

Supplementary Materials

Transition Metal Complexes of Schiff Base Ligands Prepared from Reaction of Aminobenzothiazole with Benzaldehydes

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Table S1. 2D-NMR HMQC, A: NB, and B: HB Ligands

¹³ C-NB	¹ H
(δ/ppm)	(δ/ppm)
56.24	3.86
105.59	7.70
116.68	7.15
124.36	7.90
125.36	8.19
130.32	8.28
134.07	7.90
163.11	9.44

(A)

¹³ C-HB	¹ H
(δ/ppm)	(δ/ppm)
56.23	3.82
102.91	6.37
105.59	7.61
109.59	6.46
116.13	7.07
123.27	7.77
134.84	7.70
165.27	9.17

(B)

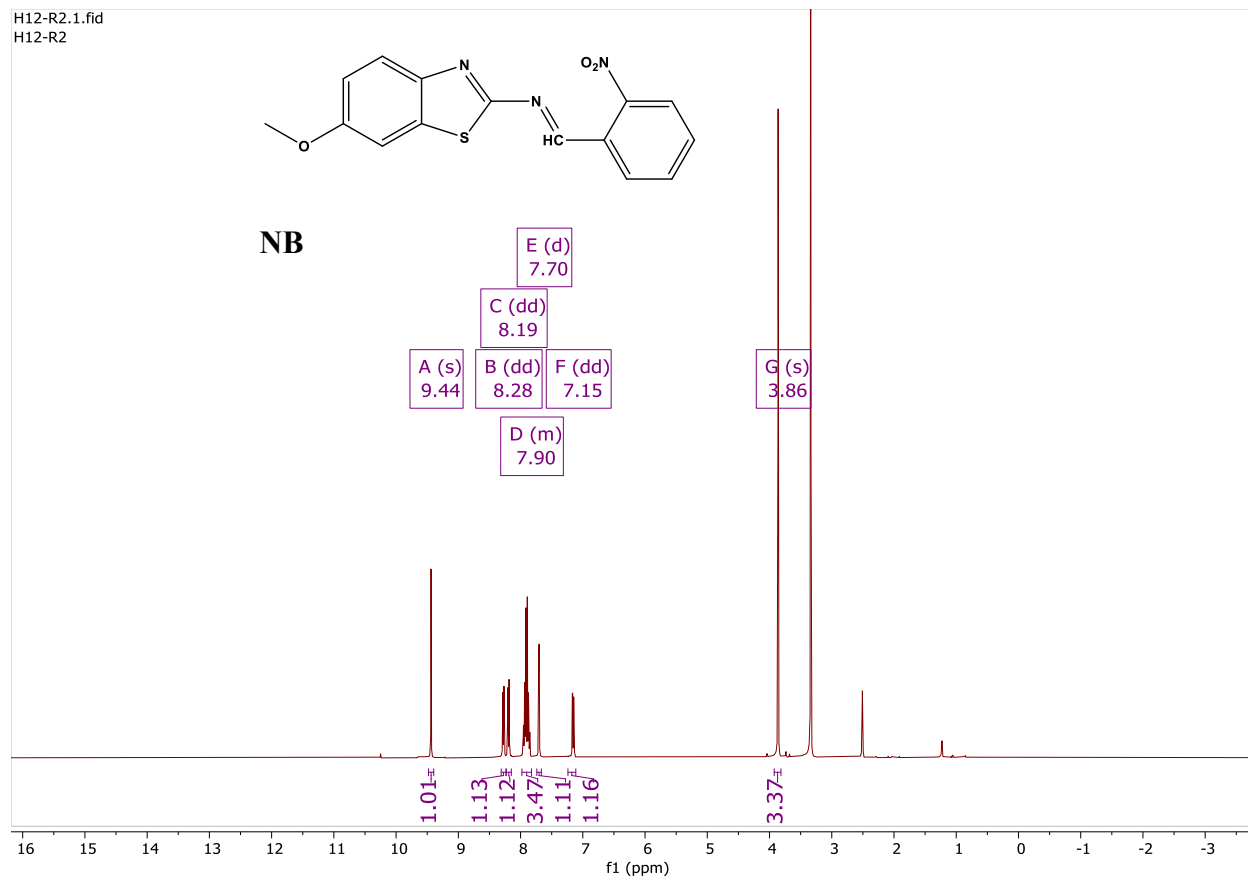


Figure S1. ^1H -NMR spectrum of NB ligand.

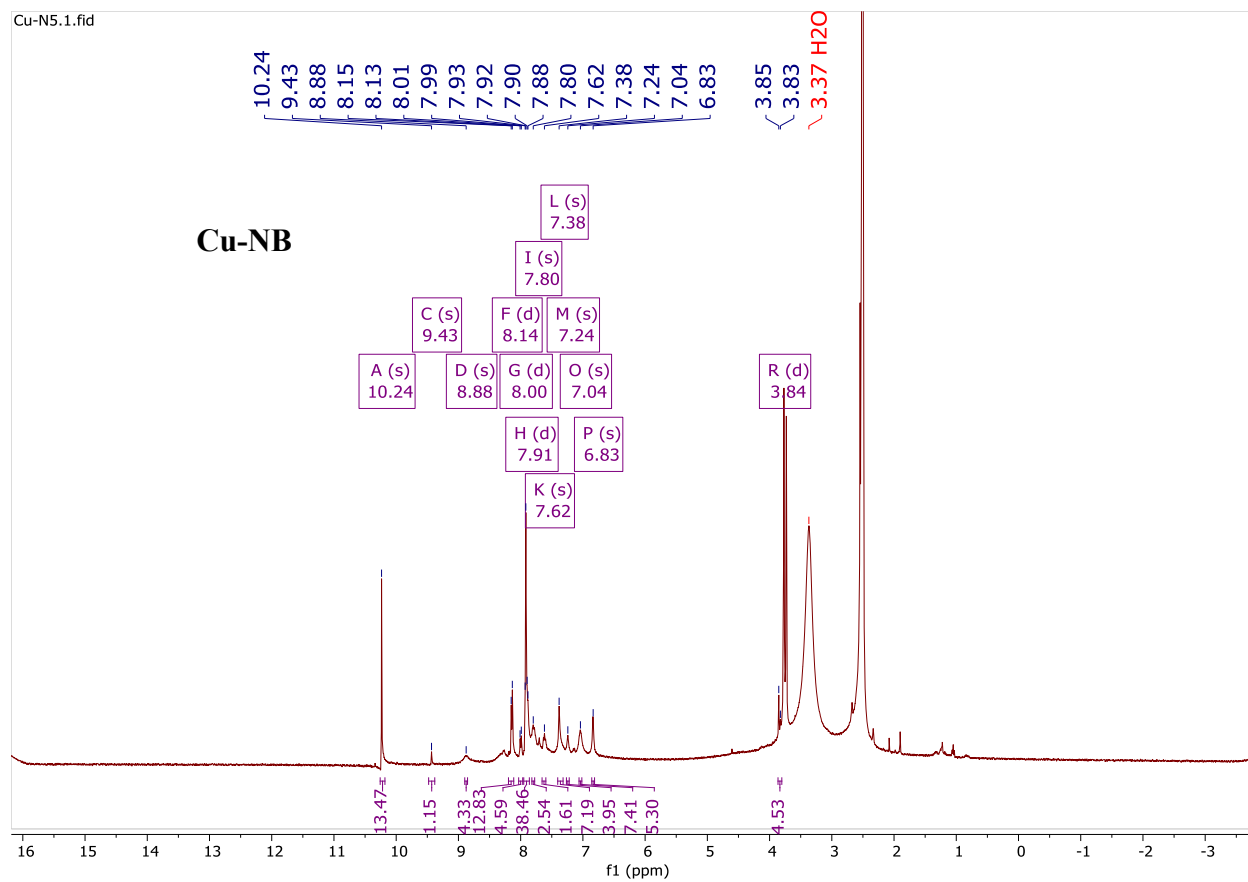


Figure S2. ¹H-NMR spectrum of Cu-NB complex.

