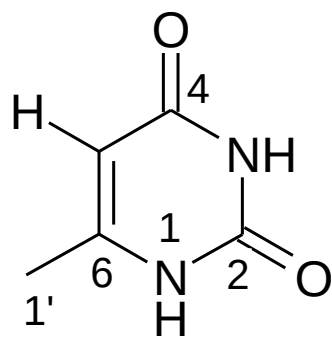


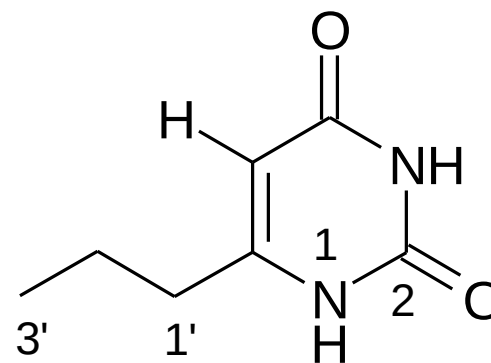
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6-methyl-2-thiouracil



6-propyl-2-thiouracil

Figure 1. Structure of the ligands

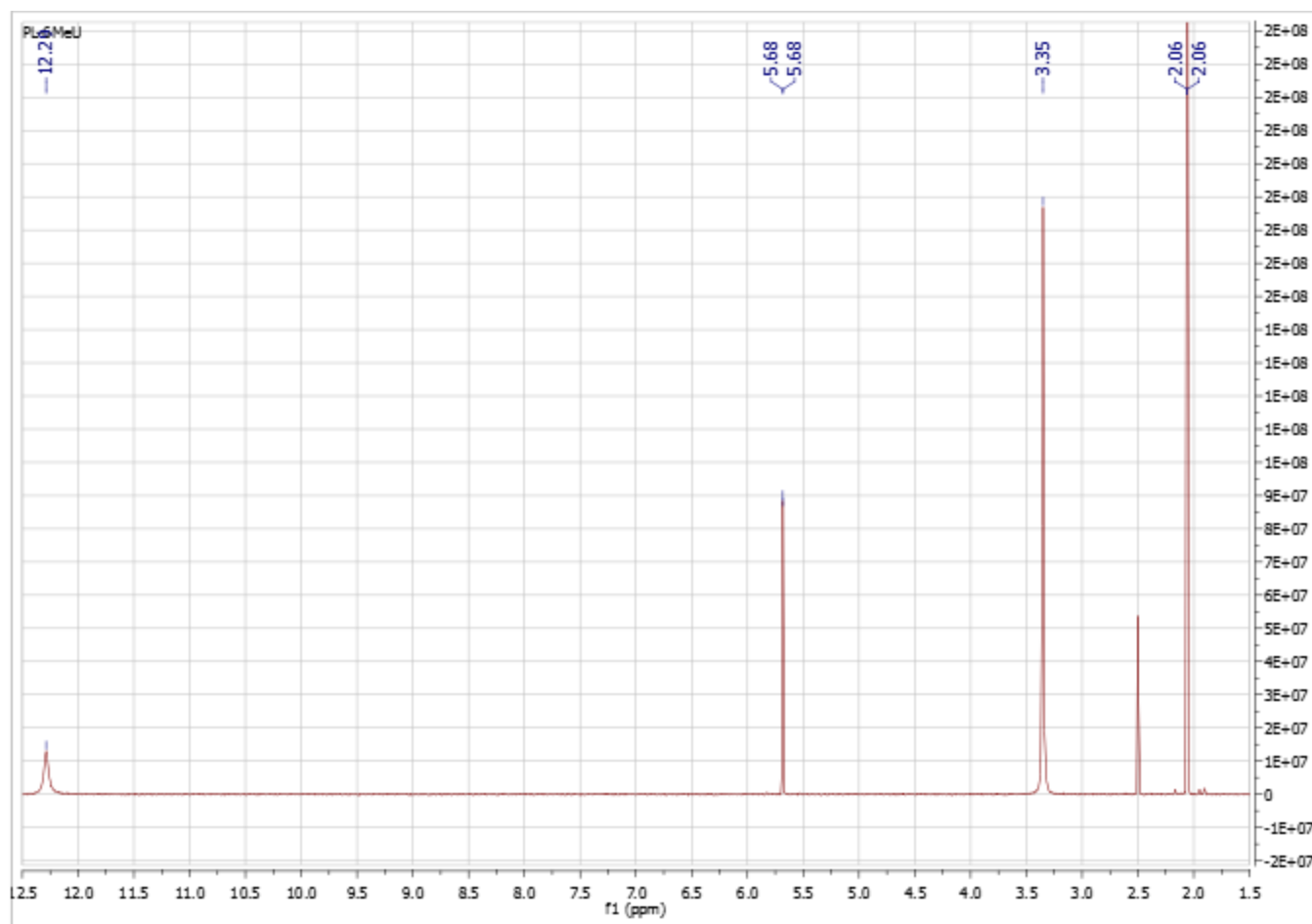


Figure 2. The ^1H NMR spectrum of the ligand, 6-methyl-2-thiouracil.

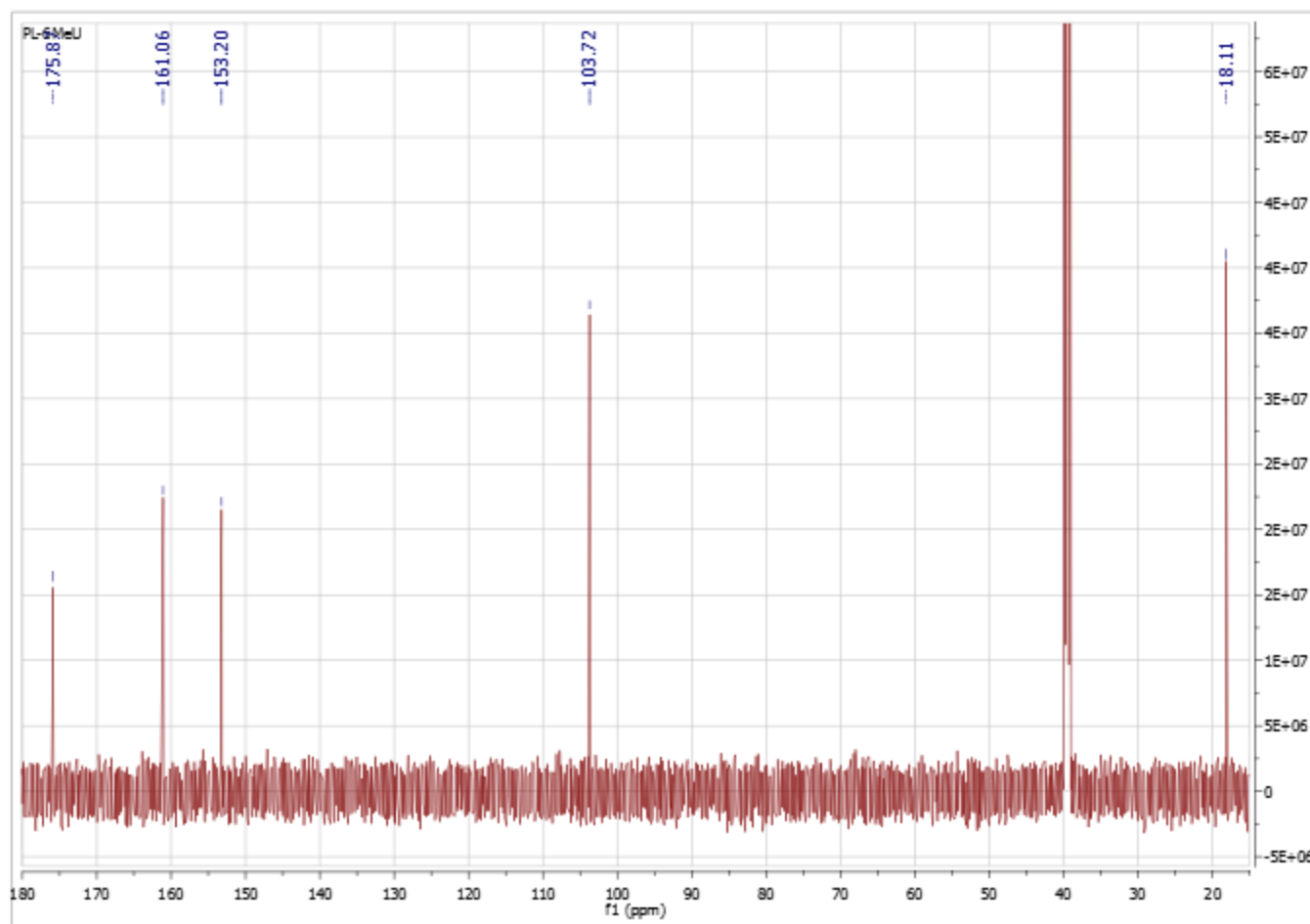


Figure 3. ^1H -broadband decoupled ^{13}C -NMR spectrum of the ligand, 6-methyl-2-thiouracil.

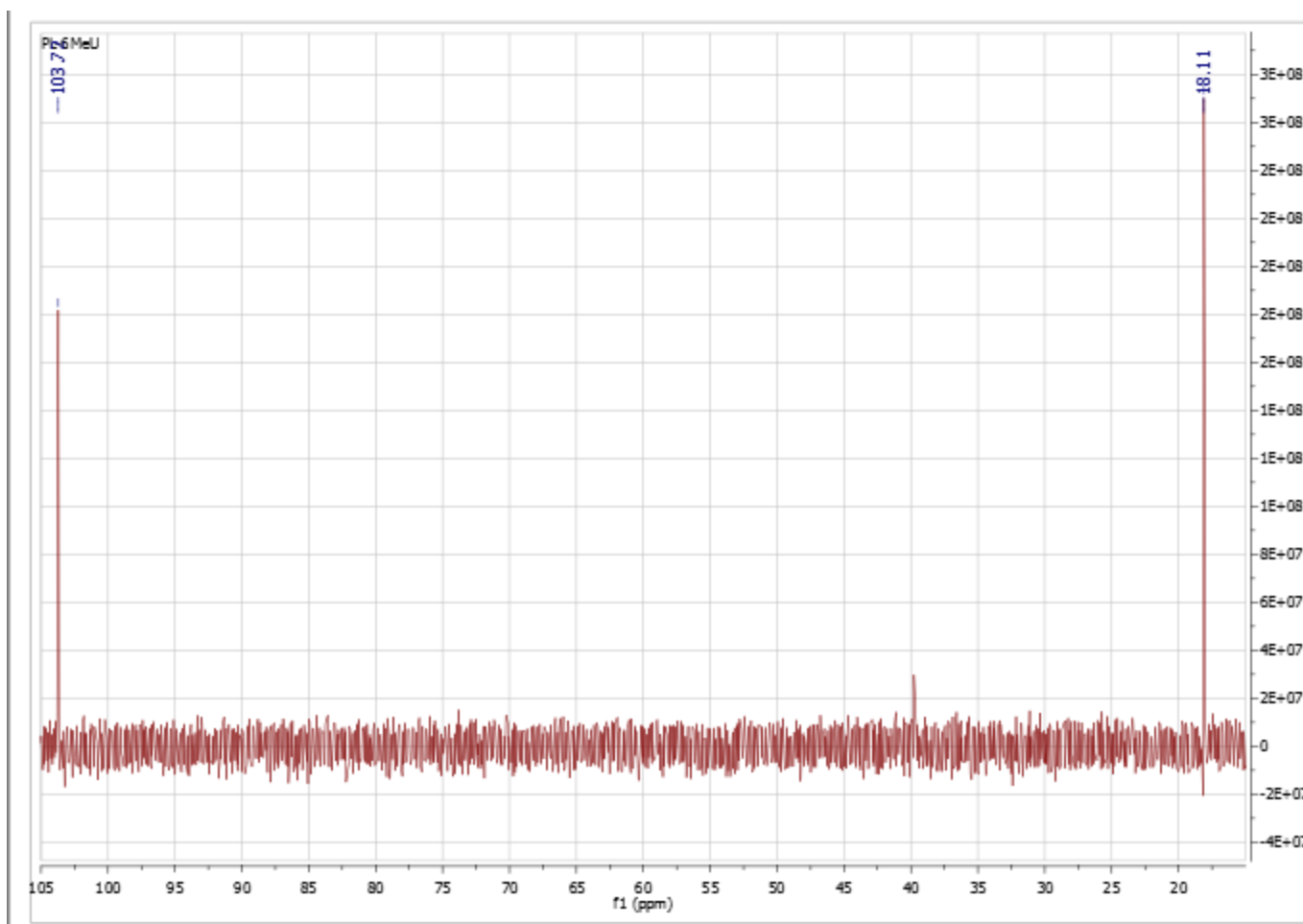


Figure 4. The DEPT-135 spectrum of 6-methyl-2-thiouracil.

