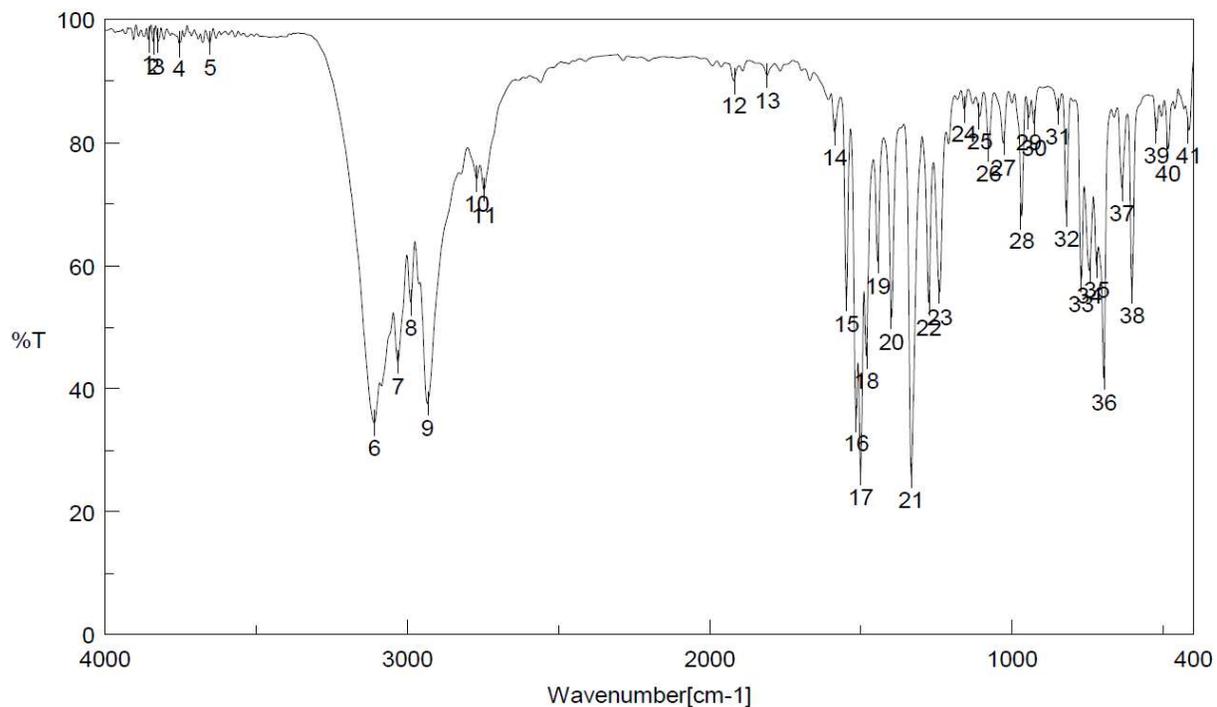


Supplementary Materials:



1: 3857.9, 96.8392	2: 3841.51, 96.454	3: 3824.15, 96.5053
4: 3754.73, 96.0992	5: 3653.48, 96.252	6: 3109.65, 34.4465
7: 3031.55, 44.3997	8: 2989.12, 54.0434	9: 2934.16, 37.6293
10: 2771.21, 74.1128	11: 2747.1, 72.3265	12: 1920.75, 90.0573
13: 1809.87, 90.9847	14: 1586.16, 81.6968	15: 1547.59, 54.5559
16: 1515.78, 35.1811	17: 1500.35, 26.3908	18: 1482.03, 45.3565
19: 1444.42, 60.6882	20: 1399.1, 51.6141	21: 1333.53, 25.9243
22: 1275.68, 54.0415	23: 1240, 55.7116	24: 1158.04, 85.4651
25: 1106.94, 84.2797	26: 1077.05, 79.0401	27: 1028.84, 79.9479
28: 968.09, 68.0758	29: 944.949, 84.113	30: 927.593, 83.1571
31: 848.525, 85.0804	32: 819.598, 68.4528	33: 771.387, 57.8268
34: 744.388, 59.2171	35: 720.282, 60.086	36: 696.177, 41.7412
37: 636.394, 72.5918	38: 602.646, 55.9087	39: 522.615, 81.9207
40: 484.045, 78.9843		

Figure S1. FT-IR spectrum of compound 4;

