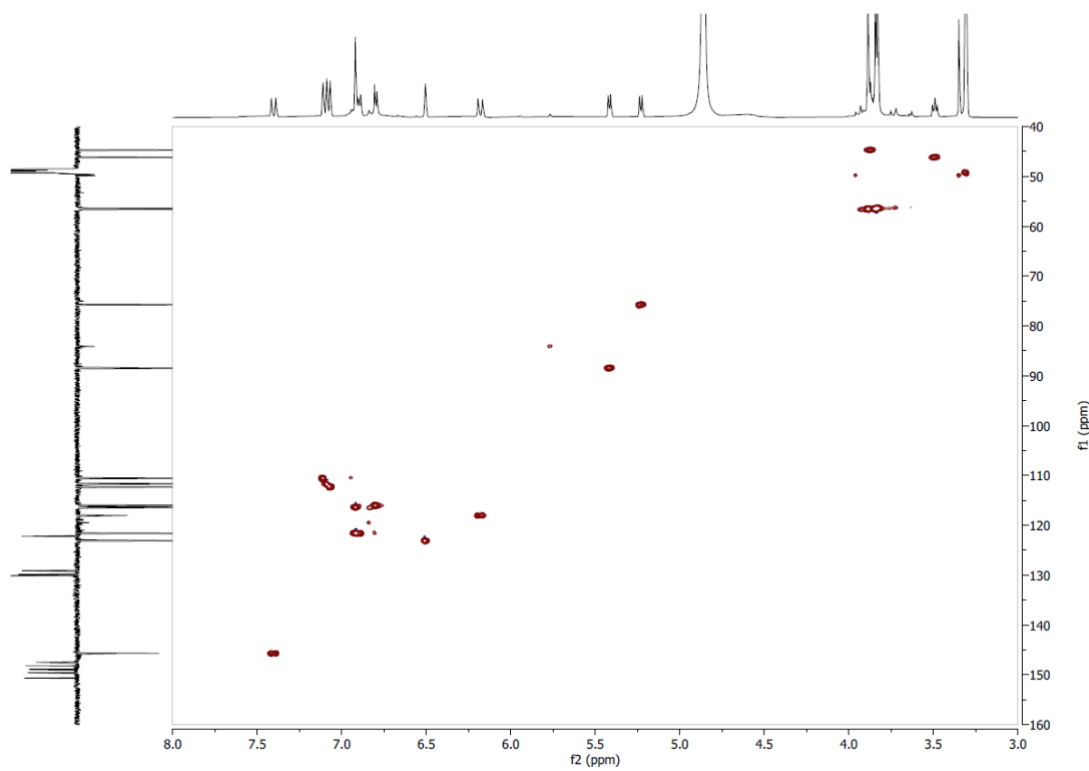
Supplementary Figure 66. ¹H NMR spectrum of compound **12** in DMSO-*d*₆ at 600 MHz



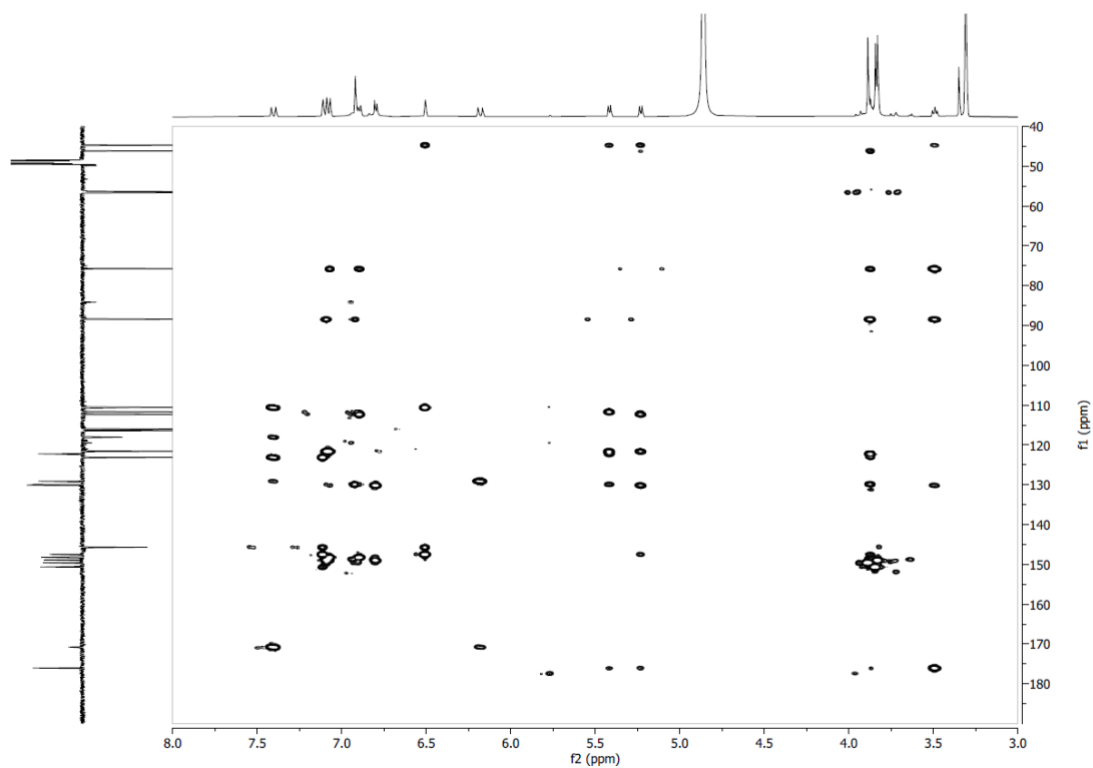
Supplementary Figure 67. COSY NMR spectrum of compound **12** in DMSO-*d*₆



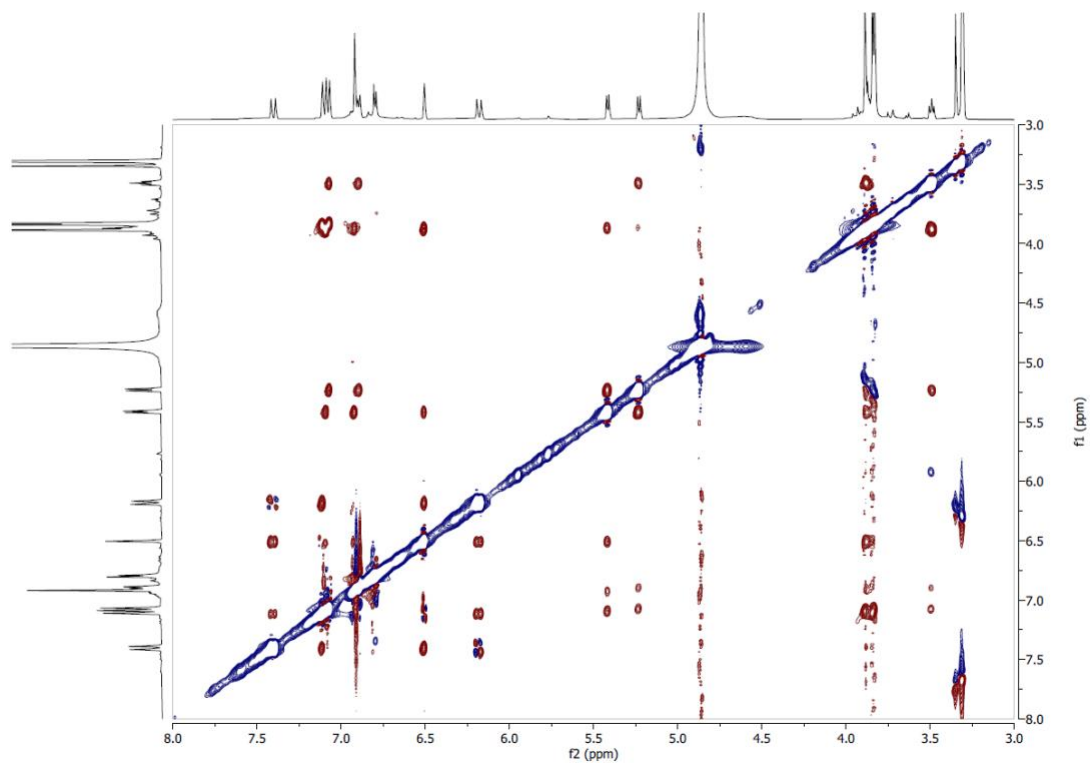
Supplementary Figure 68. ^{13}C -DEPTQ NMR spectrum of compound **12** in $\text{DMSO-}d_6$ at 151 MHz



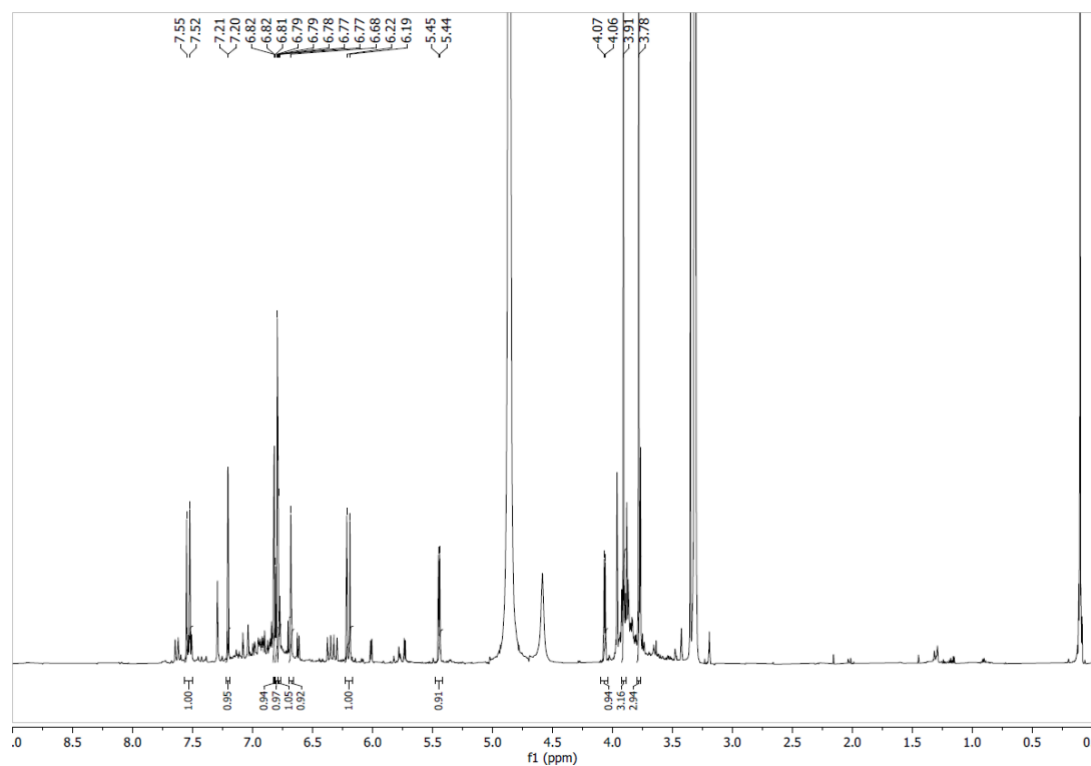
Supplementary Figure 69. Edited-HSQC NMR spectrum of compound **12** in $\text{DMSO-}d_6$



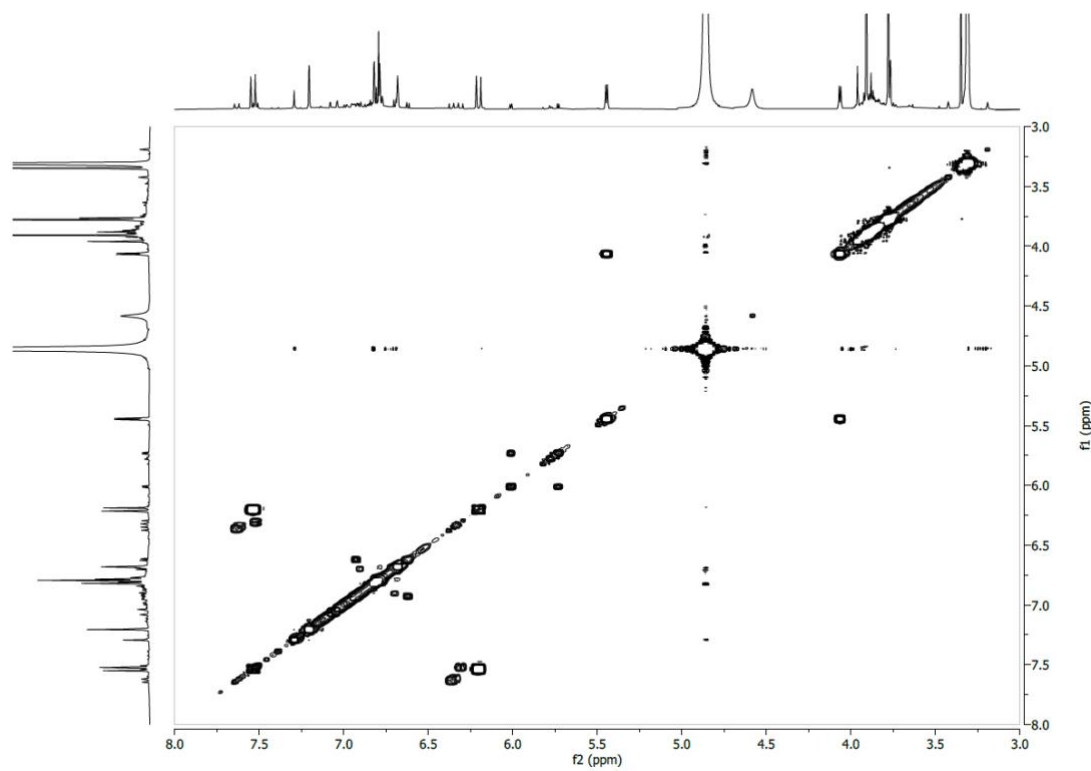
Supplementary Figure 70. HMBC NMR spectrum of compound **12** in DMSO- d_6



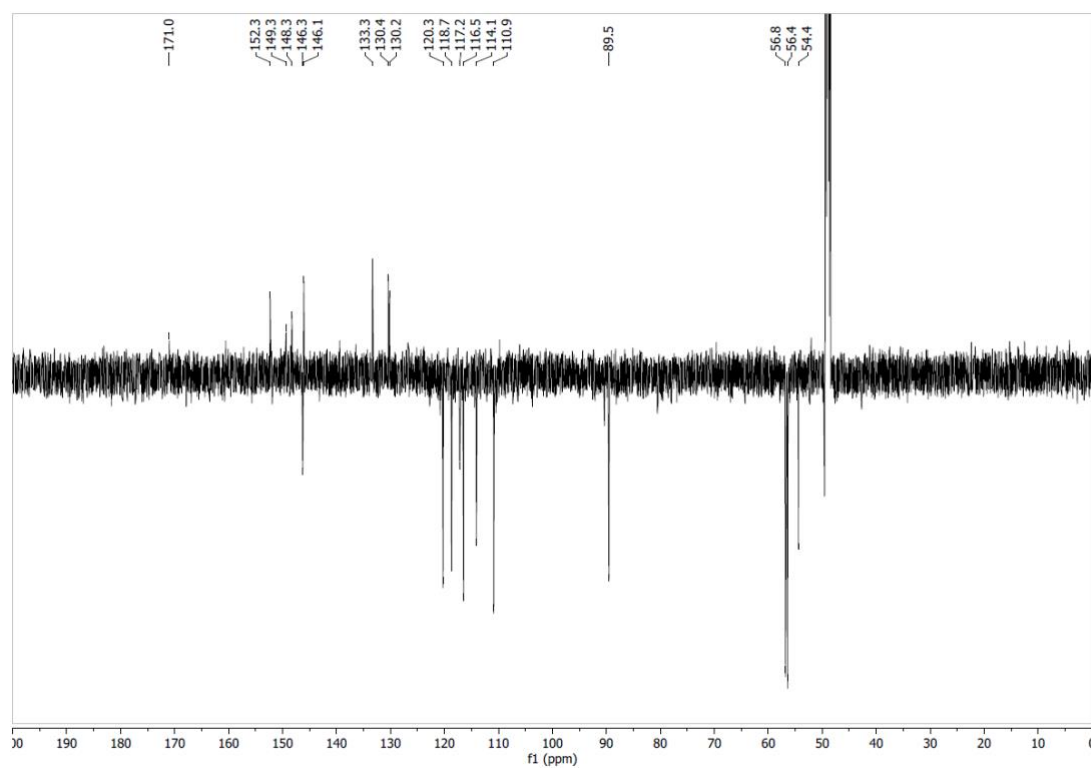
Supplementary Figure 71. ROESY NMR spectrum of compound **12** in DMSO- d_6



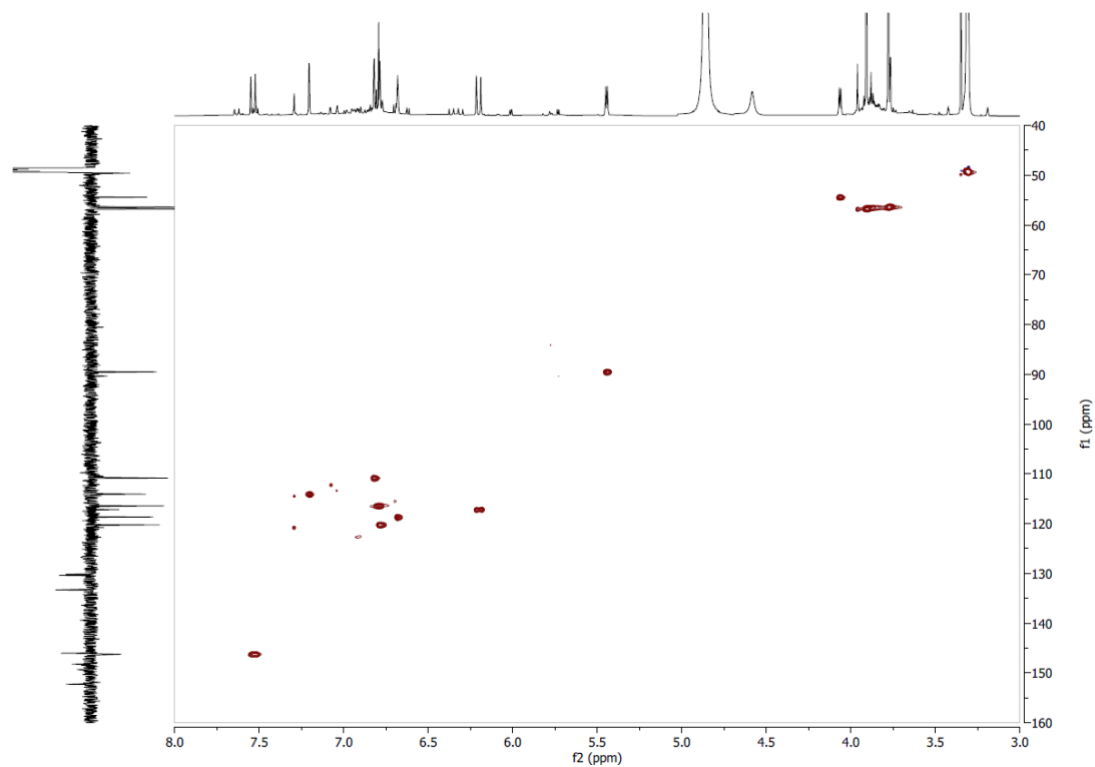
Supplementary Figure 72. ^1H NMR spectrum of compound **13** in $\text{DMSO-}d_6$ at 600 MHz



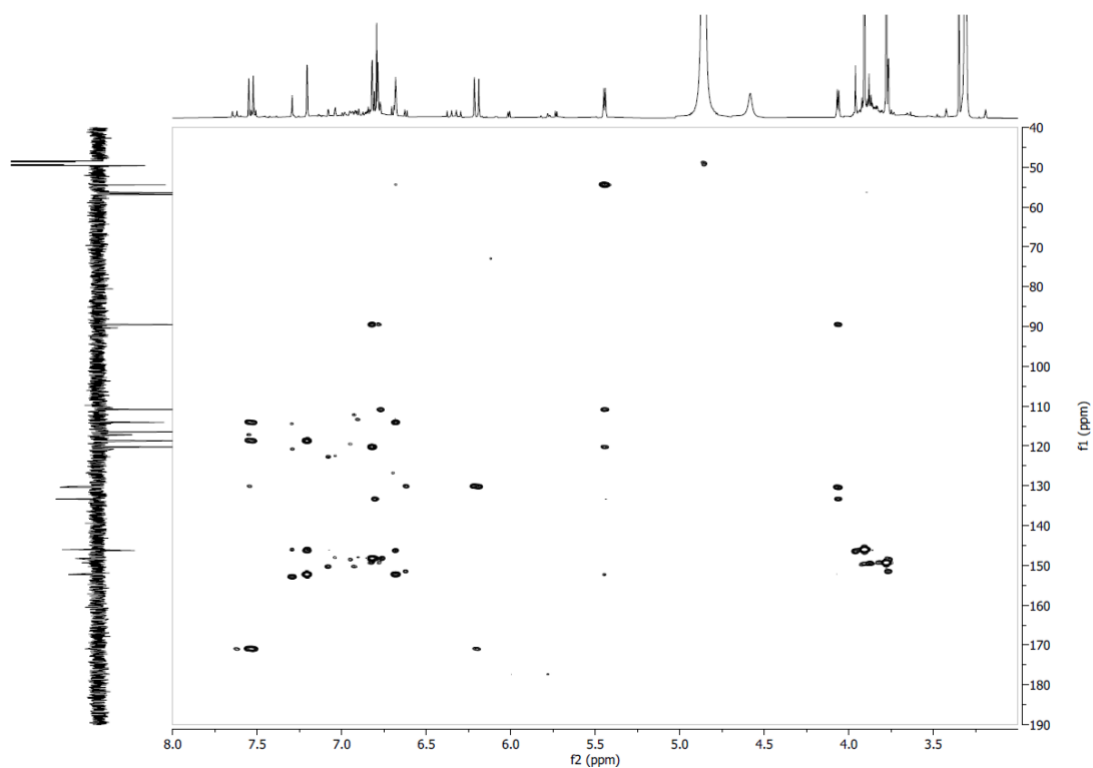
Supplementary Figure 73. COSY NMR spectrum of compound **13** in $\text{DMSO-}d_6$



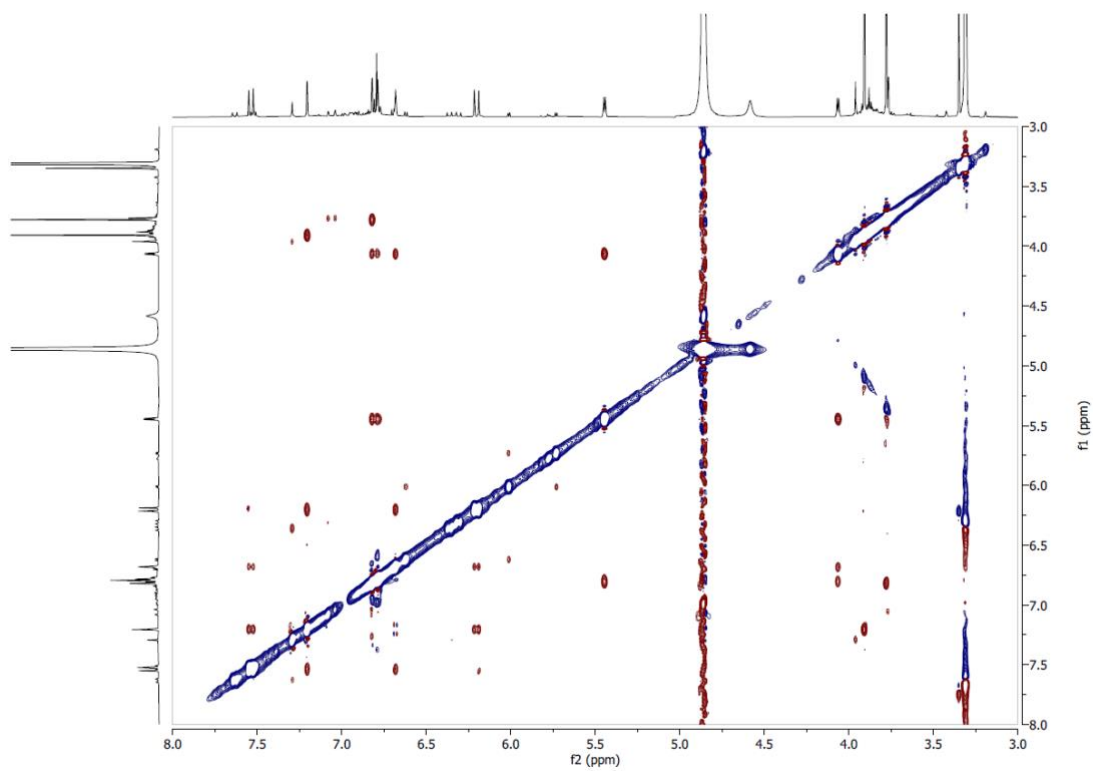
Supplementary Figure 74. ^{13}C -DEPTQ NMR spectrum of compound **13** in $\text{DMSO}-d_6$ at 151 MHz