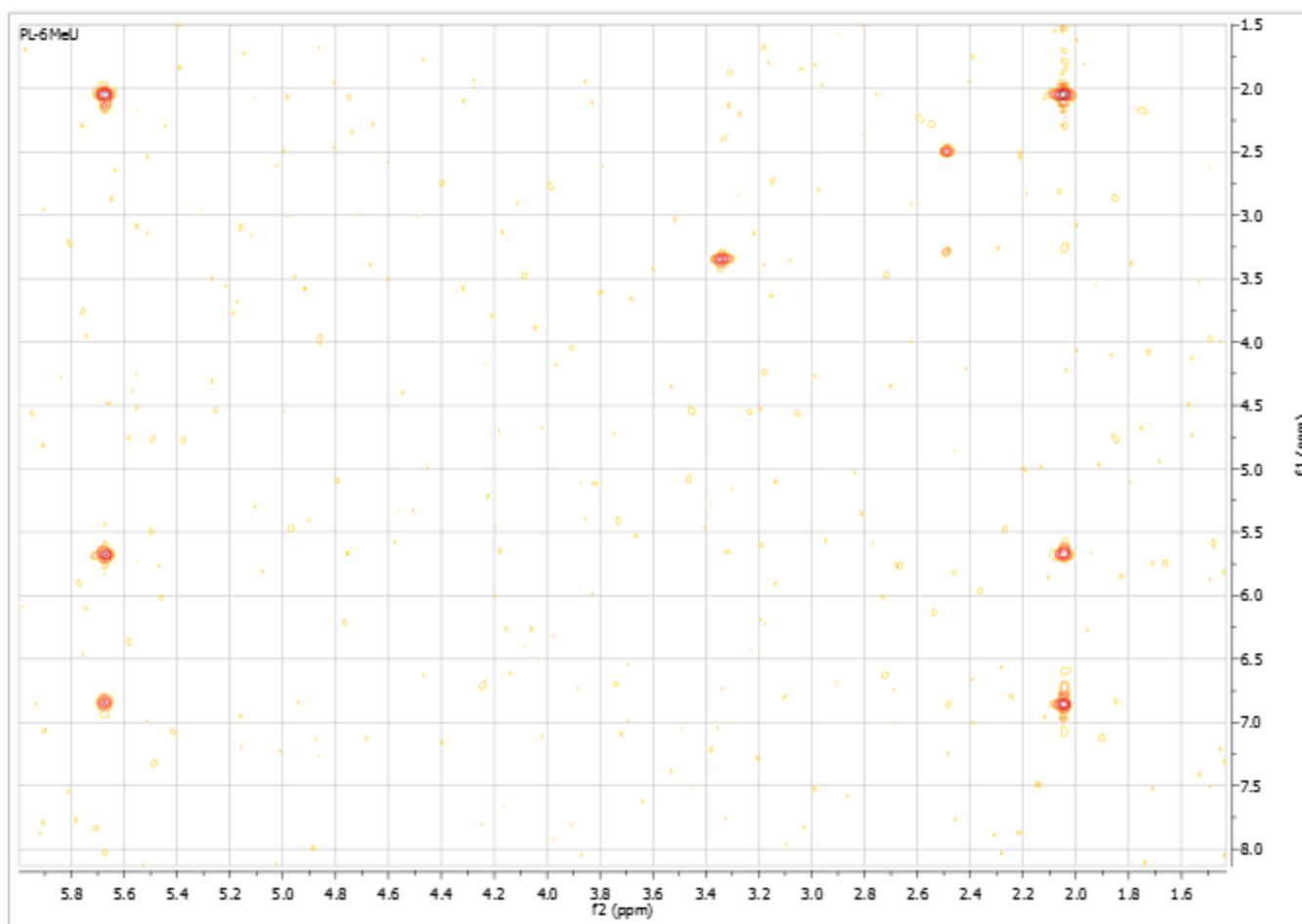


Figure 5. The ^1H - ^1H COSY NMR spectrum of the ligand, 6-methyl-2-thiouracil.

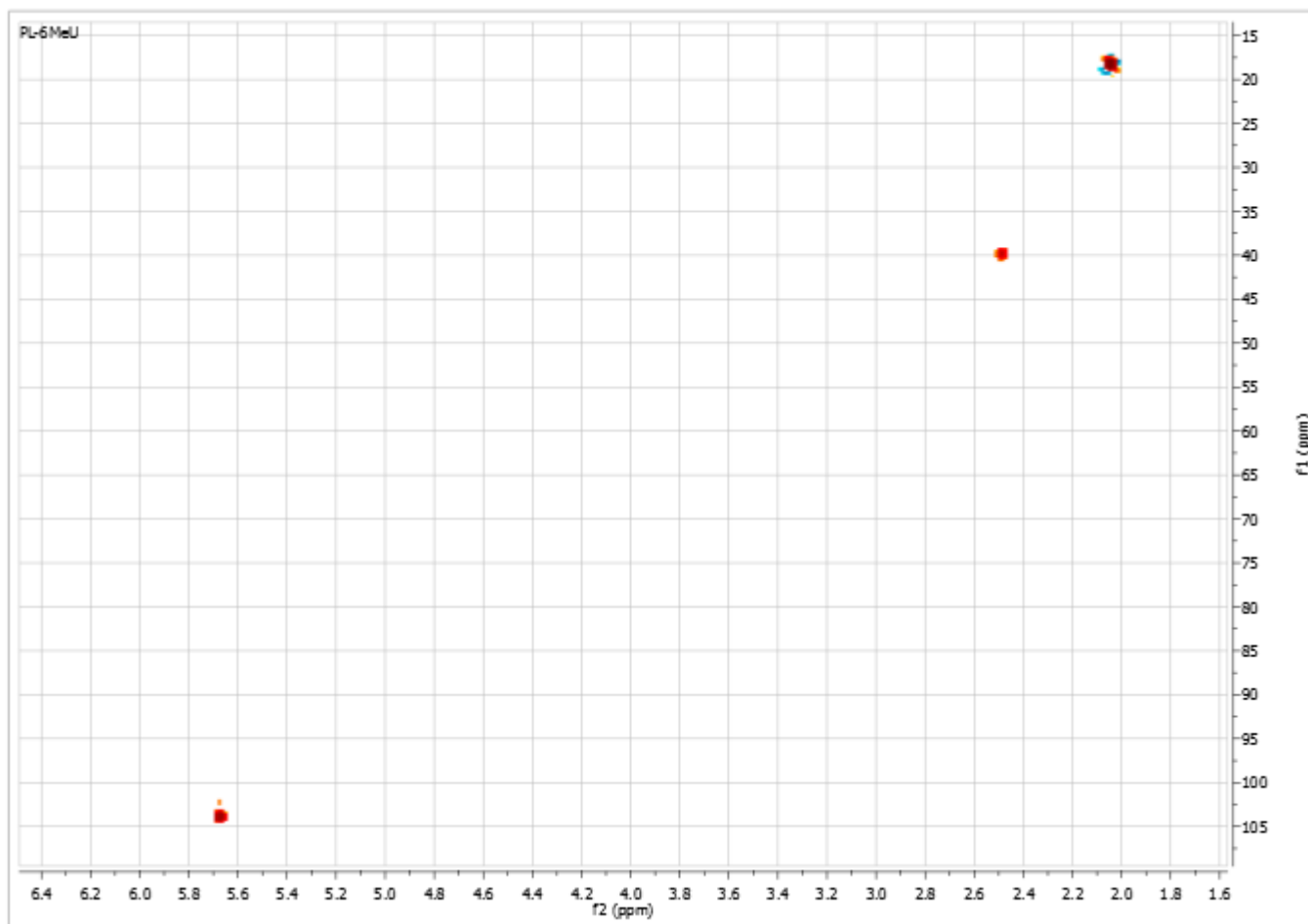


Figure 6. The HMQC NMR spectrum of the ligand, 6-methyl-2-thiouracil.

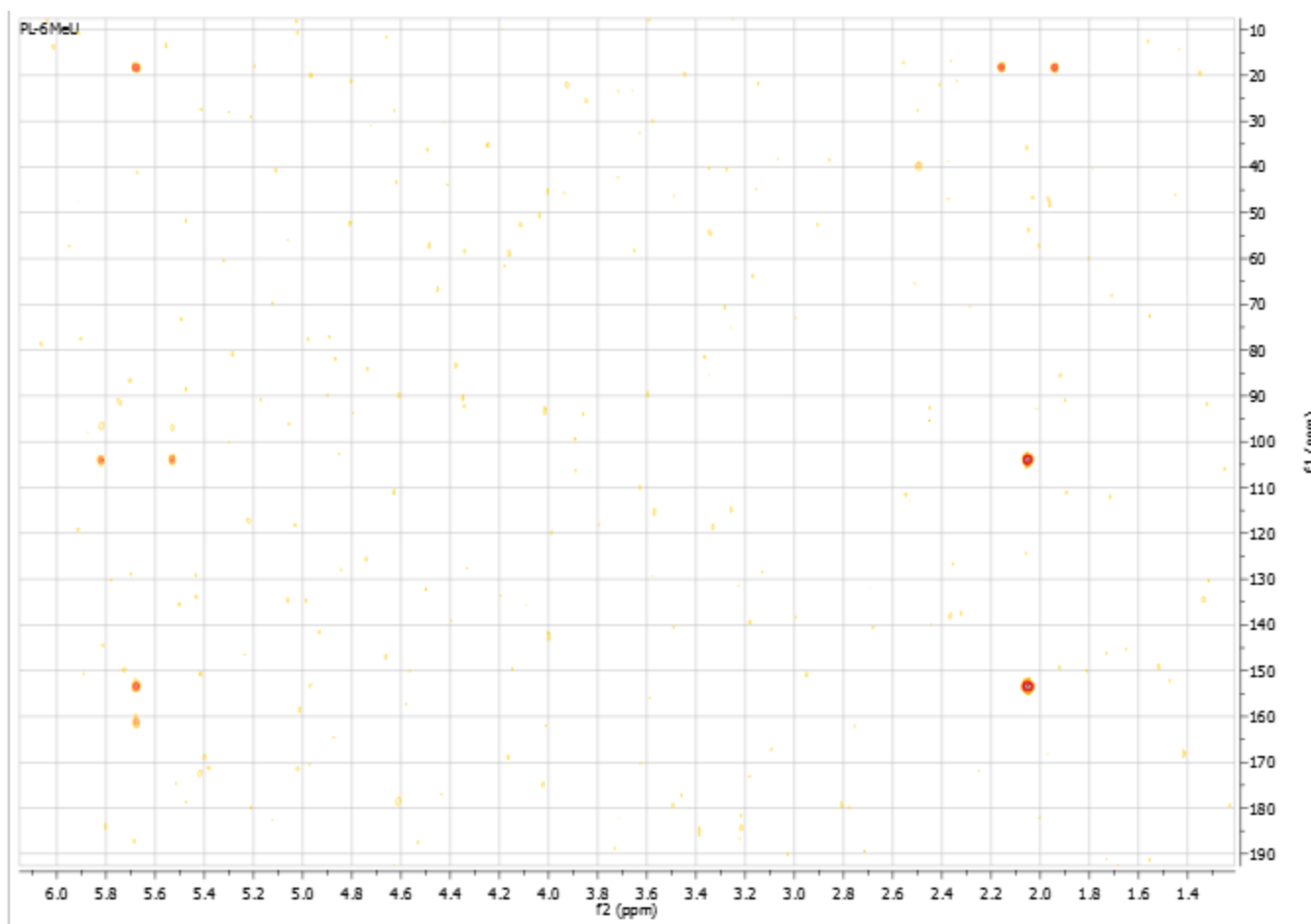


Figure 7. The HMBC NMR spectrum of the ligand, 6-methyl-2-thiouracil.

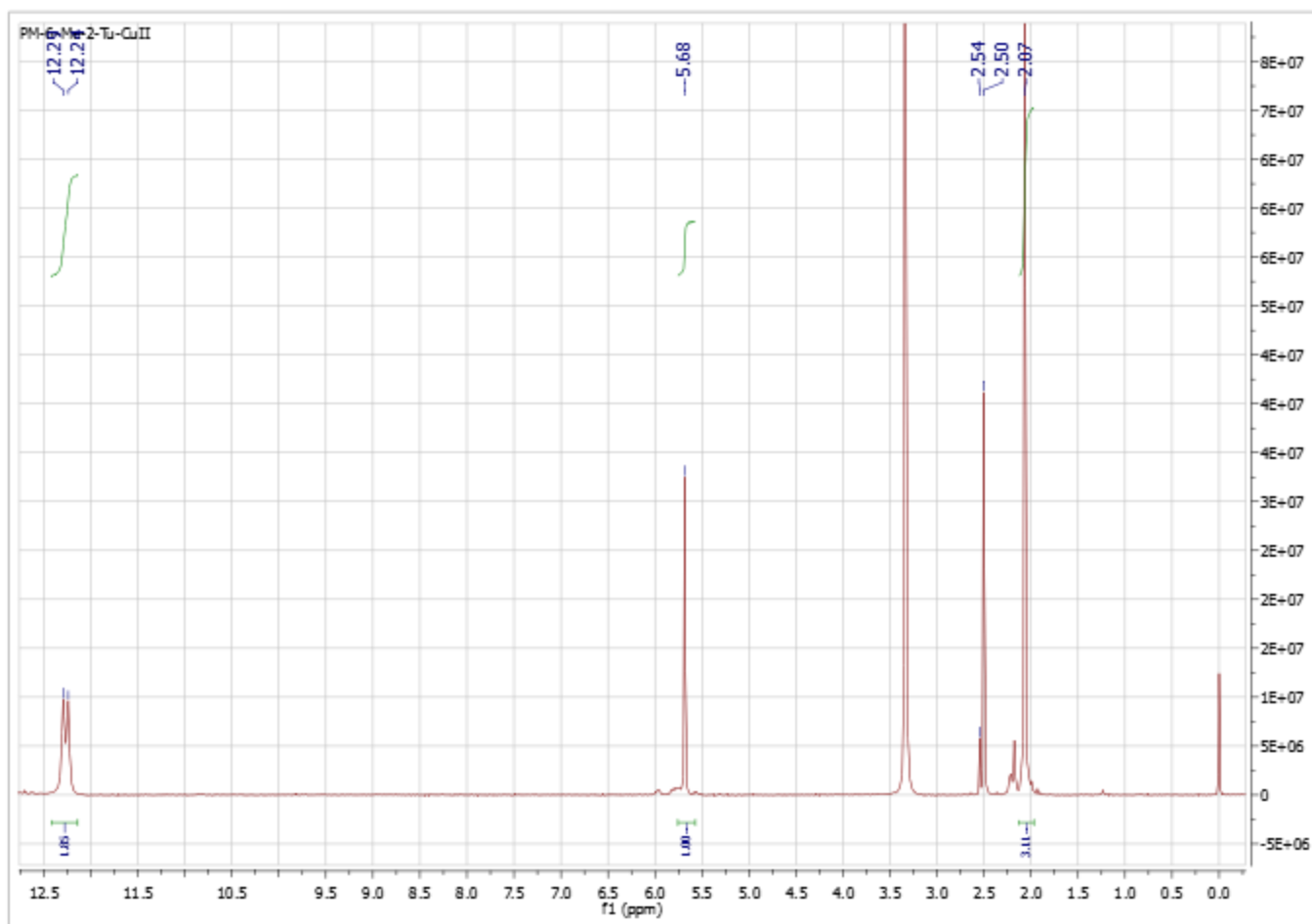


Figure 8. The ^1H NMR spectrum of the complex, Cu(II) with 6-methyl-2-thiouracil.