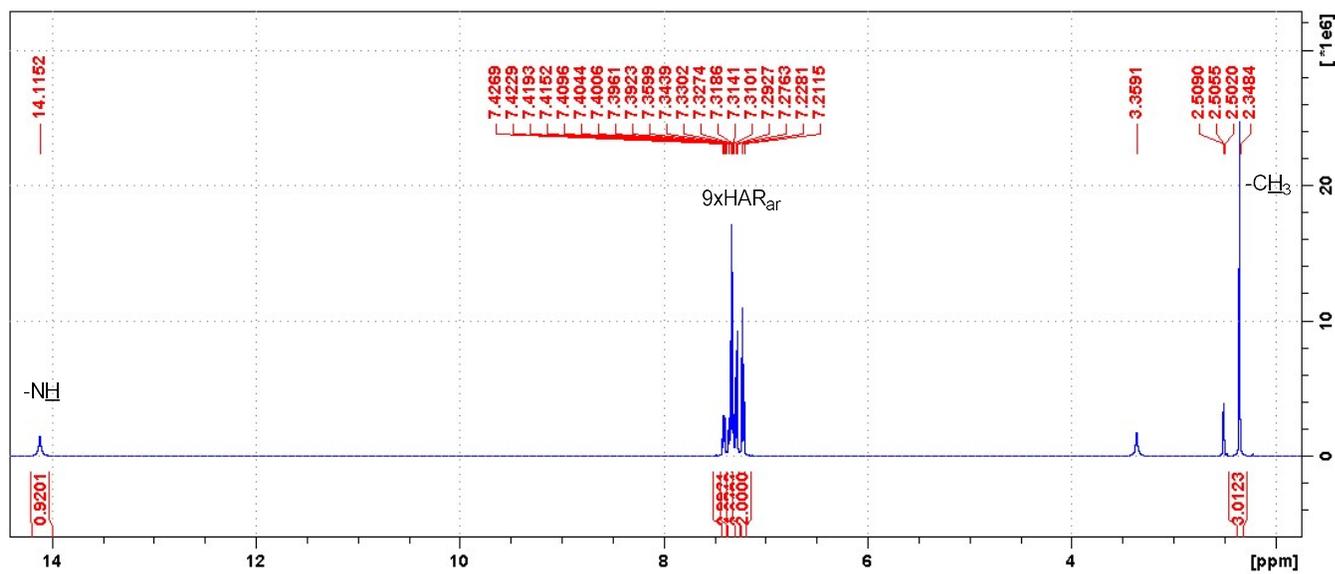


Figure S2. ^1H NMR spectrum of compound 4 in $\text{DMSO-}d_6$

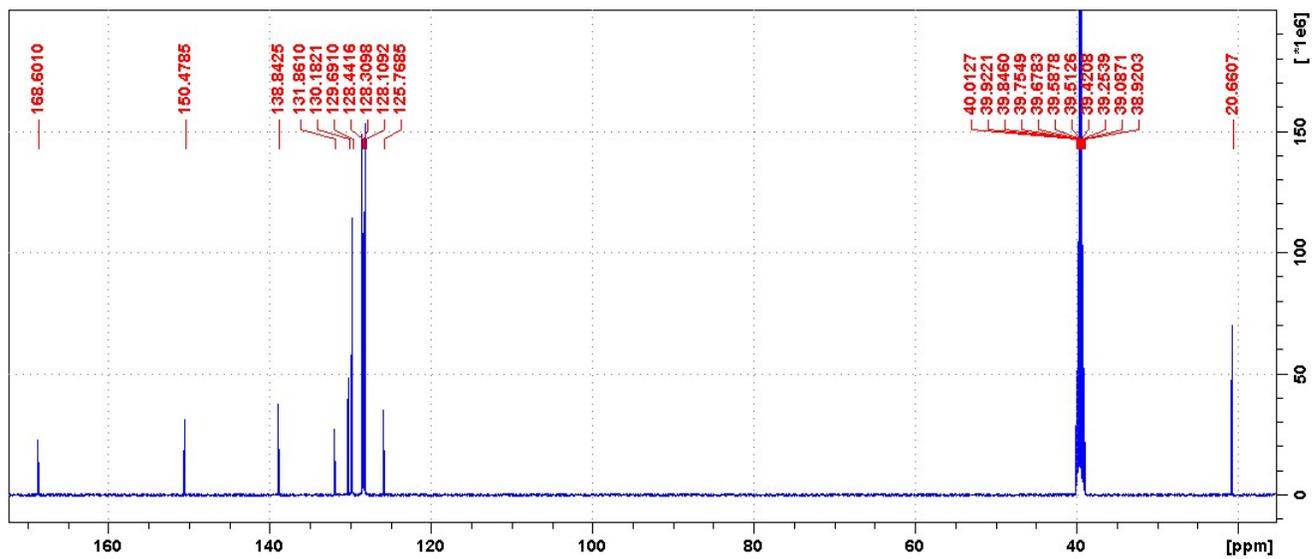
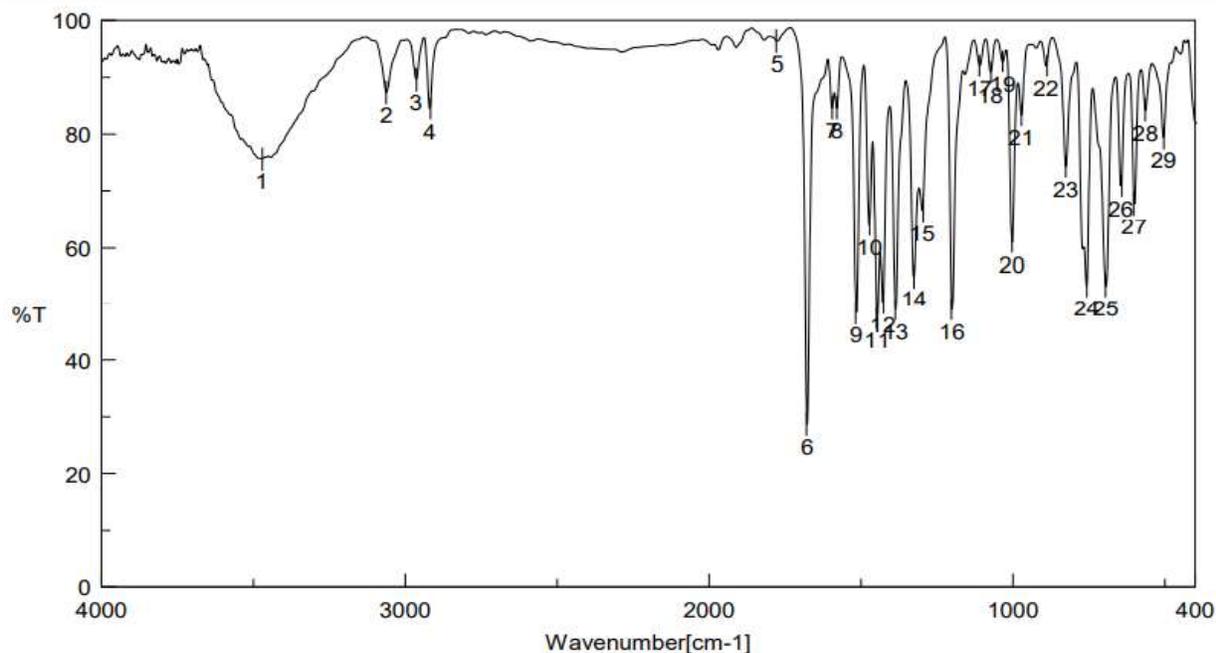


Figure S3. ^{13}C NMR spectrum of compound 4 in $\text{DMSO-}d_6$



1: 3472.2, 75.6896	2: 3061.44, 87.4059	3: 2964.05, 89.6689
4: 2919.7, 84.5015	5: 1775.15, 96.4146	6: 1676.8, 28.7145
7: 1595.81, 84.6082	8: 1579.41, 84.6197	9: 1514.81, 48.457
10: 1472.38, 64.0612	11: 1446.35, 47.4226	12: 1428.03, 50.3666
13: 1385.6, 48.9787	14: 1325.82, 54.833	15: 1298.82, 66.6118
16: 1199.51, 48.9488	17: 1108.87, 92.091	18: 1073.19, 90.9477
19: 1032.69, 92.7206	20: 1002.8, 61.0281	21: 971.947, 83.3424
22: 890.952, 91.9921	23: 825.384, 74.3	24: 756.923, 53.2042
25: 693.284, 53.243	26: 644.108, 70.9026	27: 599.753, 67.7155
28: 563.112, 84.2412	29: 504.294, 79.4669	

Figure S4. FT-IR spectrum of compound **5**;