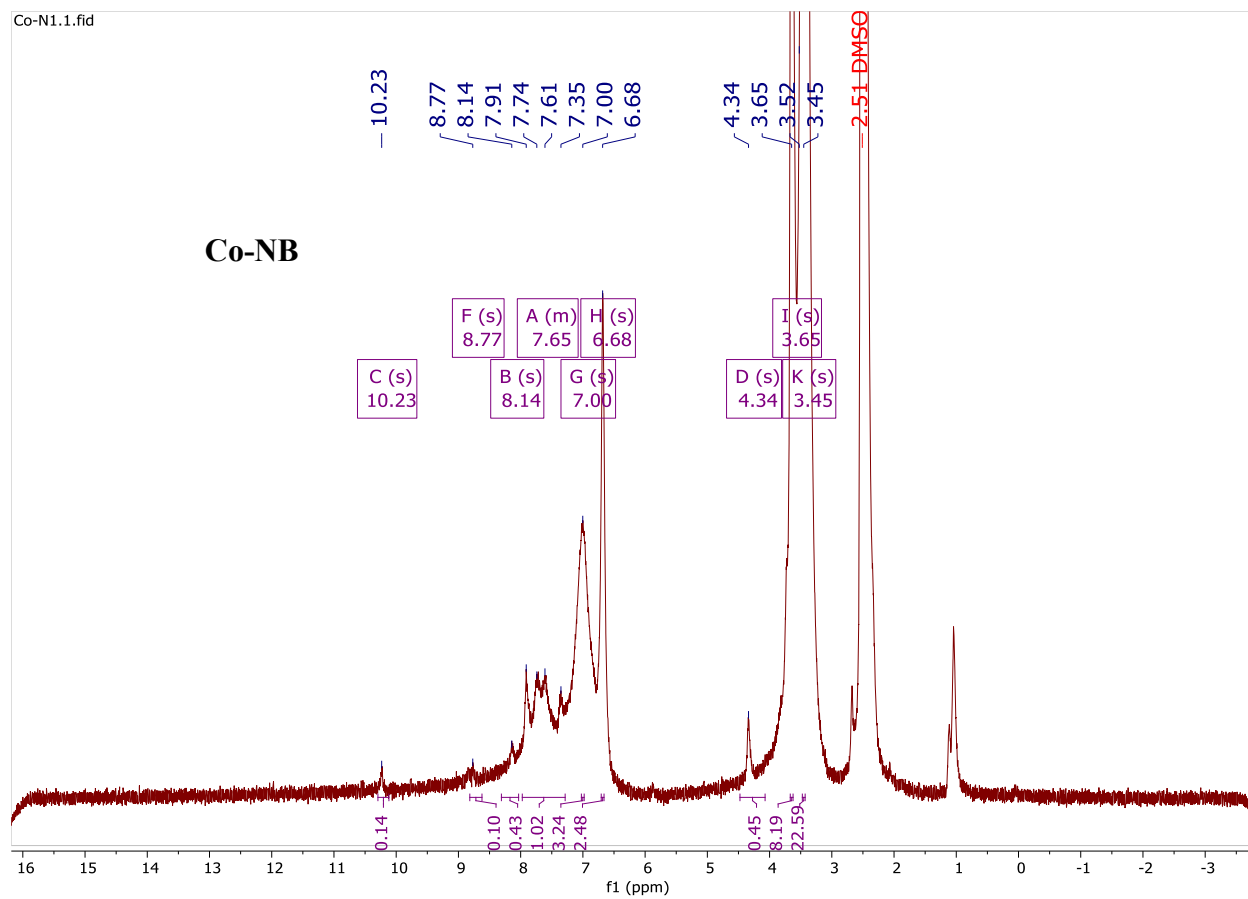


Figure S3. ^1H -NMR spectrum of Co-NB complex.

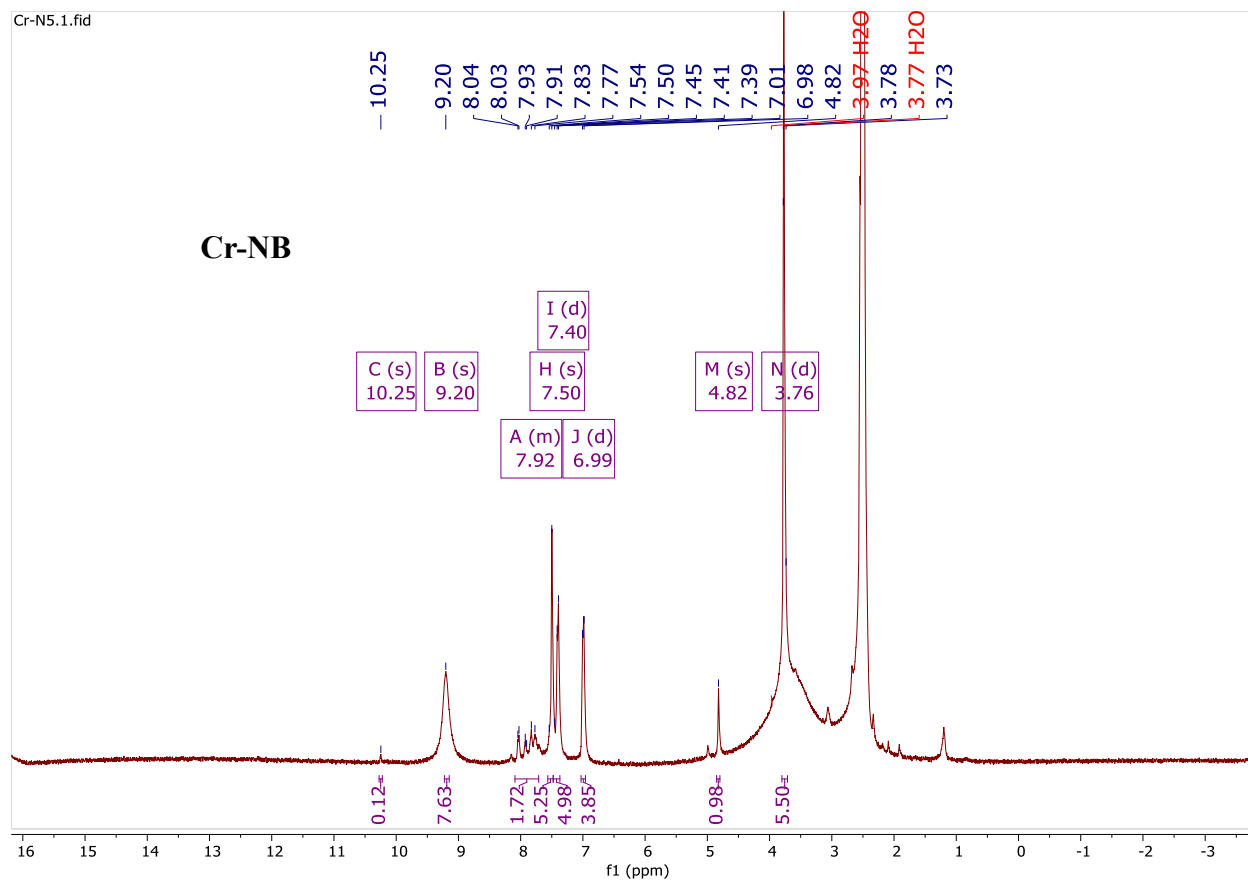


Figure S4. ^1H -NMR spectrum of Cr-NB complex.

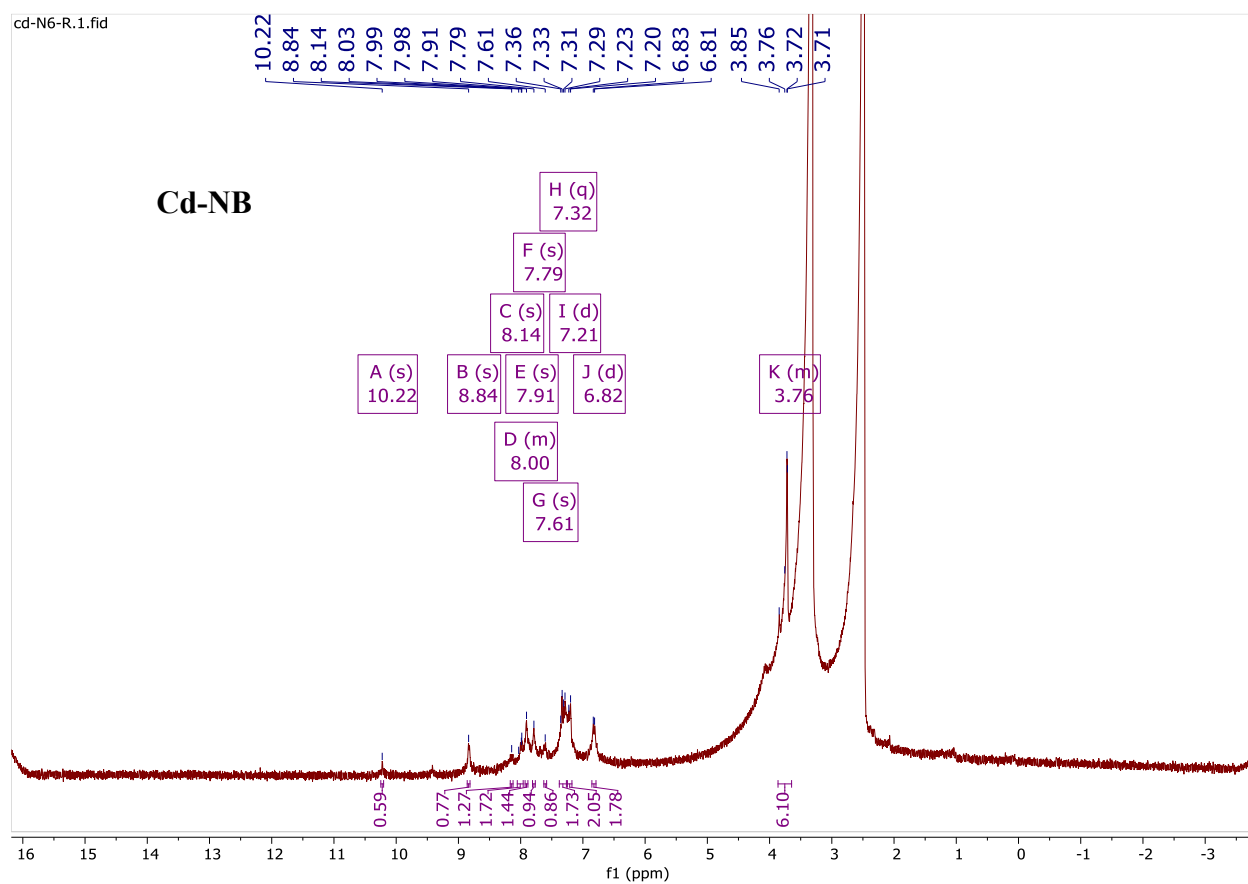


Figure S5. ^1H -NMR spectrum of Cd-NB complex.