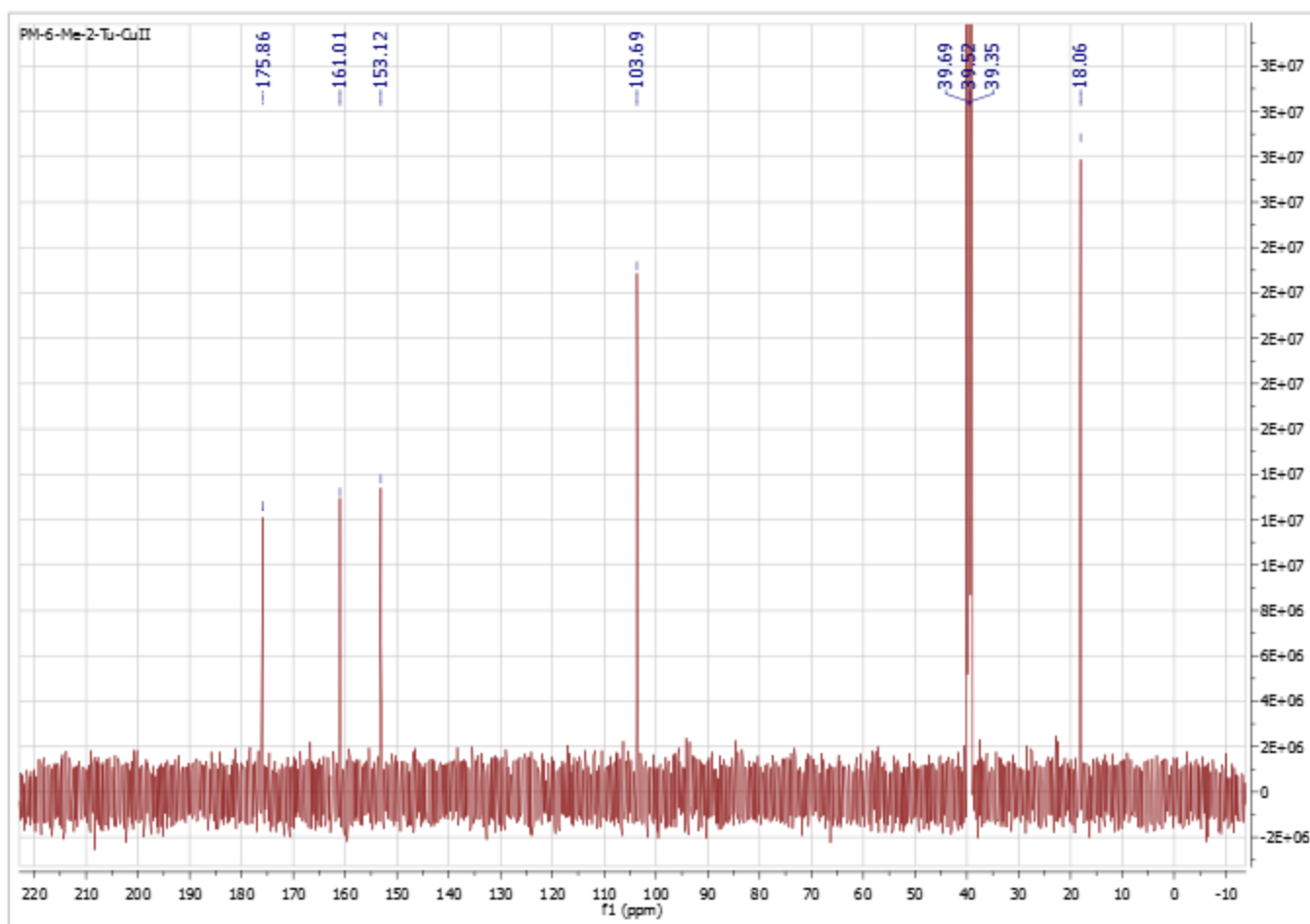


Figure 9. ^1H -broadband decoupled ^{13}C -NMR spectrum of the complex, Cu(II) with 6-methyl-2-thiouracil.

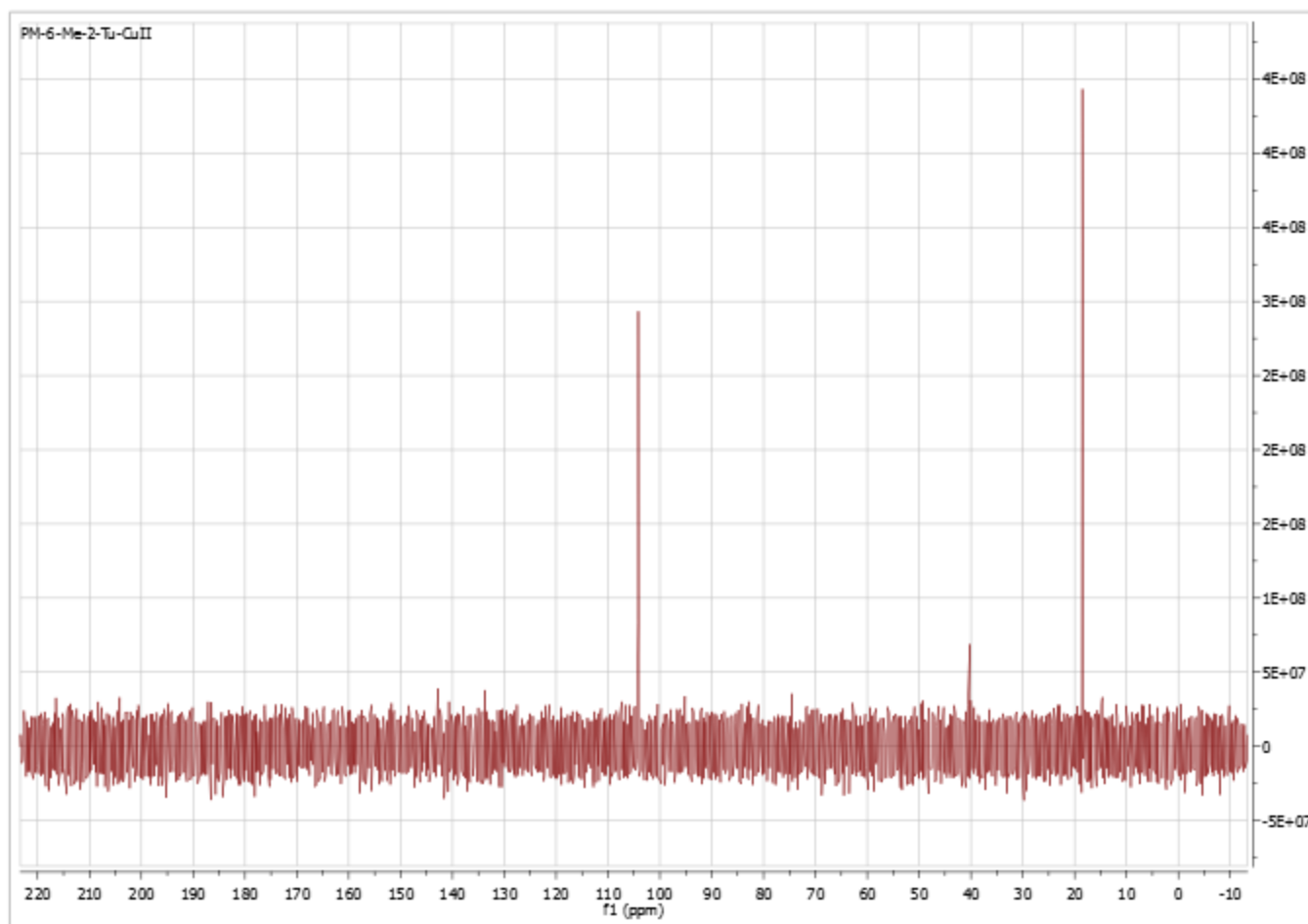


Figure 10. The DEPT-135 NMR spectrum of the complex, Cu(II) with 6-methyl-2-thiouracil.

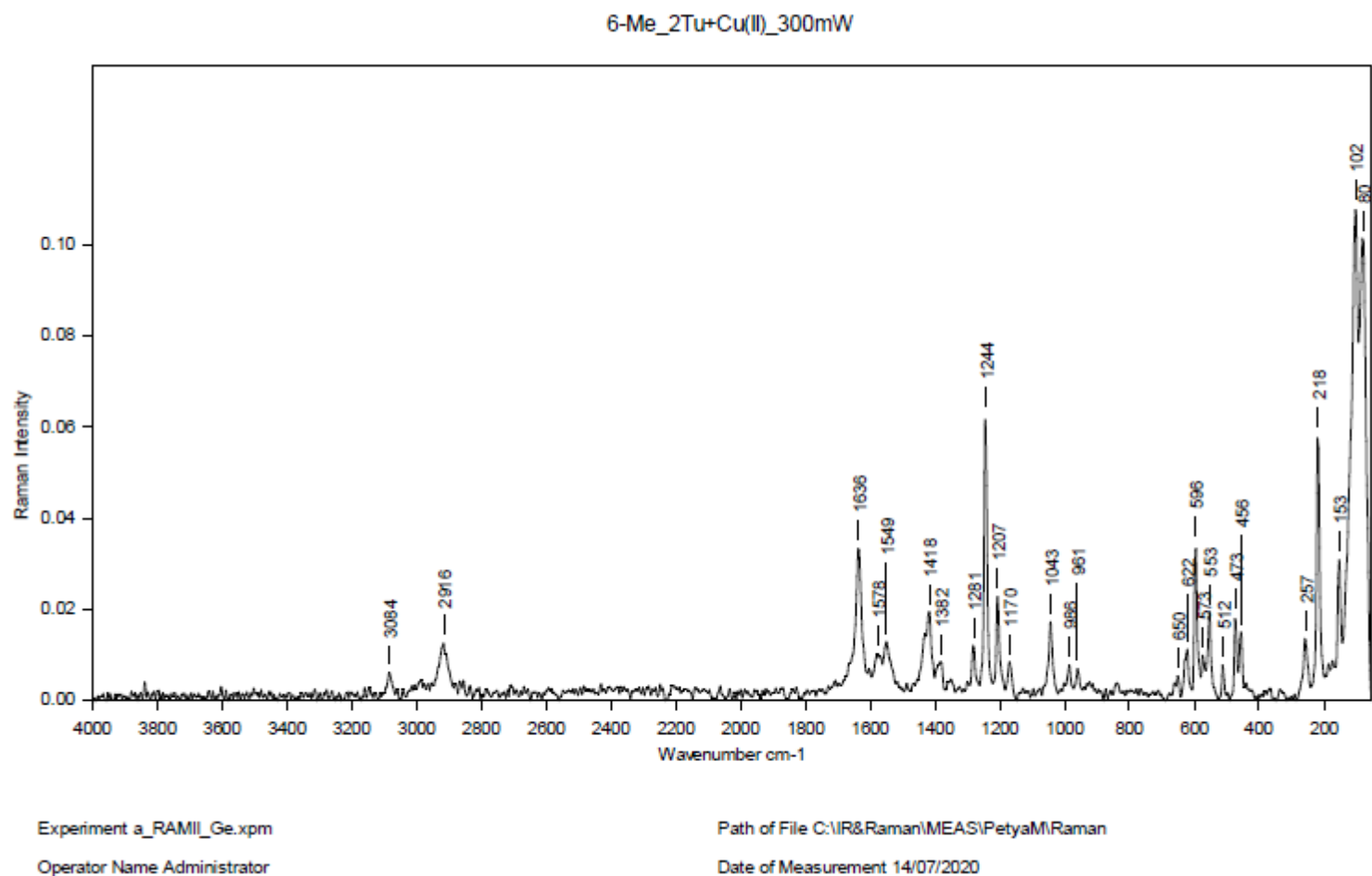


Figure 11. The Raman spectrum of the complex, Cu(II) with 6-methyl-2-thiouracil.

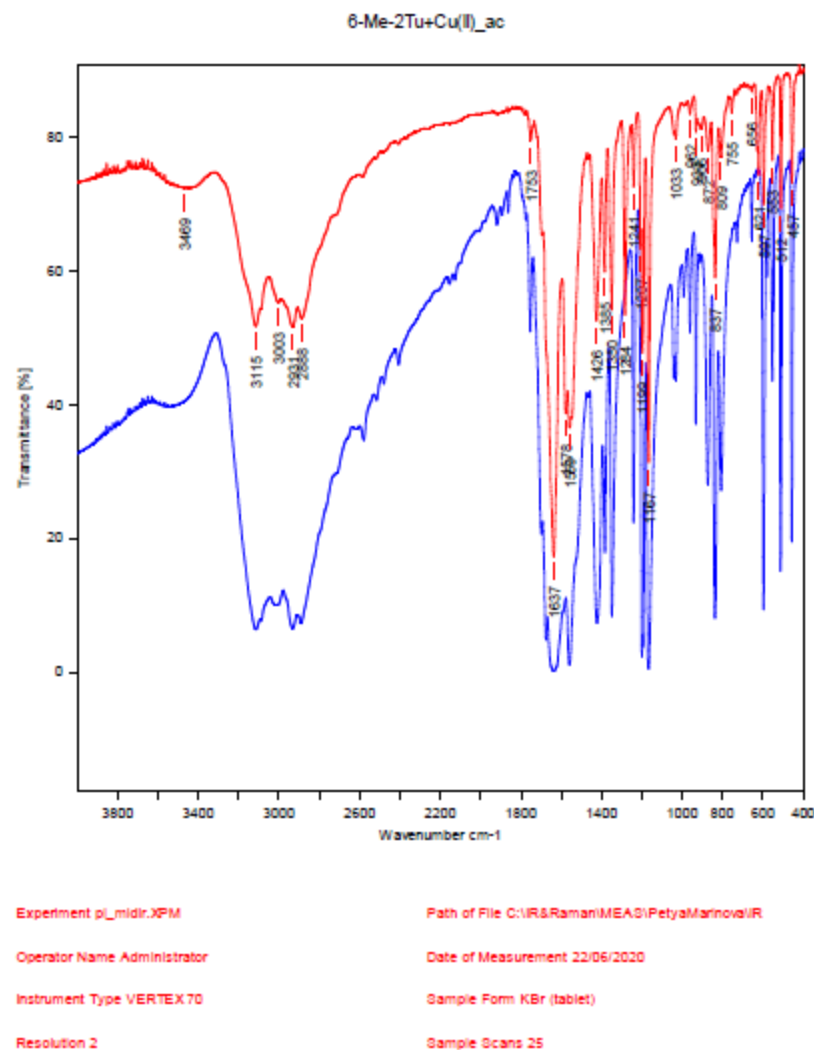


Figure 12. The IR spectrum of the complex, Cu(II) with 6-methyl-2-thiouracil (red) and ligand (blue).