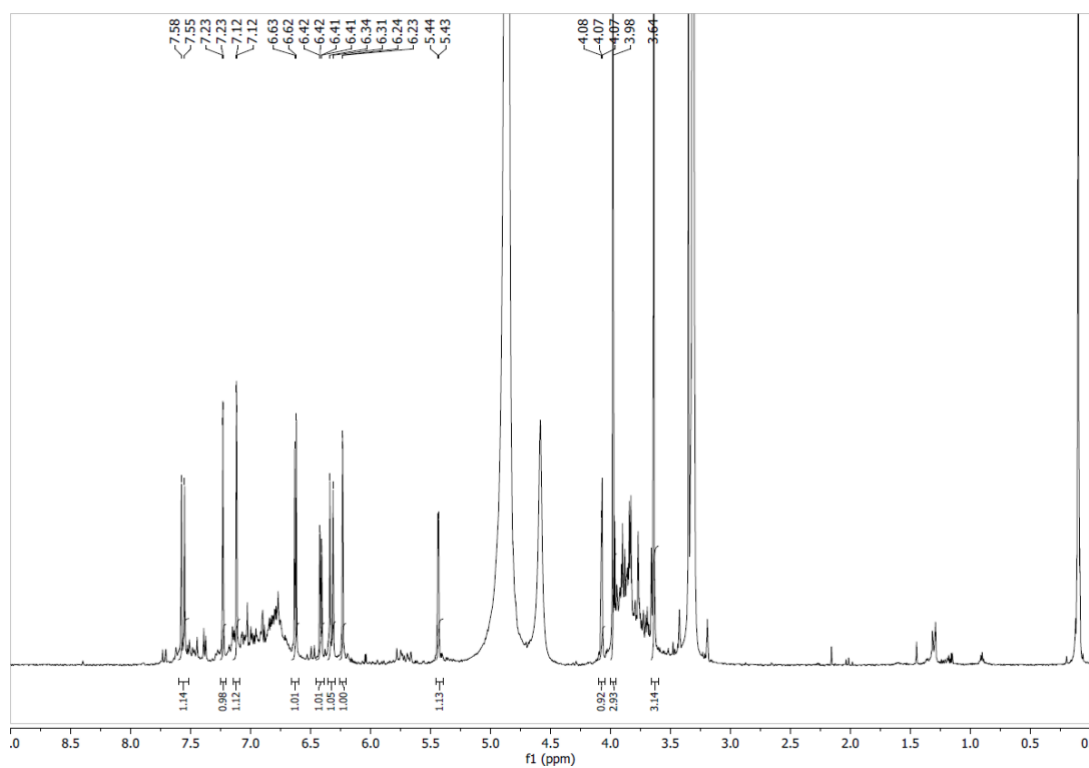
Supplementary Figure 75. Edited-HSQC NMR spectrum of compound **13** in $\text{DMSO}-d_6$



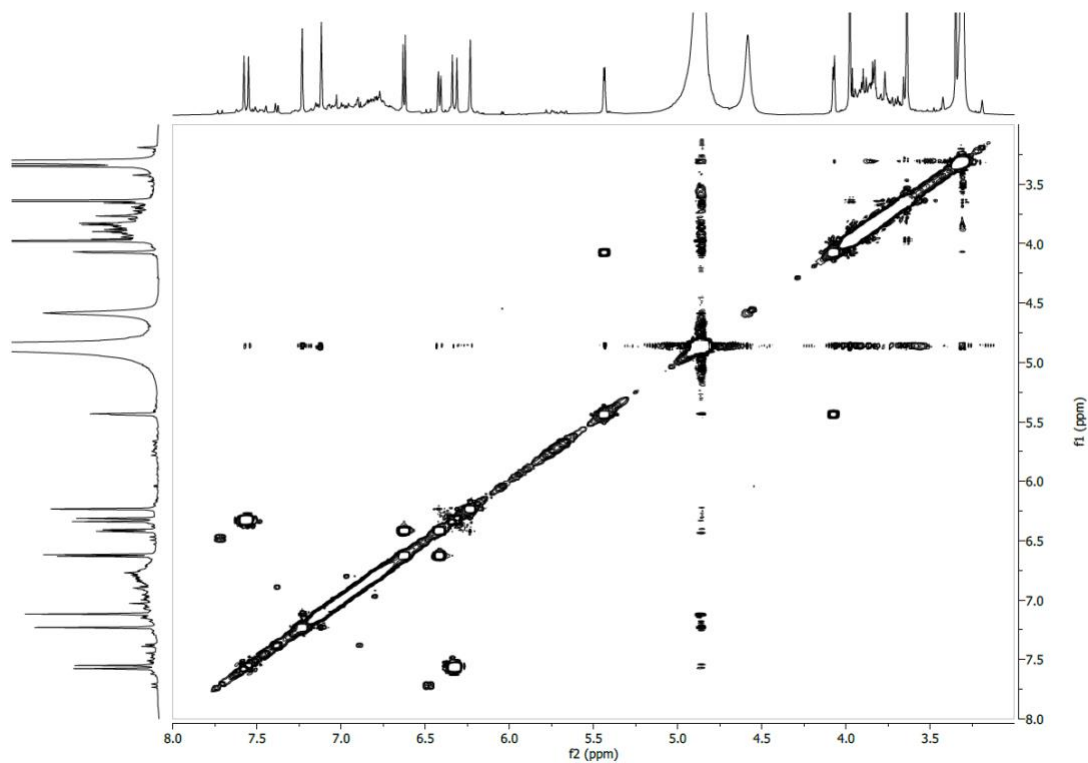
Supplementary Figure 76. HMBC NMR spectrum of compound **13** in DMSO-*d*₆



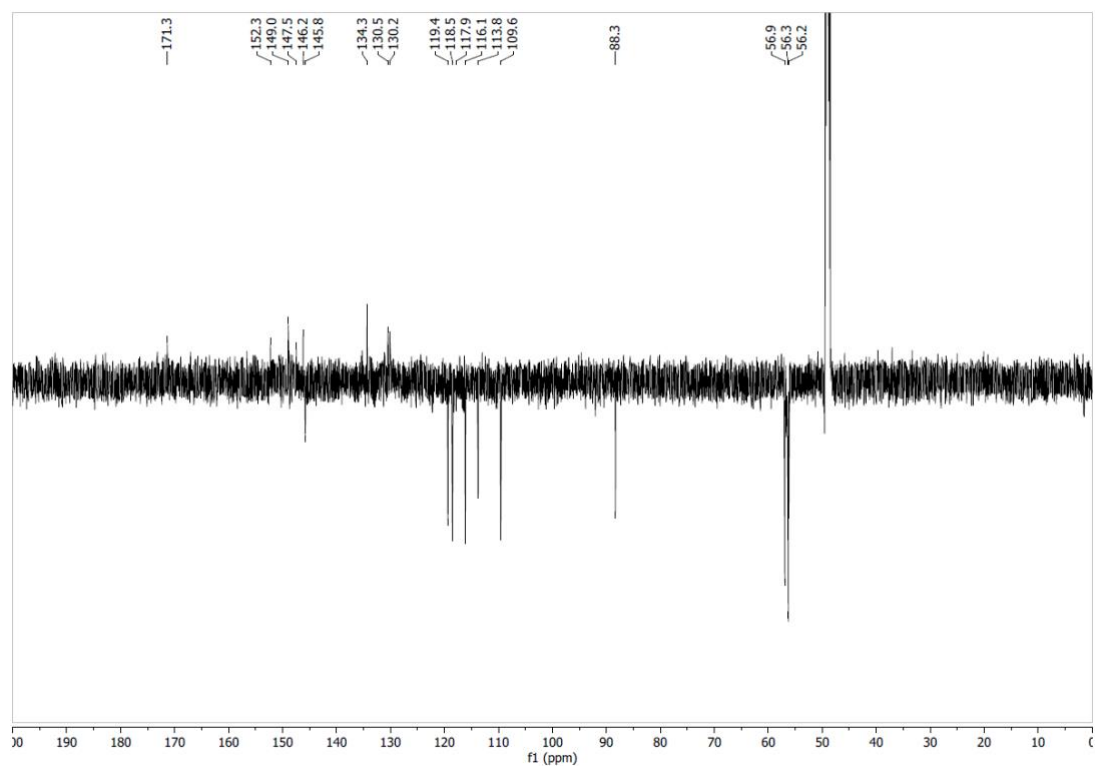
Supplementary Figure 77. ROESY NMR spectrum of compound **13** in DMSO-*d*₆



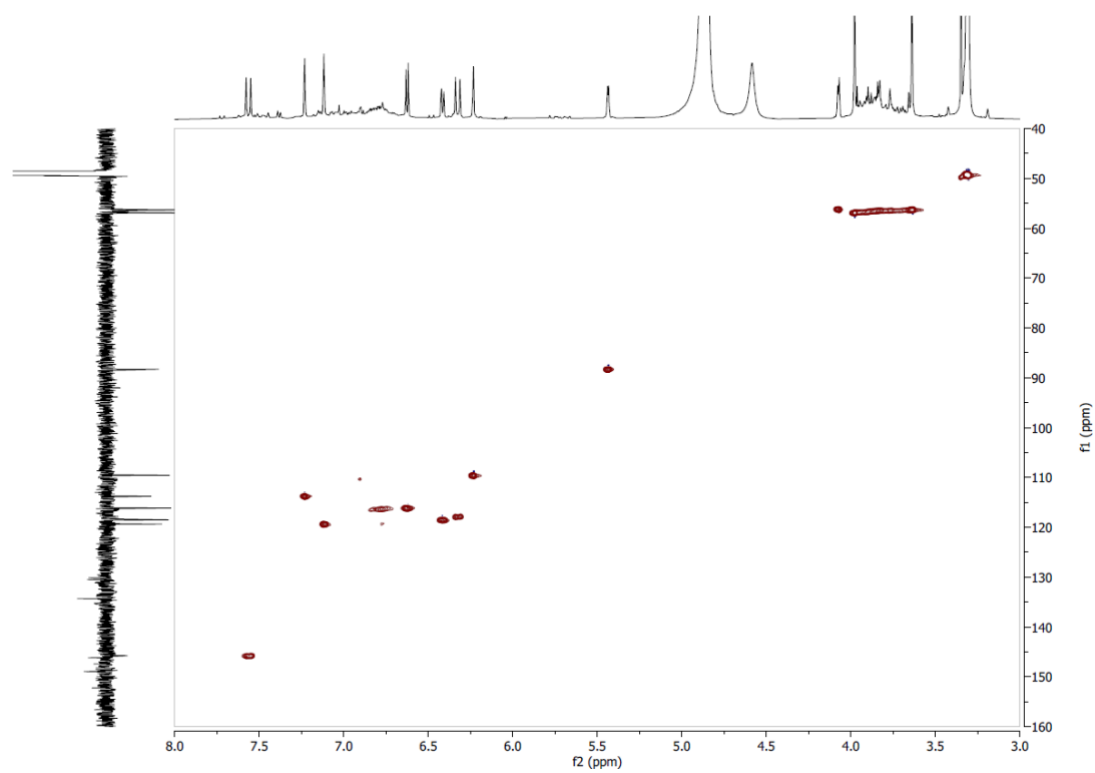
Supplementary Figure 78. ¹H NMR spectrum of compound **14** in DMSO-*d*₆ at 600 MHz



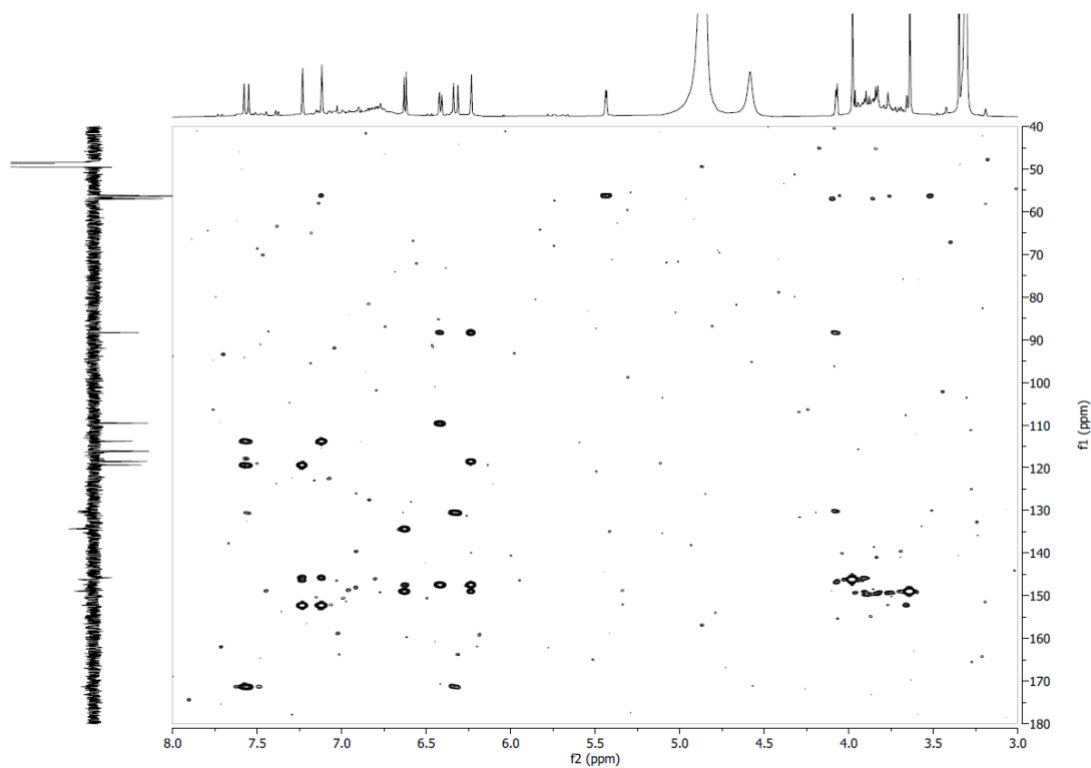
Supplementary Figure 79. COSY NMR spectrum of compound **14** in DMSO-*d*₆



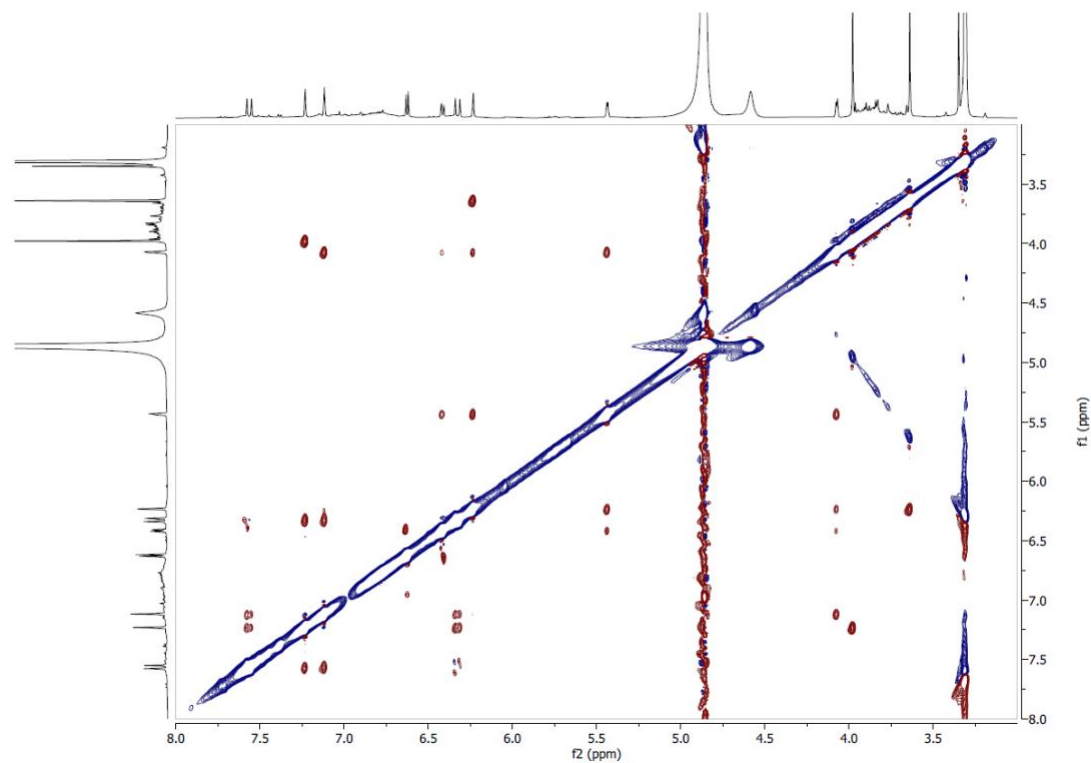
Supplementary Figure 80. ^{13}C -DEPTQ NMR spectrum of compound **14** in $\text{DMSO-}d_6$ at 151 MHz



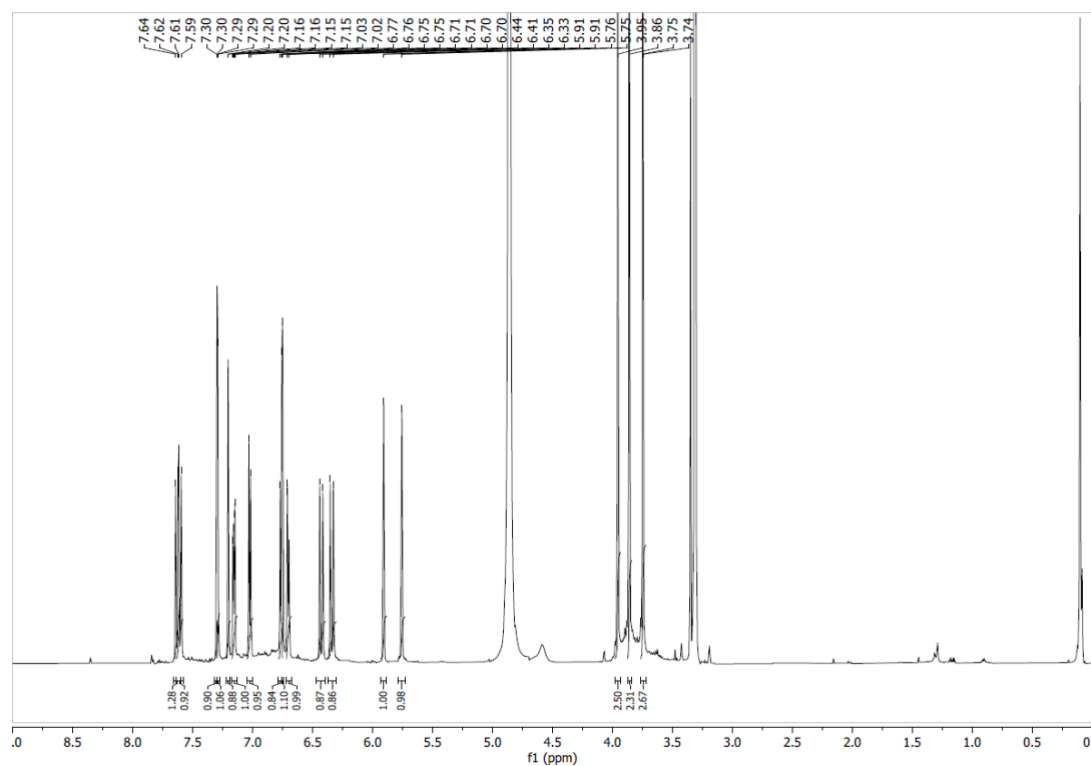
Supplementary Figure 81. Edited-HSQC NMR spectrum of compound **14** in $\text{DMSO-}d_6$



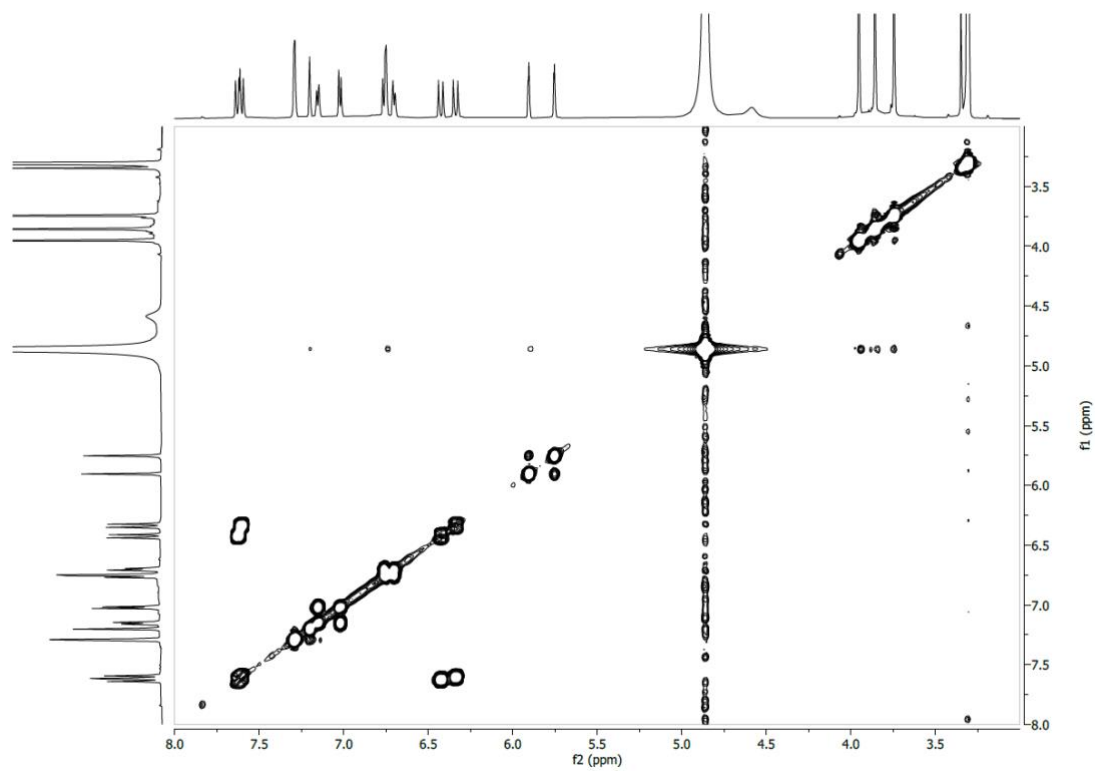
Supplementary Figure 82. HMBC NMR spectrum of compound **14** in DMSO- d_6