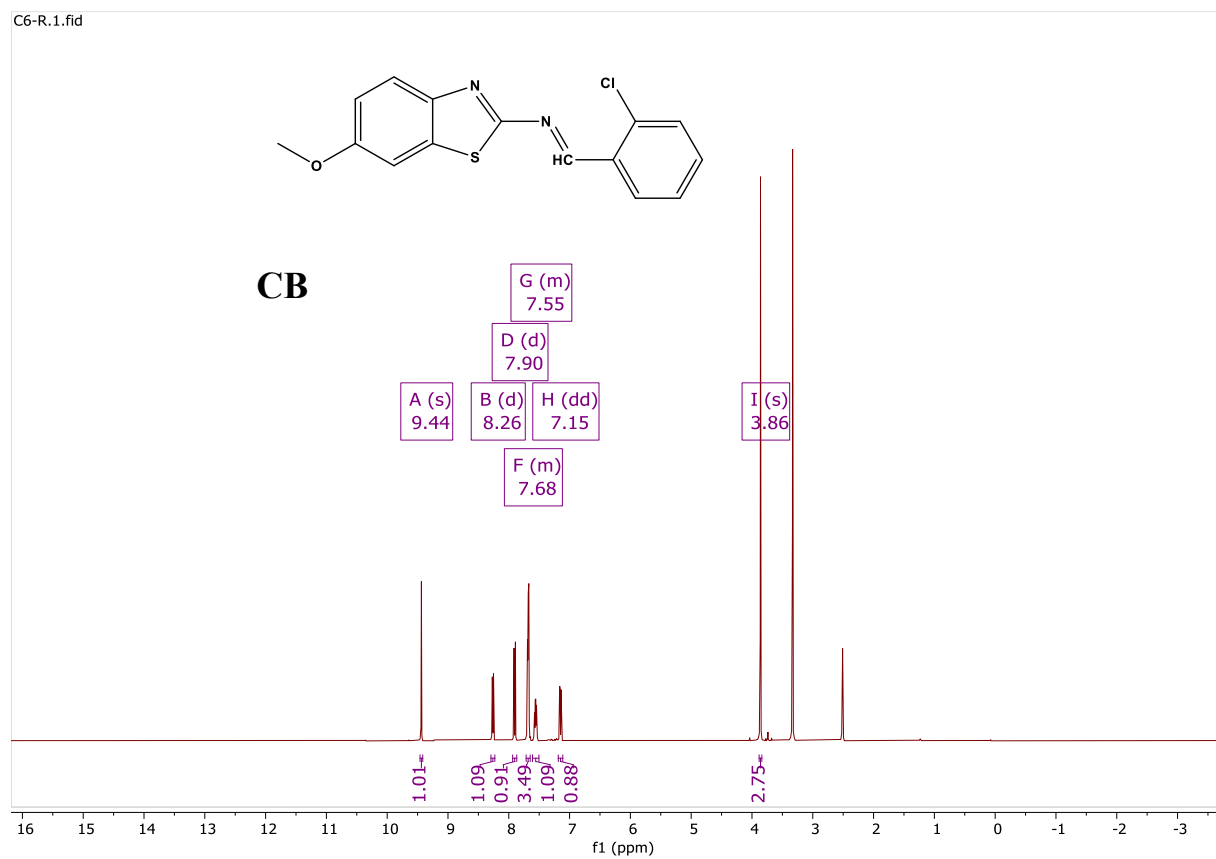


Figure S6. ^1H -NMR spectrum of CB ligand.

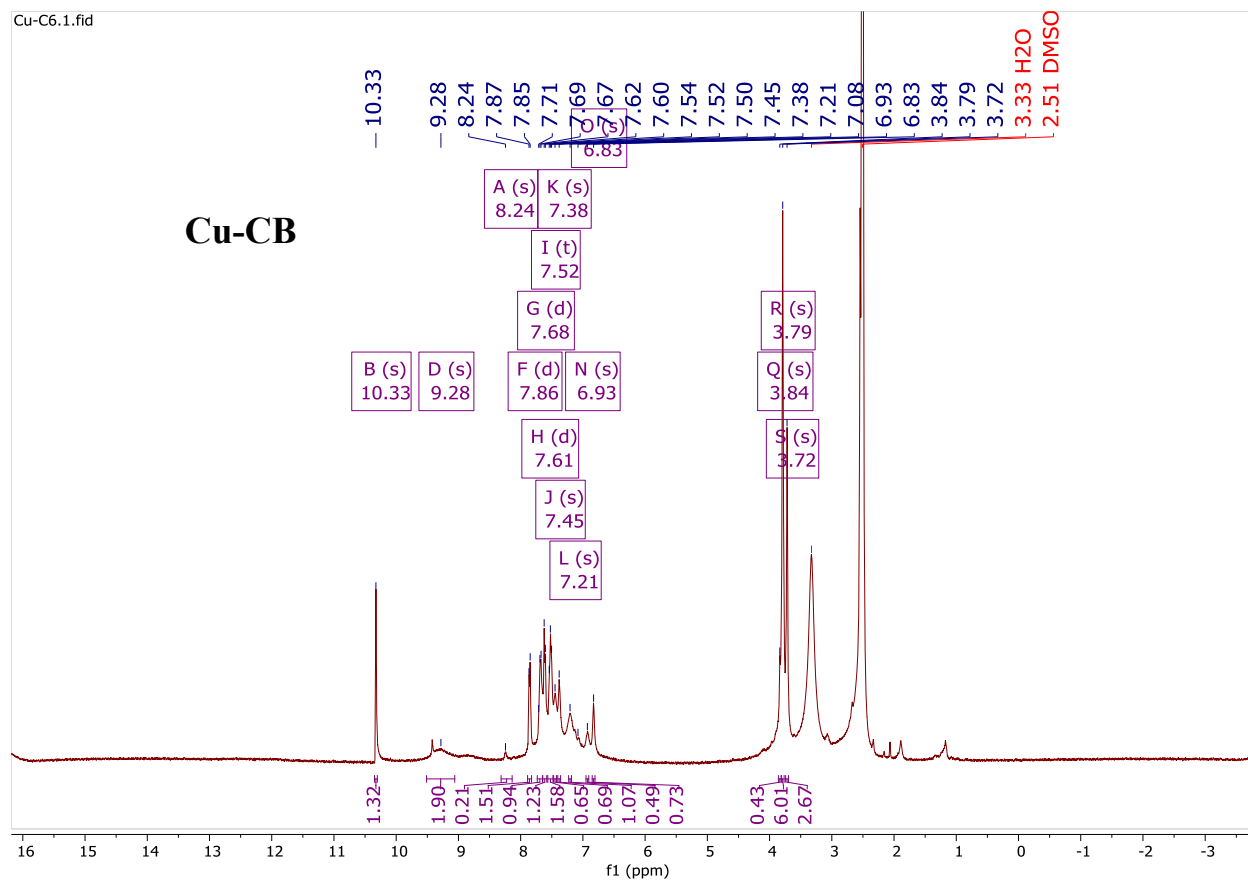


Figure S7. ¹H-NMR spectrum of Cu-CB complex.