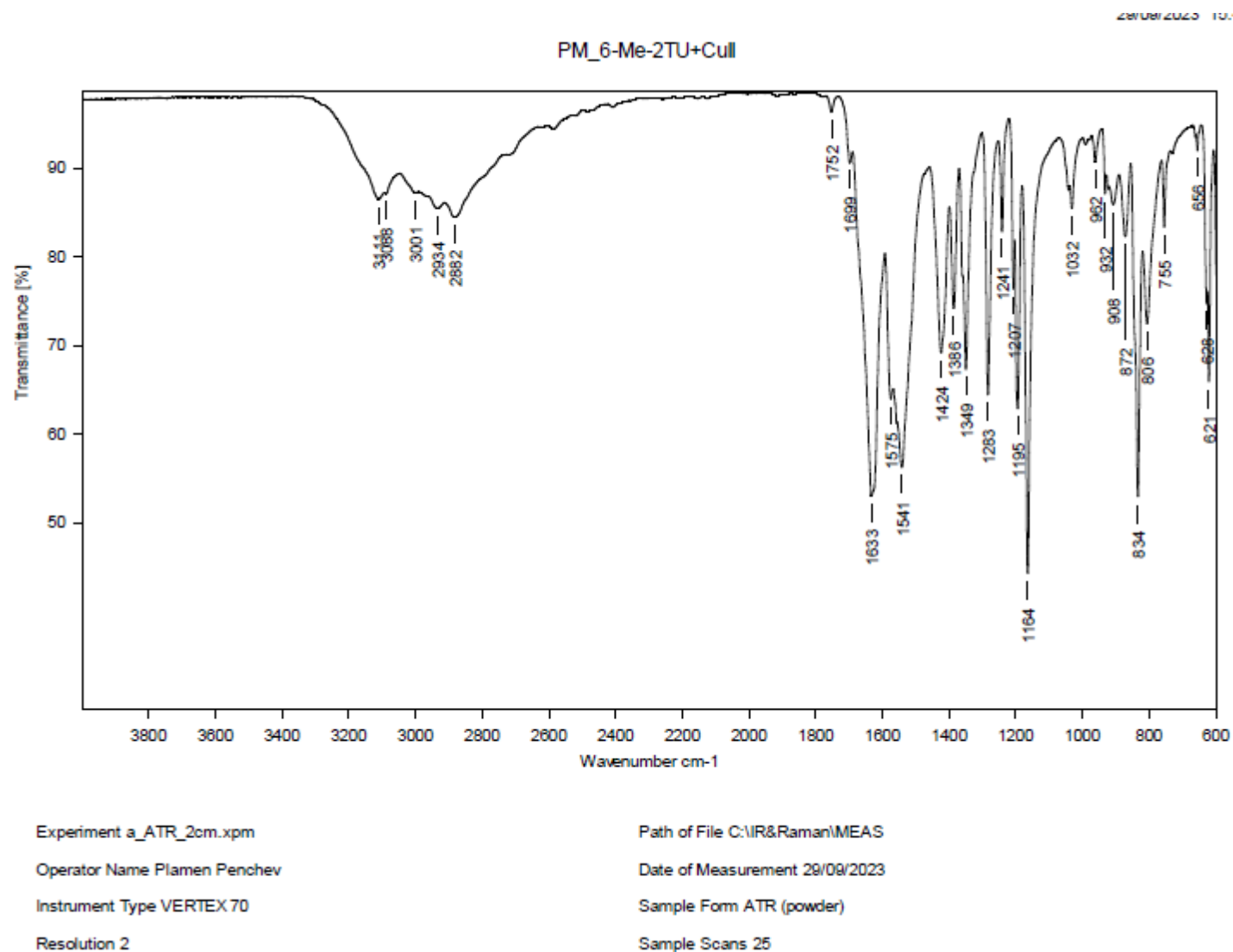


Figure 13. The ATR spectrum of the complex, Cu(II) with 6-methyl-2-thiouracil.

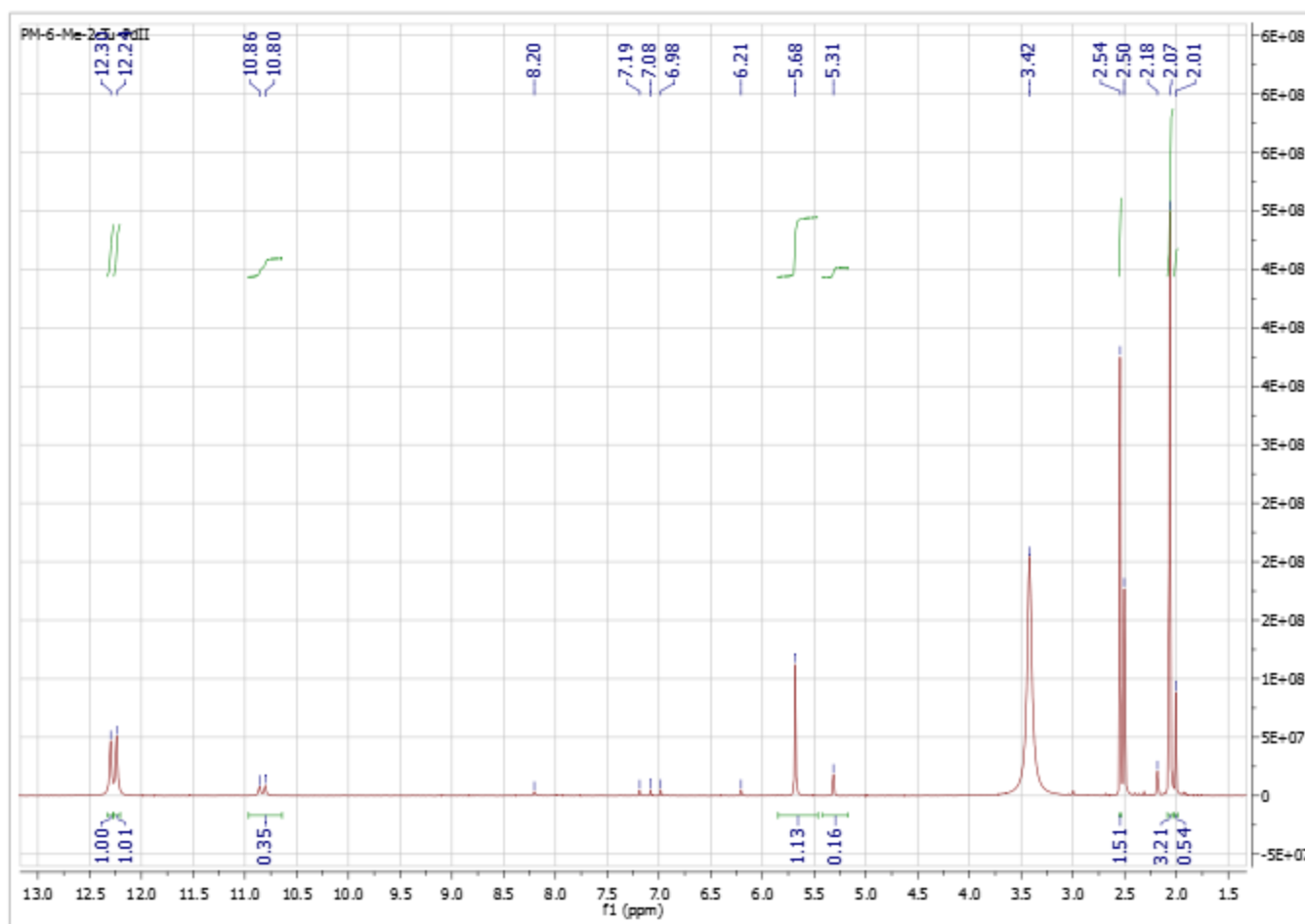


Figure 14. The ¹H NMR spectrum of the complex, Pd(II) with 6-methyl-2-thiouracil.

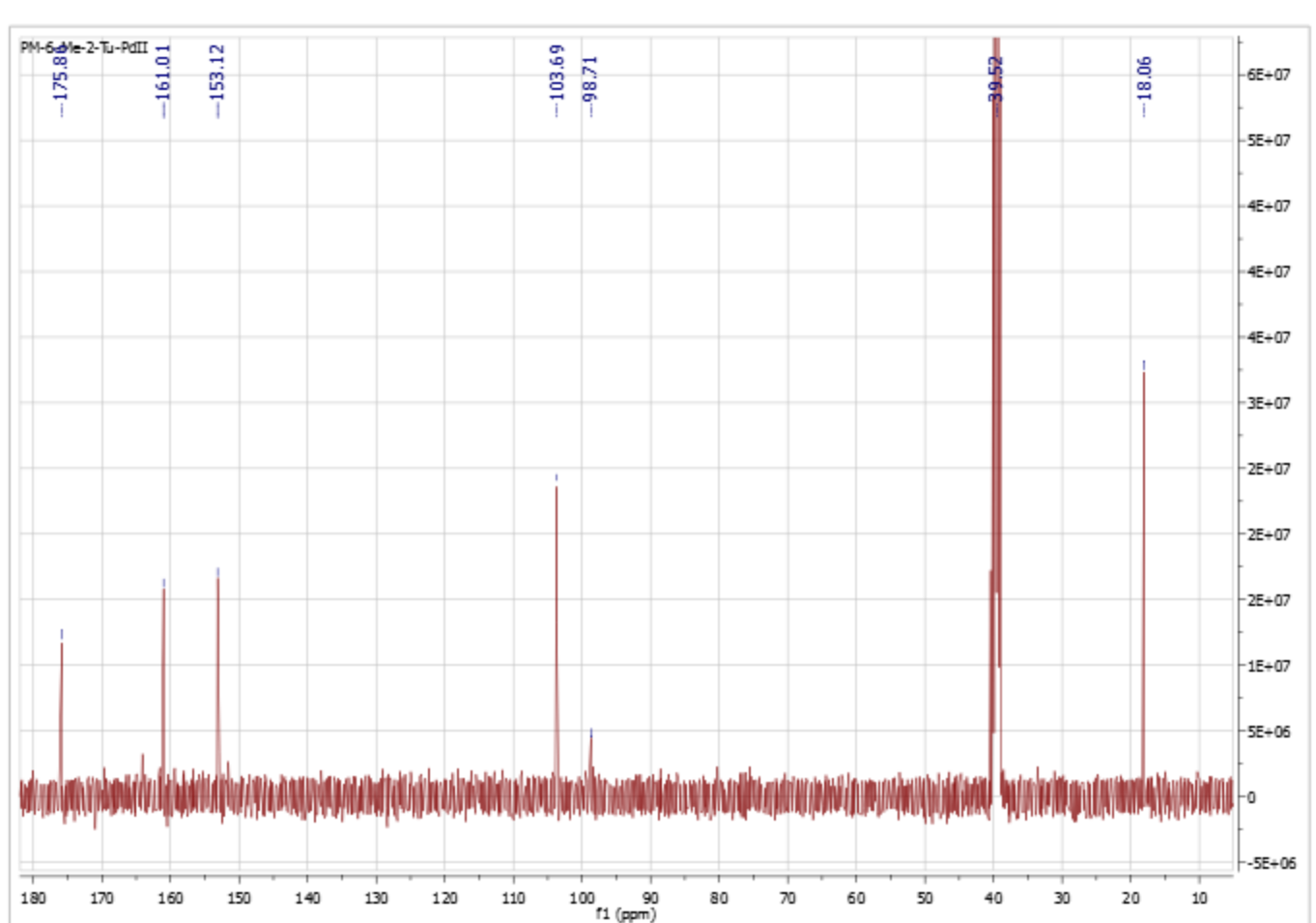


Figure 15. ^1H -broadband decoupled ^{13}C -NMR spectrum of the complex, Pd(II) with 6-methyl-2-thiouracil.

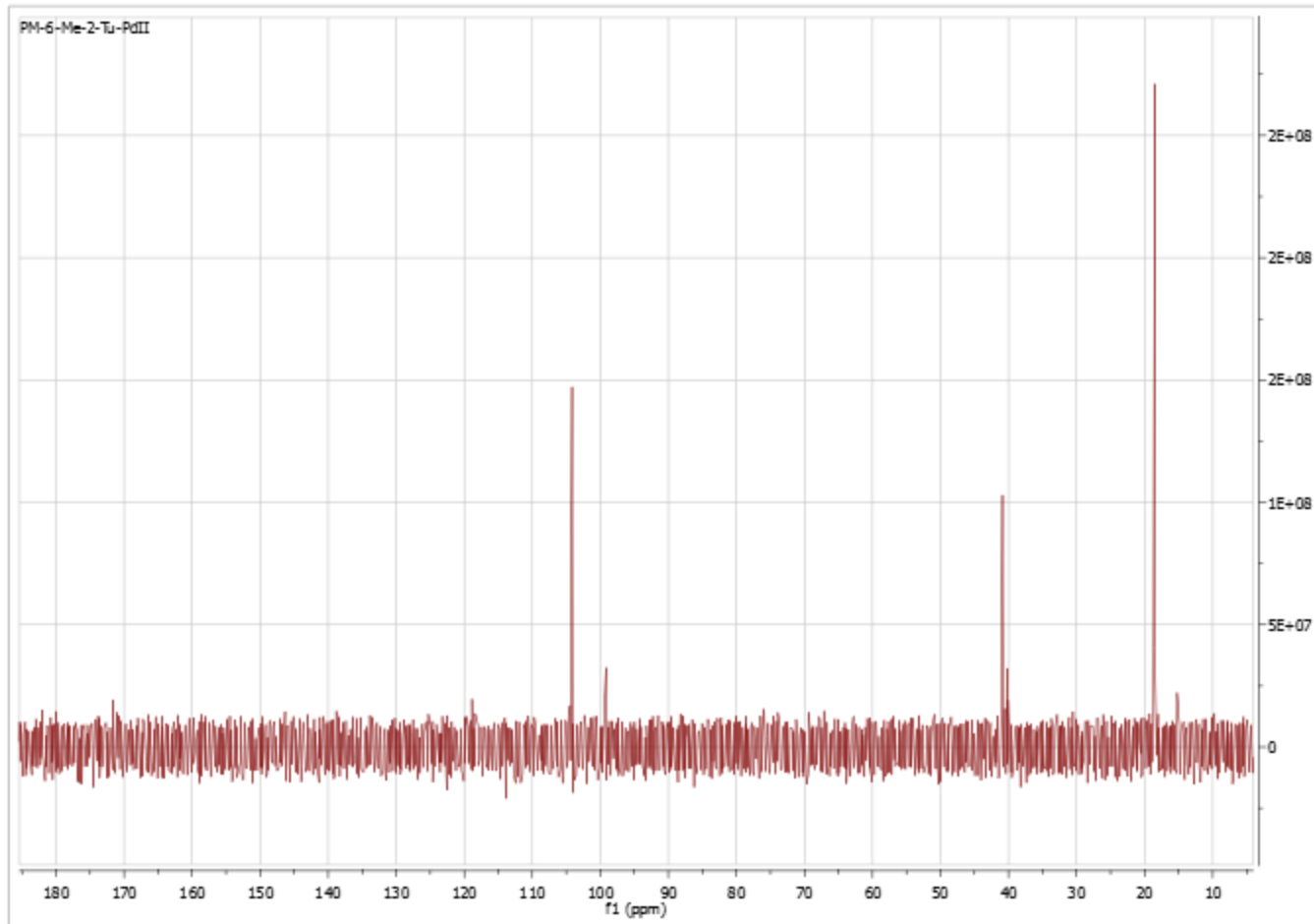


Figure 16. The DEPT-135 spectrum of the complex, Pd(II) with 6-methyl-2-thiouracil.