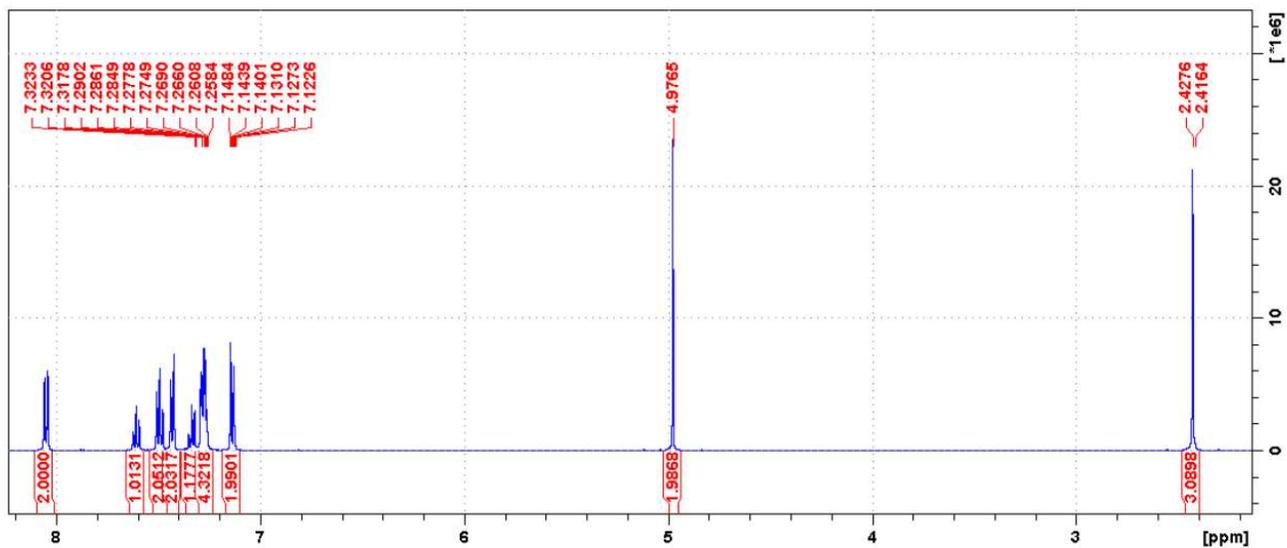


Figure S5. ^1H NMR spectrum of compound **5** in CDCl_3 ;

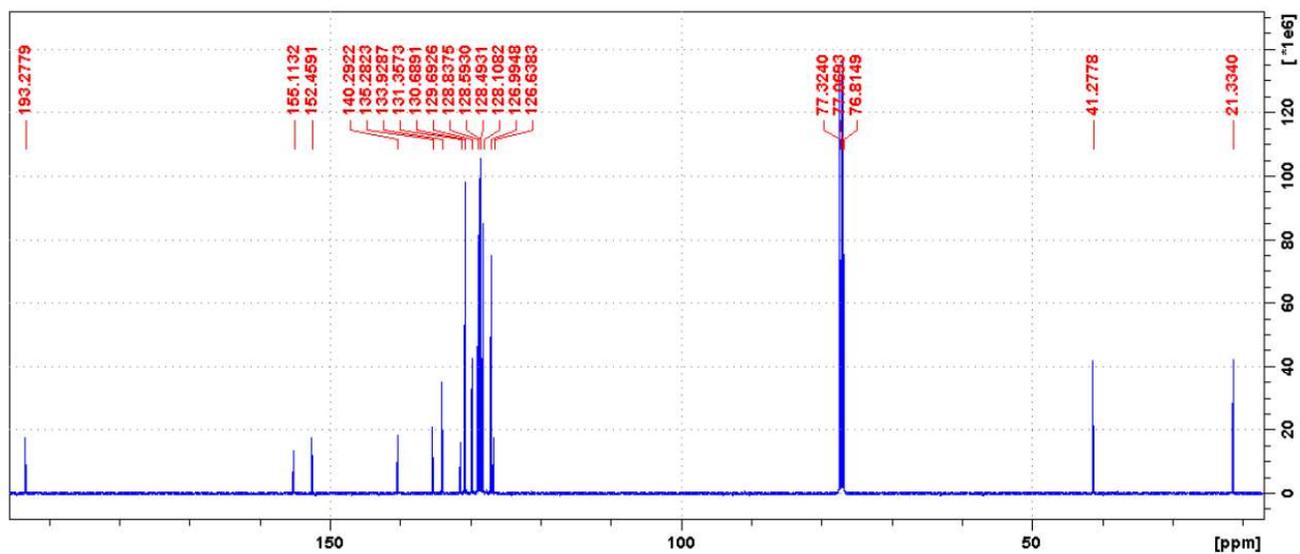


Figure S6. ^{13}C NMR spectrum of compound **5** in CDCl_3 ;

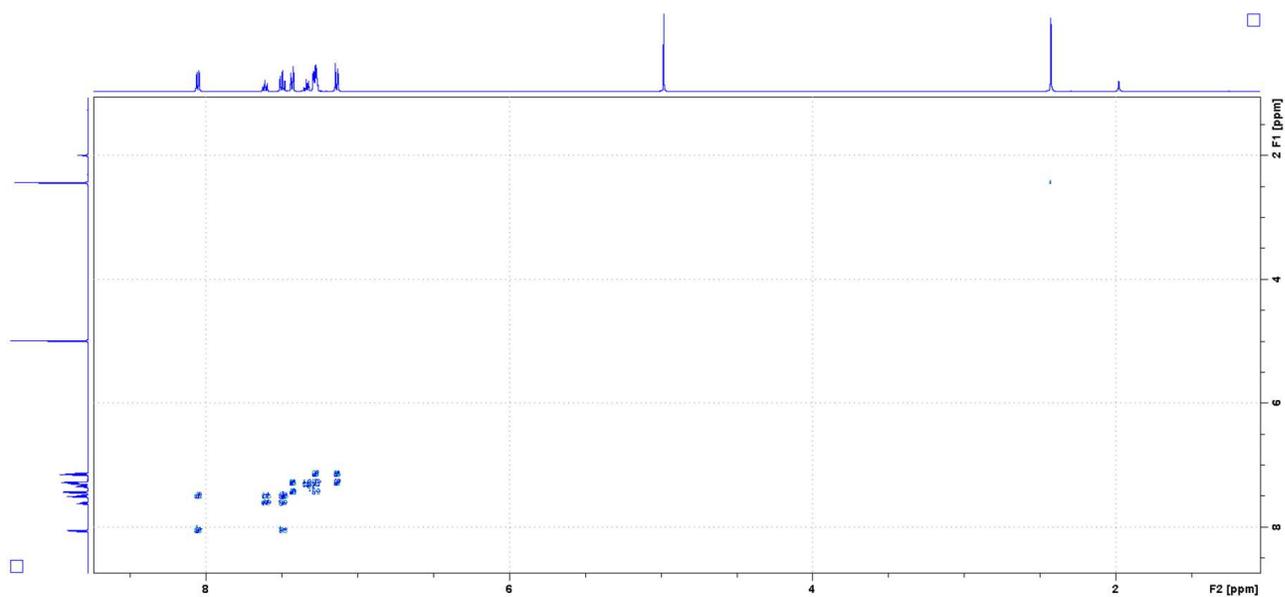


Figure S7. COSY ^1H - ^1H spectrum of compound **5** in CDCl_3 ;