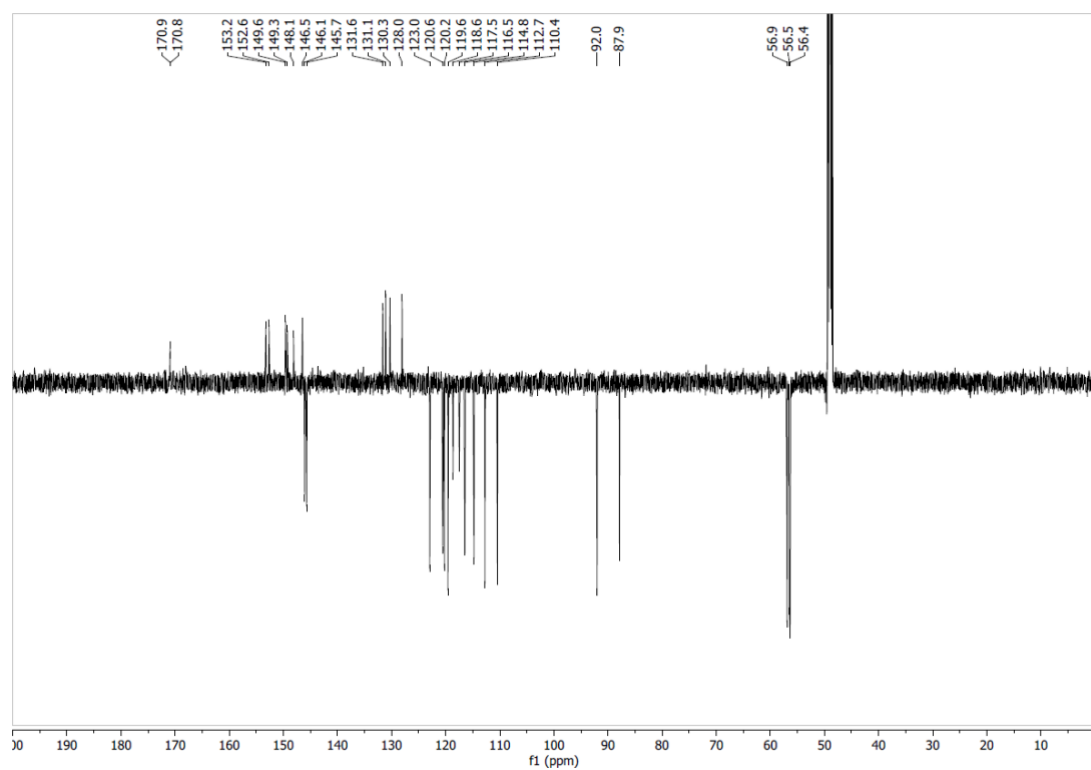
Supplementary Figure 83. ROESY NMR spectrum of compound **14** in DMSO- d_6



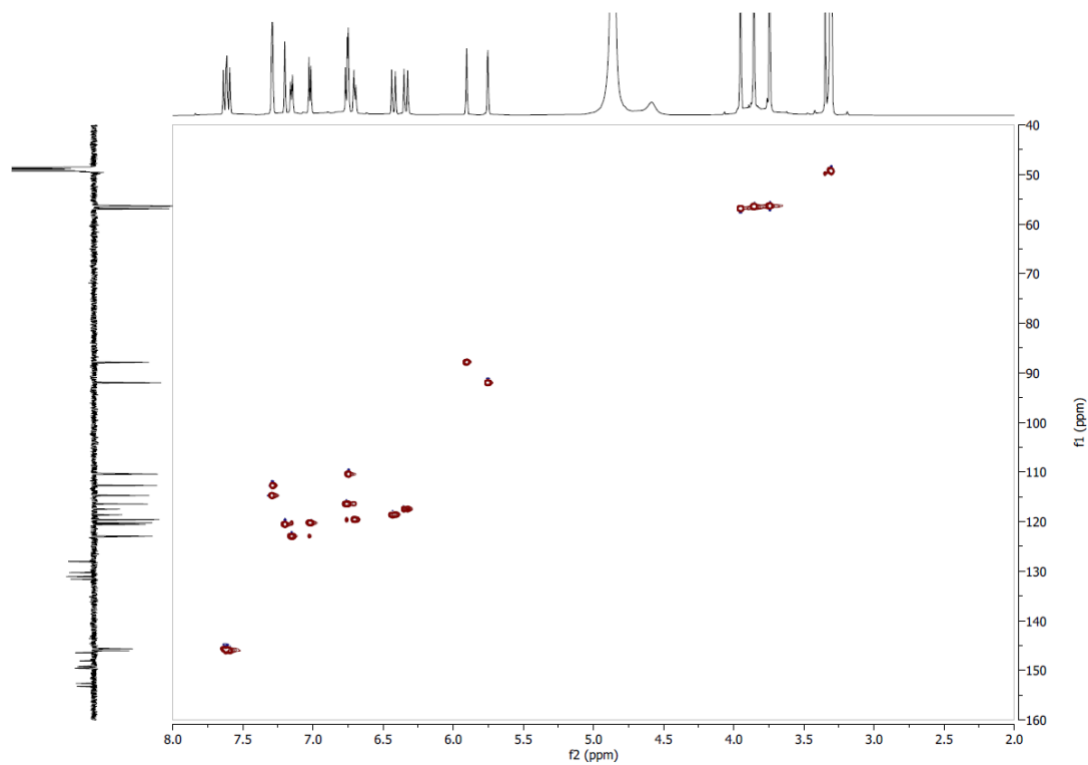
Supplementary Figure 84. ¹H NMR spectrum of compound **15** in DMSO-*d*₆ at 600 MHz



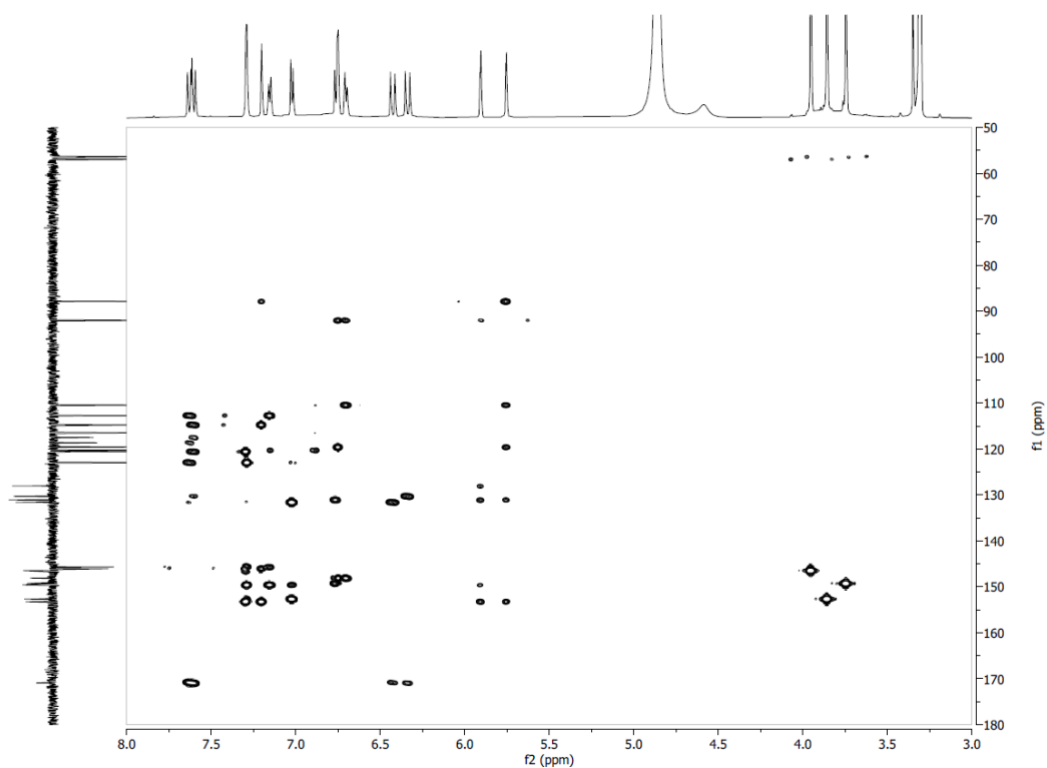
Supplementary Figure 85. COSY NMR spectrum of compound **15** in DMSO-*d*₆



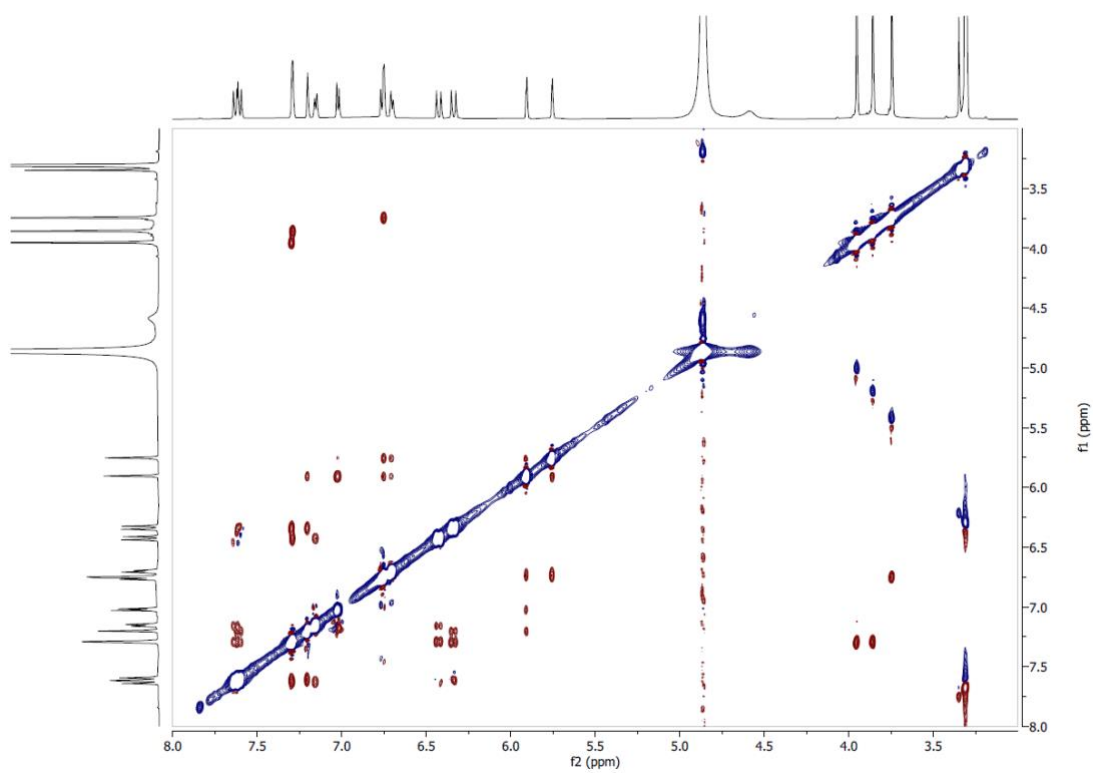
Supplementary Figure 86. ^{13}C -DEPTQ NMR spectrum of compound **15** in $\text{DMSO-}d_6$ at 151 MHz



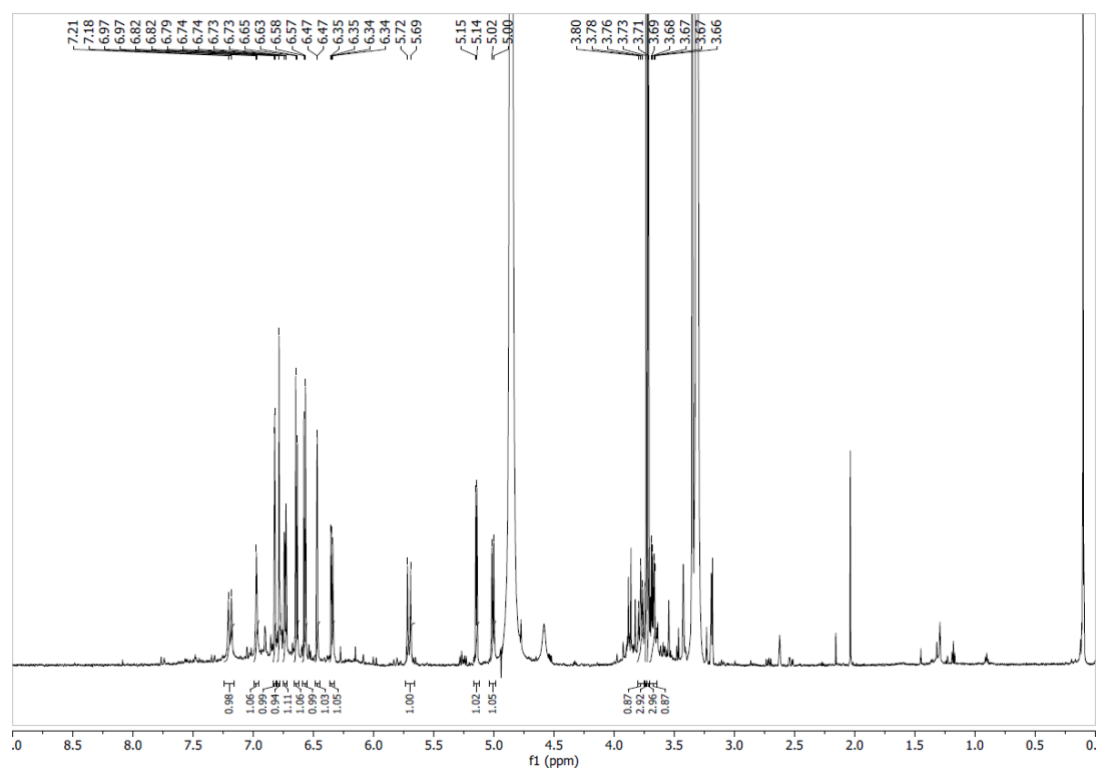
Supplementary Figure 87. Edited-HSQC NMR spectrum of compound **15** in $\text{DMSO-}d_6$



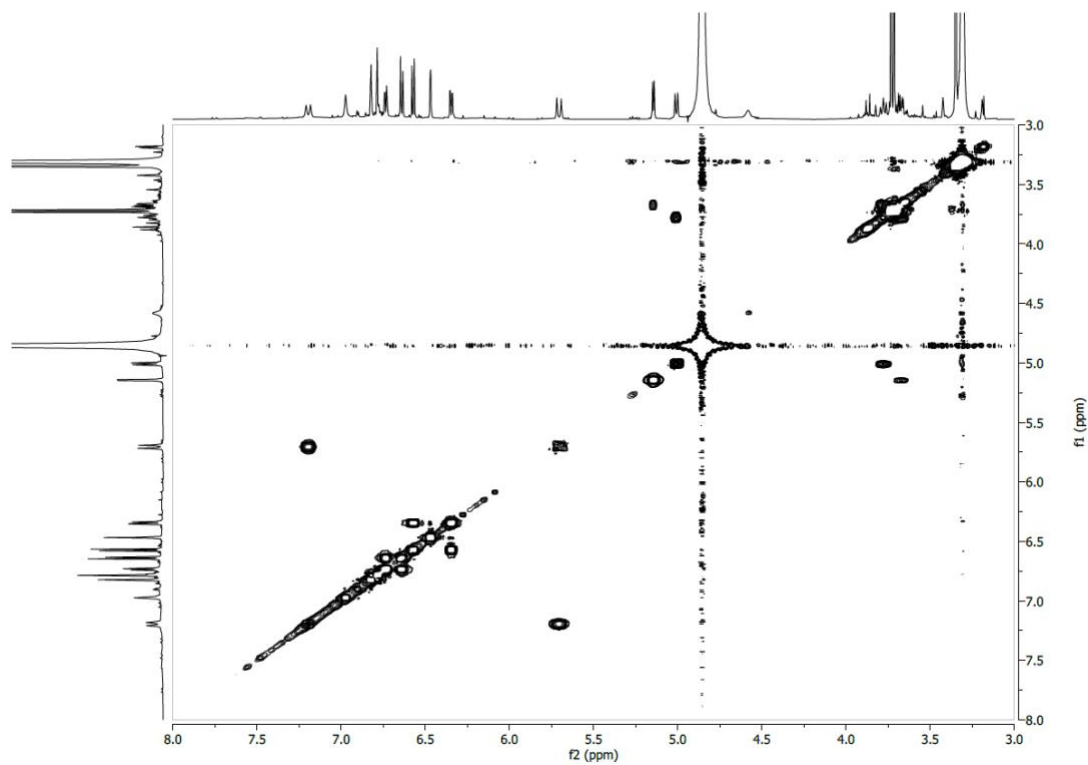
Supplementary Figure 88. HMBC NMR spectrum of compound **15** in DMSO- d_6



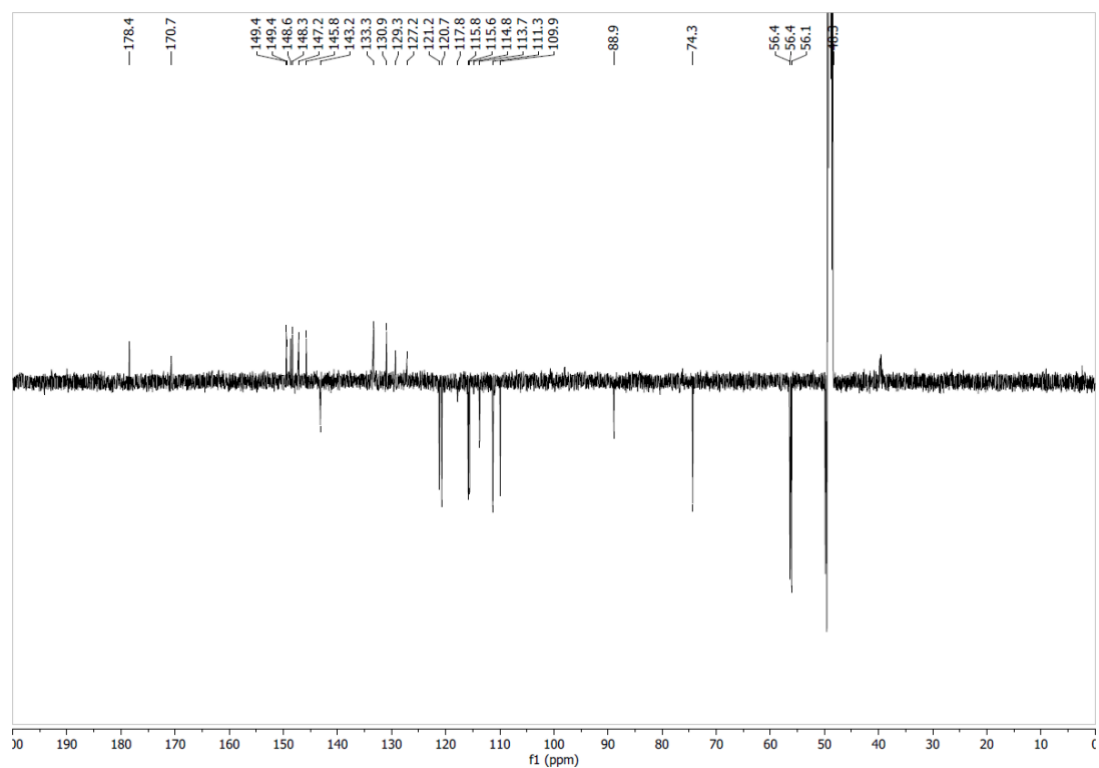
Supplementary Figure 89. ROESY NMR spectrum of compound **15** in DMSO- d_6



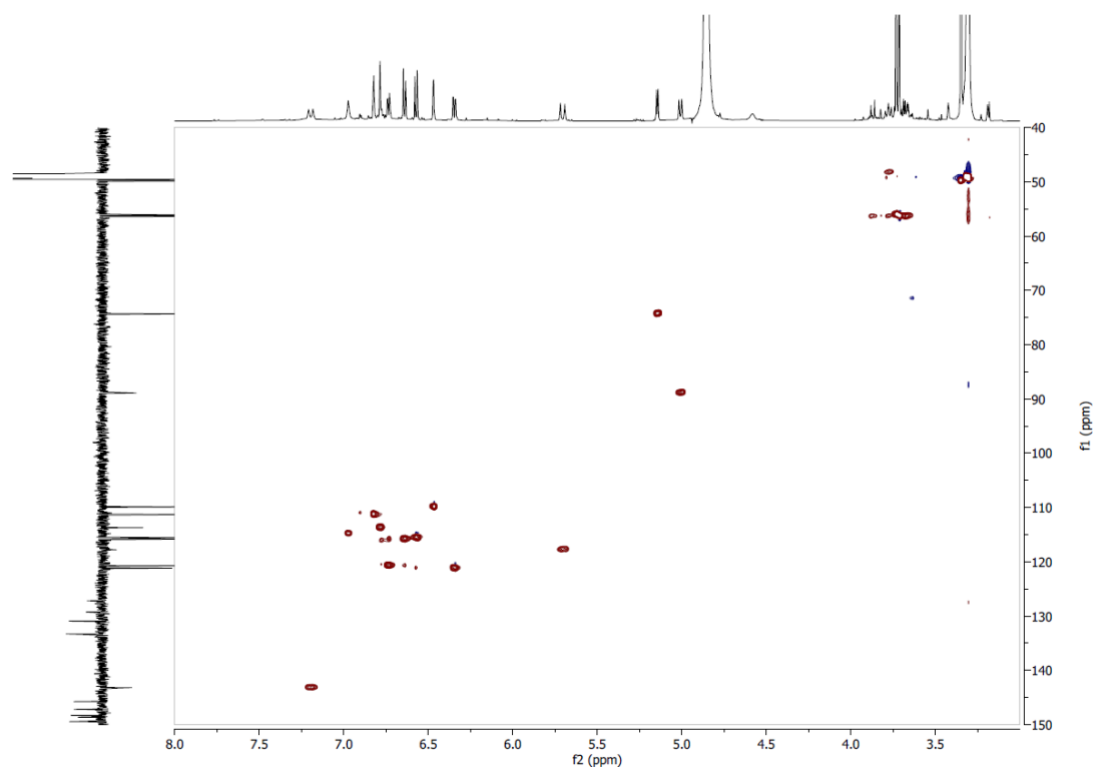
Supplementary Figure 90. ¹H NMR spectrum of compound **16** in DMSO-*d*₆ at 600 MHz



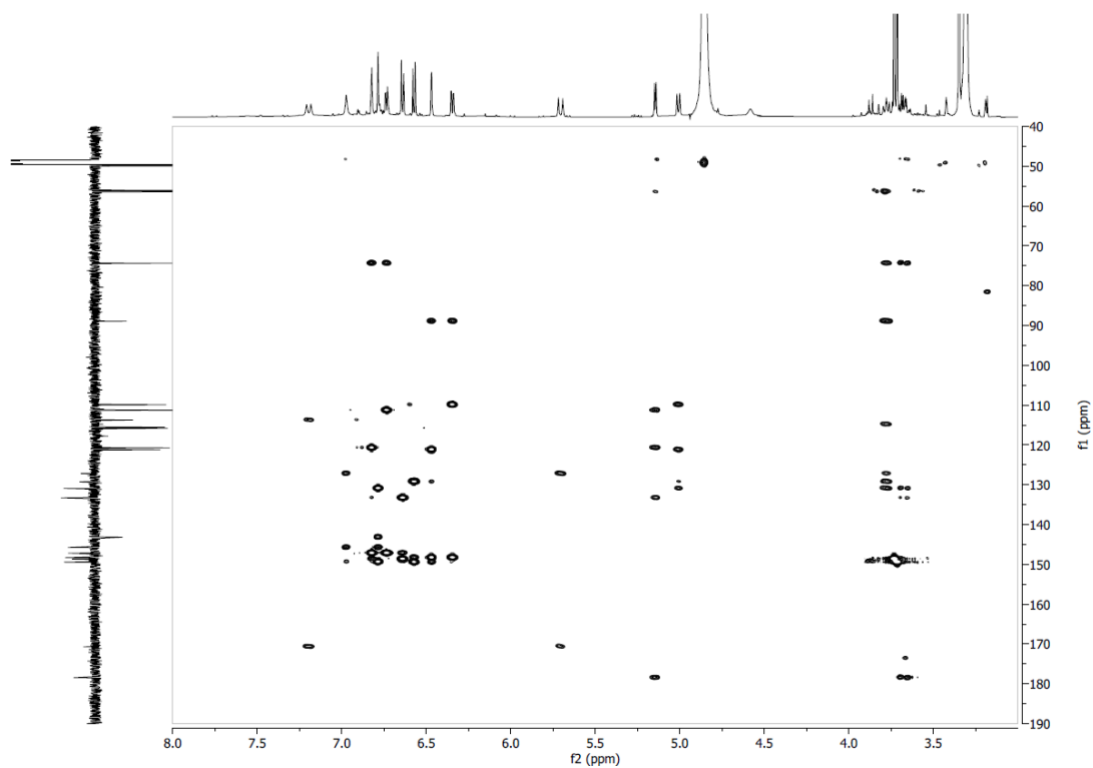
Supplementary Figure 91. COSY NMR spectrum of compound **16** in DMSO-*d*₆