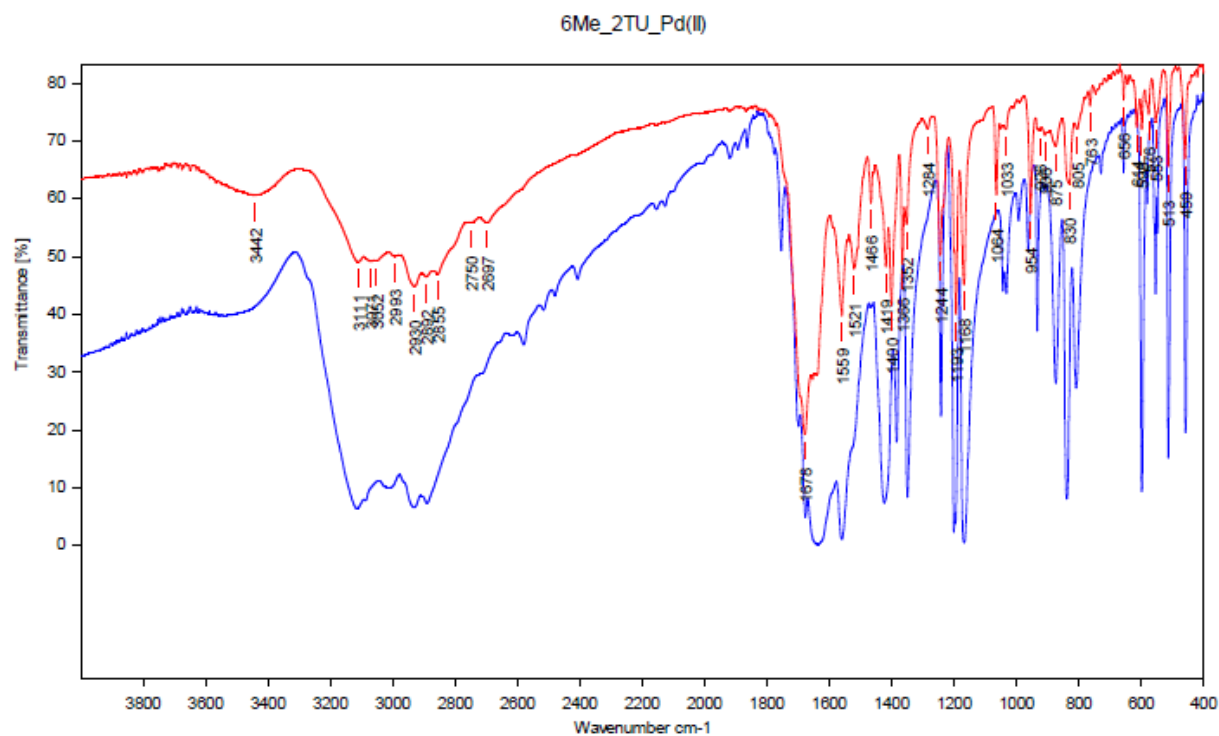


Figure 17. The IR spectrum of the complex, Pd(II) with 6-methyl-2-thiouracil (red) and ligand (blue).

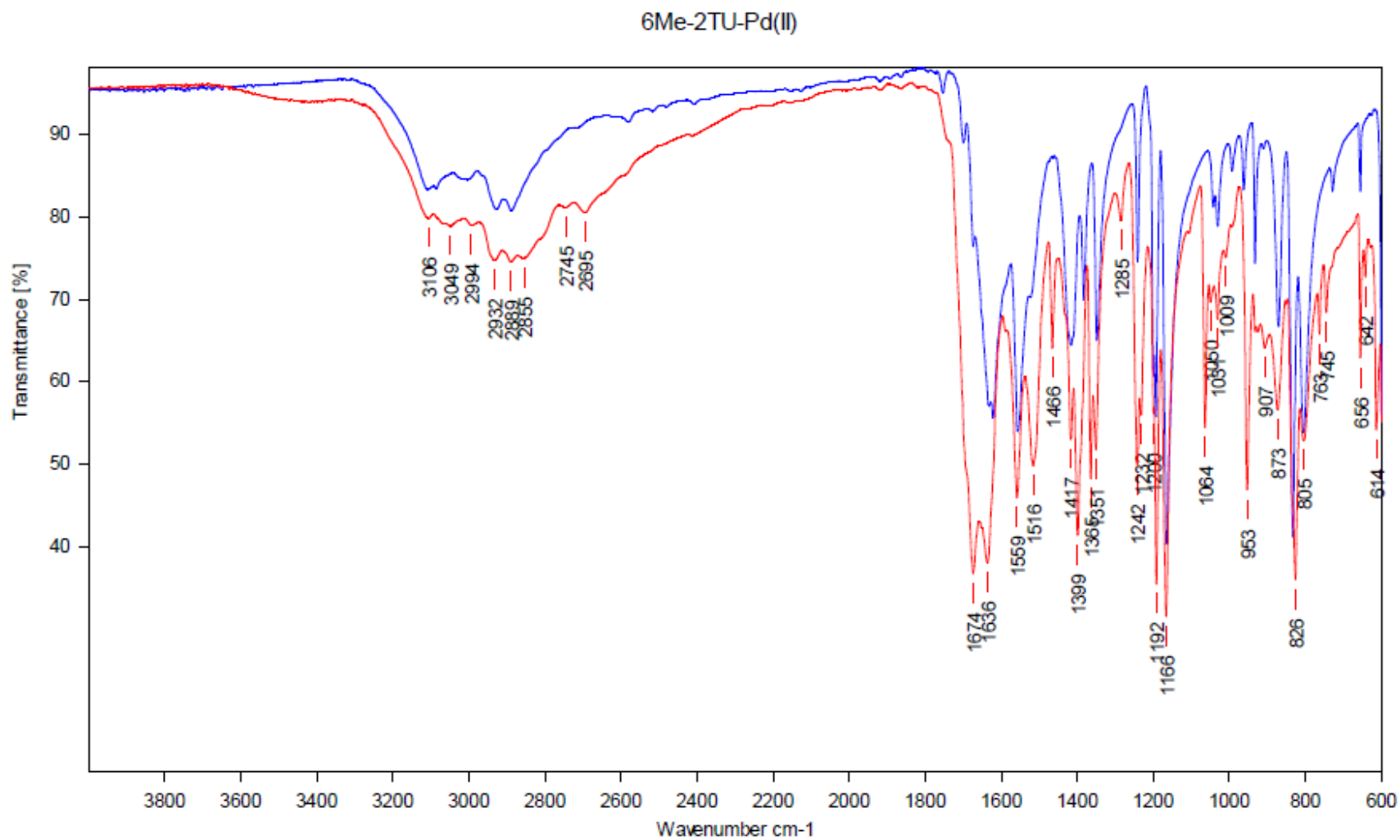


Figure 18. The ATR spectrum of the complex, Pd(II) with 6-methyl-2-thiouracil (red) and ligand (blue).

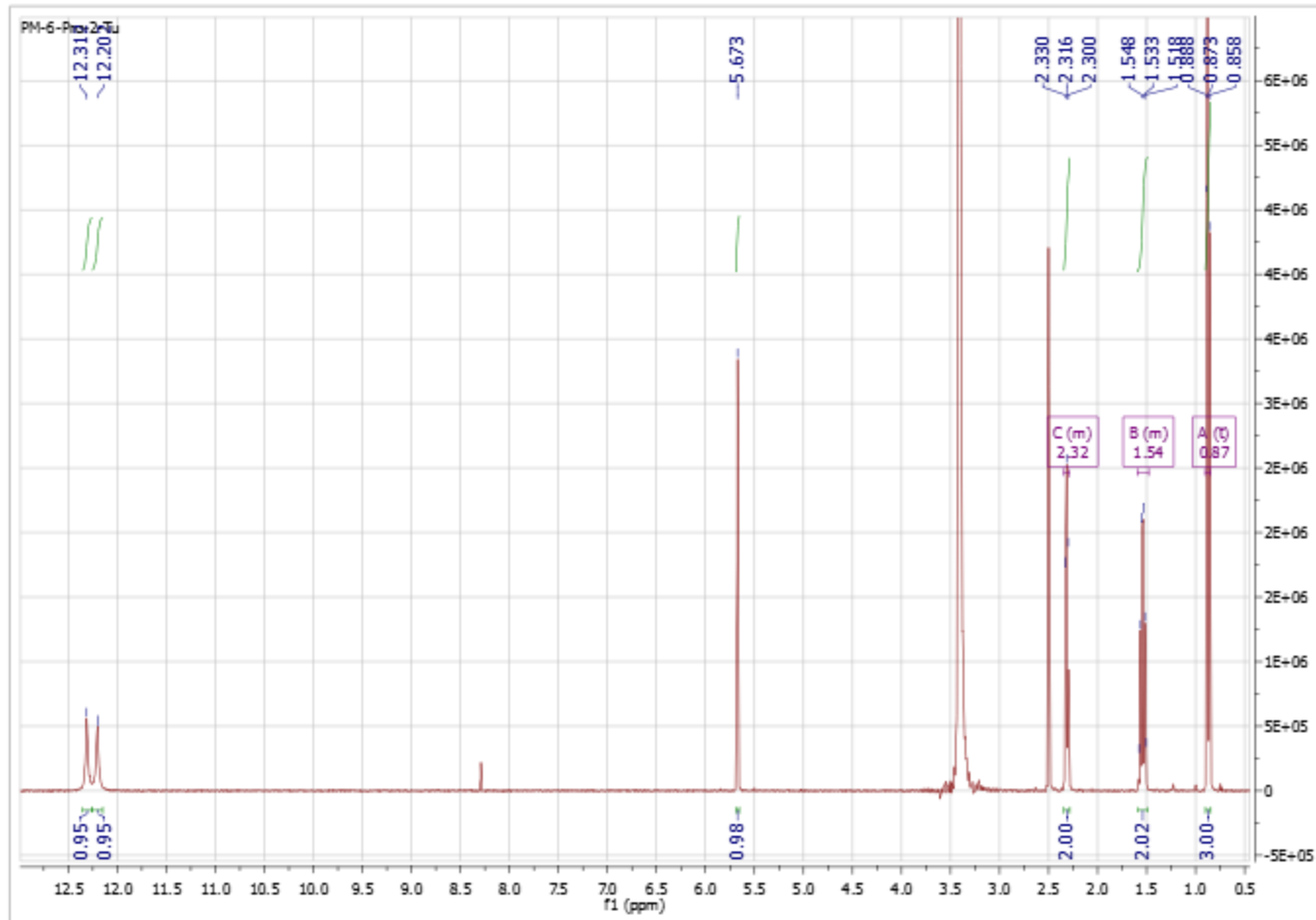


Figure 19. The ^1H NMR spectrum of the ligand, 6-propyl-2-thiouracil.

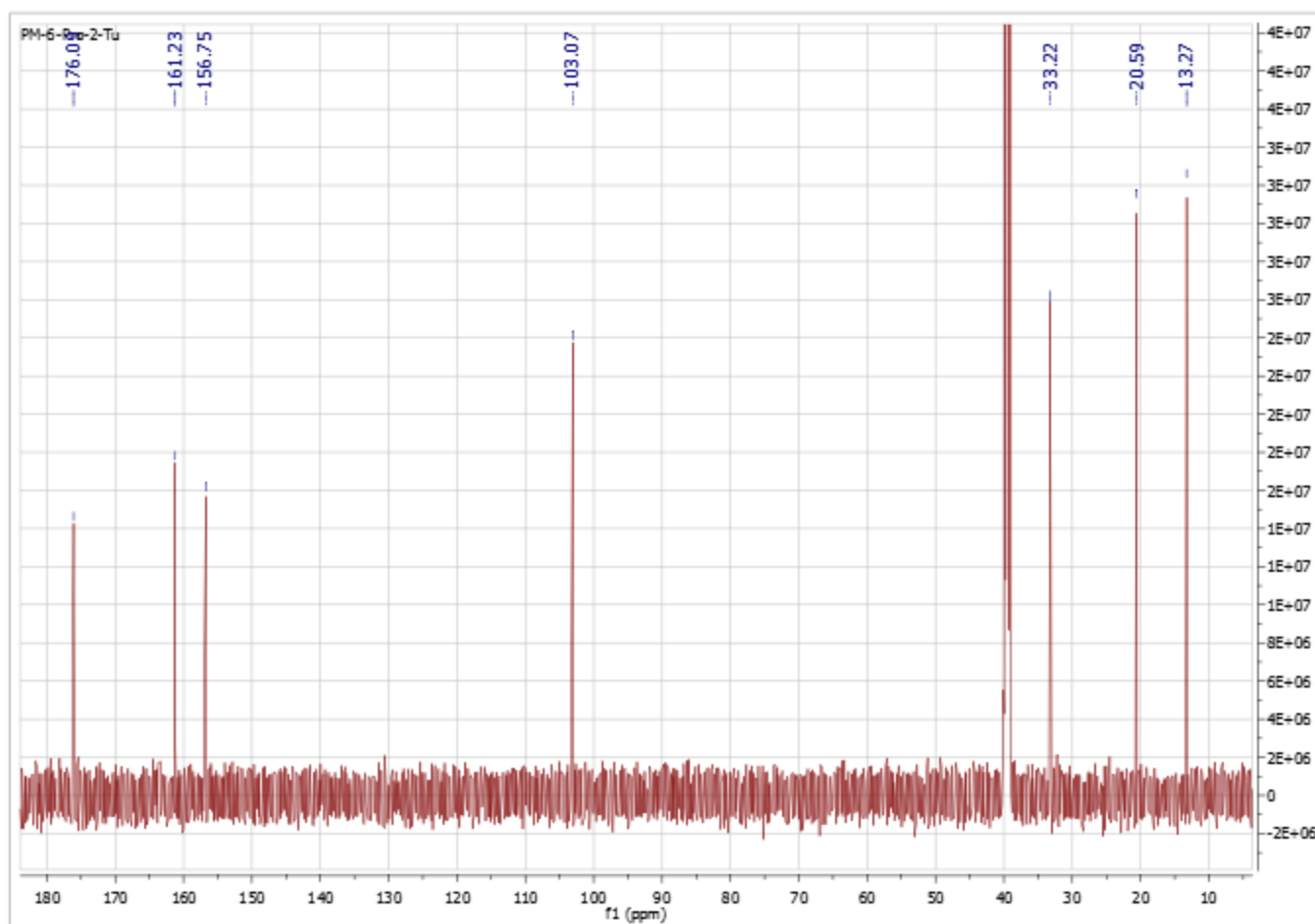


Figure 20. ^1H -broadband decoupled ^{13}C -NMR spectrum of the ligand, 6-propyl-2-thiouracil.