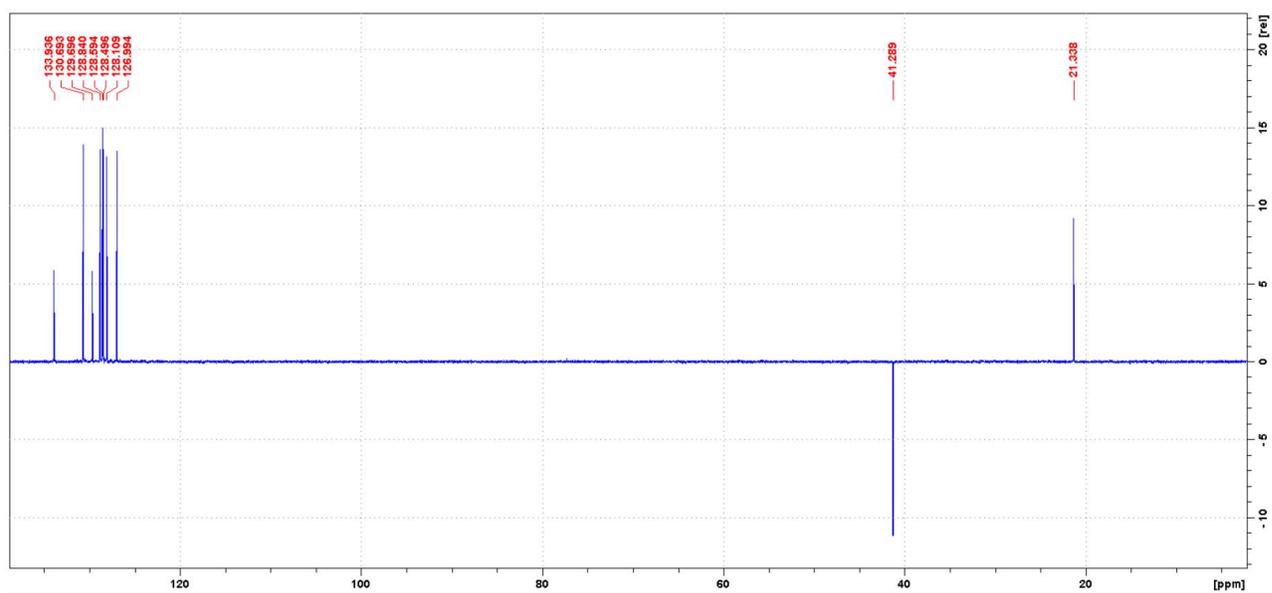


Figure S8. ^{13}C DEPT135 spectrum of compound **5** in CDCl_3 ;

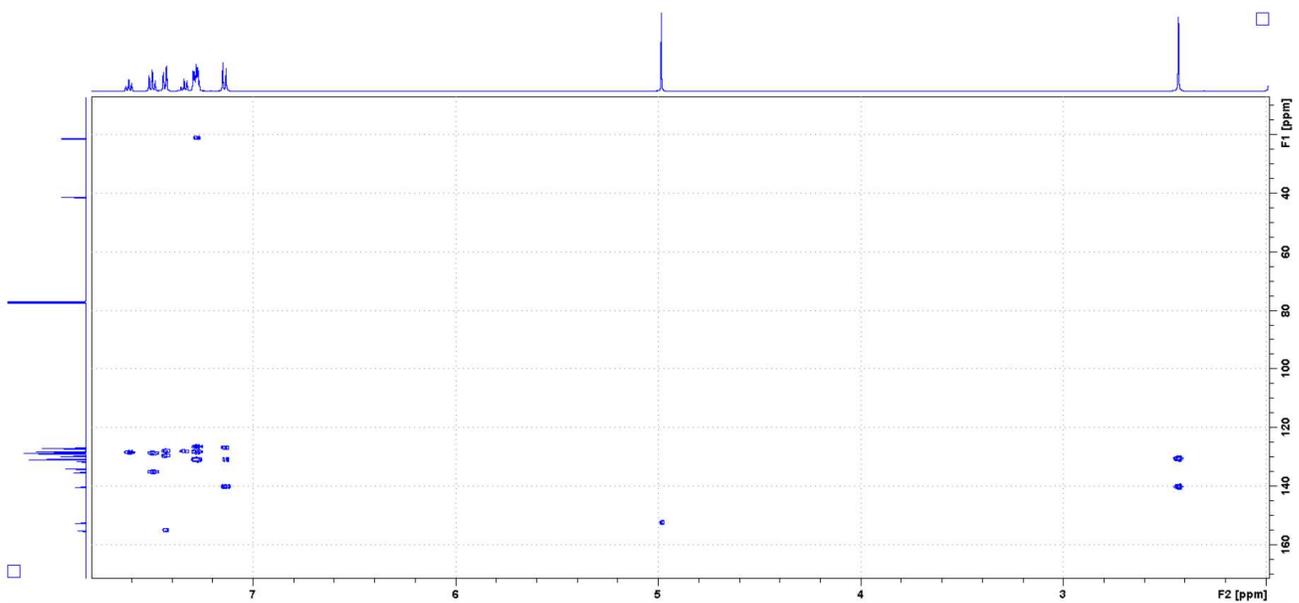


Figure S9. HMBC ^1H - ^{13}C spectrum of compound **5** in CDCl_3 ;