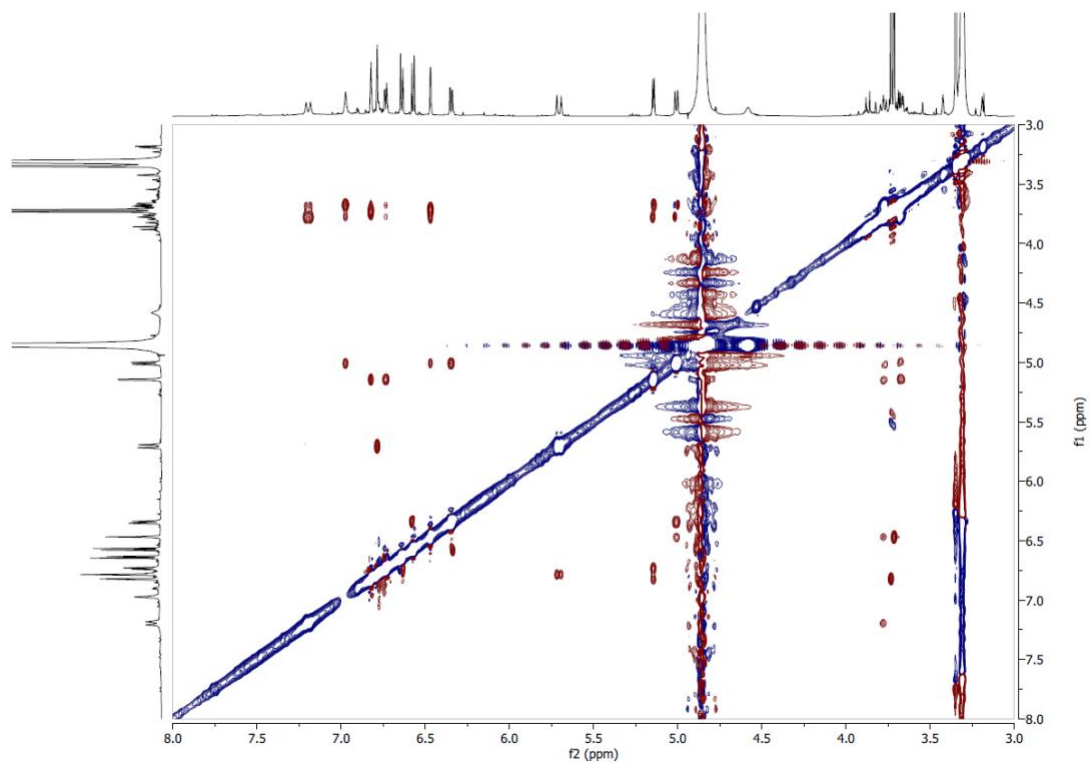
Supplementary Figure 92. ^{13}C -DEPTQ NMR spectrum of compound **16** in $\text{DMSO}-d_6$ at 151 MHz



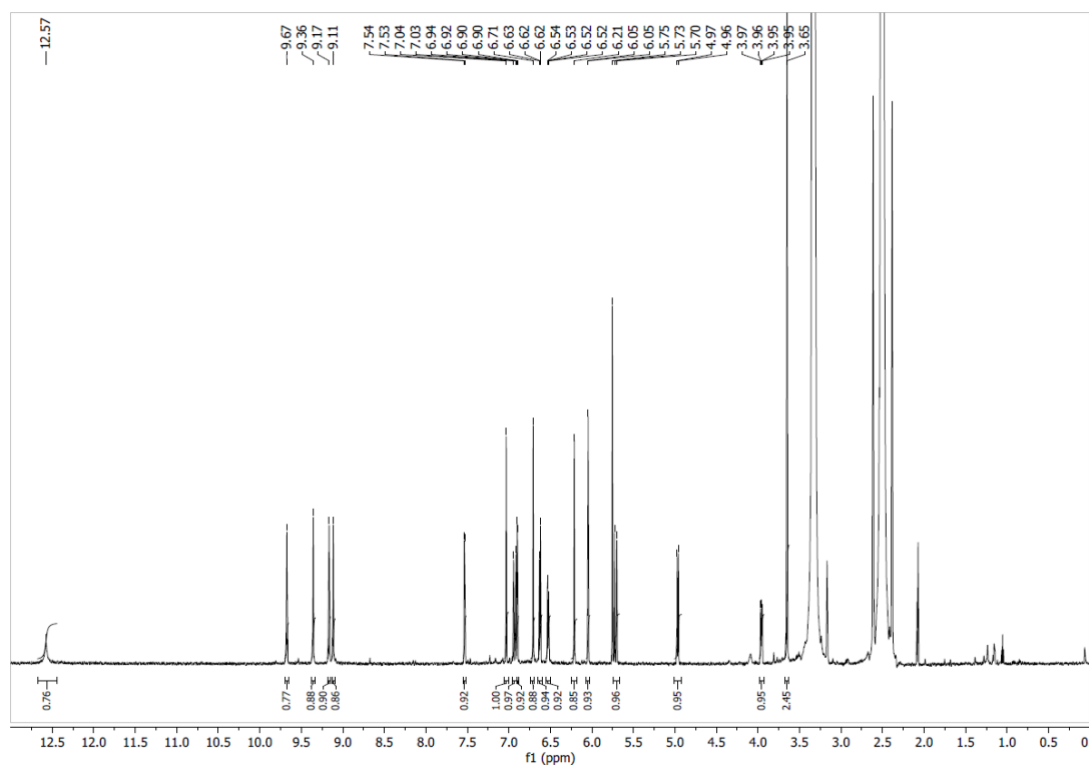
Supplementary Figure 93. Edited-HSQC NMR spectrum of compound **16** in $\text{DMSO}-d_6$



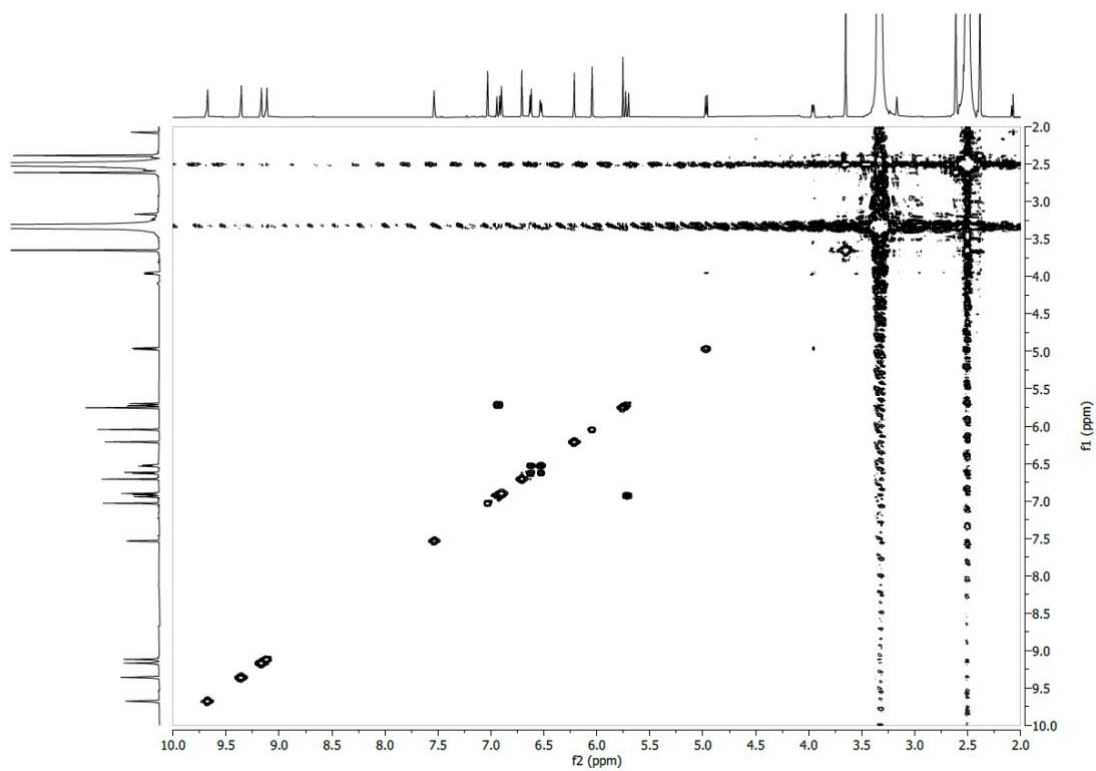
Supplementary Figure 94. HMBC NMR spectrum of compound **16** in DMSO-*d*₆



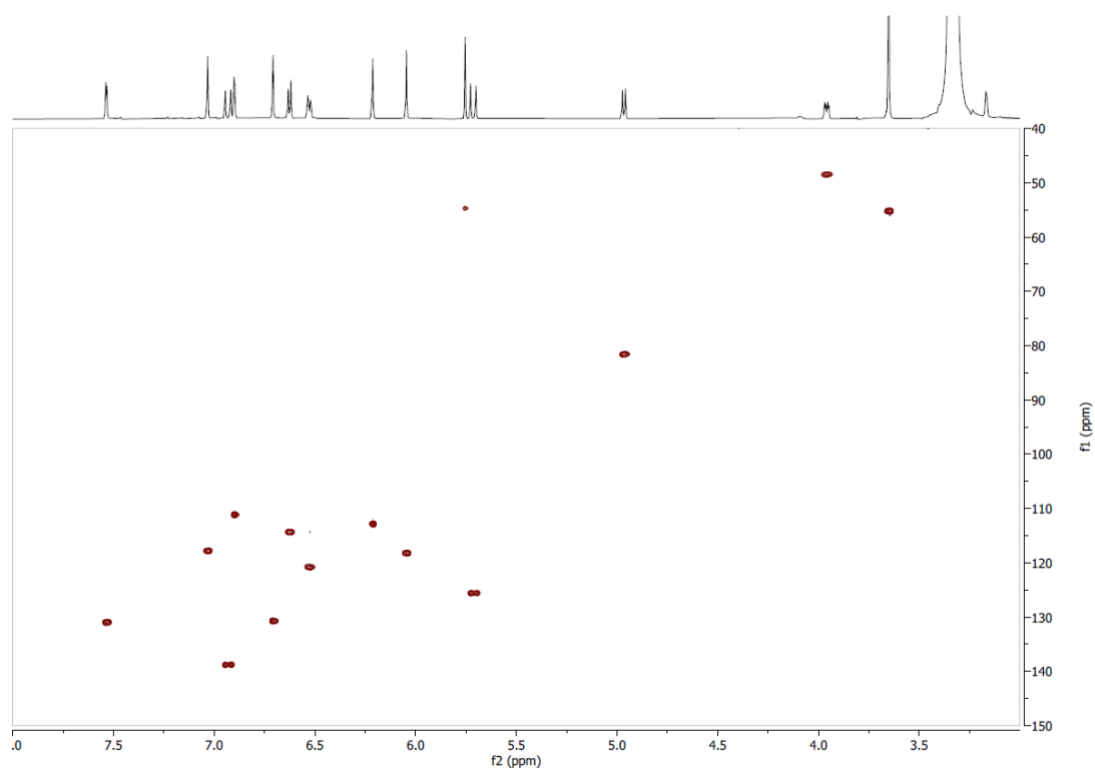
Supplementary Figure 95. ROESY NMR spectrum of compound **16** in DMSO-*d*₆



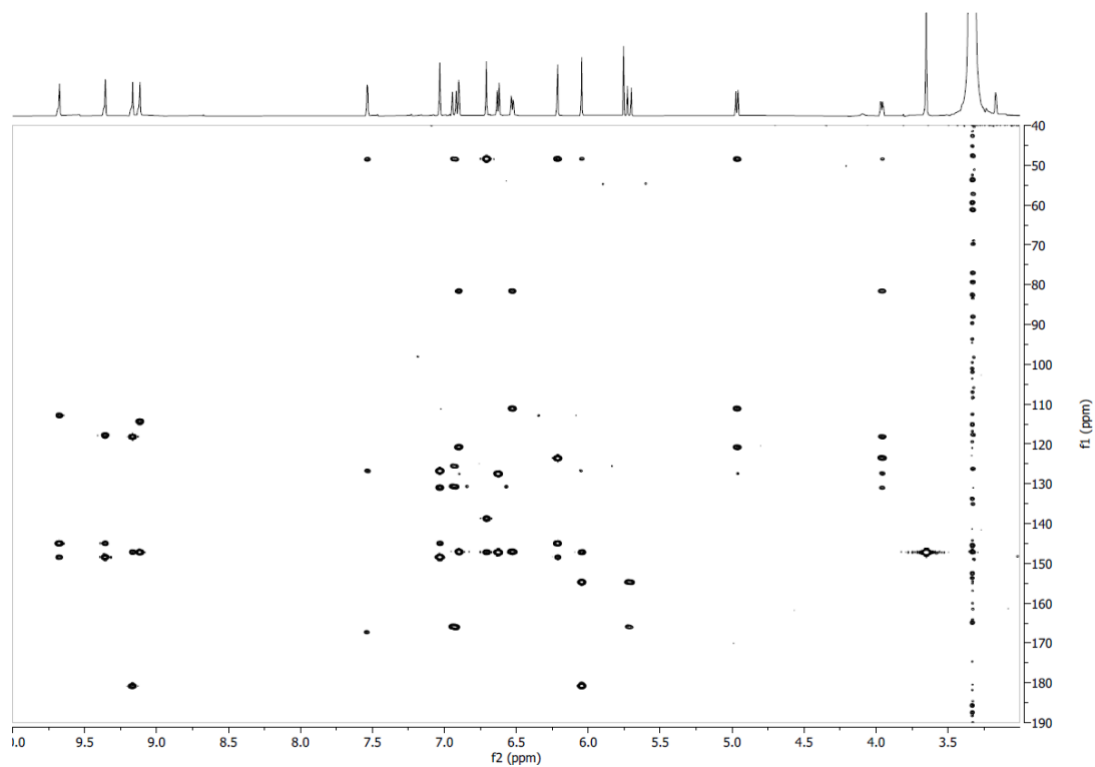
Supplementary Figure 96. ^1H NMR spectrum of compound **17** in $\text{DMSO}-d_6$ at 600 MHz



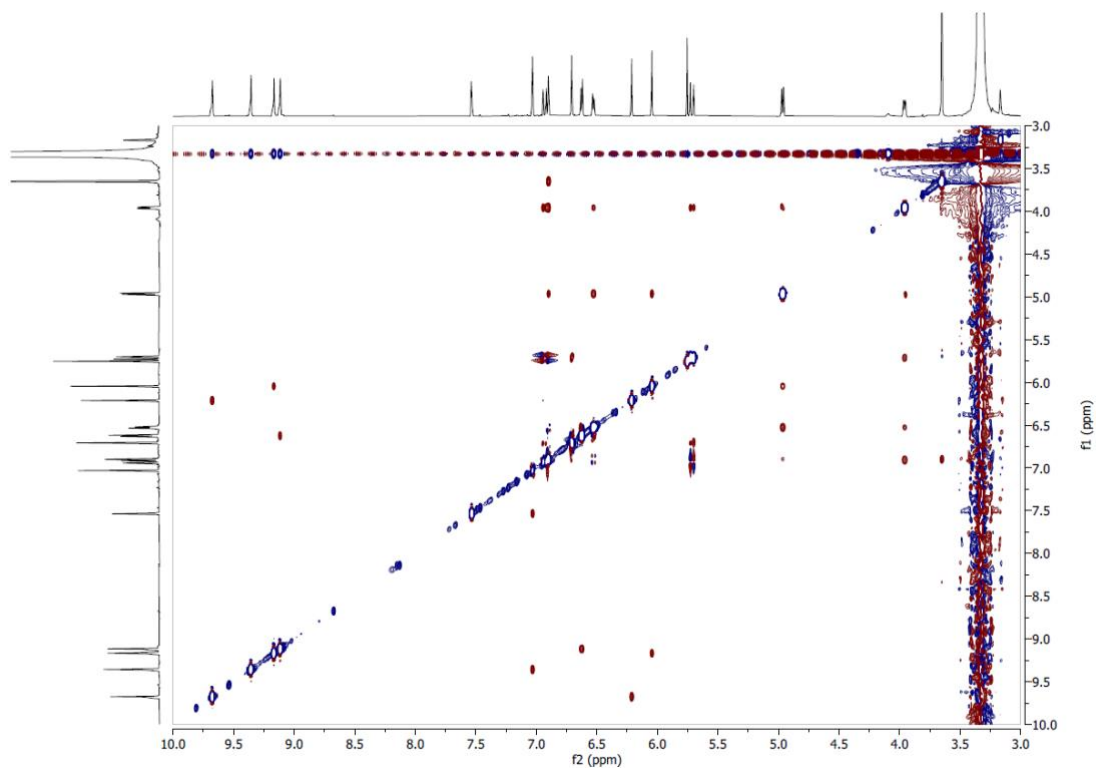
Supplementary Figure 97. COSY NMR spectrum of compound **17** in $\text{DMSO}-d_6$



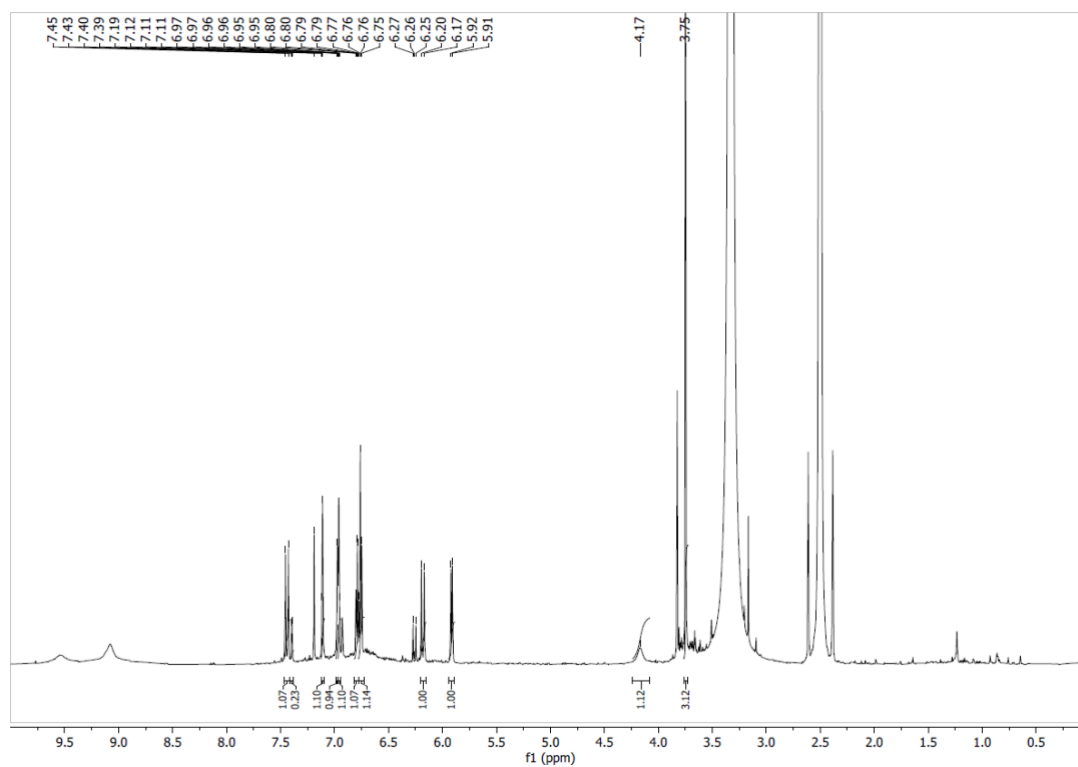
Supplementary Figure 98. Edited-HSQC NMR spectrum of compound **17** in DMSO- d_6



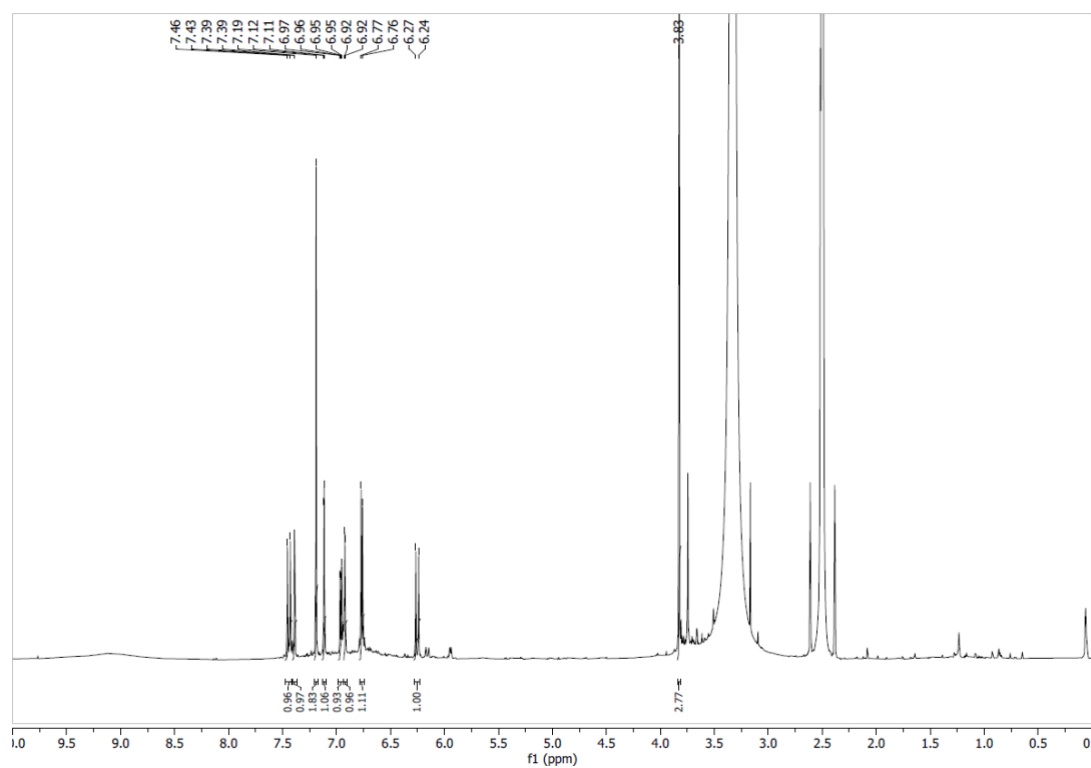
Supplementary Figure 99. HMBC NMR spectrum of compound **17** in DMSO- d_6