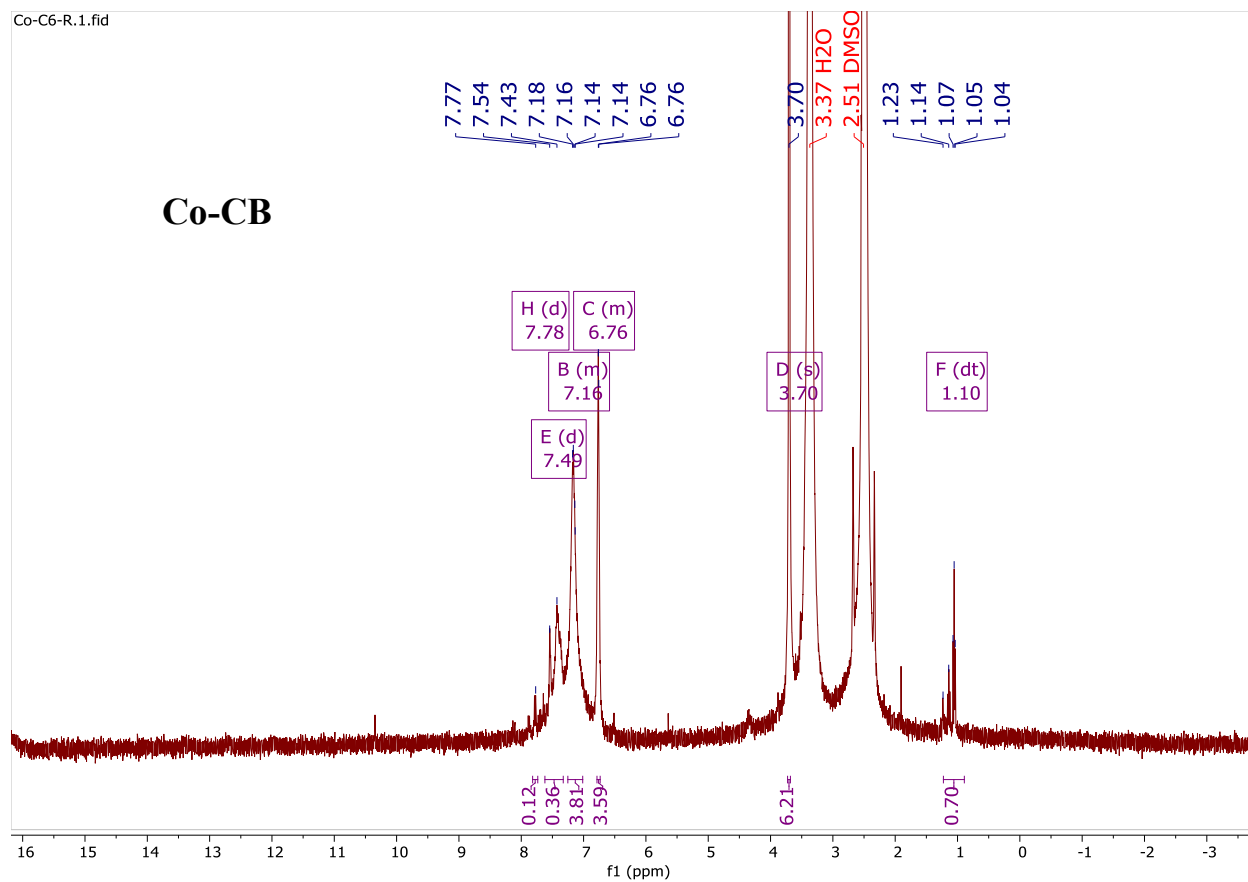


Figure S8. ¹H-NMR spectrum of Co-CB complex.

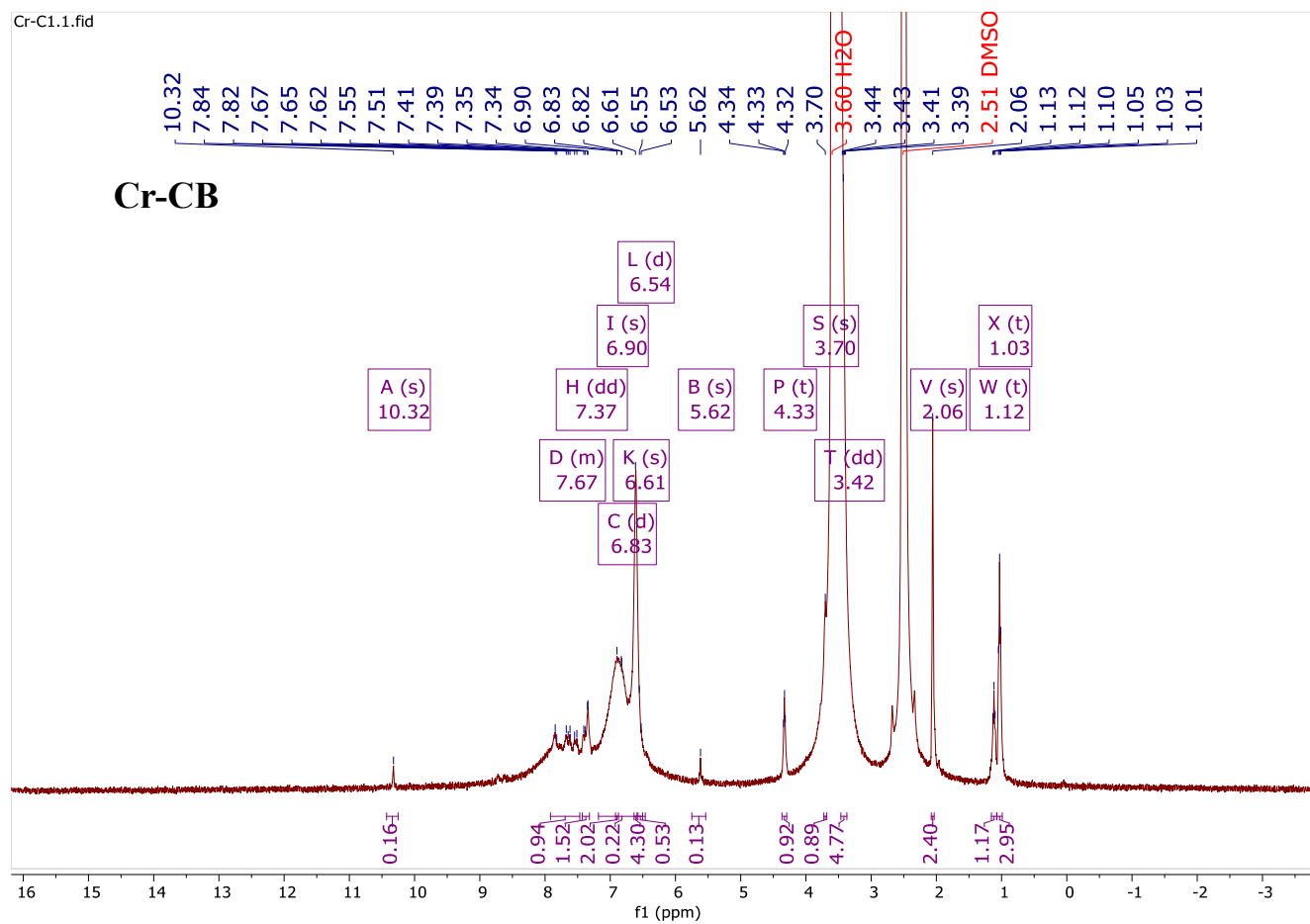


Figure S9. ^1H -NMR spectrum of Cr-CB complex.

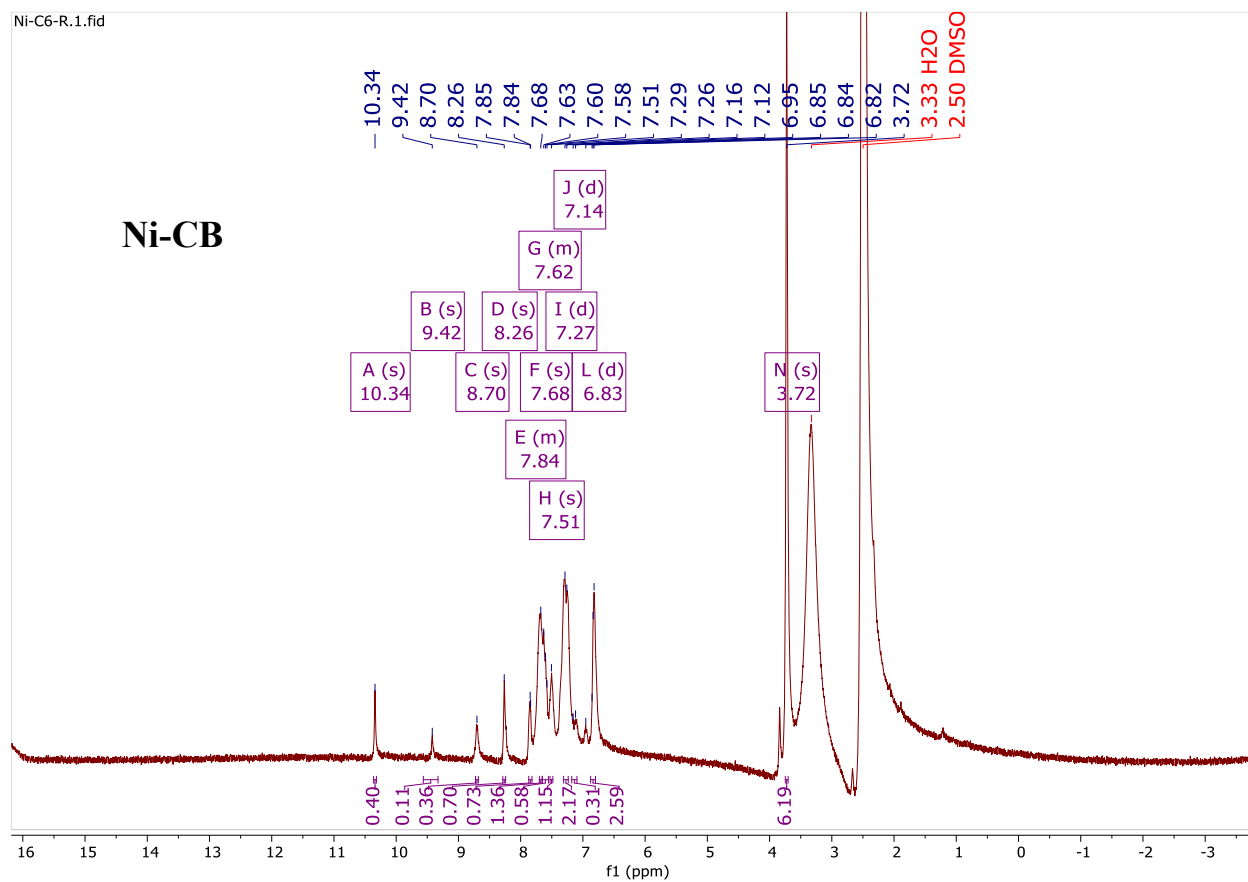


Figure S10. ¹H-NMR spectrum of Ni-CB complex.