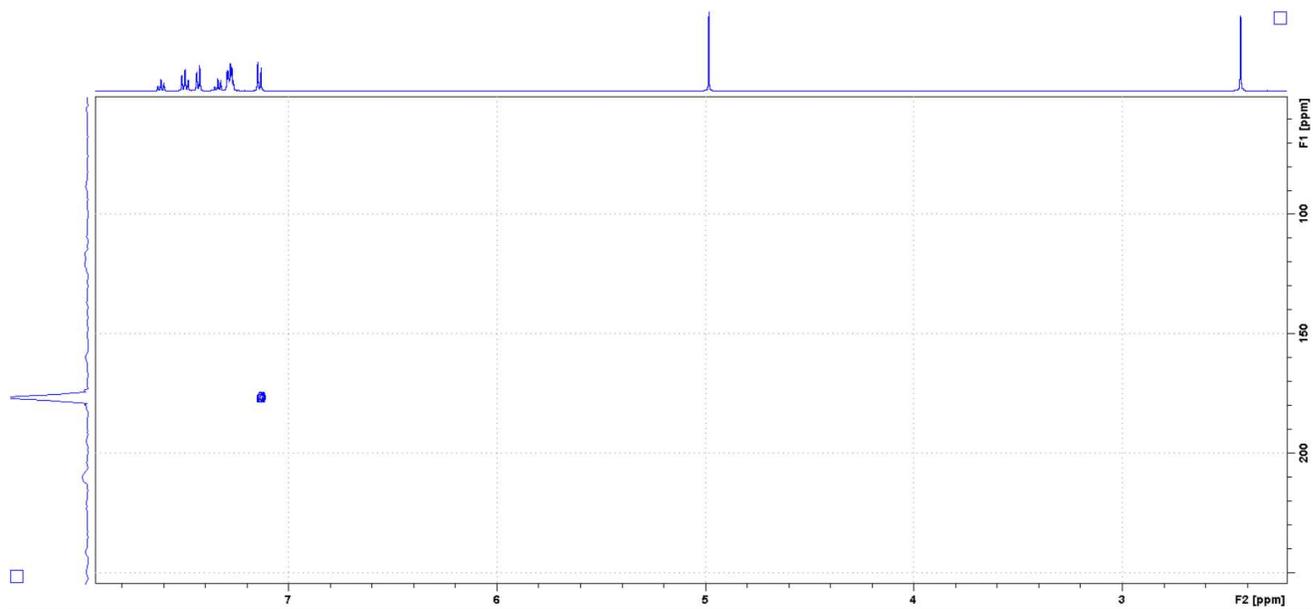


Figure S10. HMBC ^1H - ^{15}N spectrum of compound **5** in CDCl_3 ;

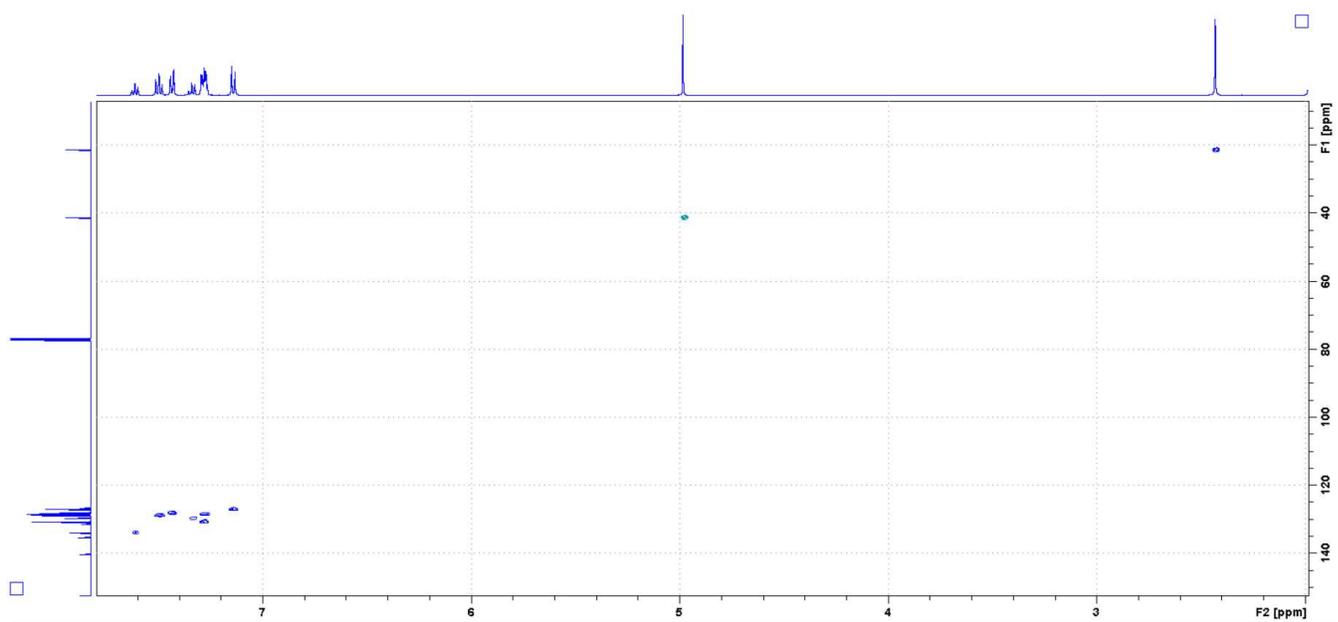
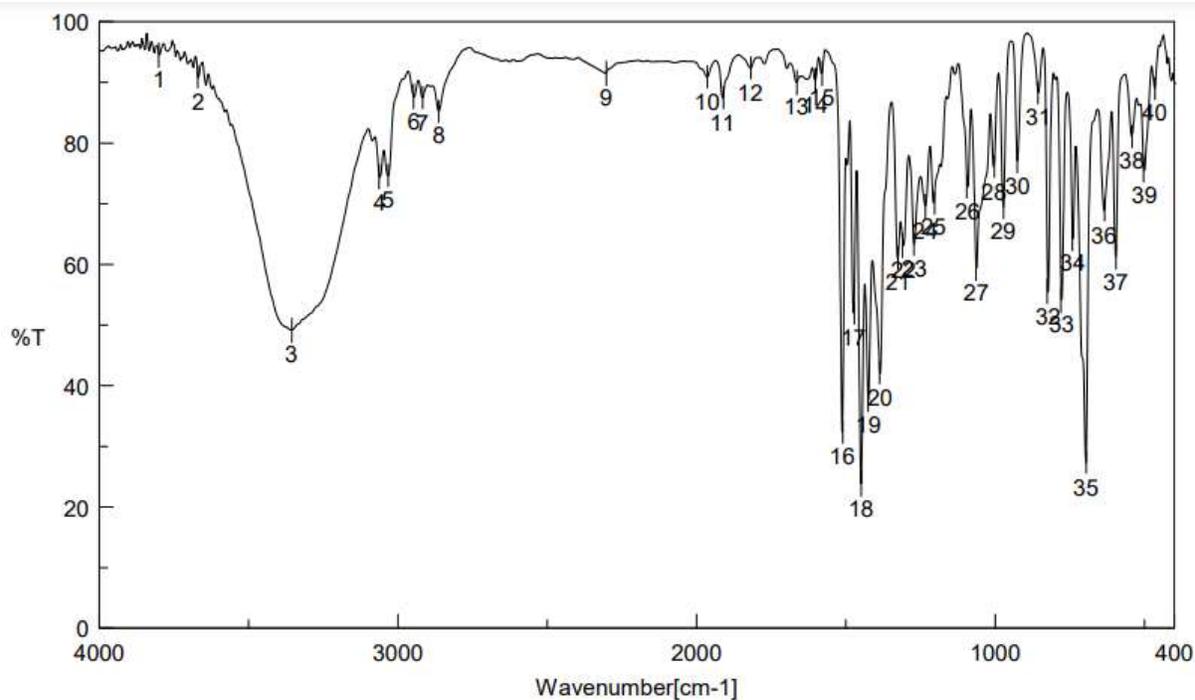