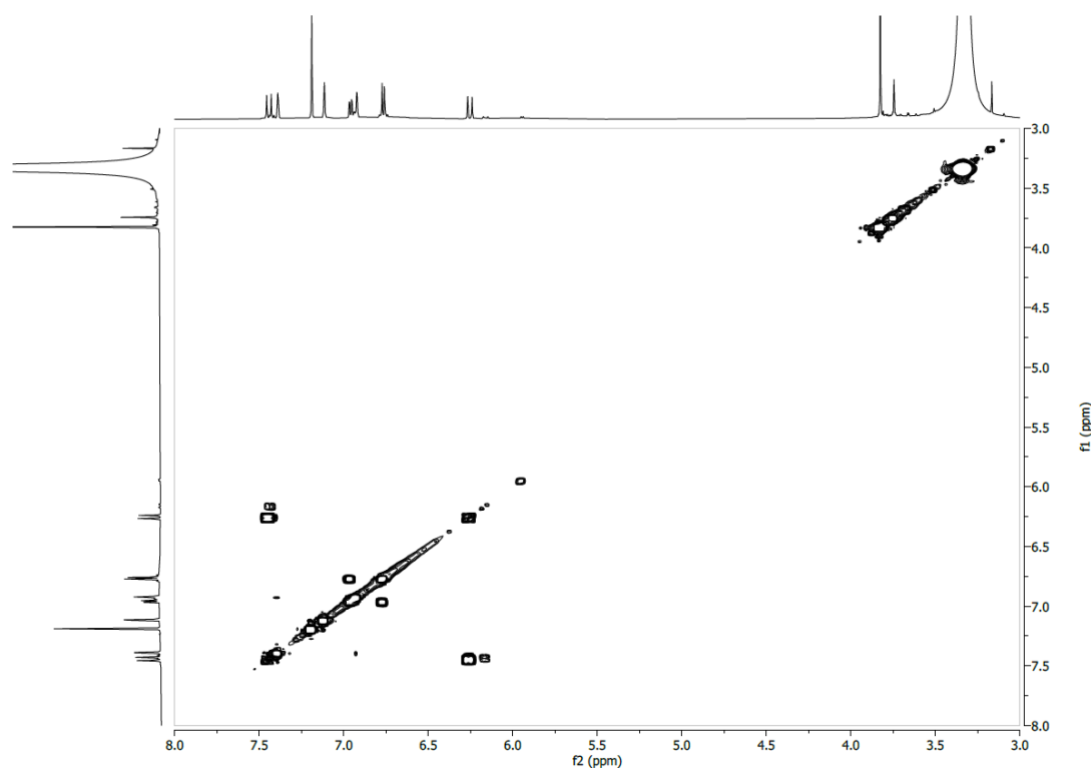
Supplementary Figure 100. ROESY NMR spectrum of compound **17** in DMSO- d_6



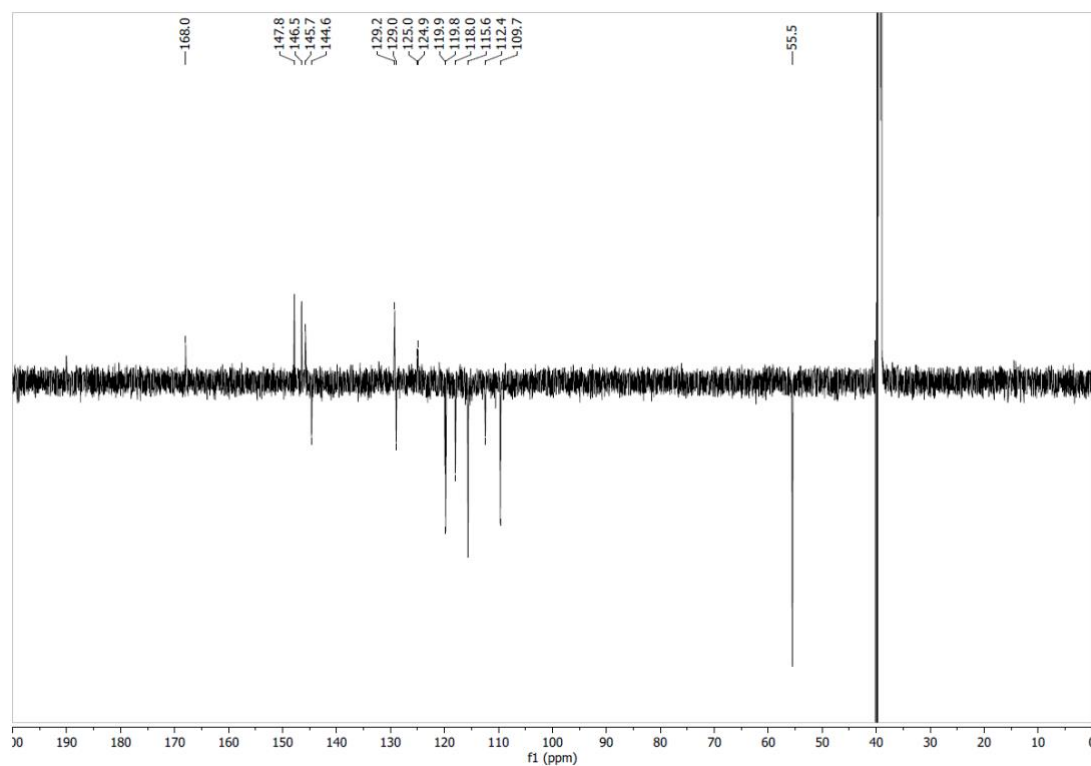
Supplementary Figure 101. ^1H NMR spectrum of compound **18** in DMSO- d_6 at 600 MHz



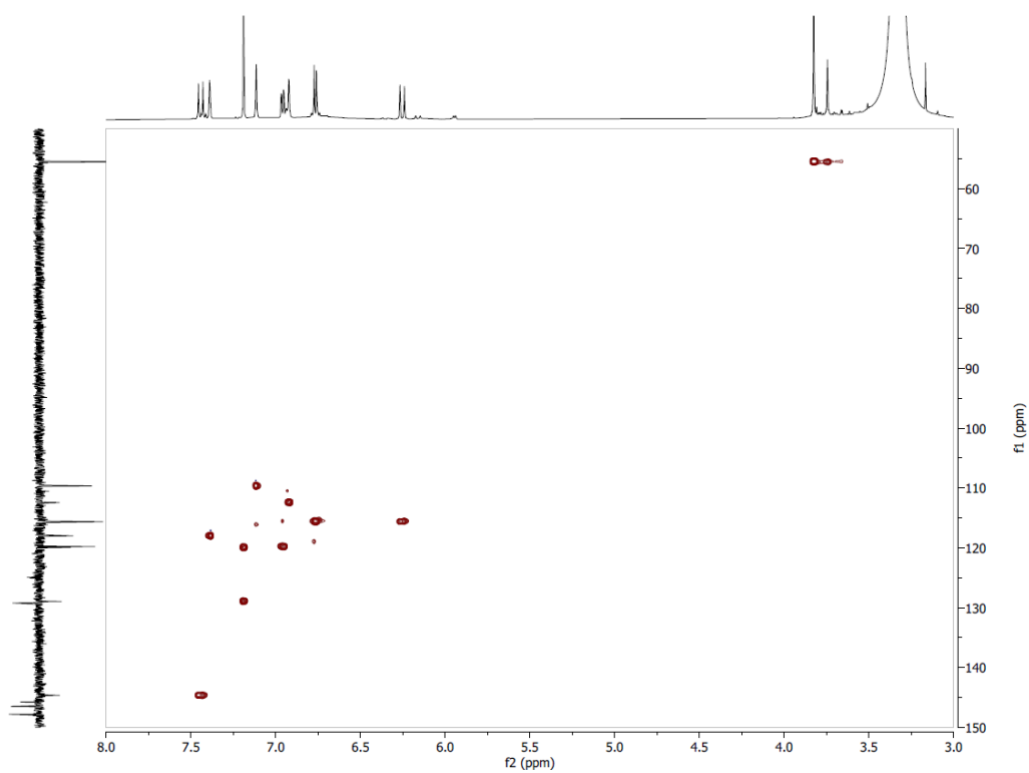
Supplementary Figure 102. ¹H NMR spectrum of compound **19** in DMSO-*d*₆ at 600 MHz



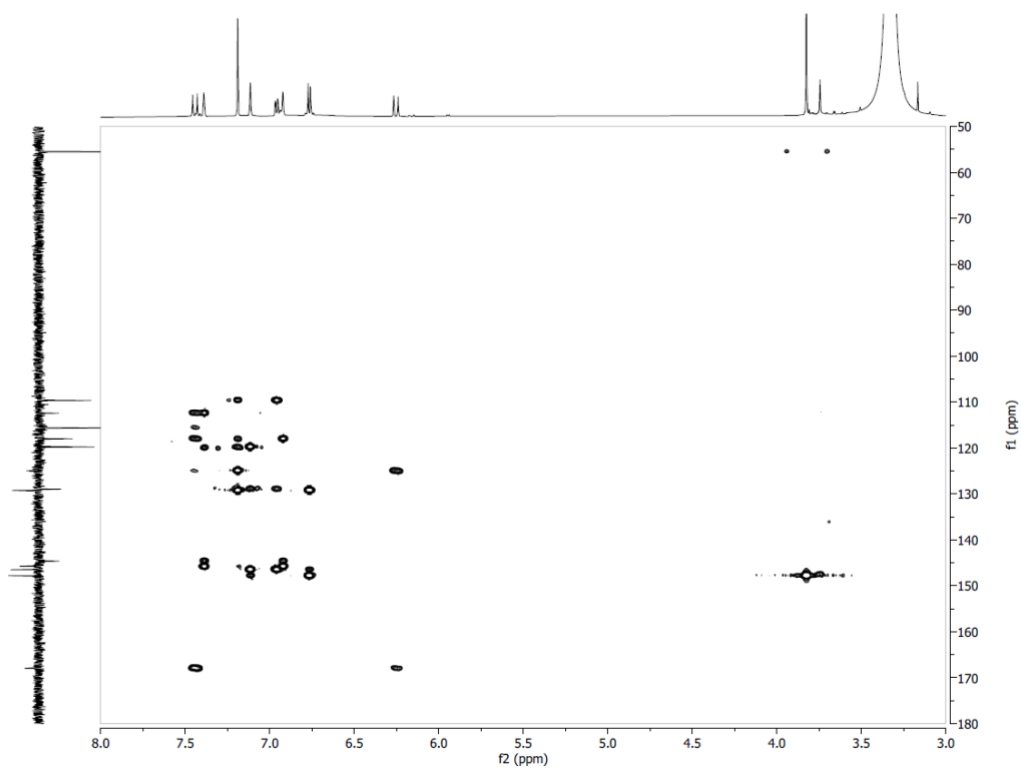
Supplementary Figure 103. COSY NMR spectrum of compound **19** in DMSO-*d*₆



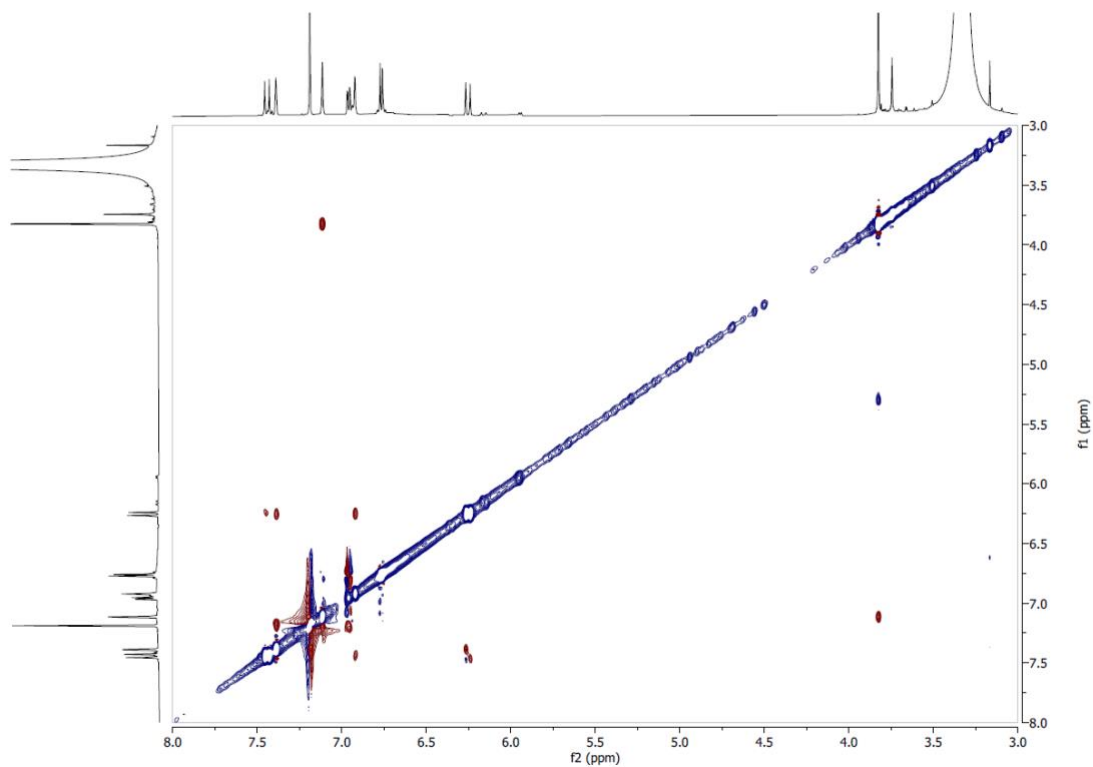
Supplementary Figure 104. ¹³C-DEPTQ NMR spectrum of compound **19** in DMSO-*d*₆ at 151 MHz



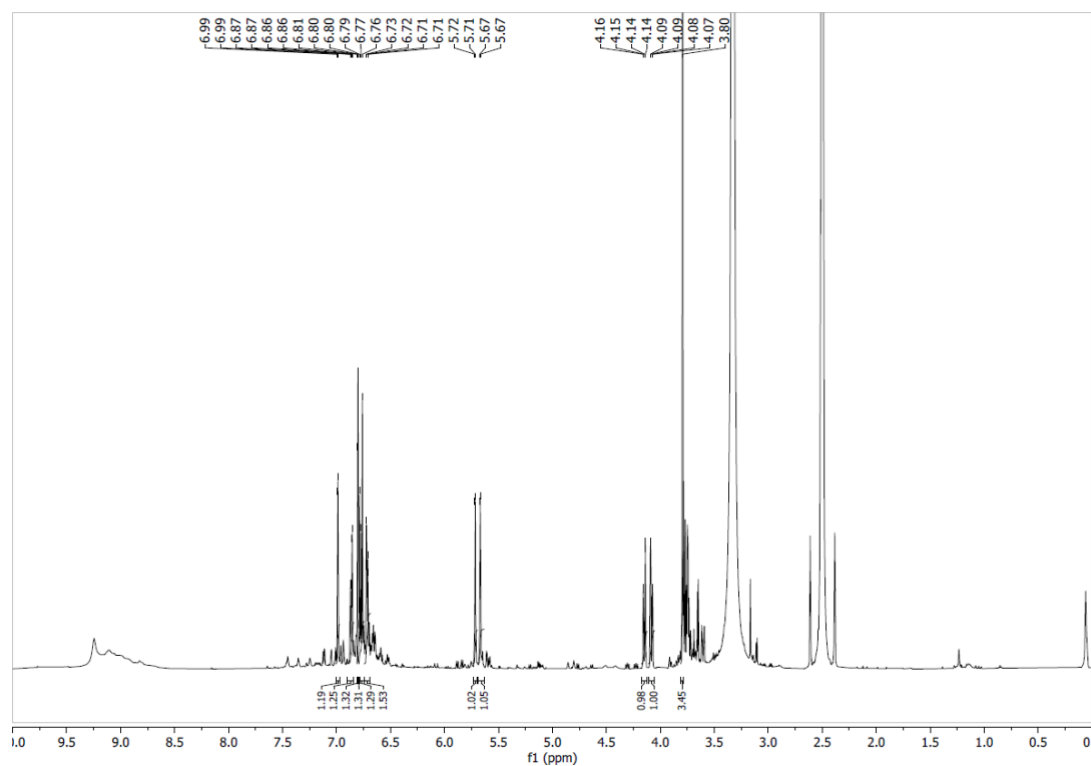
Supplementary Figure 105. Edited-HSQC NMR spectrum of compound **19** in DMSO-*d*₆



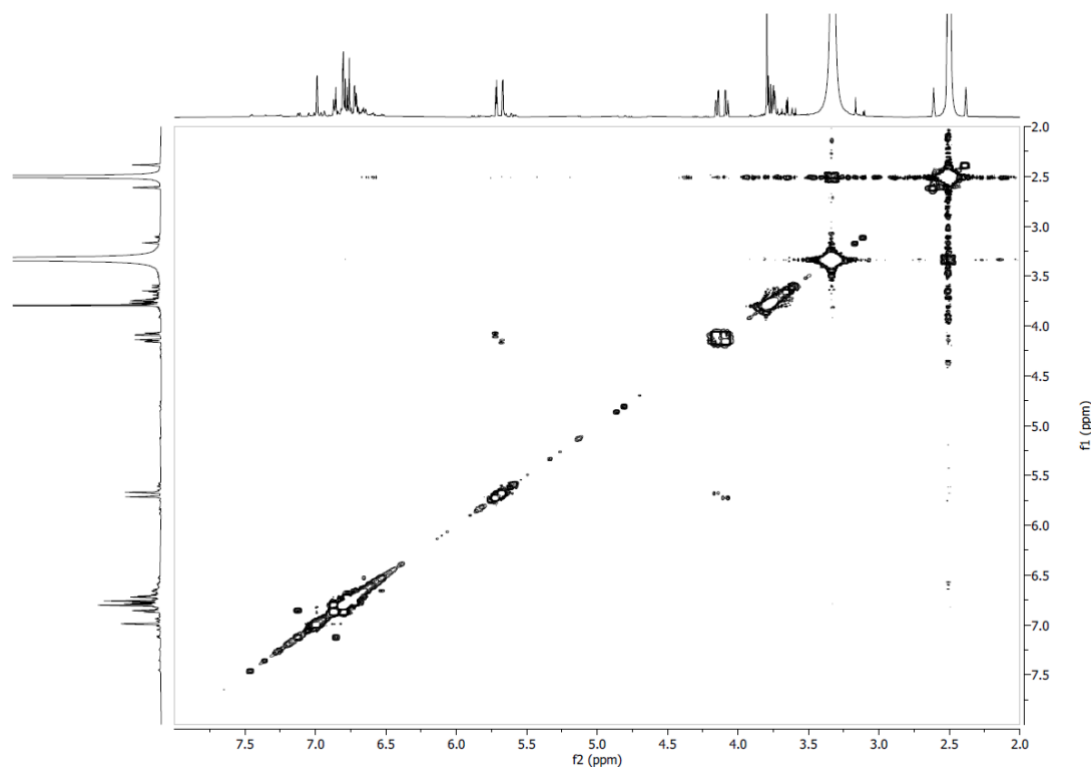
Supplementary Figure 106. HMBC NMR spectrum of compound **19** in DMSO- d_6



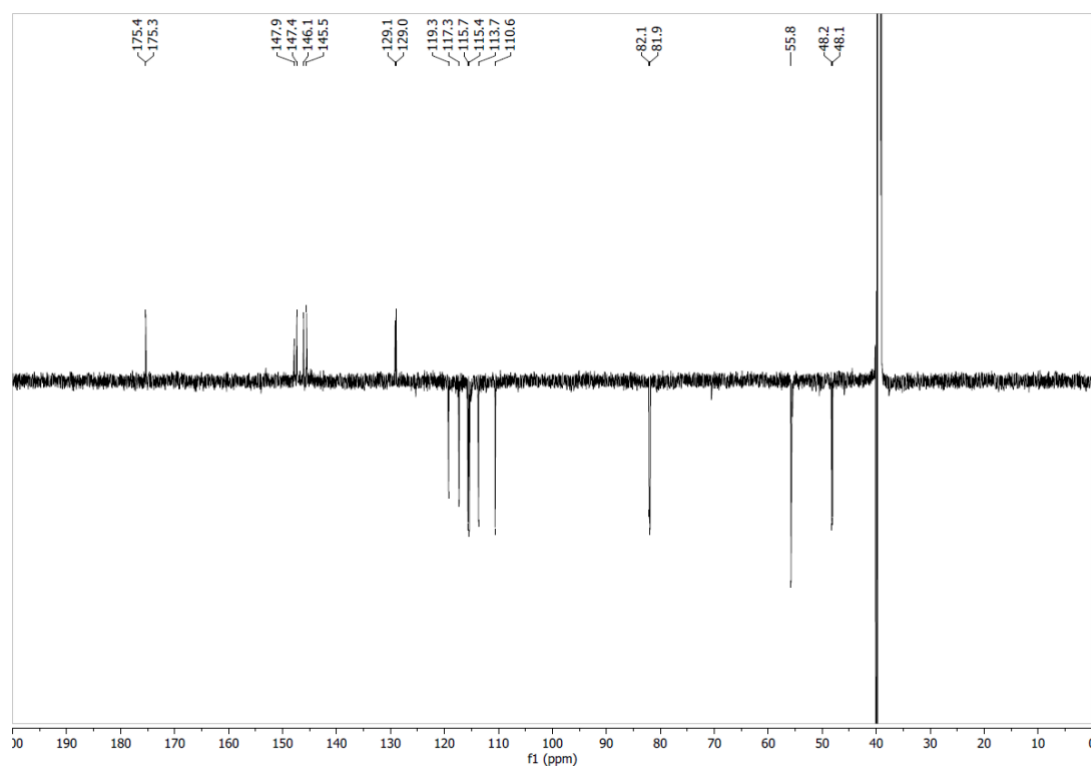
Supplementary Figure 107. ROESY NMR spectrum of compound **19** in DMSO- d_6



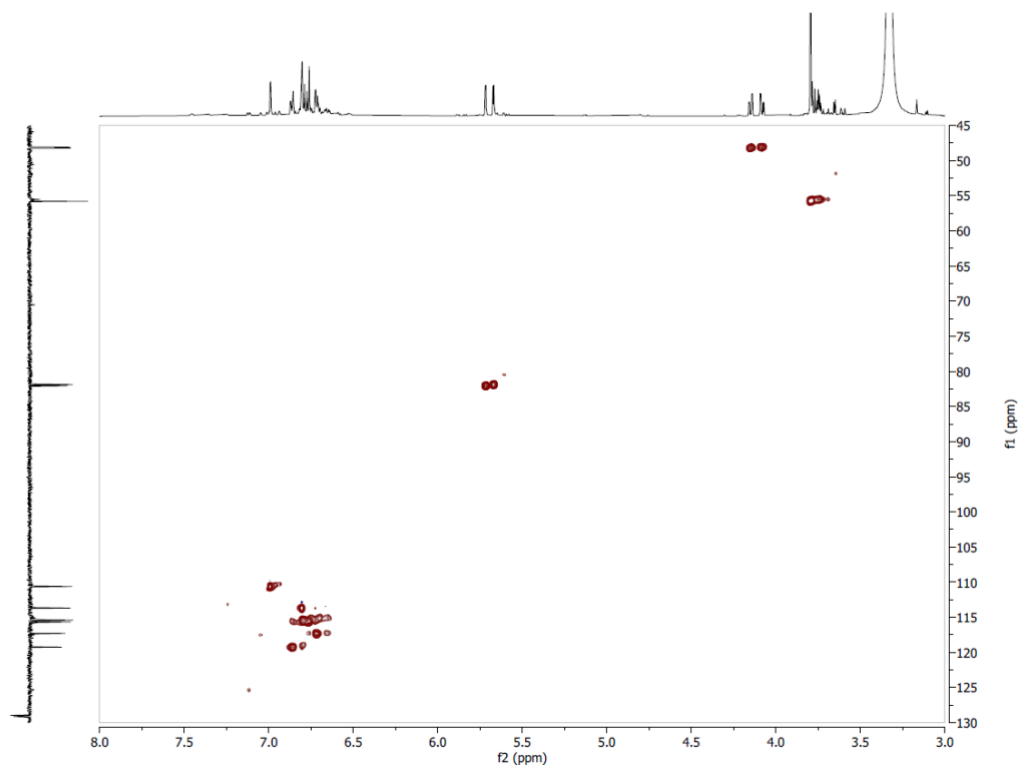
Supplementary Figure 108. ^1H NMR spectrum of compound **20** in $\text{DMSO-}d_6$ at 600 MHz