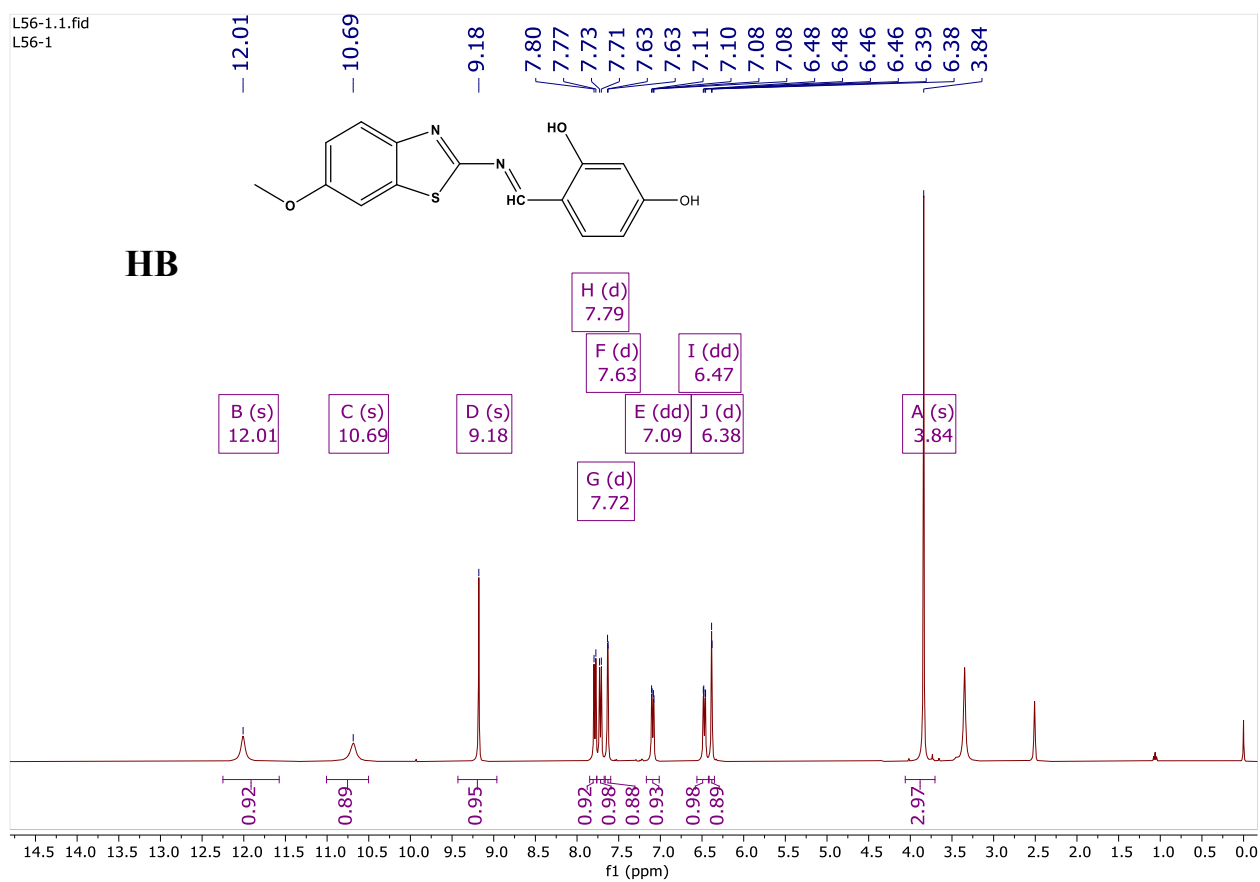


Figure S11. ¹H-NMR spectrum of HB ligand.

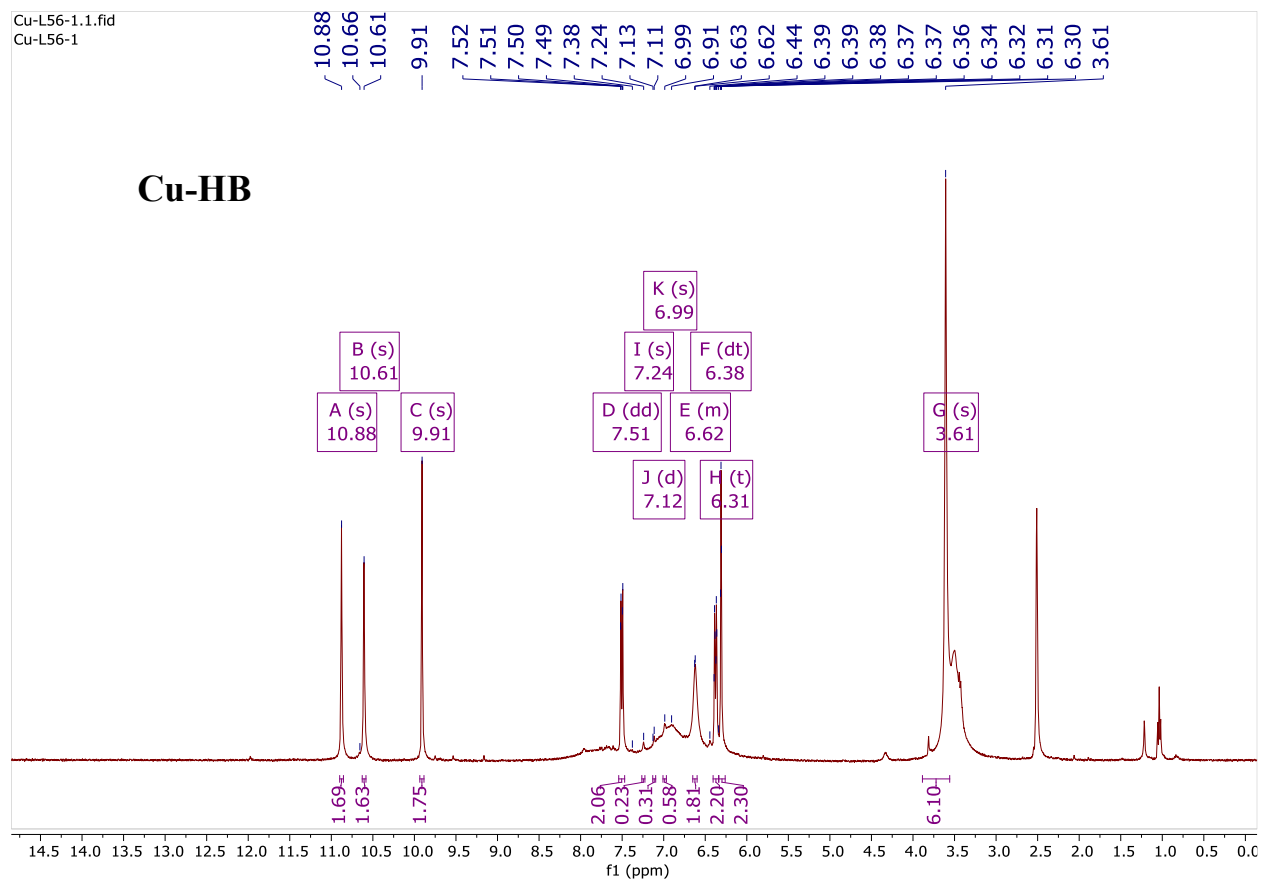


Figure S12. ^1H -NMR spectrum of Cu-HB complex.