Figure S11. HSQCED ^1H - ^{13}C spectrum of compound **5** in CDCl_3 ;



1: 3799.08, 94.5648	2: 3667.94, 90.8293	3: 3356.5, 49.2151
4: 3059.51, 74.3615	5: 3033.48, 74.6346	6: 2945.73, 87.5946
7: 2917.77, 87.4887	8: 2862.81, 85.3157	9: 2303.55, 91.4636
10: 1965.11, 90.8861	11: 1913.04, 87.4432	12: 1819.51, 92.4402
13: 1665.23, 90.0401	14: 1602.56, 90.3752	15: 1581.34, 91.4672
16: 1511.92, 32.3562	17: 1474.31, 52.0482	18: 1449.24, 23.8485
19: 1425.14, 37.6972	20: 1385.6, 42.0394	21: 1325.82, 61.05
22: 1306.54, 63.1346	23: 1270.86, 63.3527	24: 1234.22, 69.6638
25: 1206.26, 70.1785	26: 1091.51, 72.7865	27: 1062.59, 59.4594
28: 1004.73, 76.0715	29: 972.912, 69.4539	30: 924.7, 77.0815
31: 855.275, 88.3413	32: 822.491, 55.5053	33: 777.172, 54.1087
34: 739.567, 64.3079	35: 696.177, 27.3339	36: 635.43, 68.9409
37: 596.861, 61.2658	38: 541.899, 81.1048	39: 499.473, 75.4962
40: 465.725, 89.0675		

Figure S12. FT-IR spectrum of compound **6**;

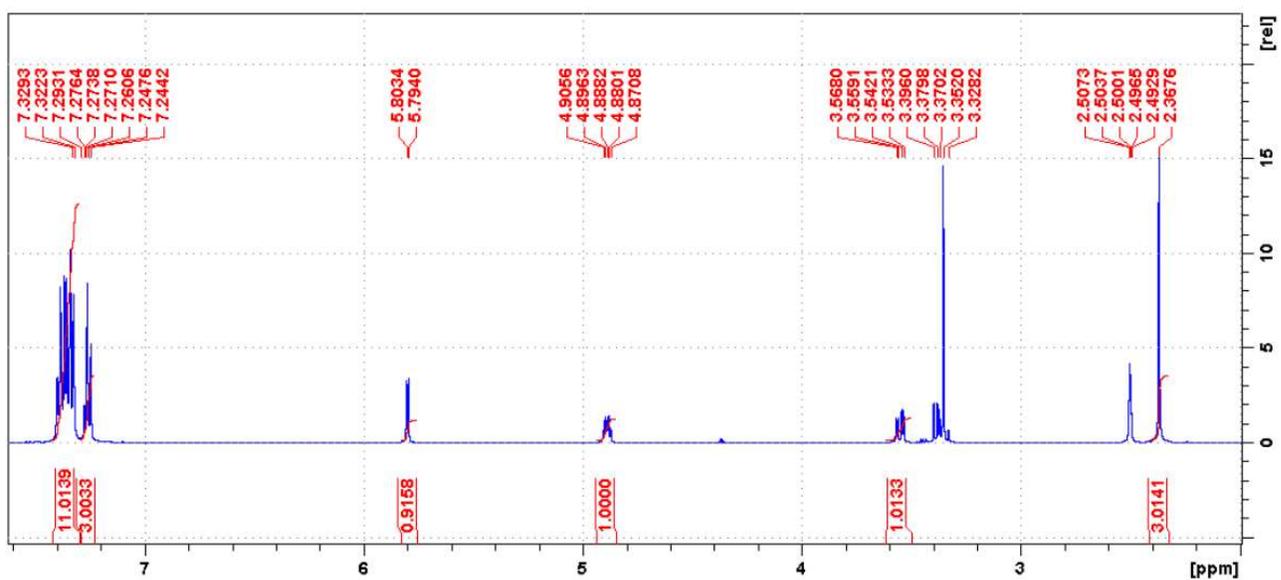


Figure S13. ^1H NMR spectrum of compound **6** in $\text{DMSO-}d_6$;

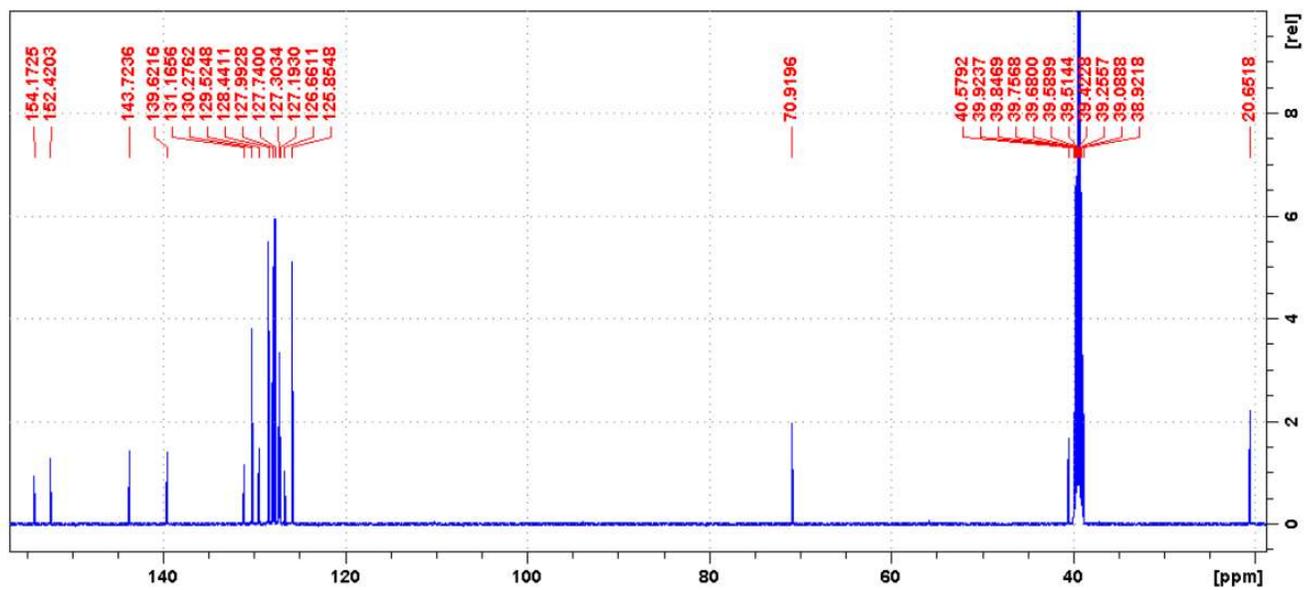


Figure S14. ^{13}C NMR spectrum of compound **6** in $\text{DMSO-}d_6$;