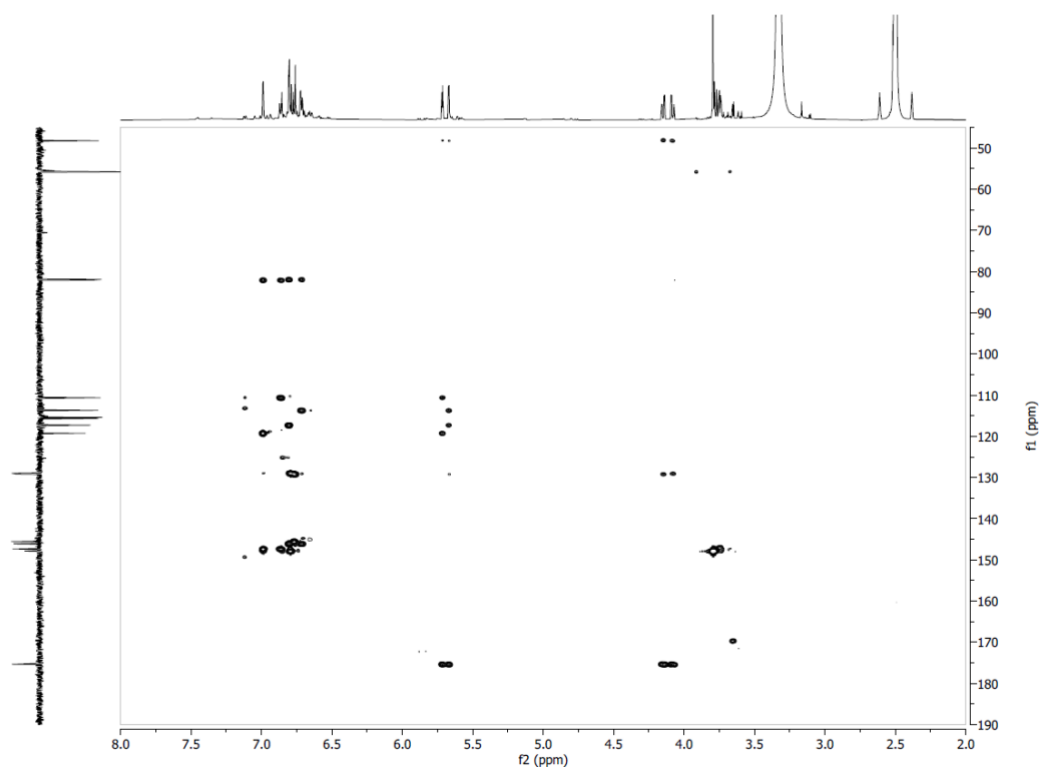
Supplementary Figure 109. COSY NMR spectrum of compound **20** in $\text{DMSO-}d_6$



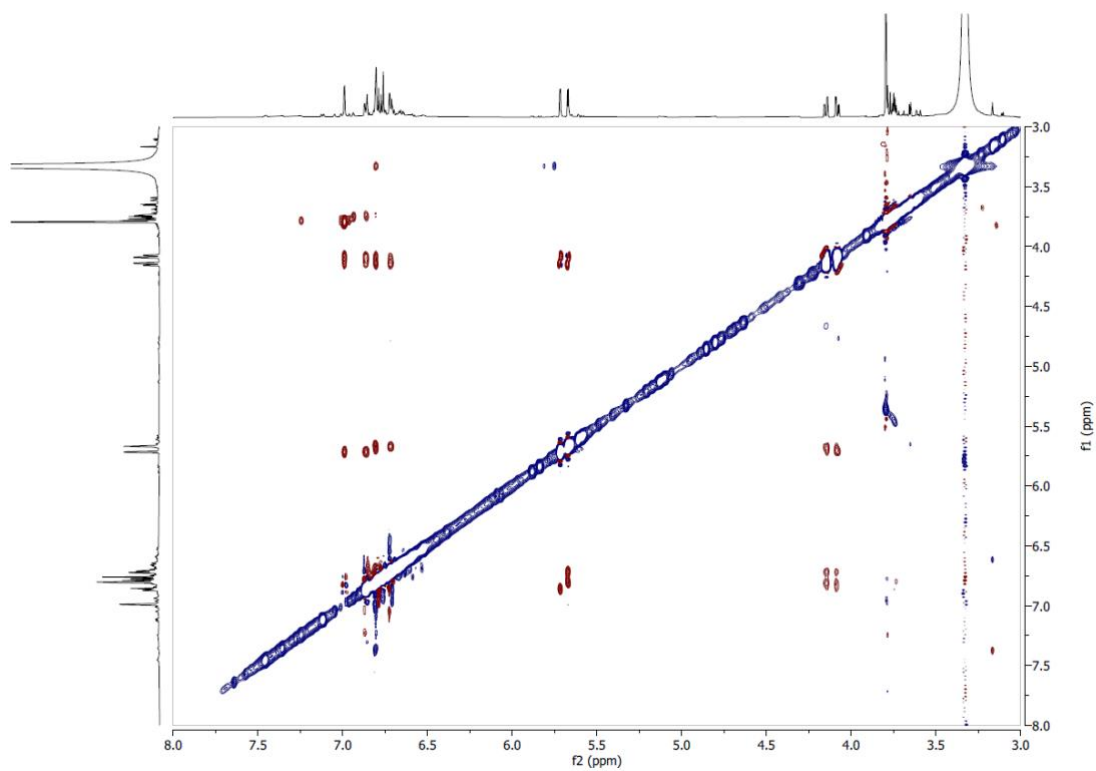
Supplementary Figure 110. ¹³C-DEPTQ NMR spectrum of compound **20** in DMSO-*d*₆ at 151 MHz



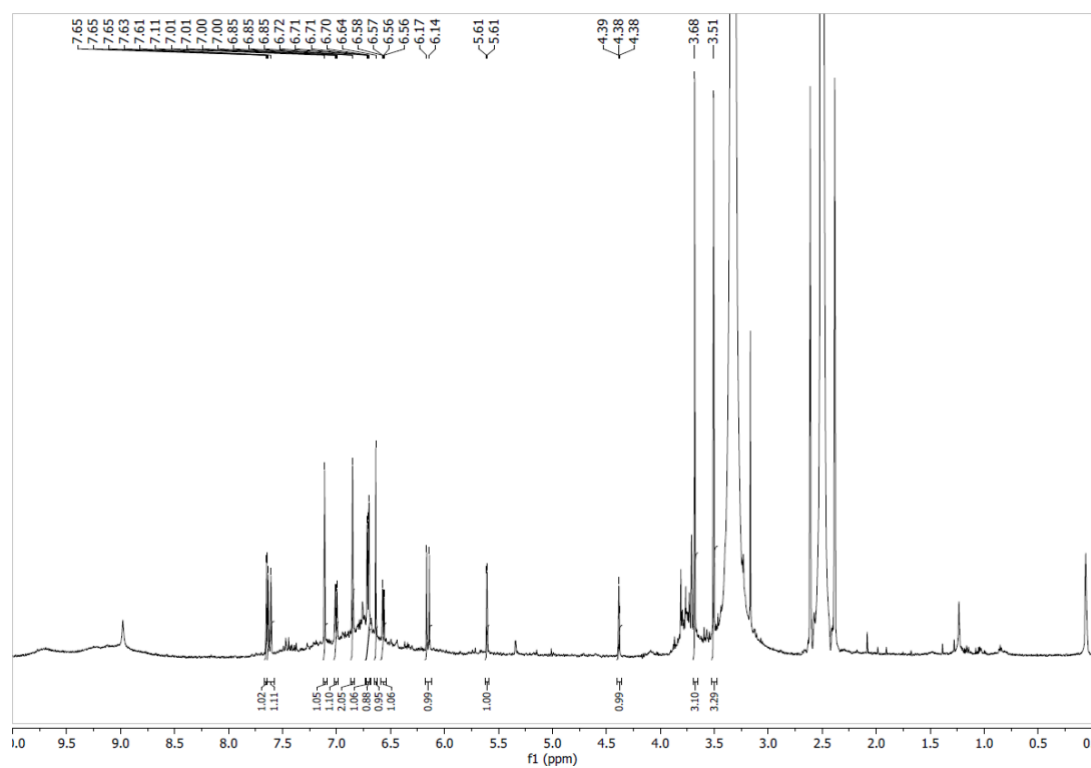
Supplementary Figure 111. Edited-HSQC NMR spectrum of compound **20** in DMSO-*d*₆



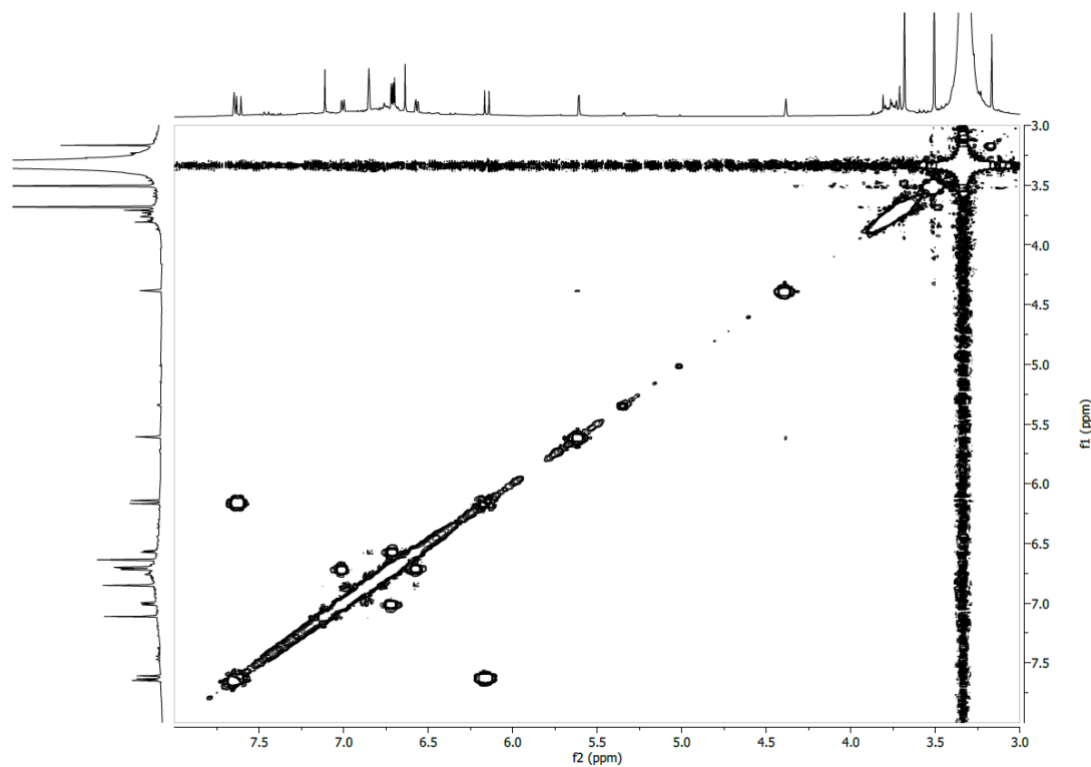
Supplementary Figure 112. HMBC NMR spectrum of compound **20** in DMSO- d_6



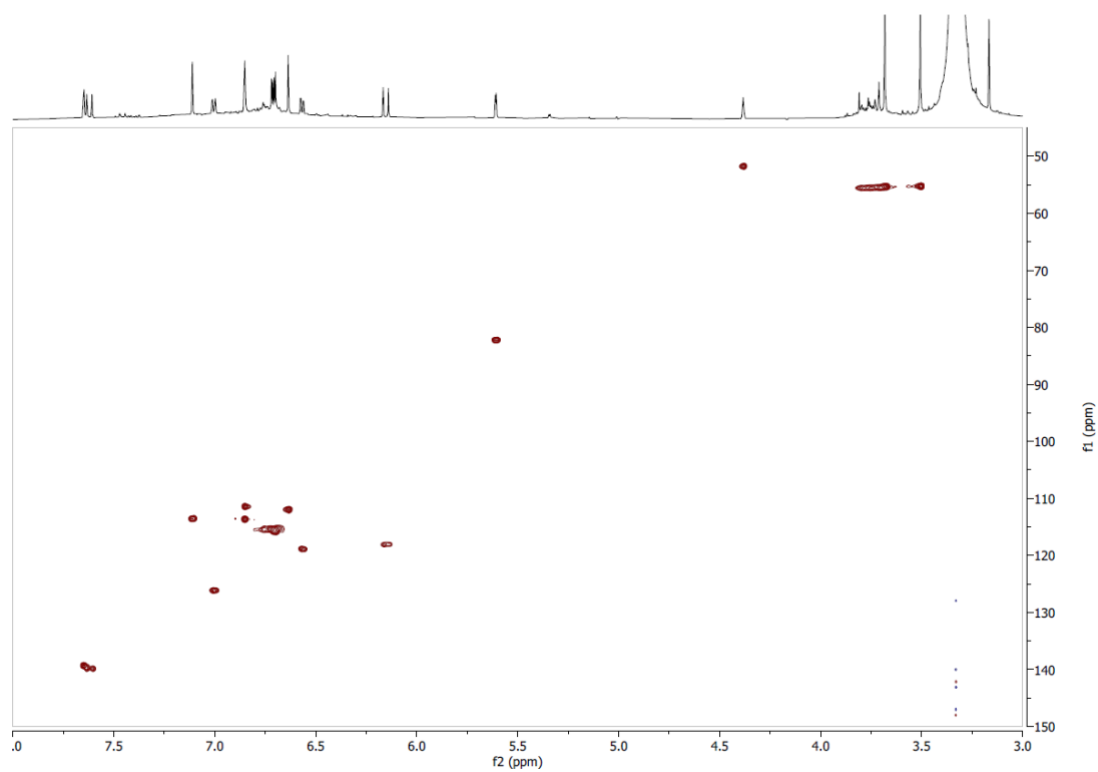
Supplementary Figure 113. ROESY NMR spectrum of compound **20** in DMSO- d_6



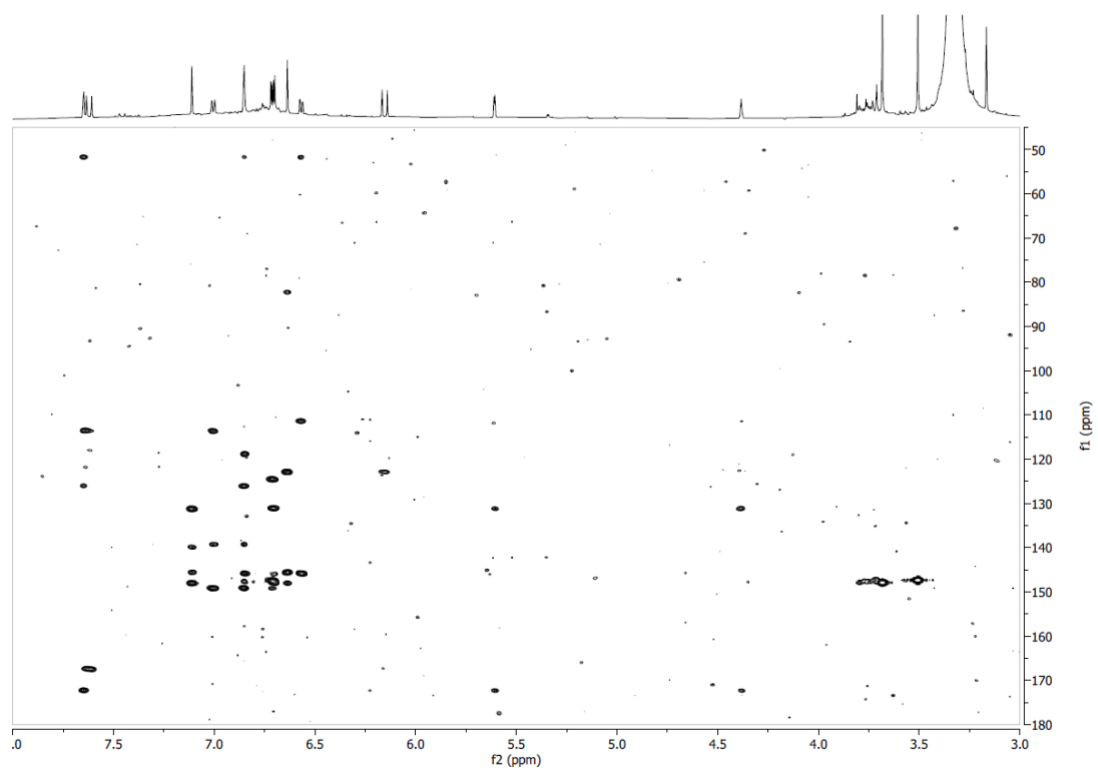
Supplementary Figure 114. ¹H NMR spectrum of compound **21** in DMSO-*d*₆ at 600 MHz



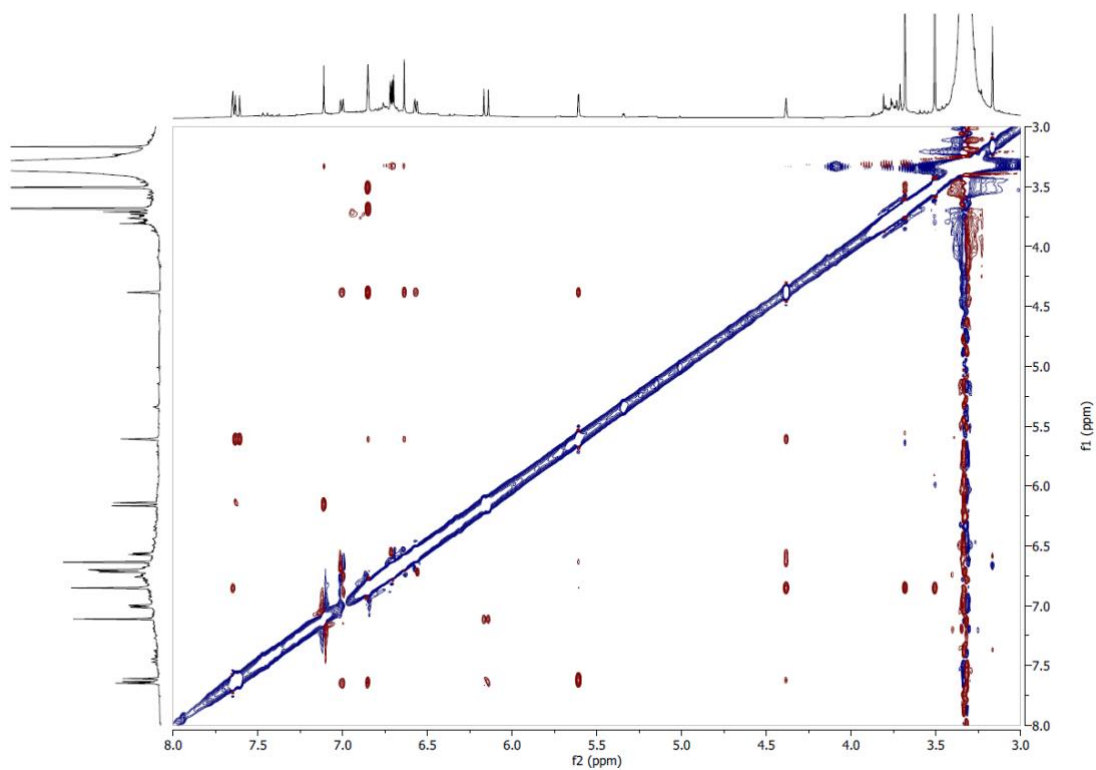
Supplementary Figure 115. COSY NMR spectrum of compound **21** in DMSO-*d*₆



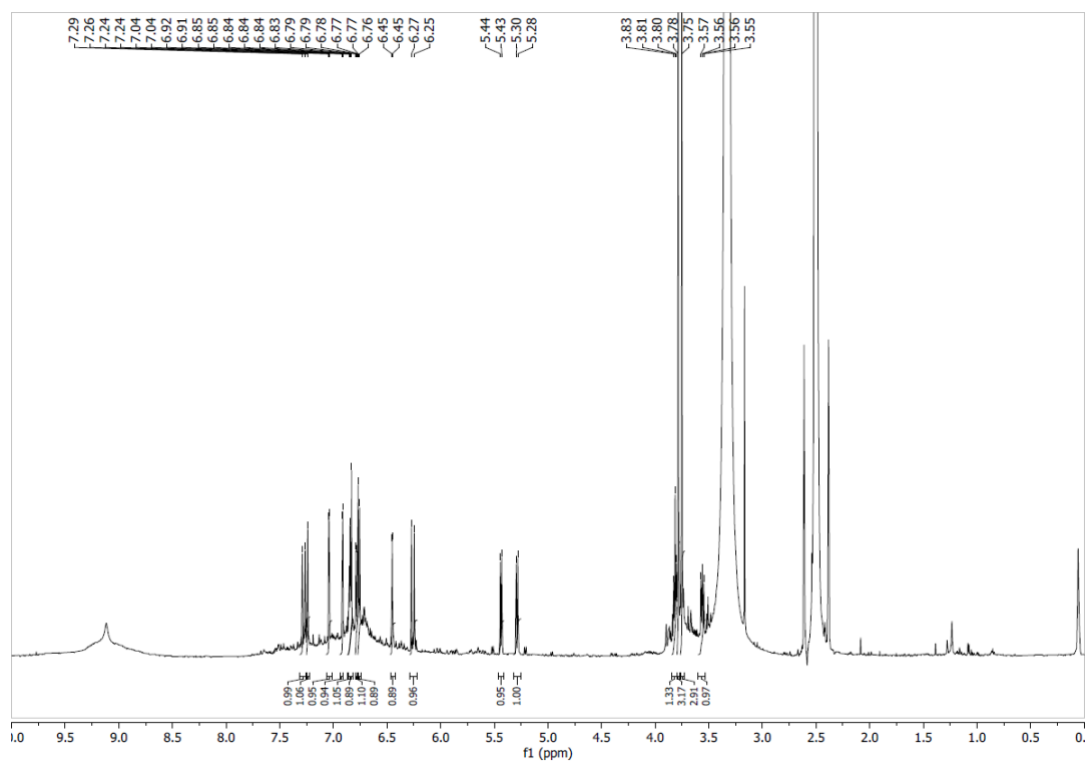
Supplementary Figure 116. Edited-HSQC NMR spectrum of compound **21** in DMSO- d_6