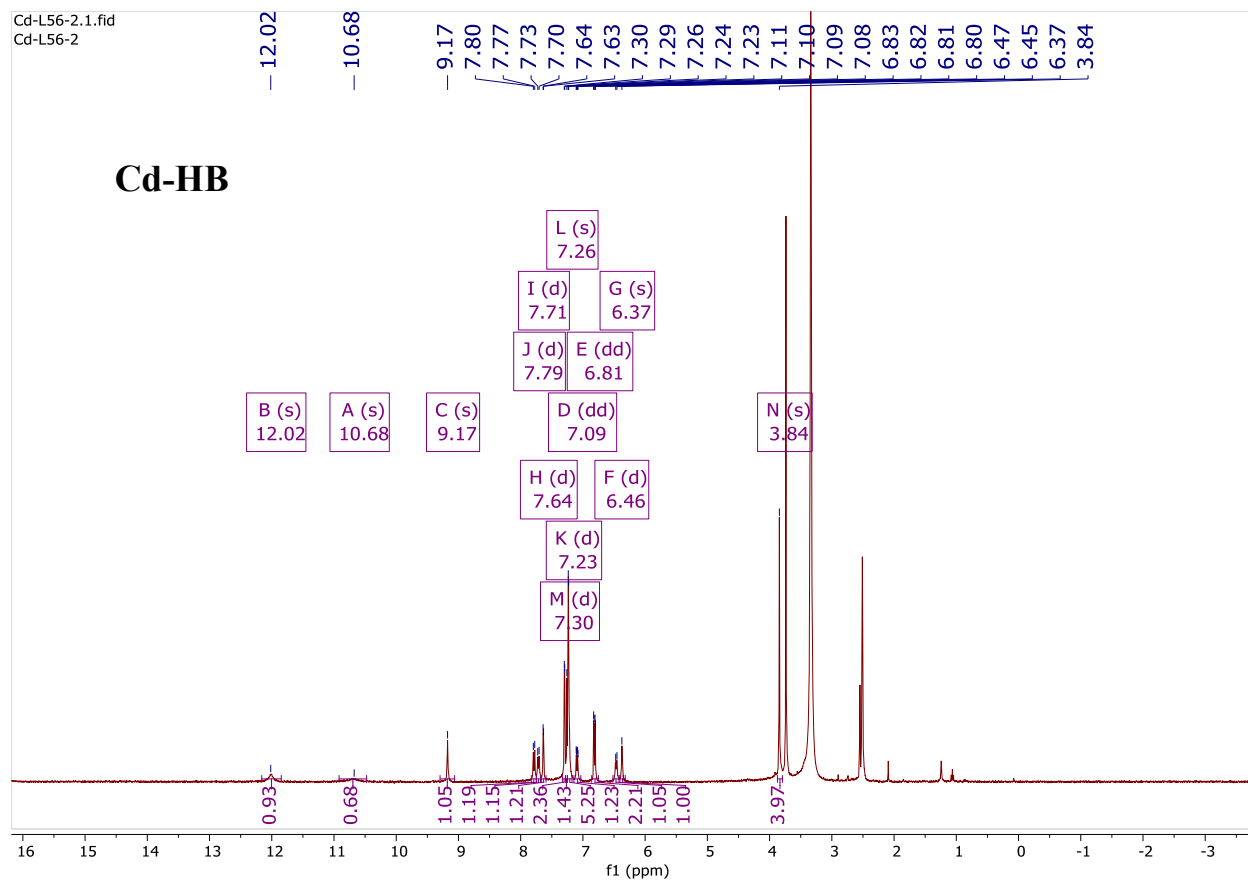


Figure S13. ^1H -NMR spectrum of Cd-HB complex.

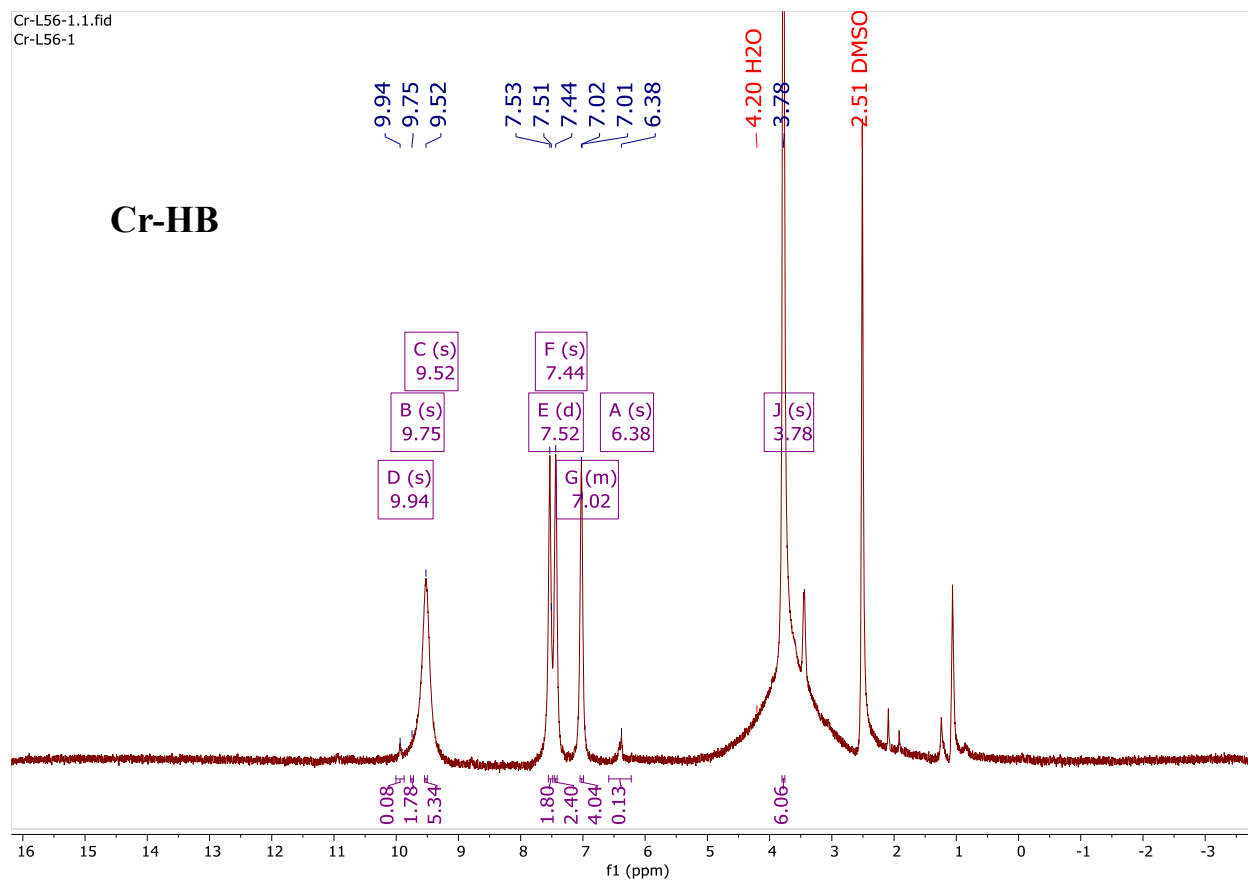


Figure S14. ¹H-NMR spectrum of Cr-HB complex.

2D-NMR

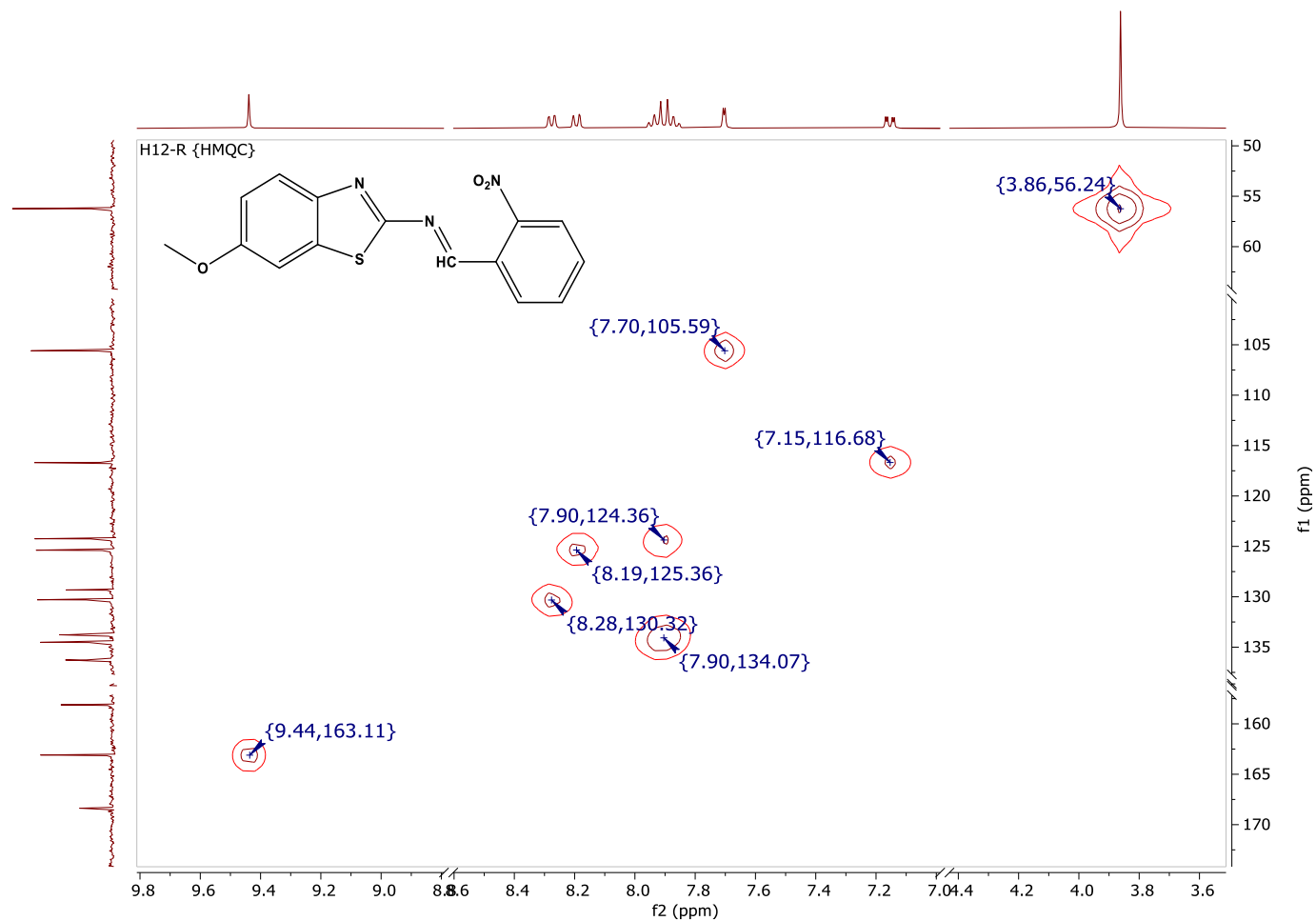


Figure S15. 2D-NMR-HMQC spectrum of NB.