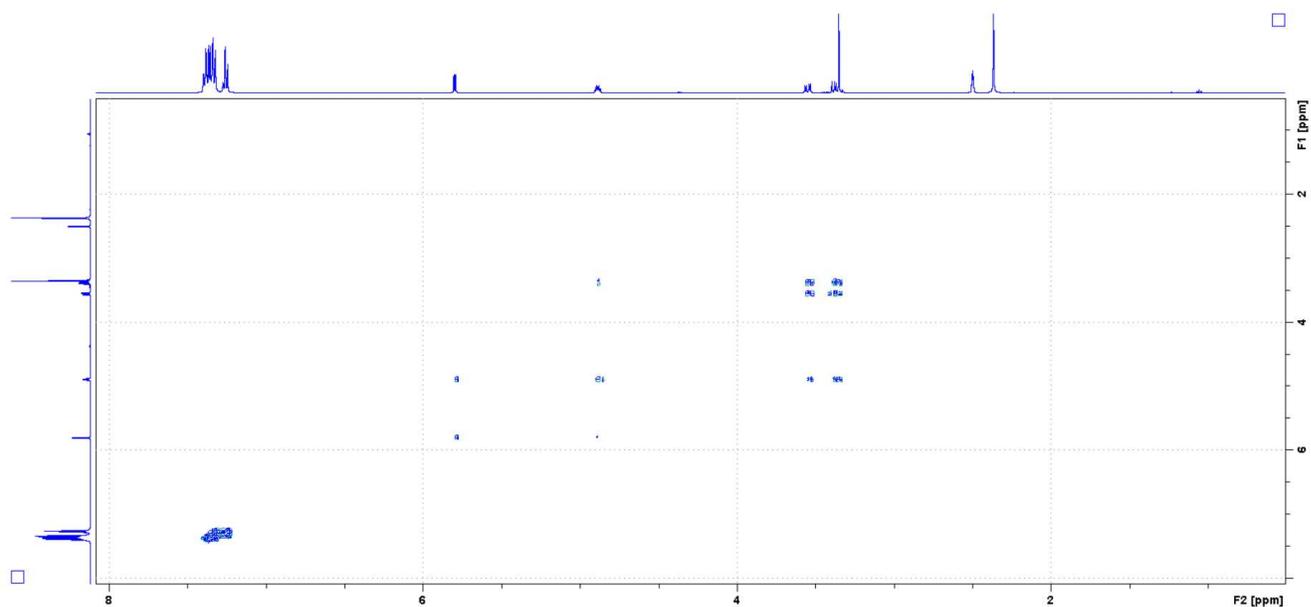


Figure S15. COSY ^1H - ^1H spectrum of compound **6** in $\text{DMSO-}d_6$;

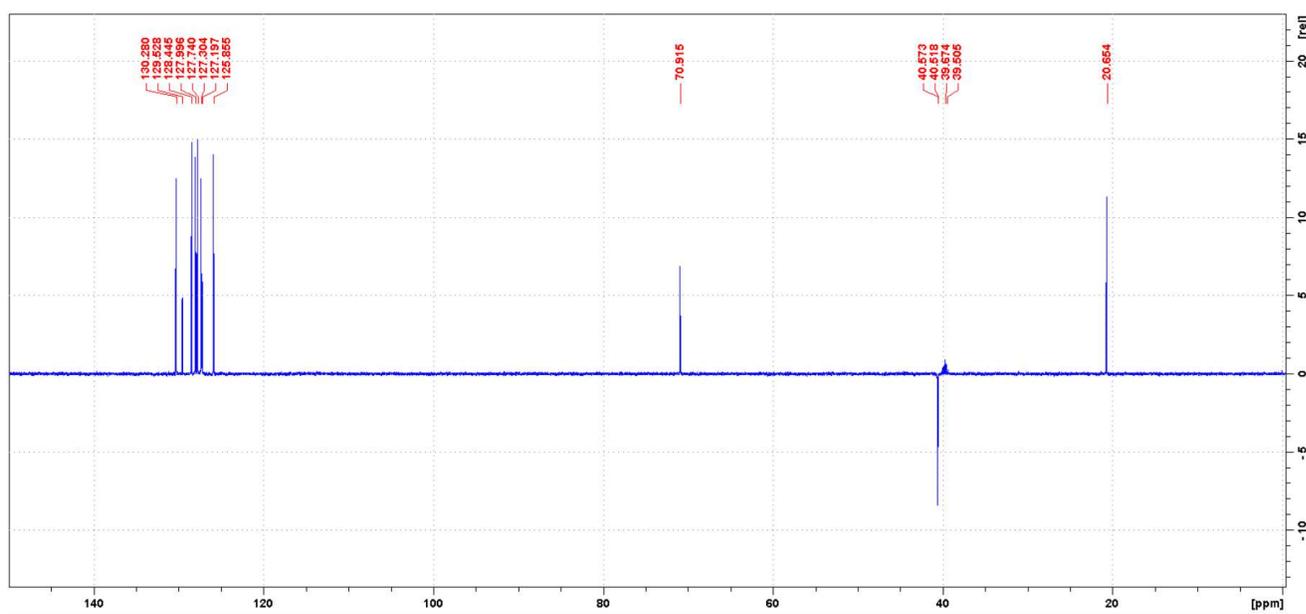


Figure 16. ^{13}C DEPT135 spectrum of compound **6** in $\text{DMSO-}d_6$;