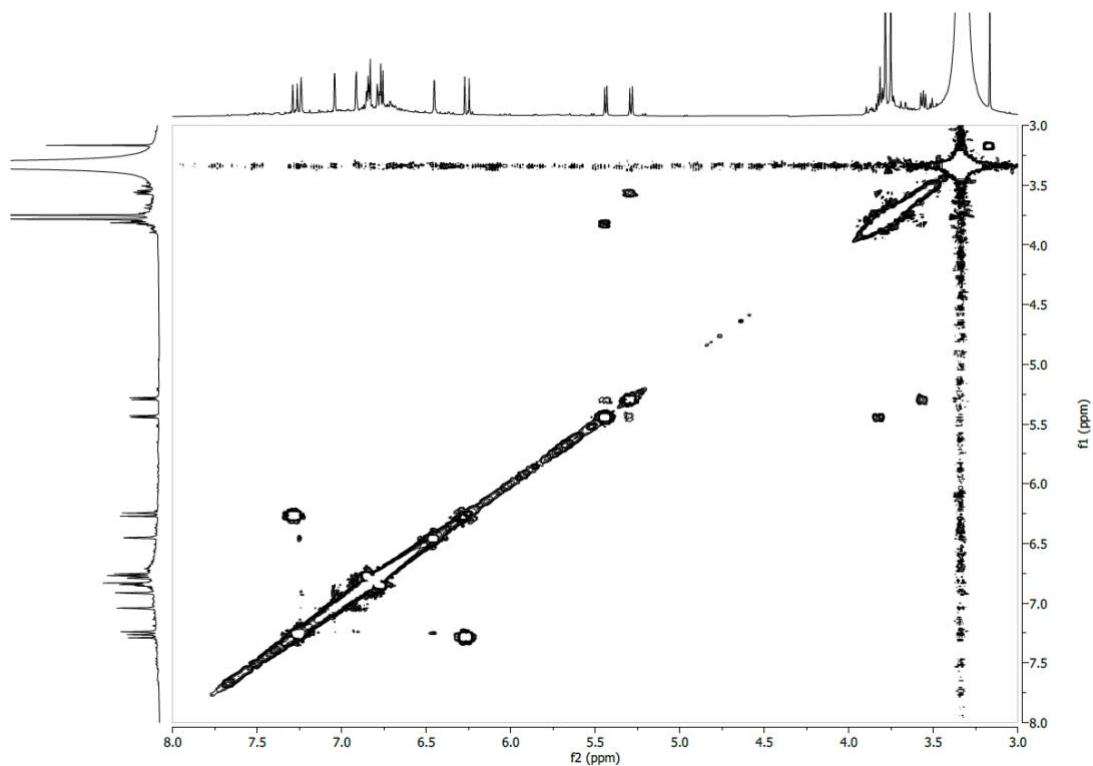
Supplementary Figure 117. HMBC NMR spectrum of compound **21** in DMSO- d_6



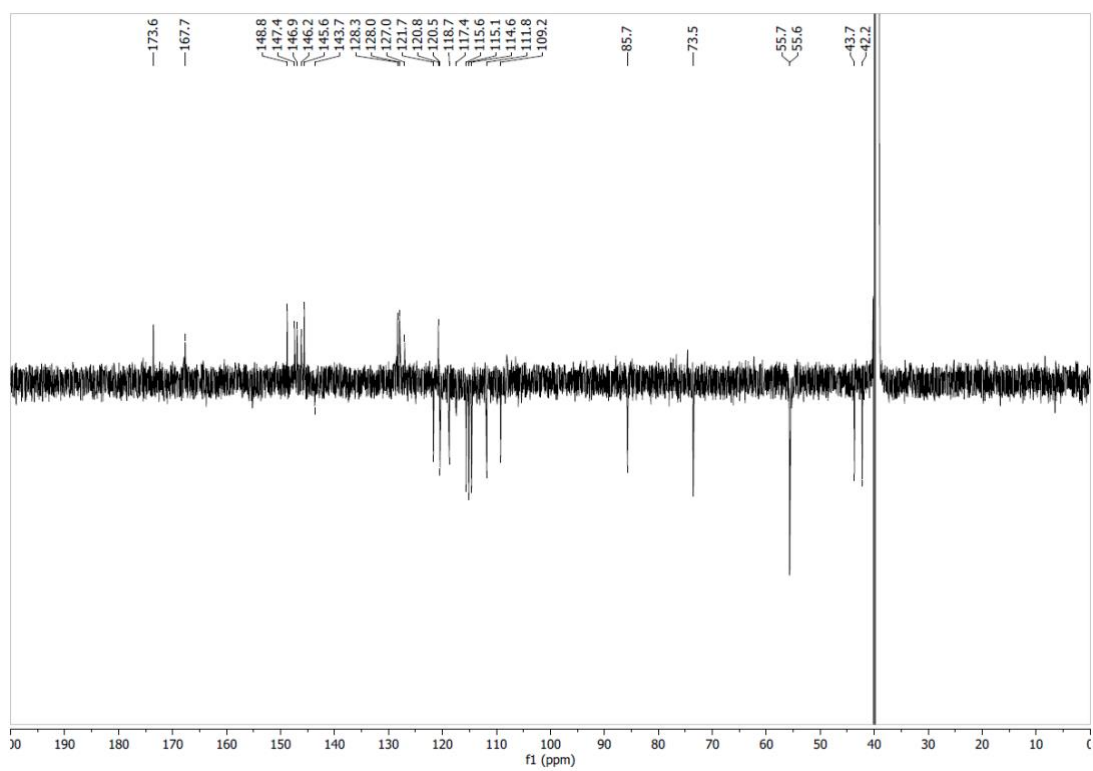
Supplementary Figure 118. ROESY NMR spectrum of compound **21** in DMSO- d_6



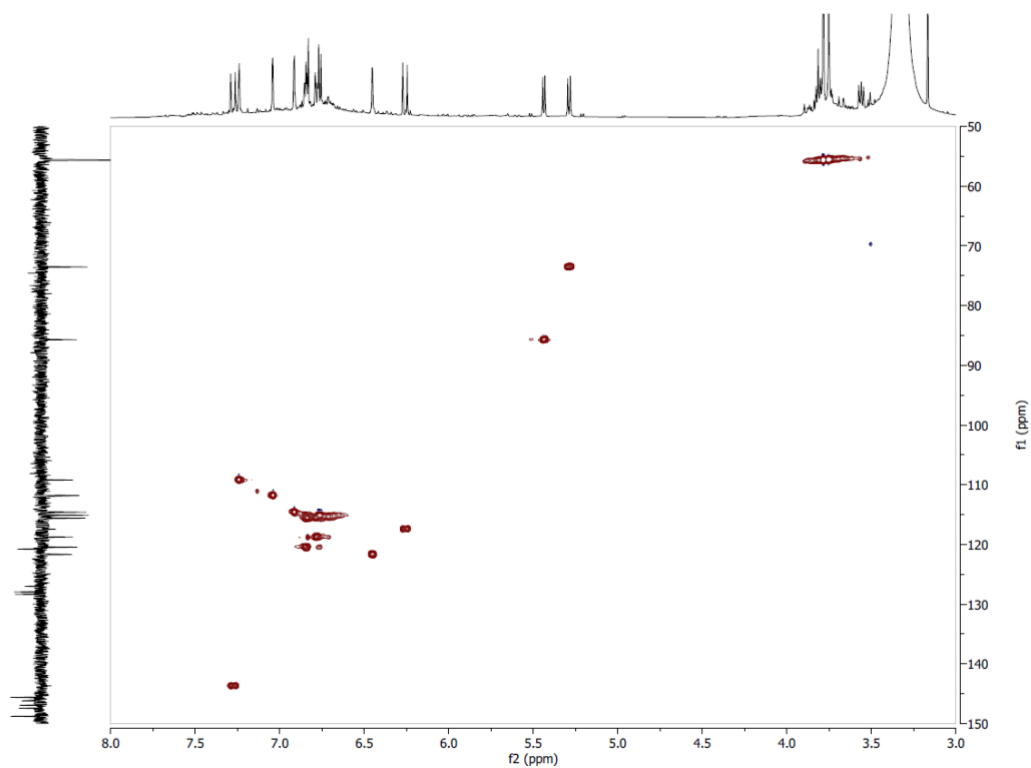
Supplementary Figure 119. ^1H NMR spectrum of compound **22** in DMSO- d_6 at 600 MHz



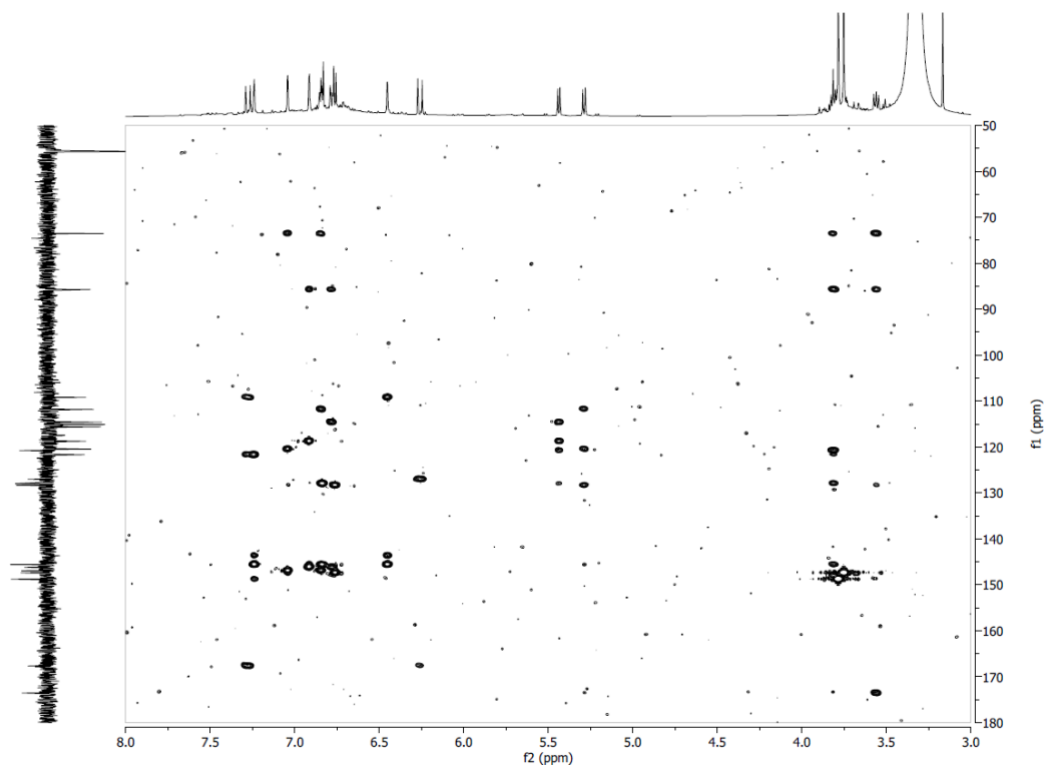
Supplementary Figure 120. COSY NMR spectrum of compound **22** in DMSO- d_6



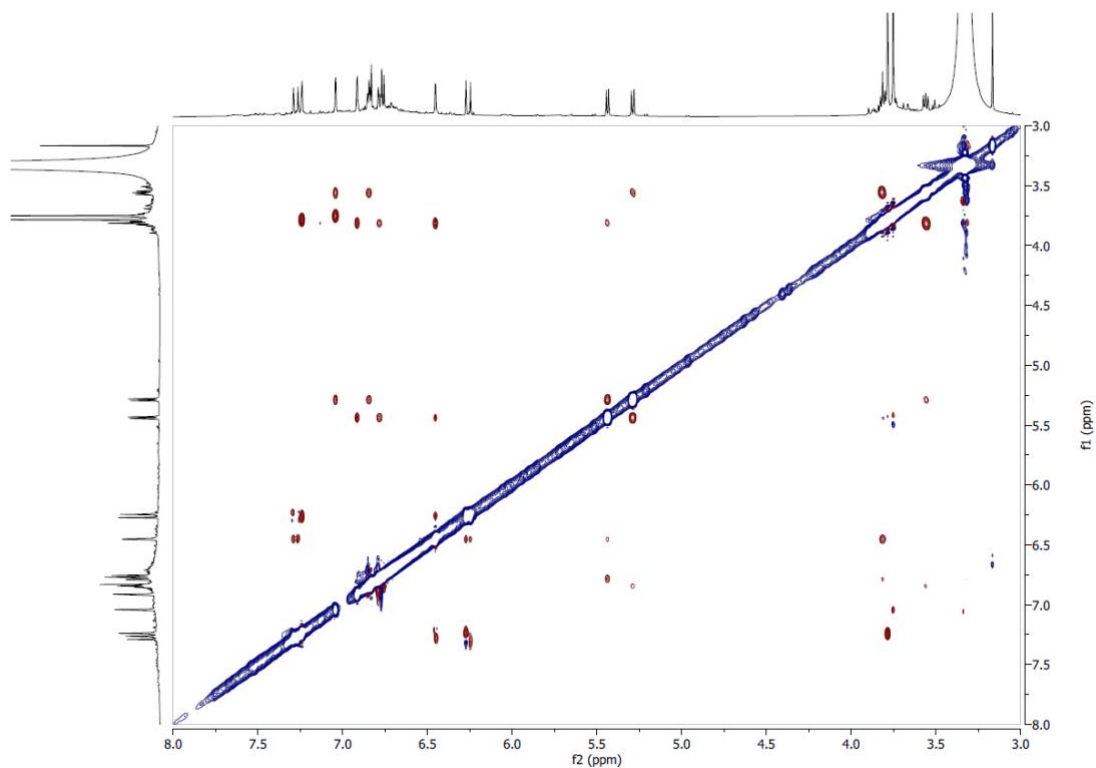
Supplementary Figure 121. ^{13}C -DEPTQ NMR spectrum of compound **22** in DMSO- d_6 at 151 MHz



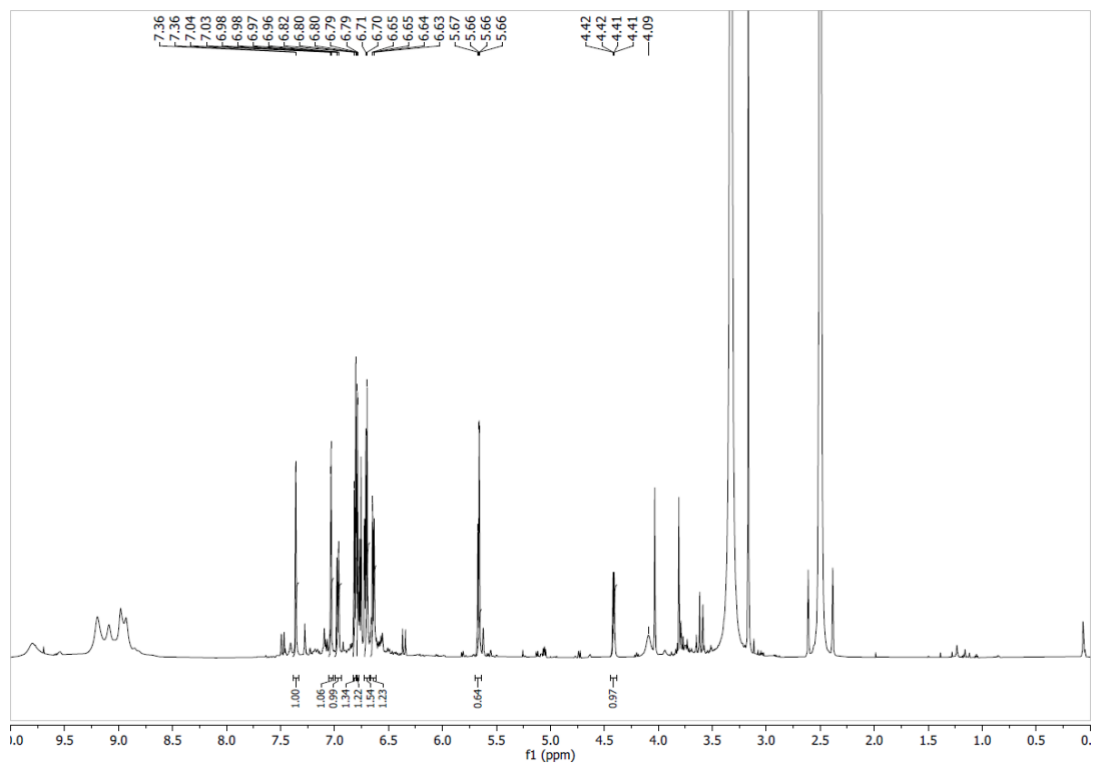
Supplementary Figure 122. Edited-HSQC NMR spectrum of compound **22** in DMSO- d_6



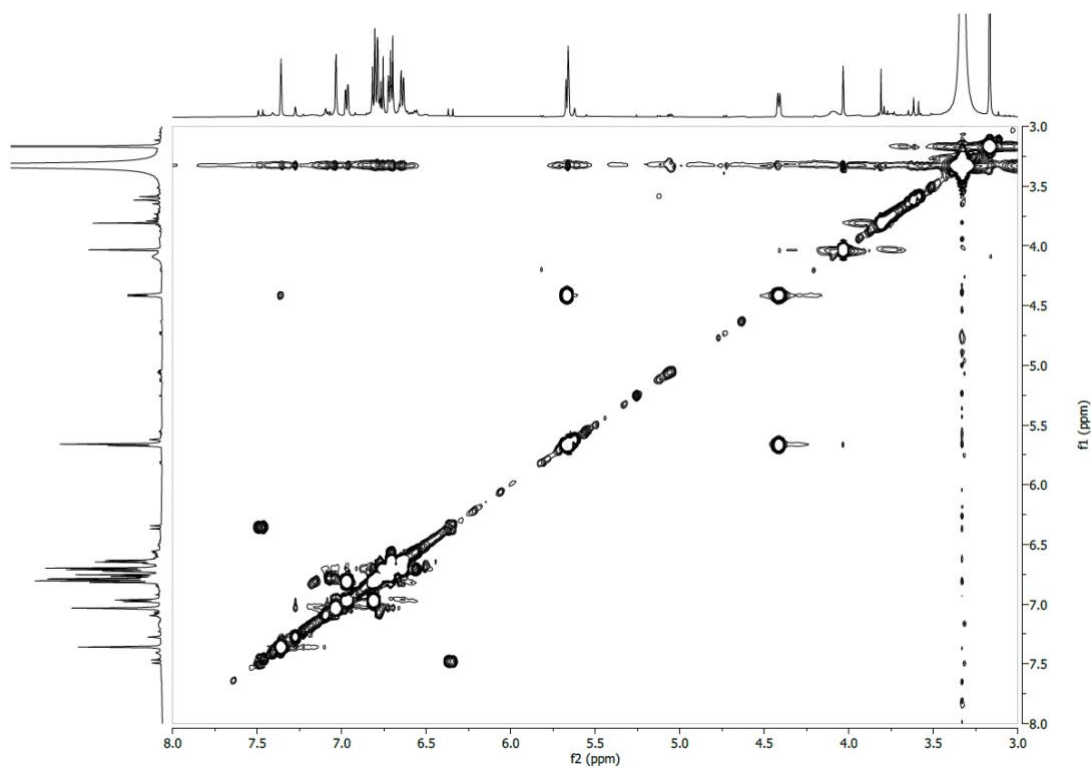
Supplementary Figure 123. HMBC NMR spectrum of compound **22** in DMSO- d_6



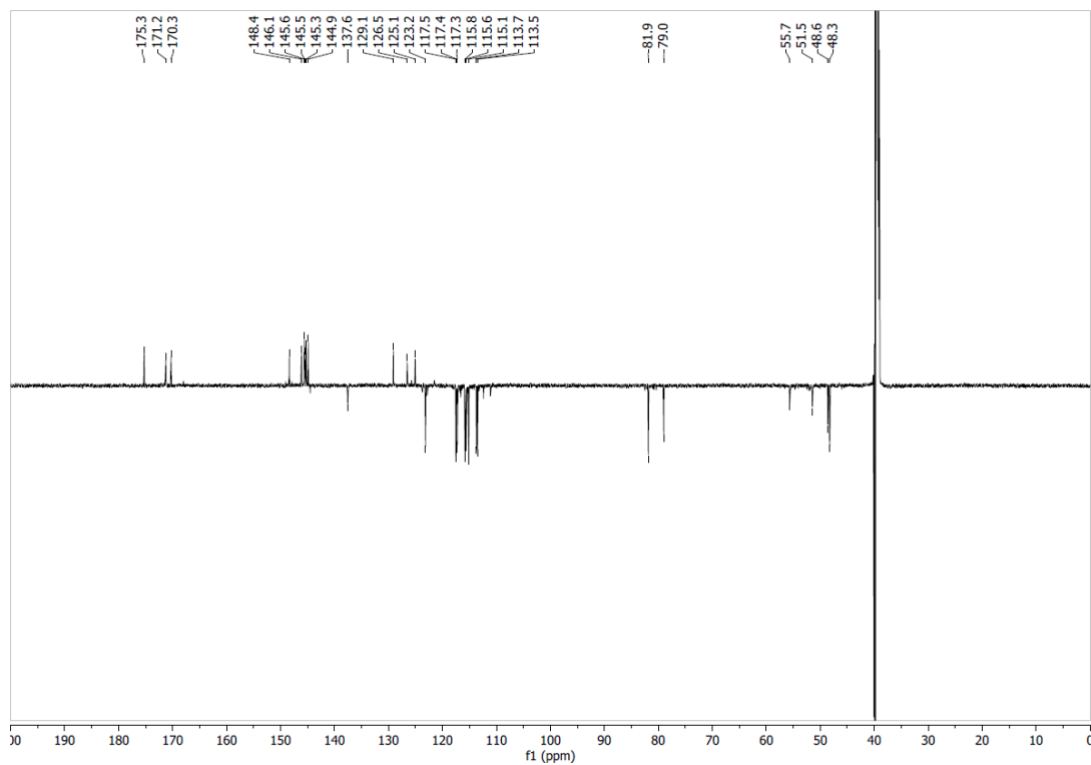
Supplementary Figure 124. ROESY NMR spectrum of compound **22** in DMSO- d_6



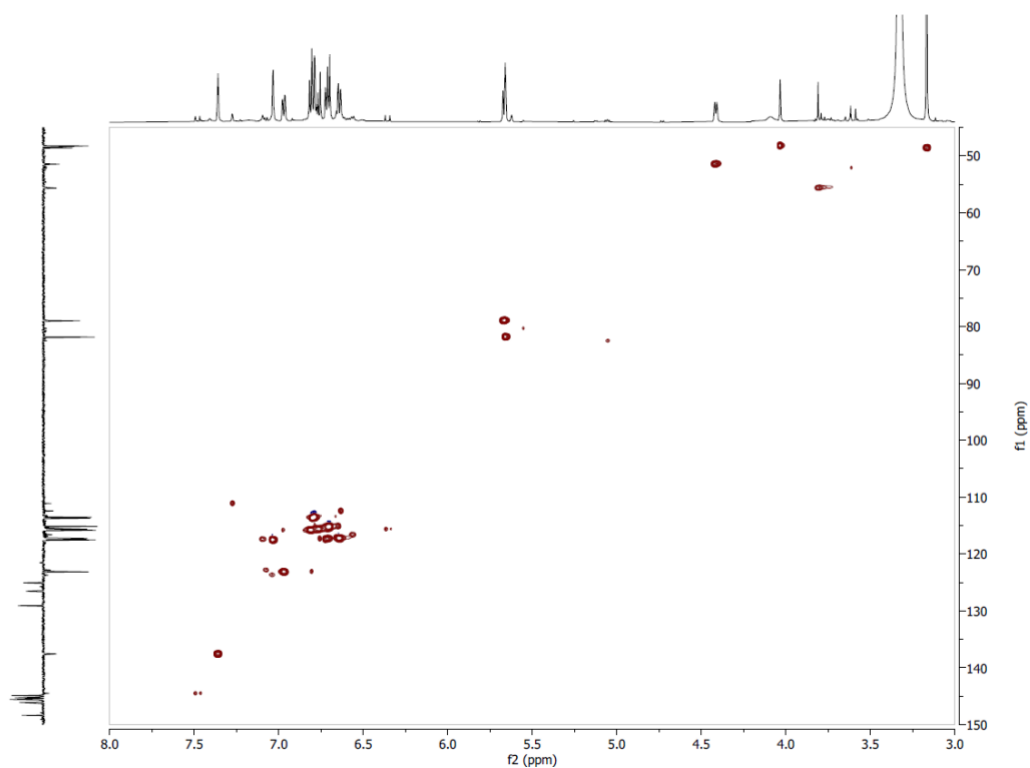
Supplementary Figure 125. ^1H NMR spectrum of compound **23** in DMSO- d_6 at 600 MHz