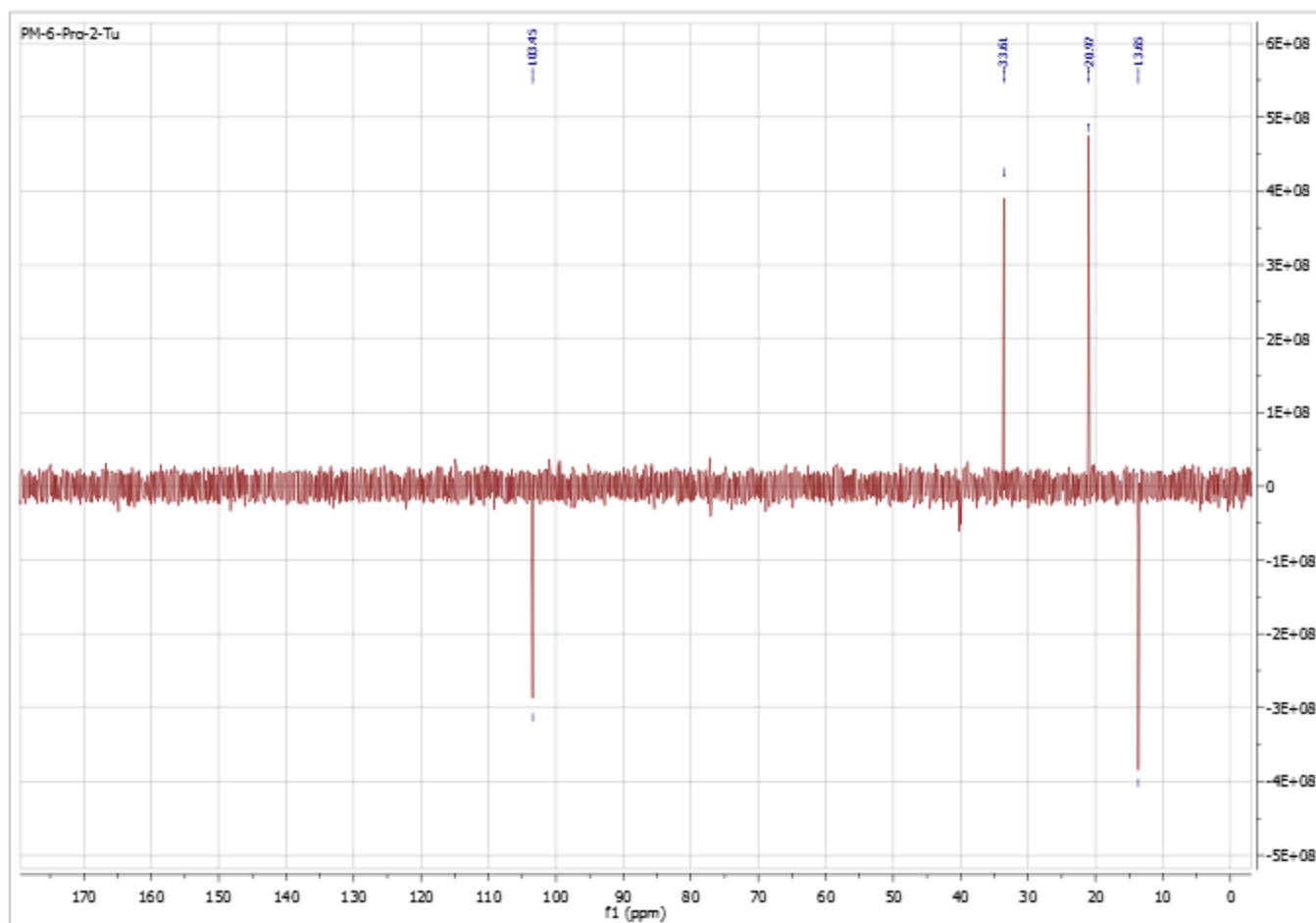


Figure 21. The DEPT-135 spectrum of 6-propyl-2-thiouracil.

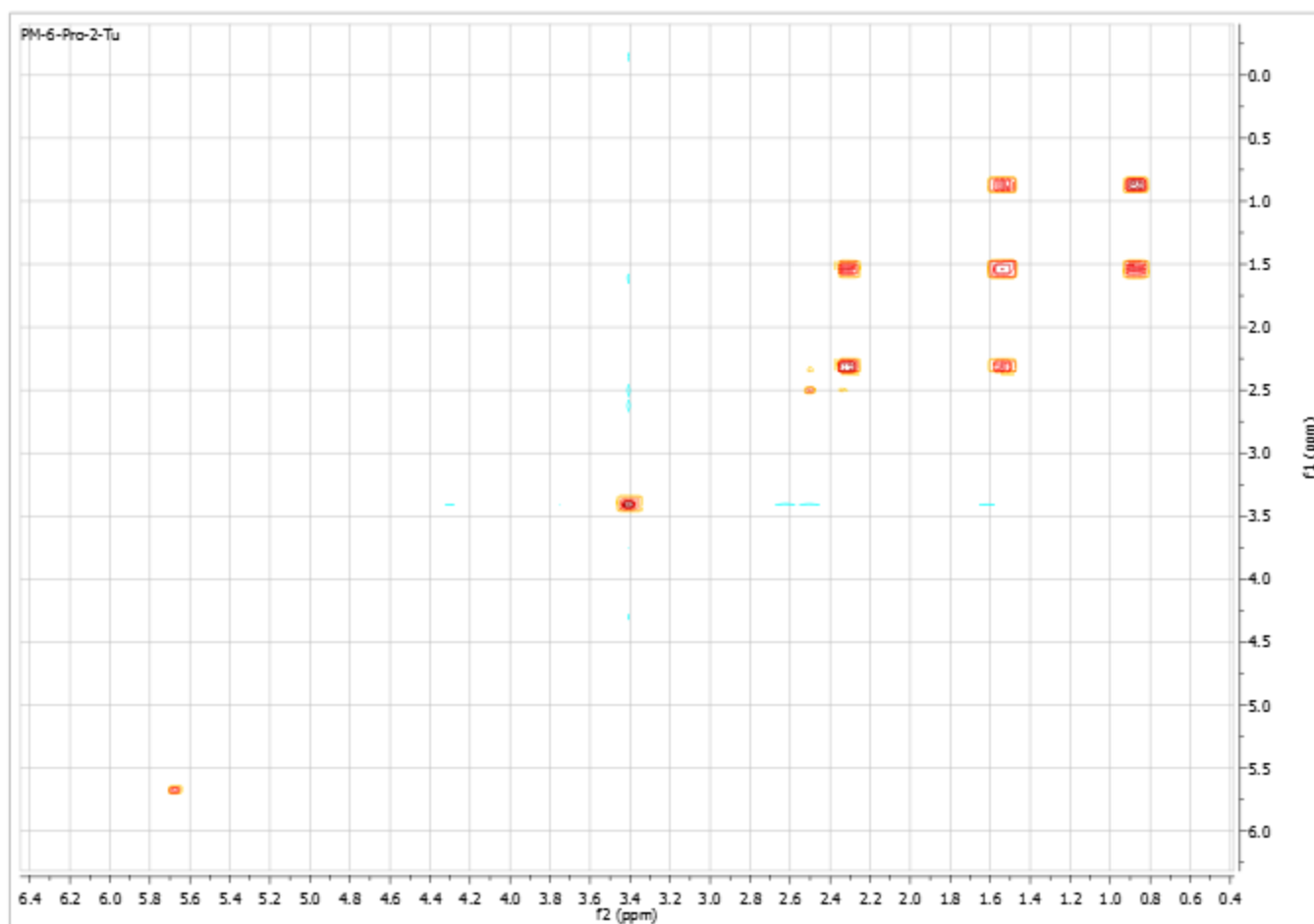


Figure 22. The ^1H - ^1H COSY NMR spectrum of the ligand, 6-propyl-2-thiouracil.

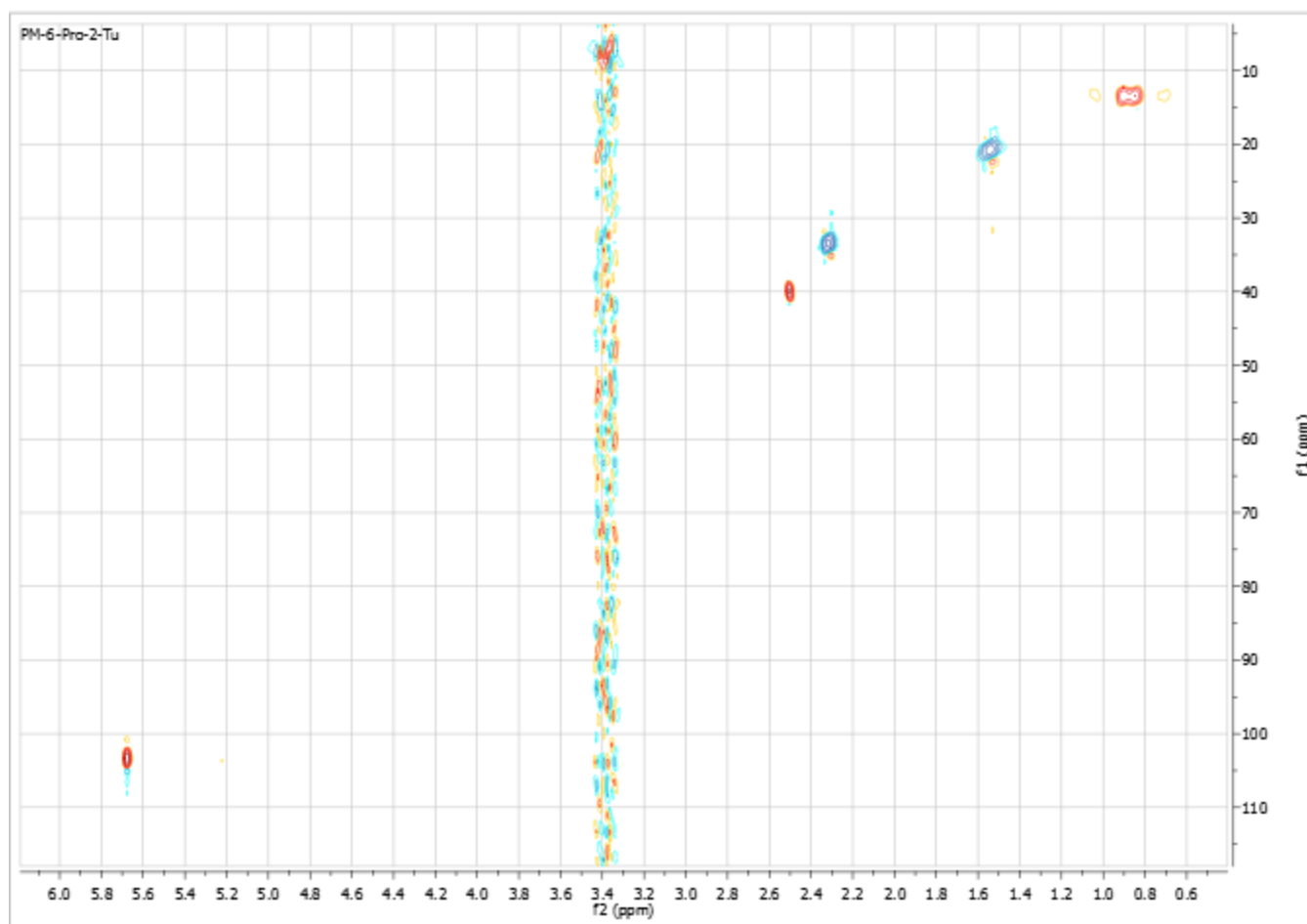


Figure 23. The HSQC NMR spectrum of the ligand, 6-propyl-2-thiouracil.