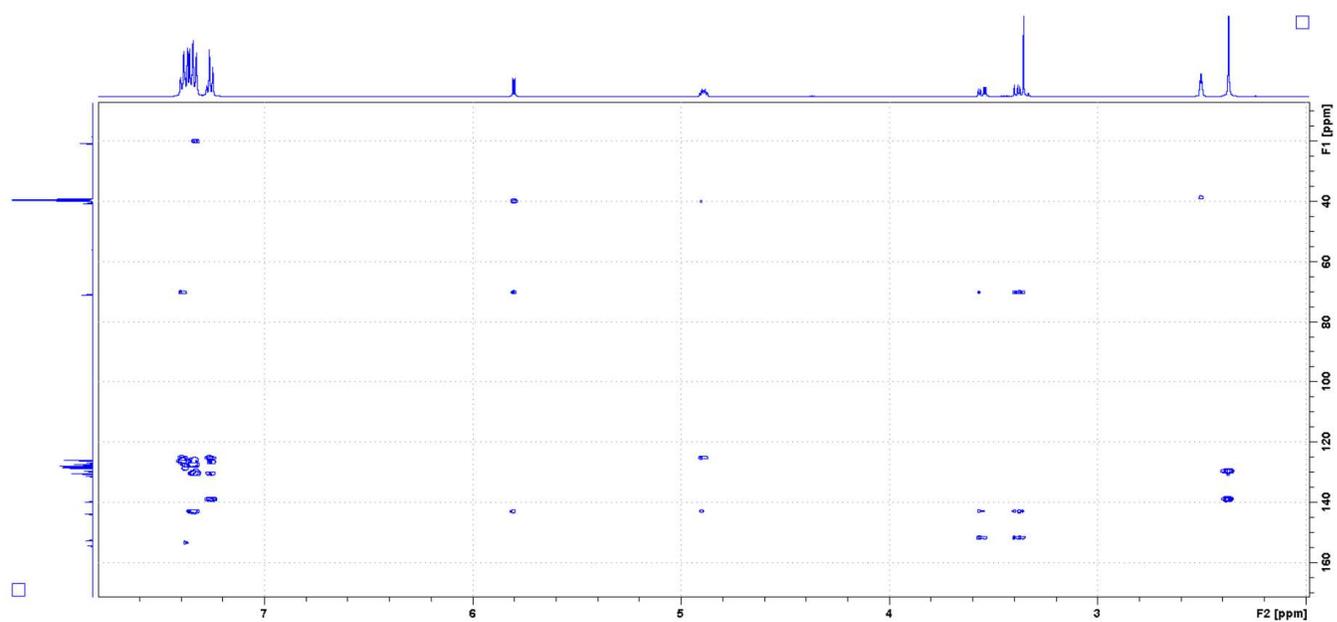


Figure S17. HMBC ^1H - ^{13}C spectrum of compound **6** in $\text{DMSO-}d_6$;

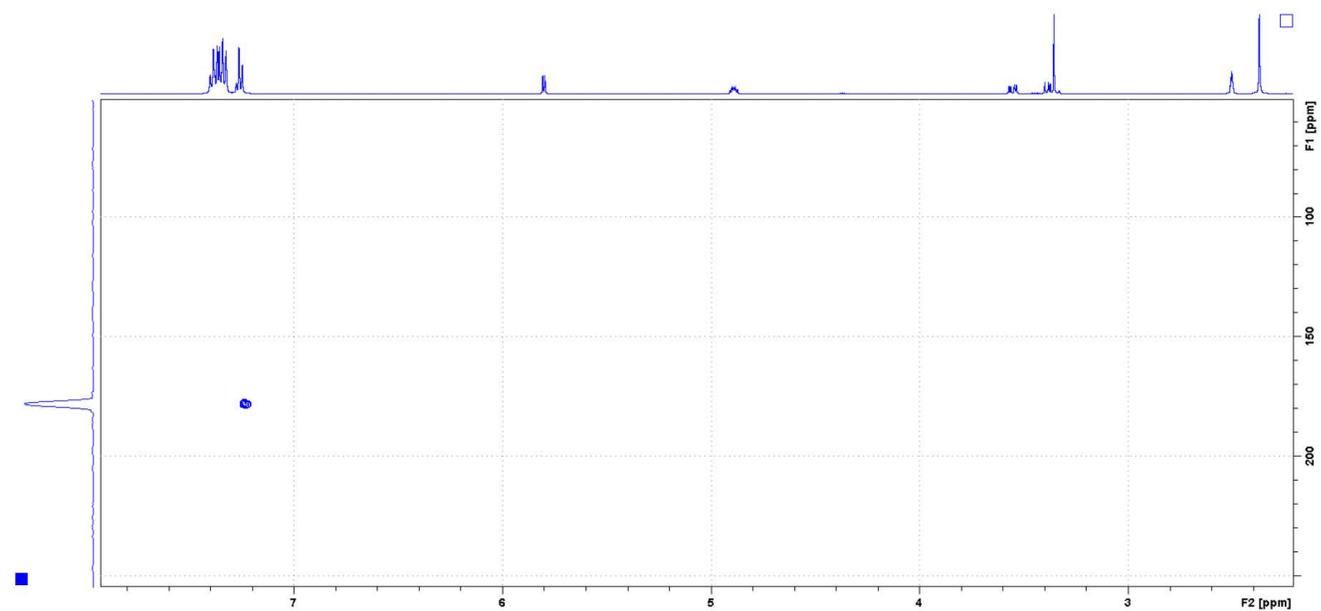


Figure S18. HMBC ^1H - ^{15}N spectrum of compound **6** in $\text{DMSO-}d_6$;

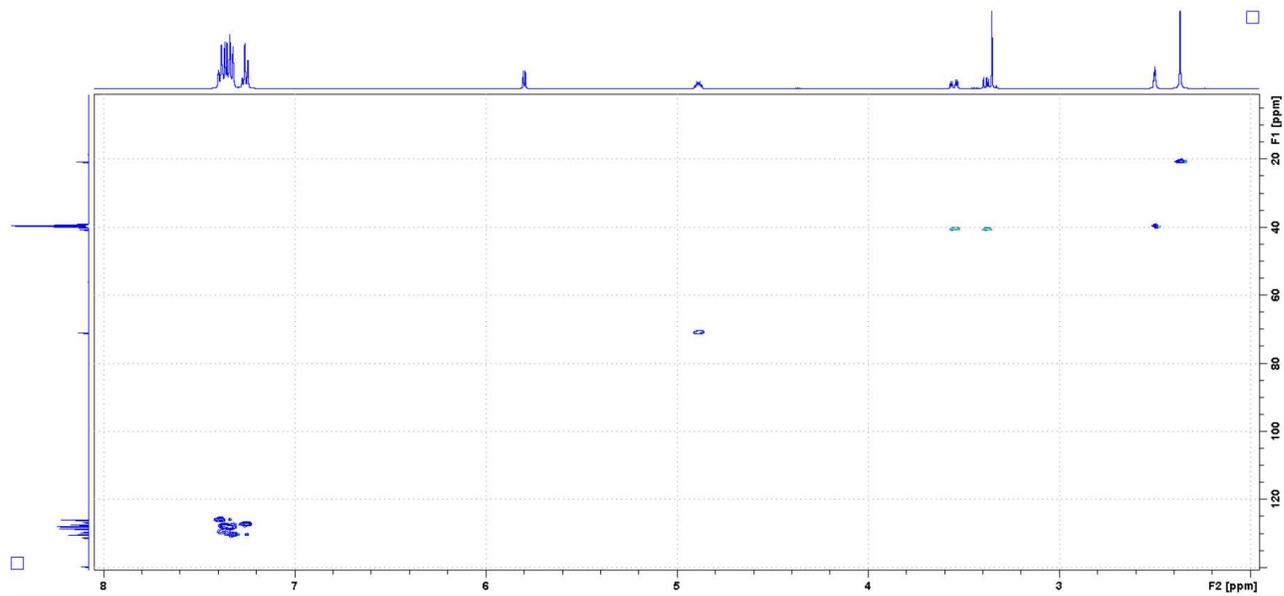


Figure S19. HSQCED ^1H - ^{13}C spectrum of compound **6** in $\text{DMSO-}d_6$;