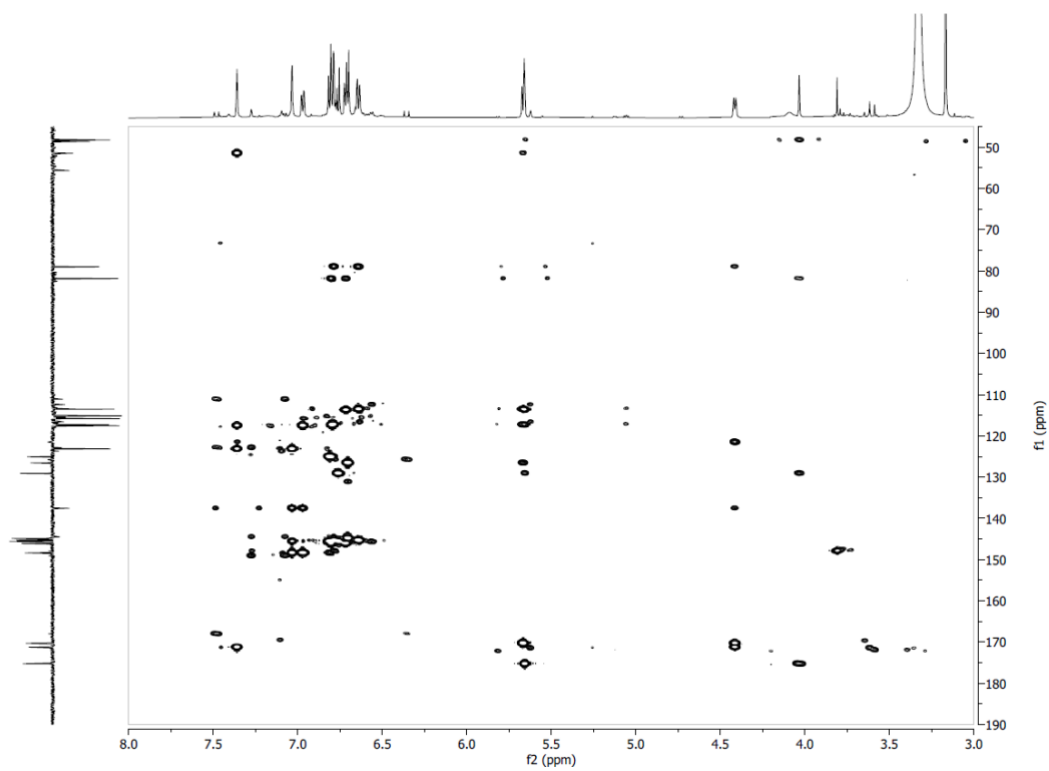
Supplementary Figure 126. COSY NMR spectrum of compound **23** in DMSO- d_6



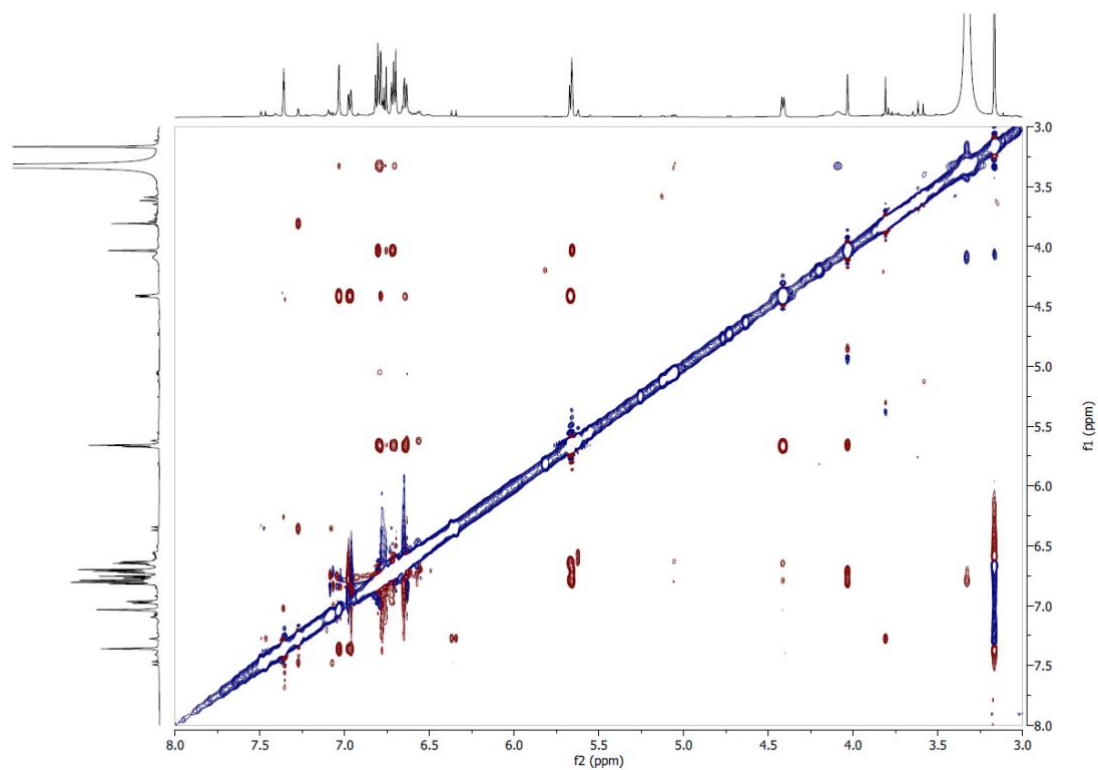
Supplementary Figure 127. ^{13}C -DEPTQ NMR spectrum of compound **23** in DMSO- d_6 at 151 MHz



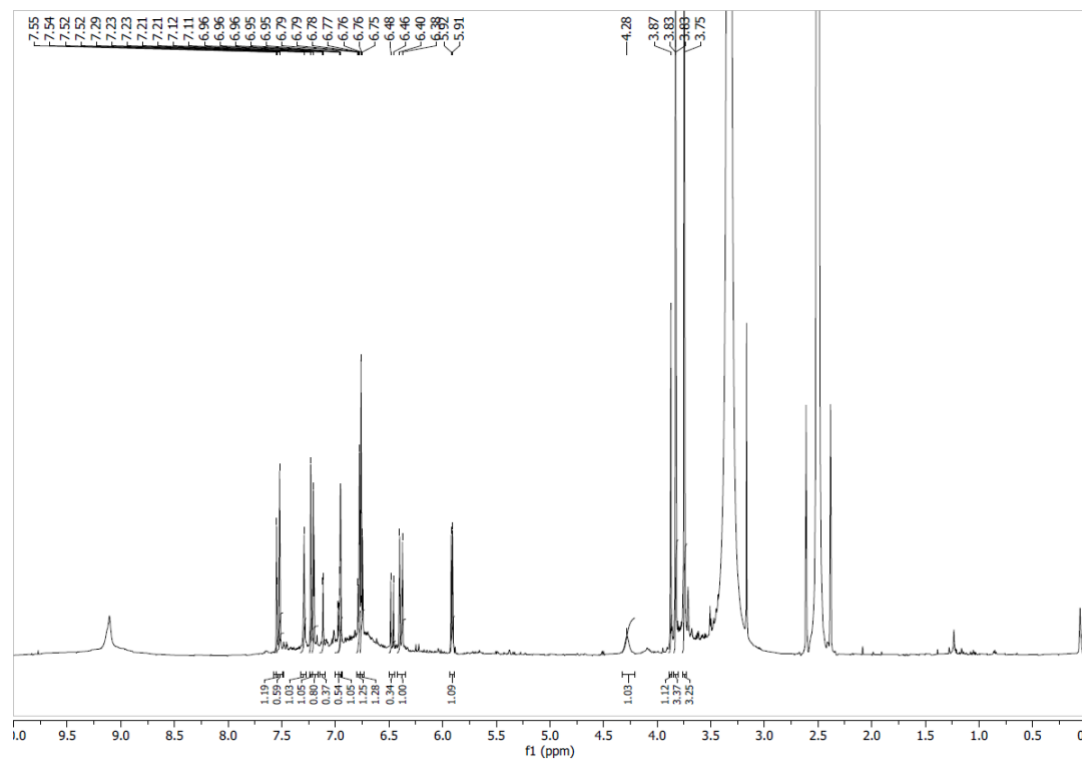
Supplementary Figure 128. Edited-HSQC NMR spectrum of compound **23** in DMSO- d_6



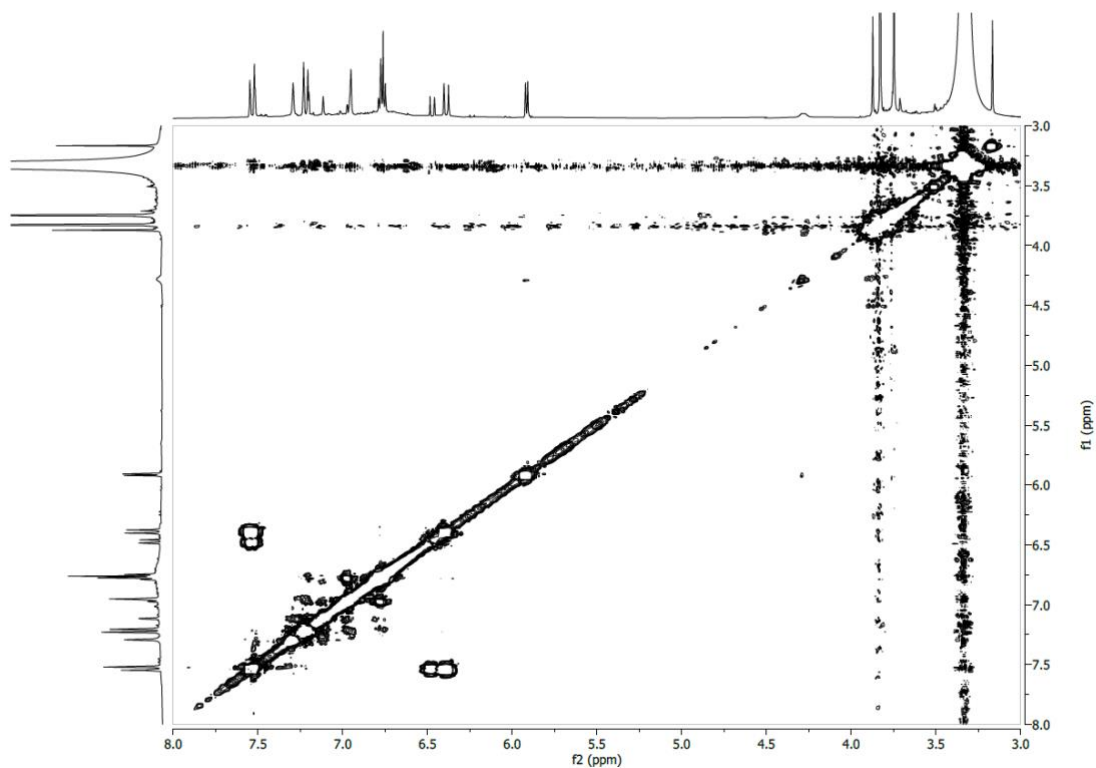
Supplementary Figure 129. HMBC NMR spectrum of compound **23** in DMSO- d_6



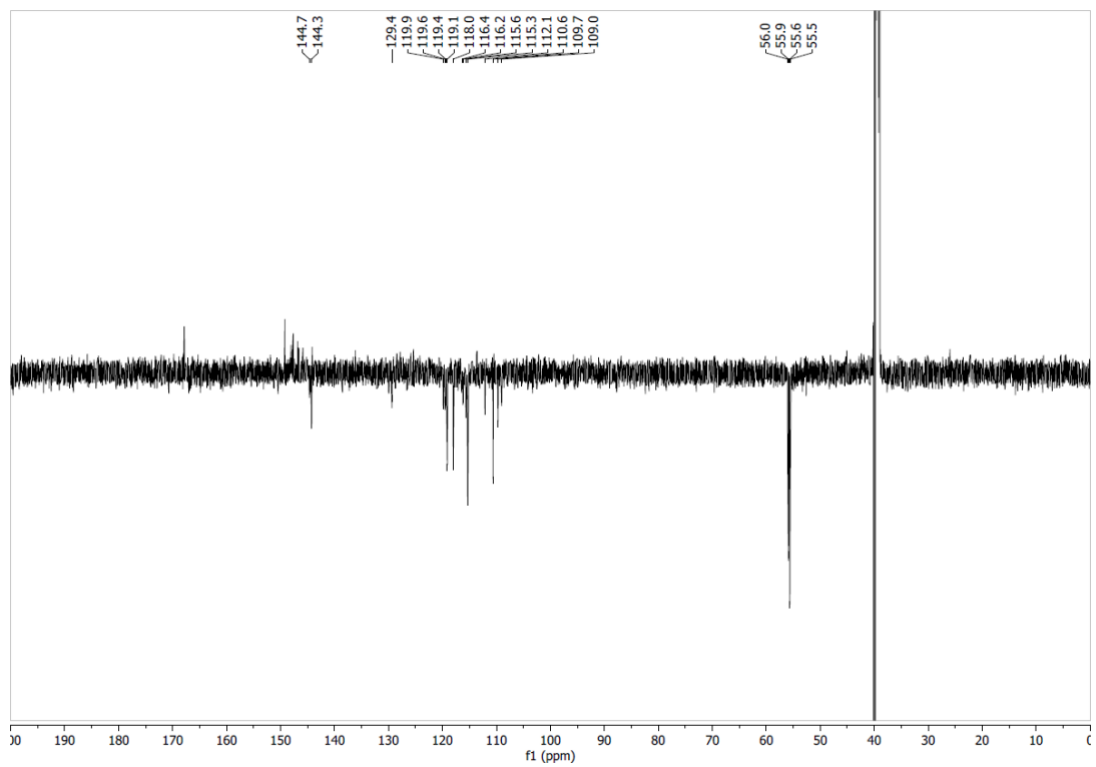
Supplementary Figure 130. ROESY NMR spectrum of compound **23** in DMSO- d_6



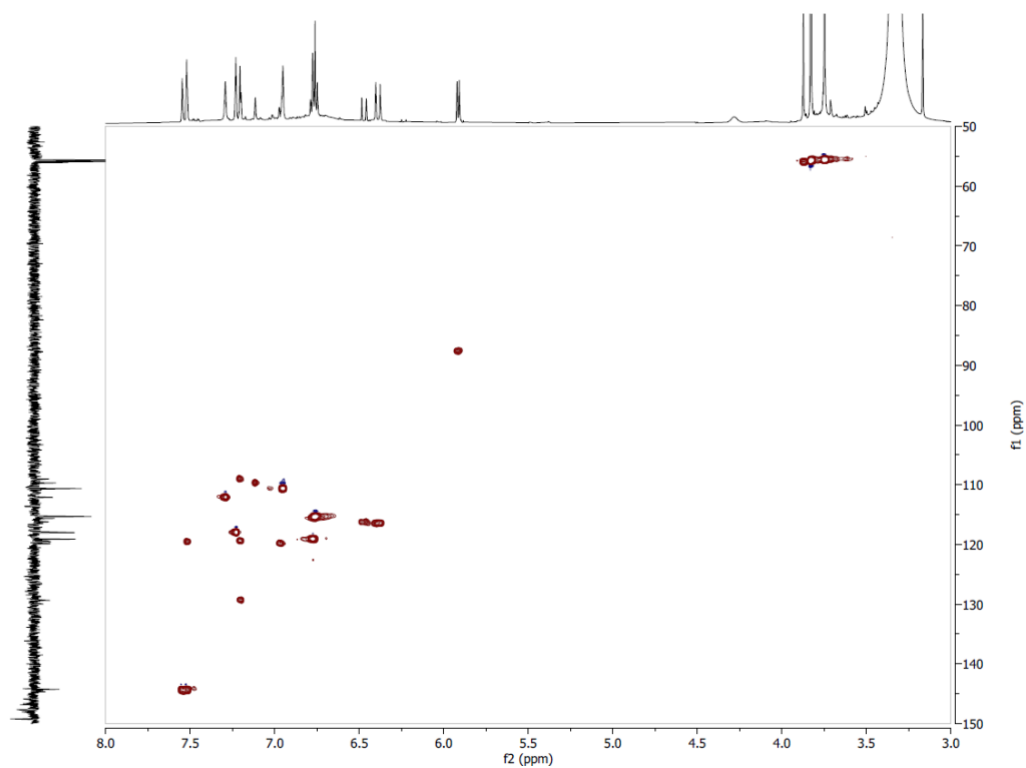
Supplementary Figure 131. ^1H NMR spectrum of compound **24** in DMSO- d_6 at 600 MHz



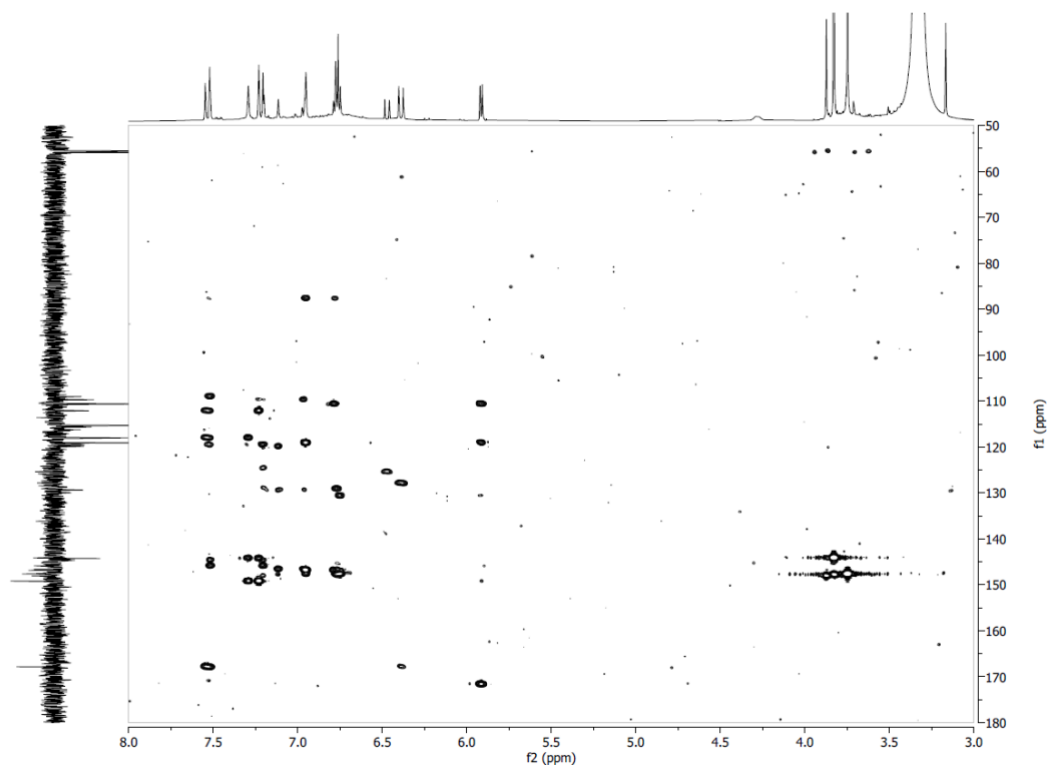
Supplementary Figure 132. COSY NMR spectrum of compound **24** in DMSO- d_6



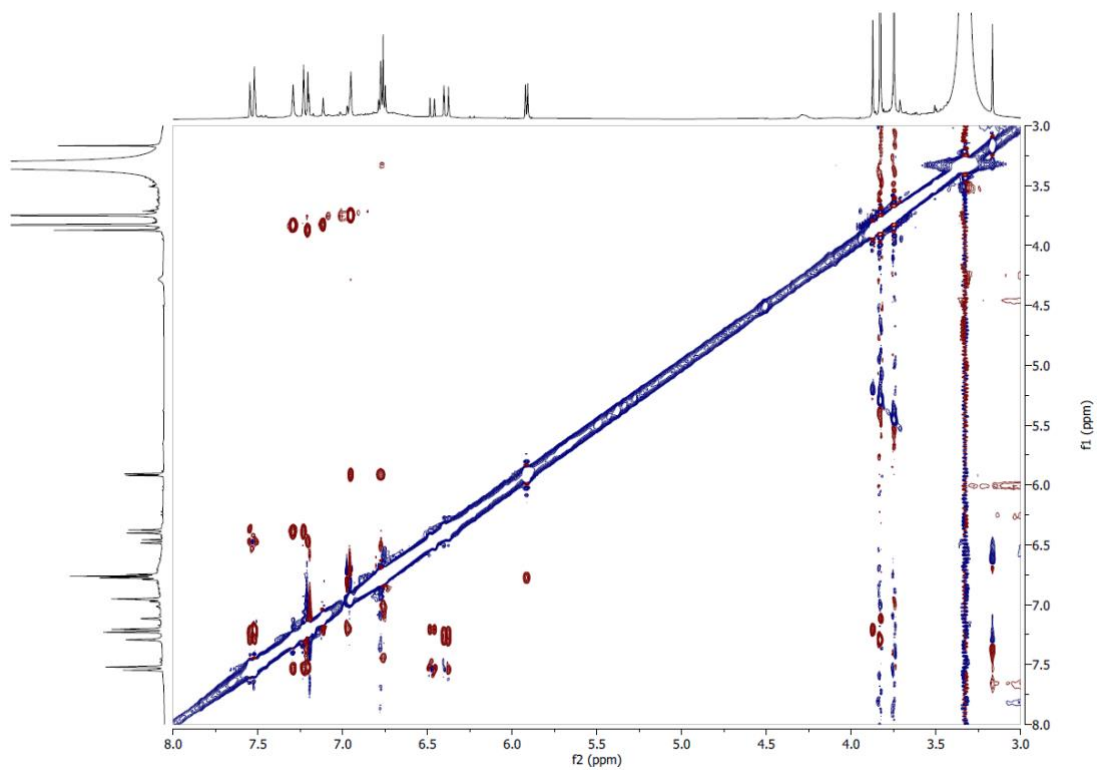
Supplementary Figure 133. ^{13}C -DEPTQ NMR spectrum of compound **24** in DMSO- d_6 at 151 MHz



Supplementary Figure 134. Edited-HSQC NMR spectrum of compound **24** in DMSO- d_6



Supplementary Figure 135. HMBC NMR spectrum of compound **24** in DMSO- d_6



Supplementary Figure 136. ROESY NMR spectrum of compound **24** in DMSO- d_6

Supplementary Table 1. Chromatographic conditions optimized at the UHPLC level and transferred to the analytical and semipreparative HPLC scale

Biotrans. reaction	UHPLC (100 x 2.1 mm i.d., 1.7 μ m)				HPLC (250 x 4.6 mm i.d., 5 μ m)				Semipreparative HPLC (250 x 19 mm i.d., 5 μ m)			
	Flow-rate (mL/min)	%A	%B	Time (min)	Flow-rate (mL/min)	%A	%B	Time (min)	Flow-rate (mL/min)	%A	%B	Time (min)
Caffeic acid	0.4	95	5	0	1	95	5	0	17	95	5	0
		95	5	0.05		40	60	60		40	60	60
		40	60	12.92		0	100	61		0	100	61
		0	100	13.14		0	100	70		0	100	70
		0	100	15.07								
Ferulic acid	0.4	70	30	0	1	70	30	0	17	70	30	0
		70	30	0.05		45	55	30		45	55	30
		45	55	6.49		35	65	60		35	65	60
		35	65	12.92		0	100	61		0	100	61
		0	100	13.14		0	100	70		0	100	70
Mixture caffeic/ferulic acid	0.4	80	20	0	1	80	20	0	17	80	20	0
		80	20	0.05		40	60	60		40	60	60
		40	60	12.92		0	100	61		0	100	61
		0	100	13.14		0	100	70		0	100	70
		0	100	15.07								