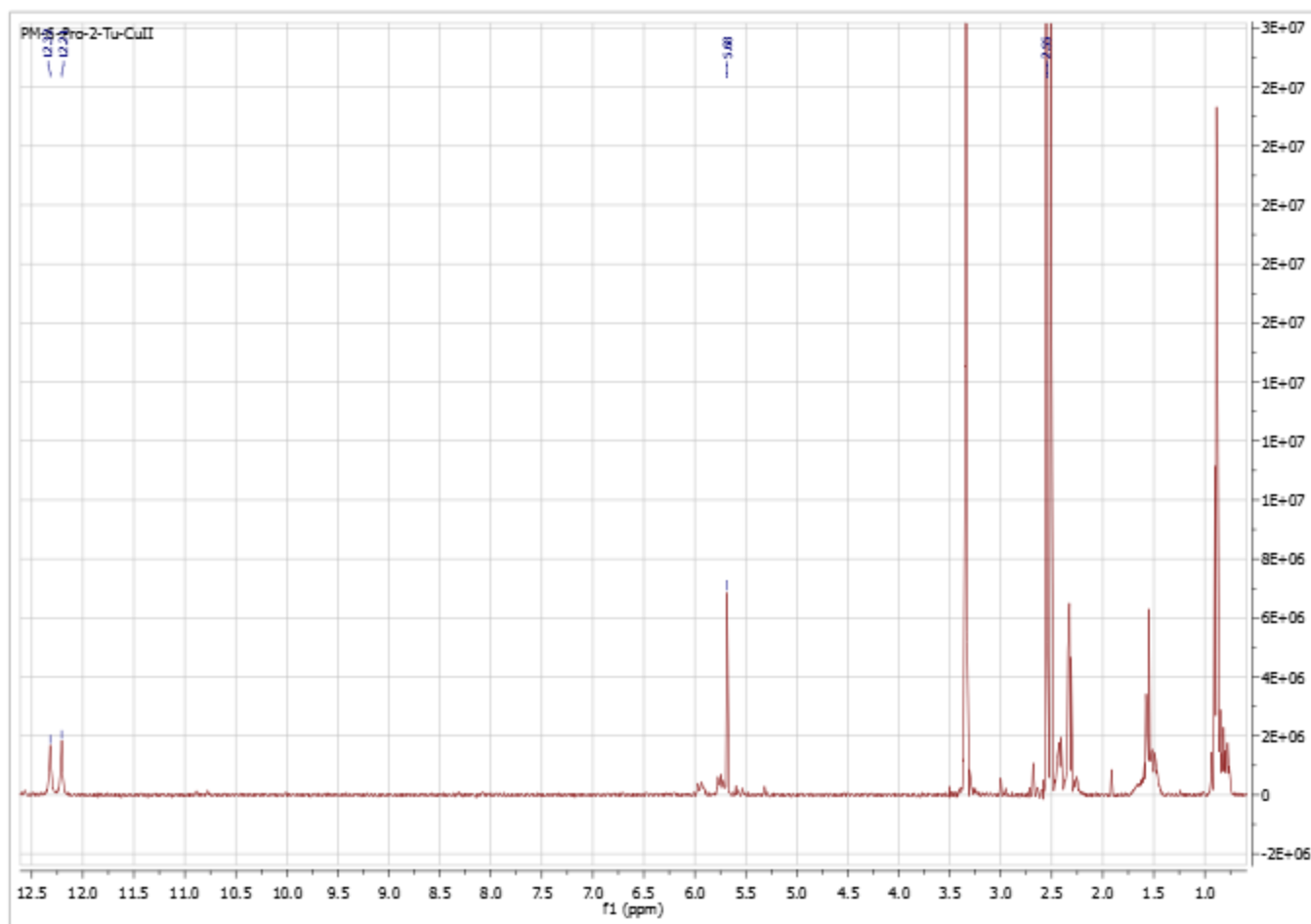


Figure 24. The ^1H NMR spectrum of the complex, Cu(II) with 6-propyl-2-thiouracil.

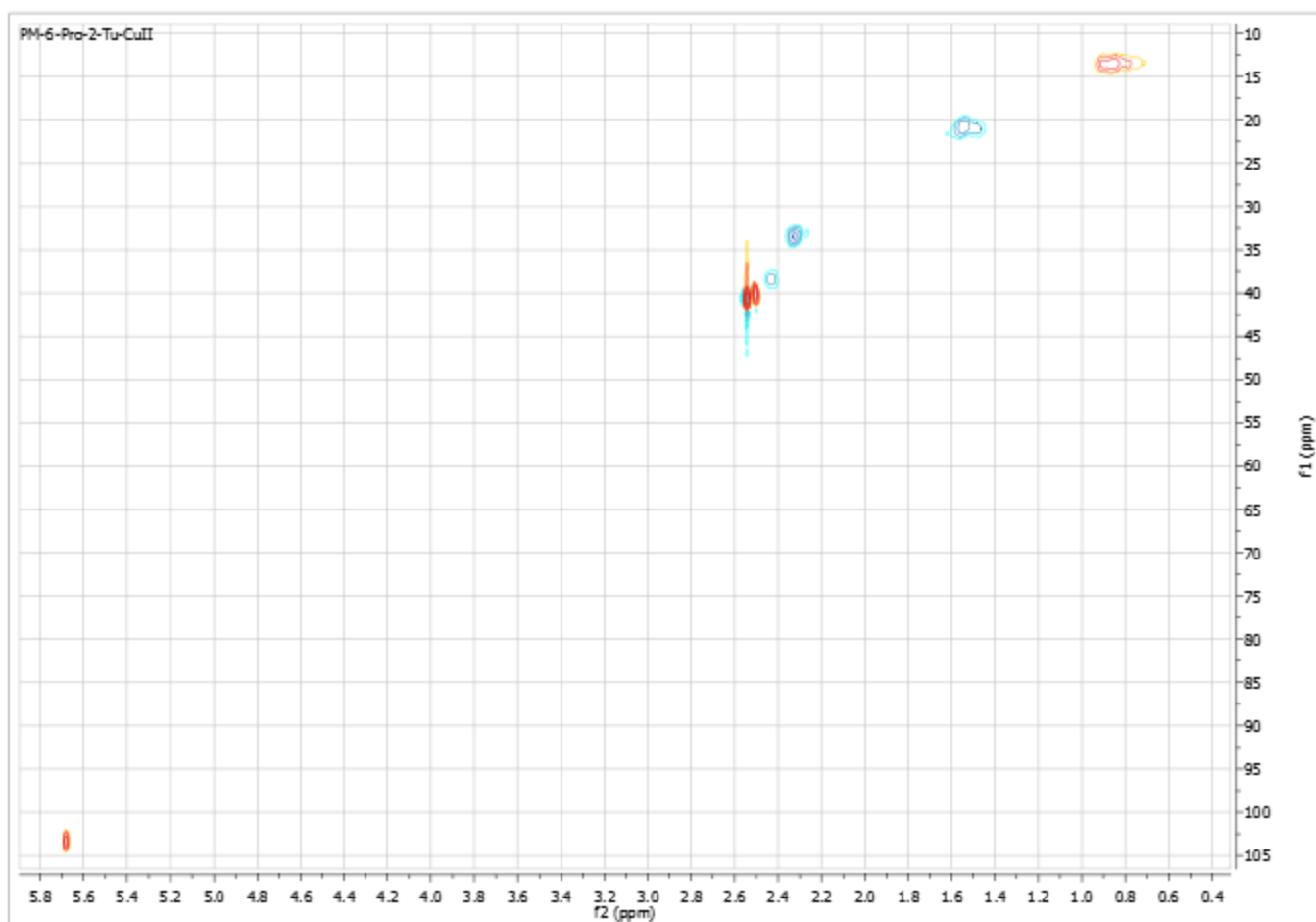


Figure 25. The HSQC NMR spectrum of the complex, Cu(II) with 6-propyl-2-thiouracil.

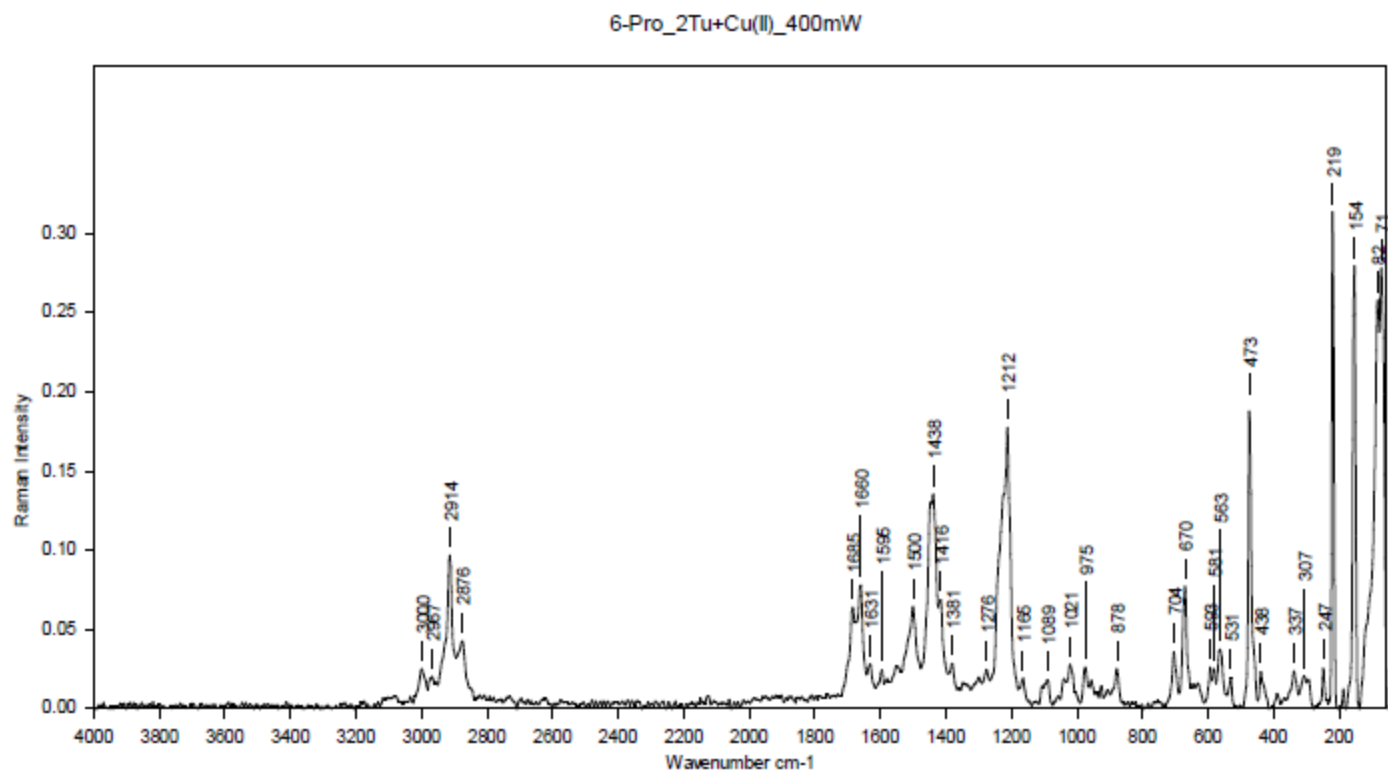


Figure 26. The Raman spectrum of the complex, Cu(II) with 6- propyl -2-thiouracil.

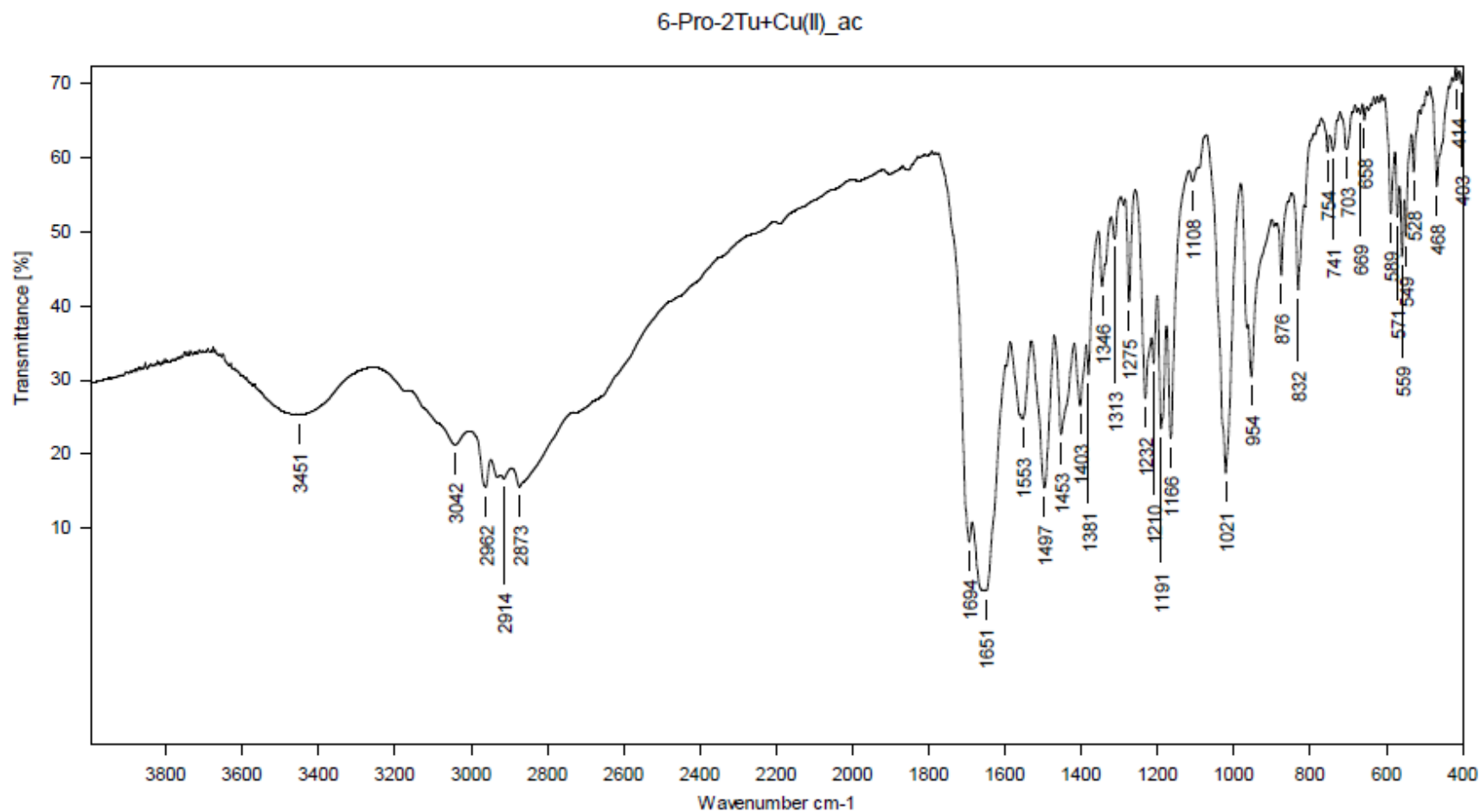


Figure 27. The IR spectrum of the complex, Cu(II) with 6- propyl -2-thiouracil.