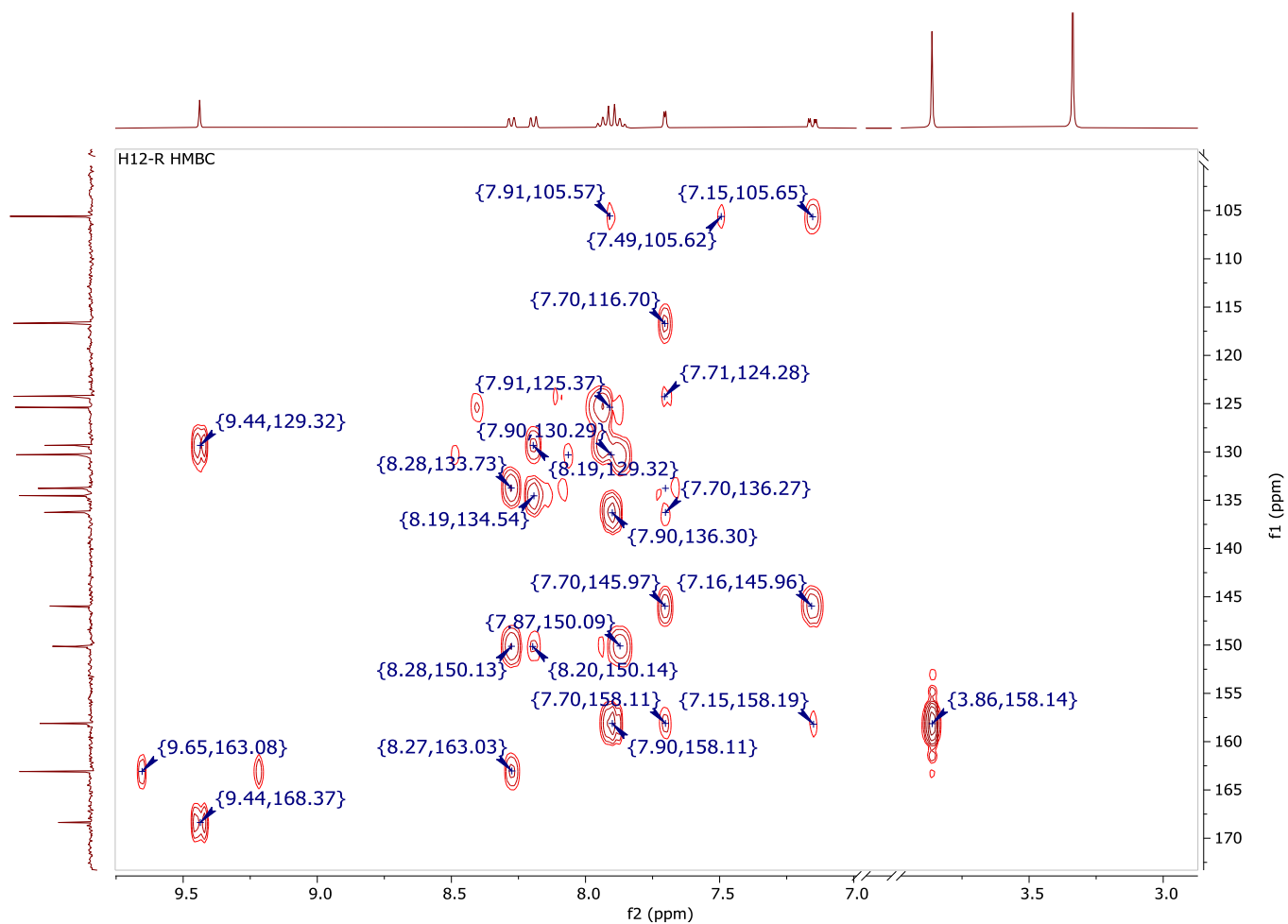


Figure S16. 2D-NMR-HMBC spectrum of NB.

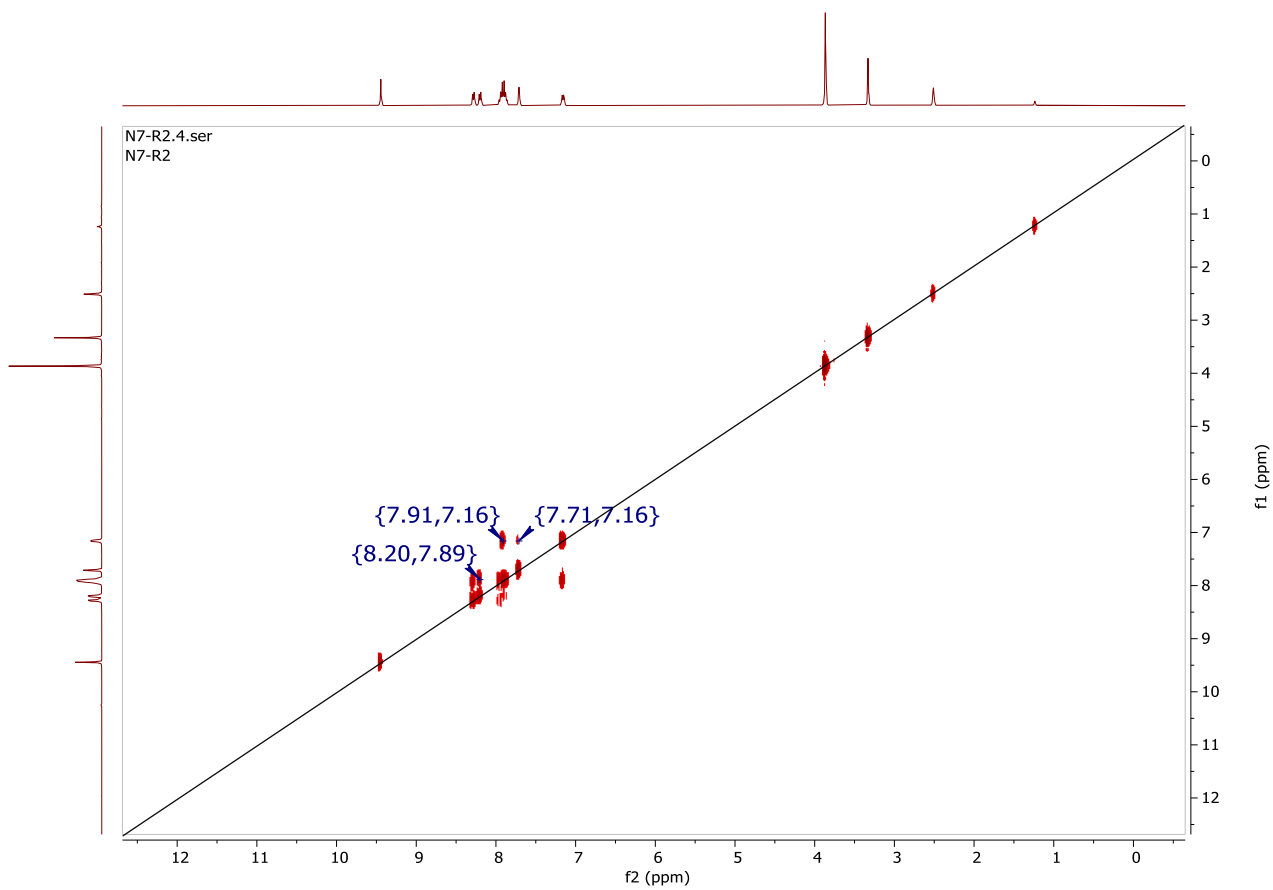


Figure S17. 2D-NMR-COSY spectrum of NB.

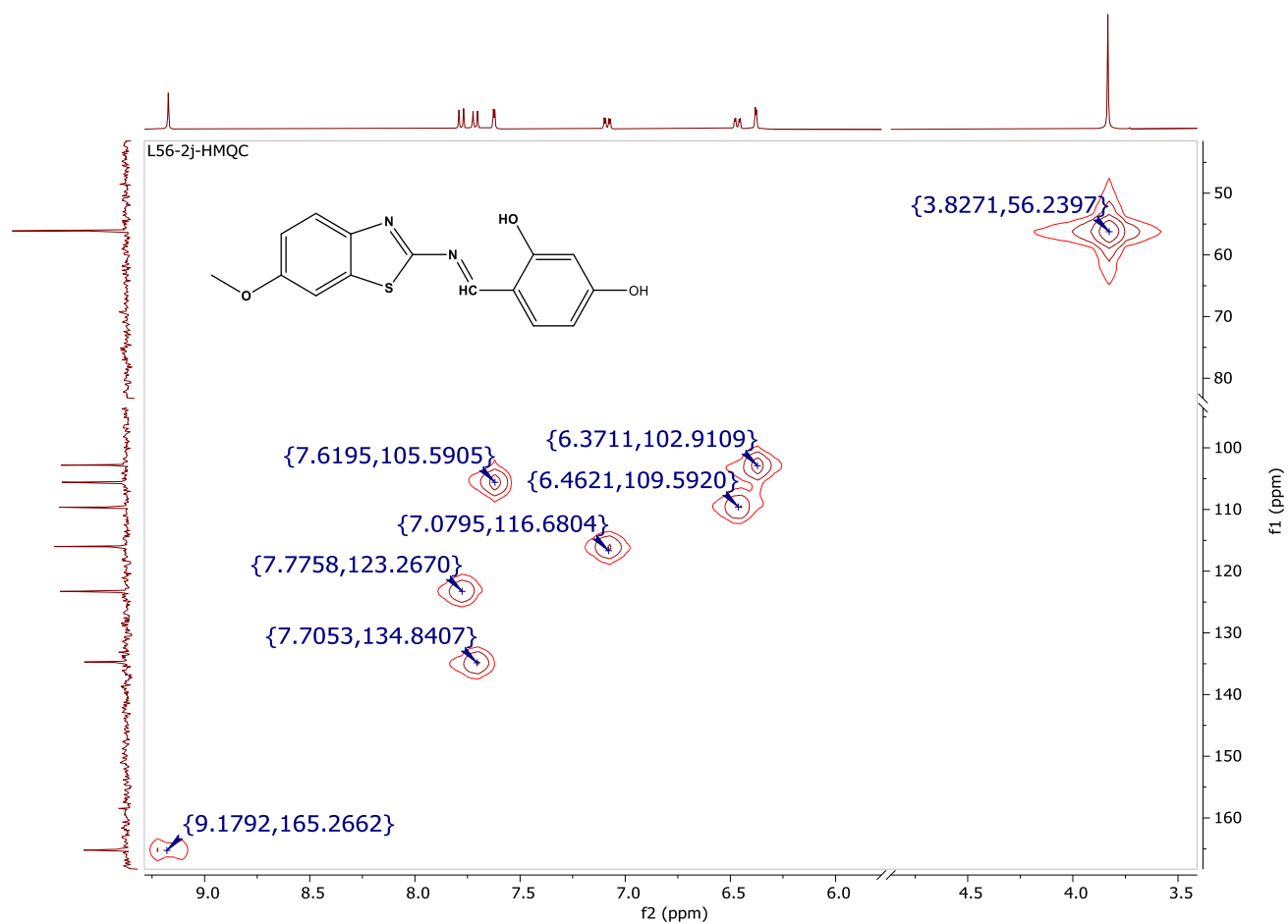


Figure S18. 2D-NMR-HMQC spectrum of HB.

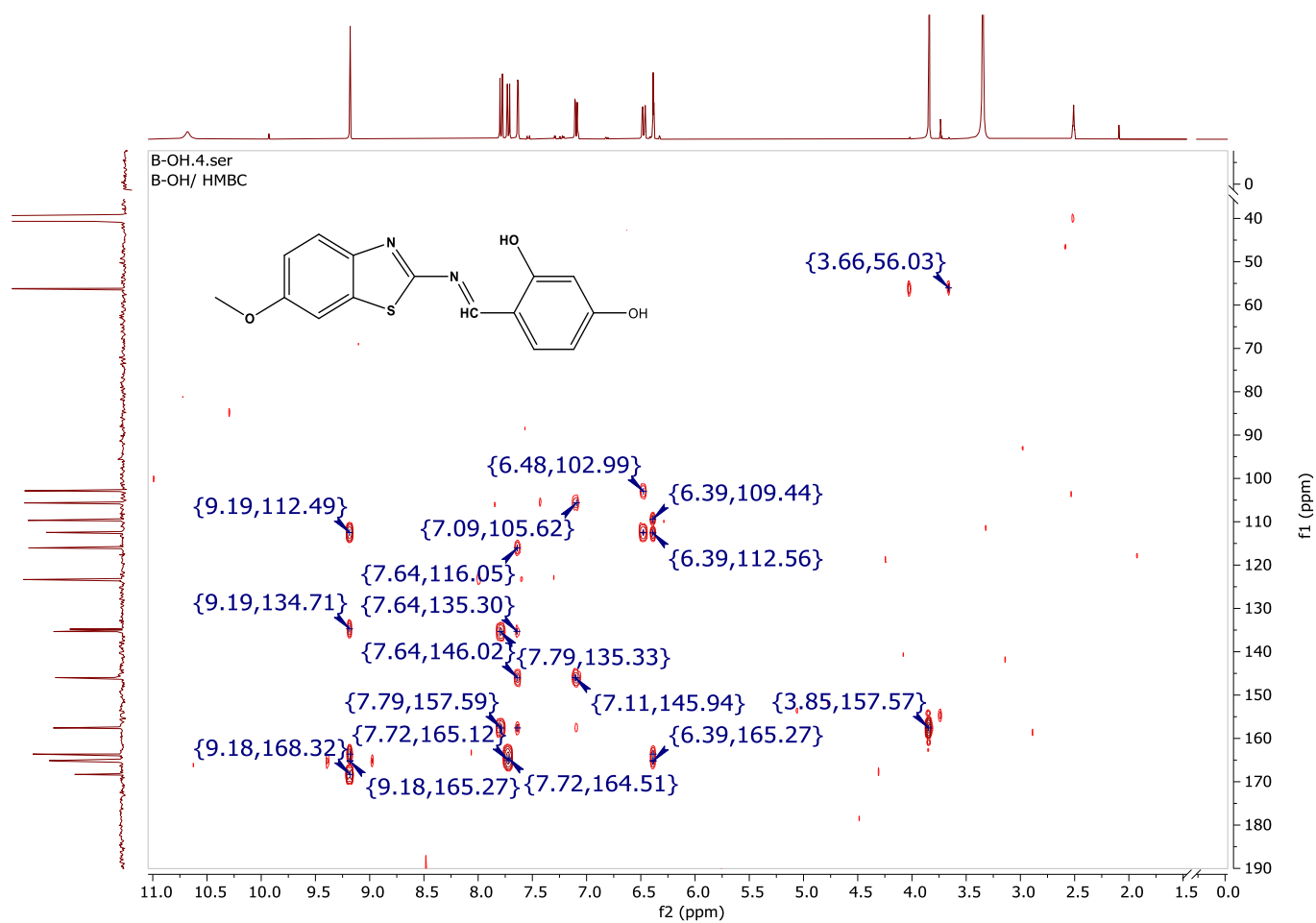


Figure S19. 2D-NMR-HMBC spectrum of HB.

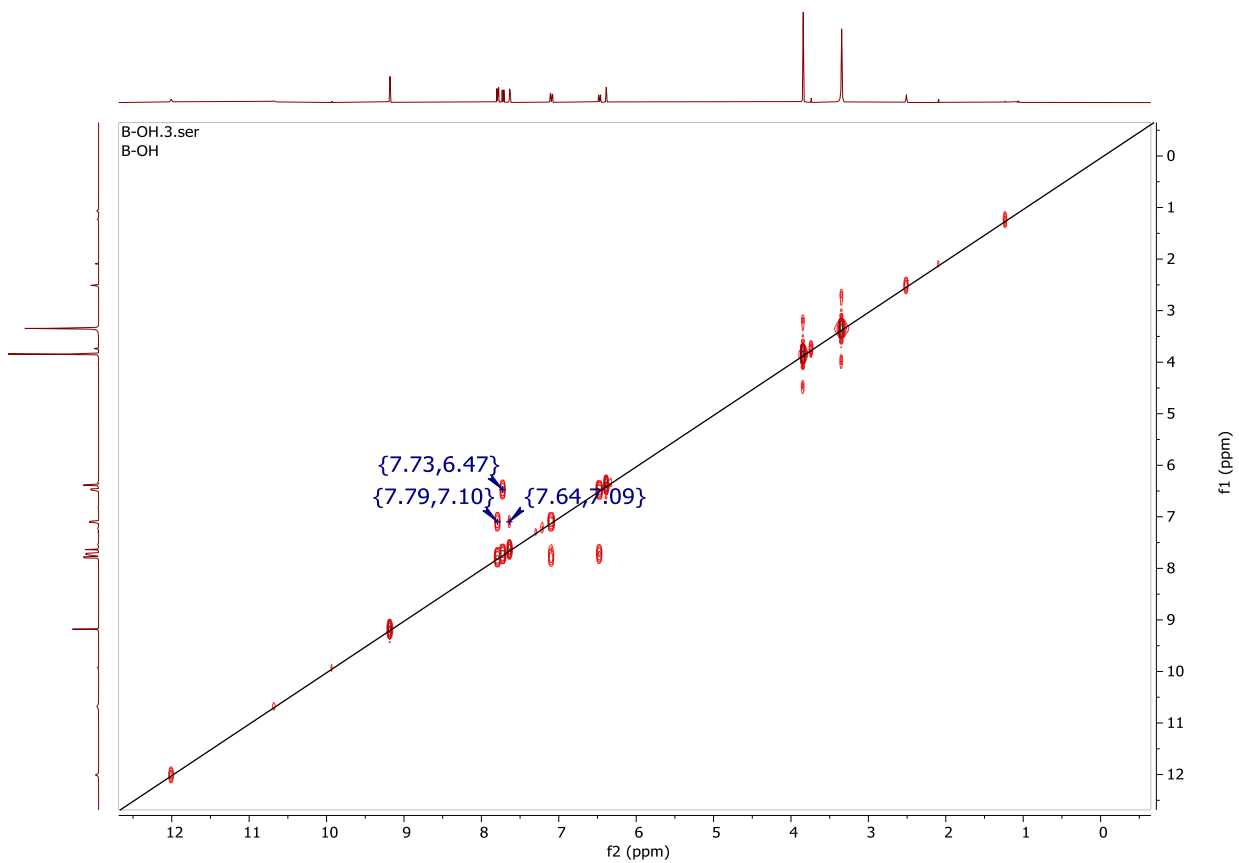


Figure S20. 2D-NMR-COSY spectrum of HB.