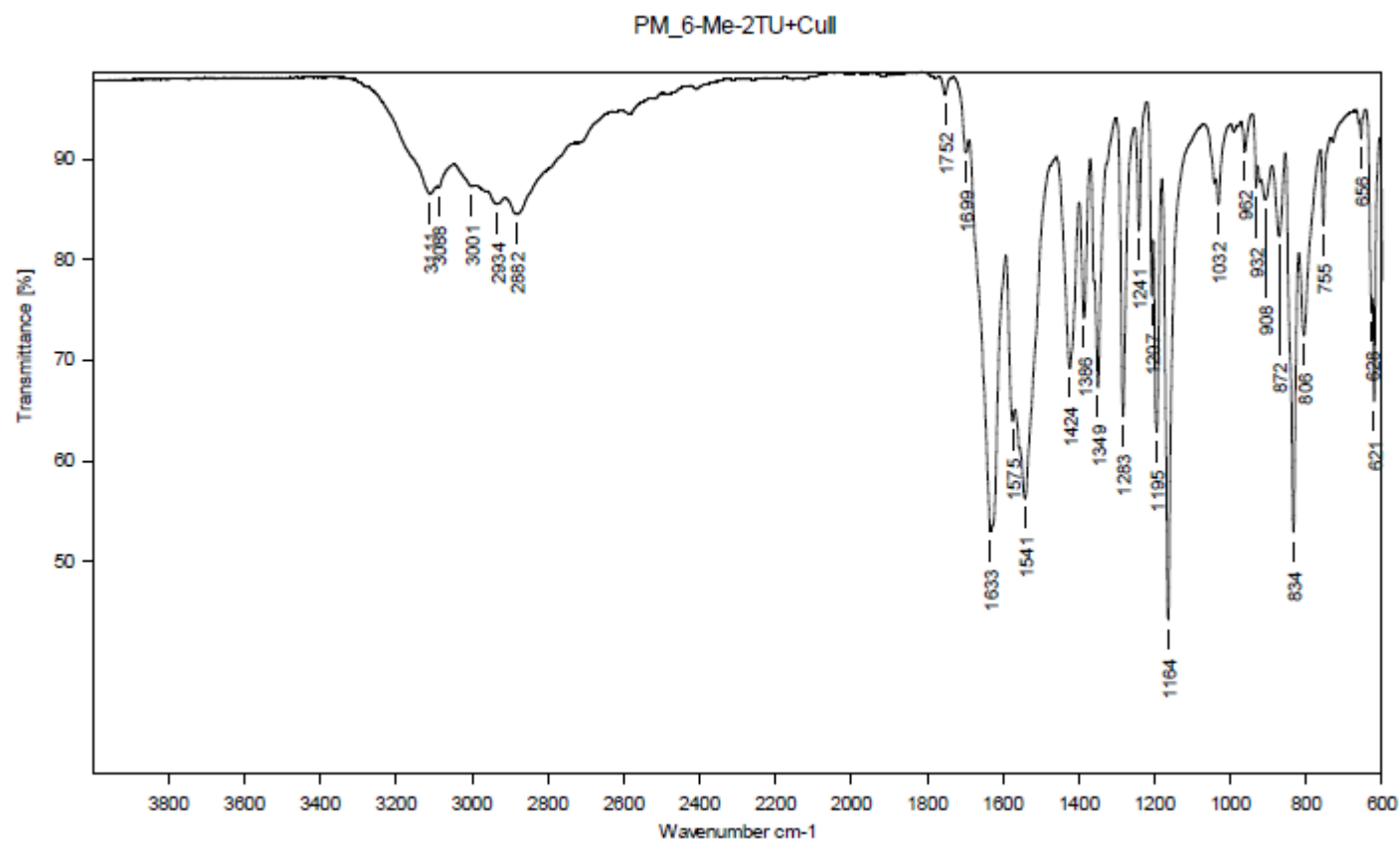


Figure 28. The ATR spectrum of the complex, Cu(II) with 6- propyl -2-thiouracil.

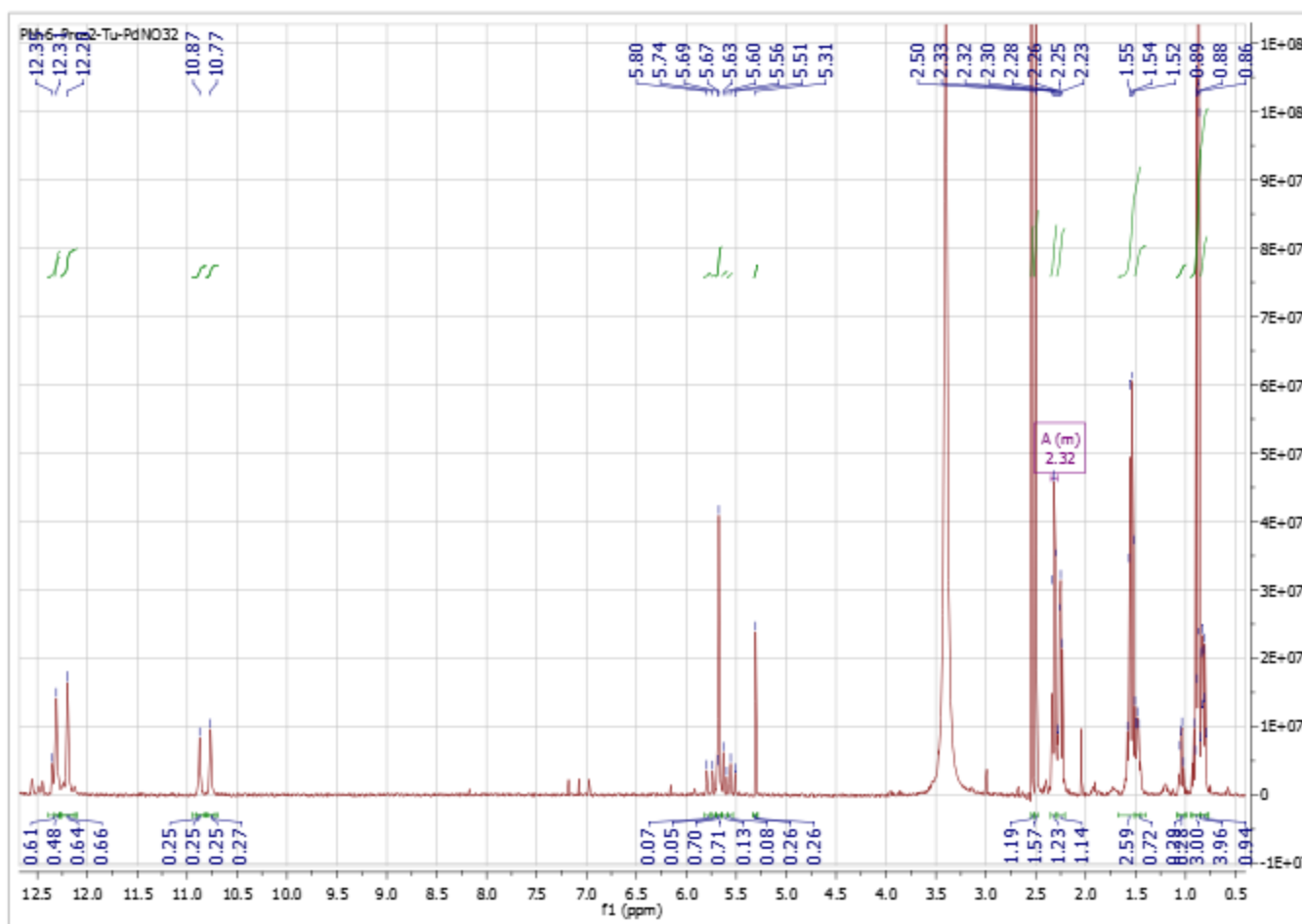


Figure 29. The ¹H NMR spectrum of the complex, Pd(II) with 6- propyl -2-thiouracil.

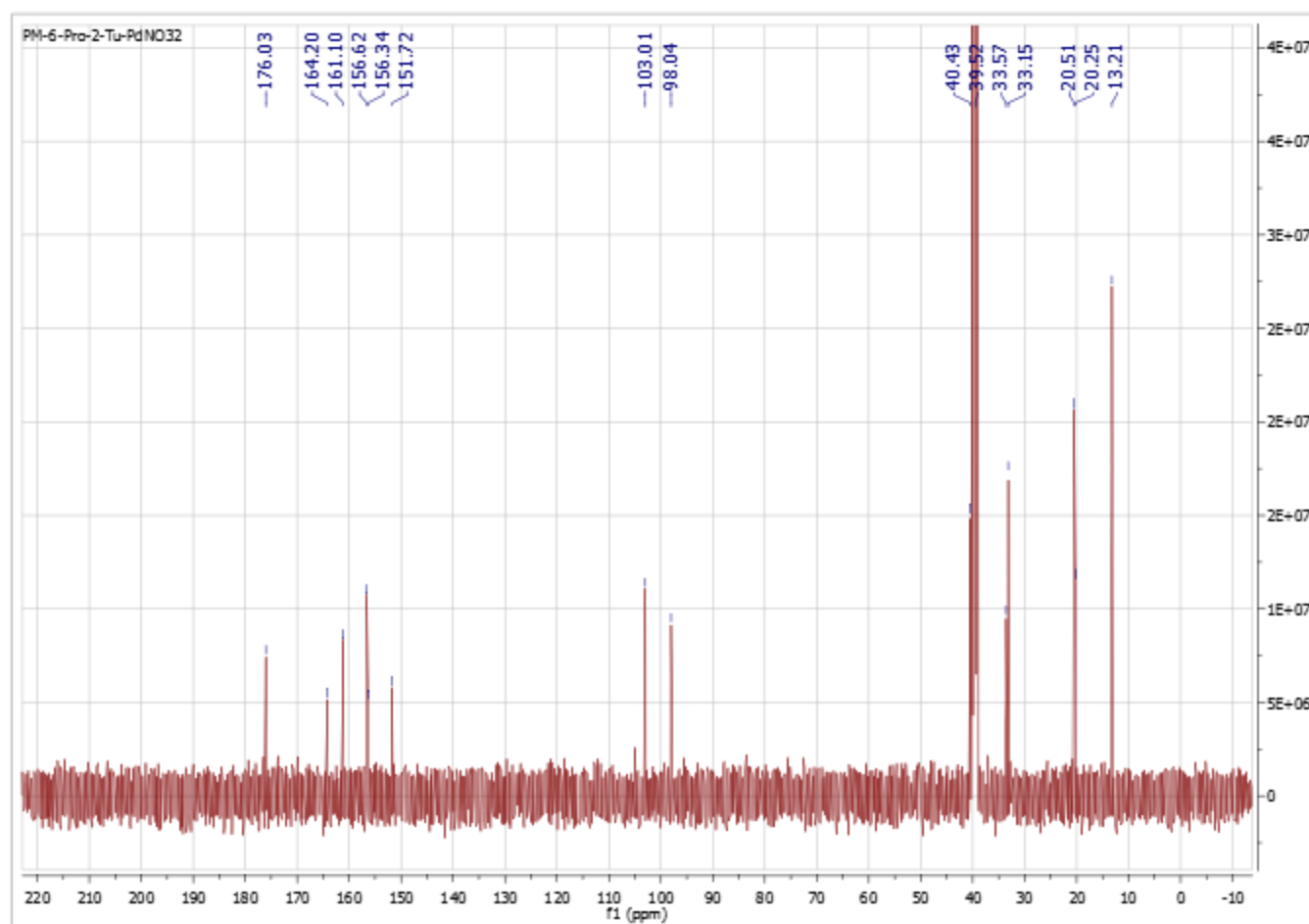


Figure 30. ^1H -broadband decoupled ^{13}C -NMR spectrum of the complex, Pd(II) with 6-propyl-2-thiouracil.

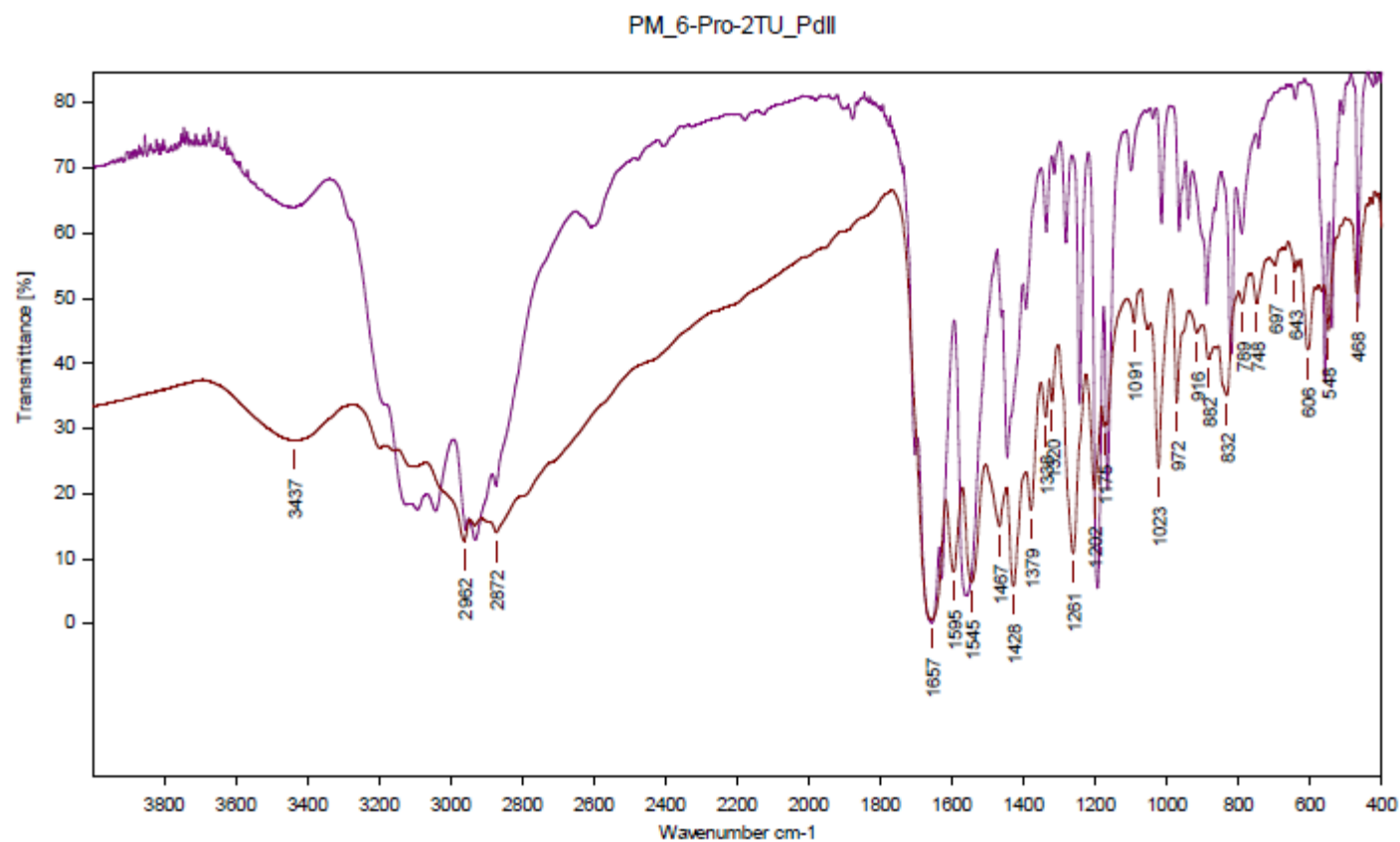


Figure 31. The IR spectrum of the complex, Pd(II) with 6-methyl-2-thiouracil (with bands) and ligand.

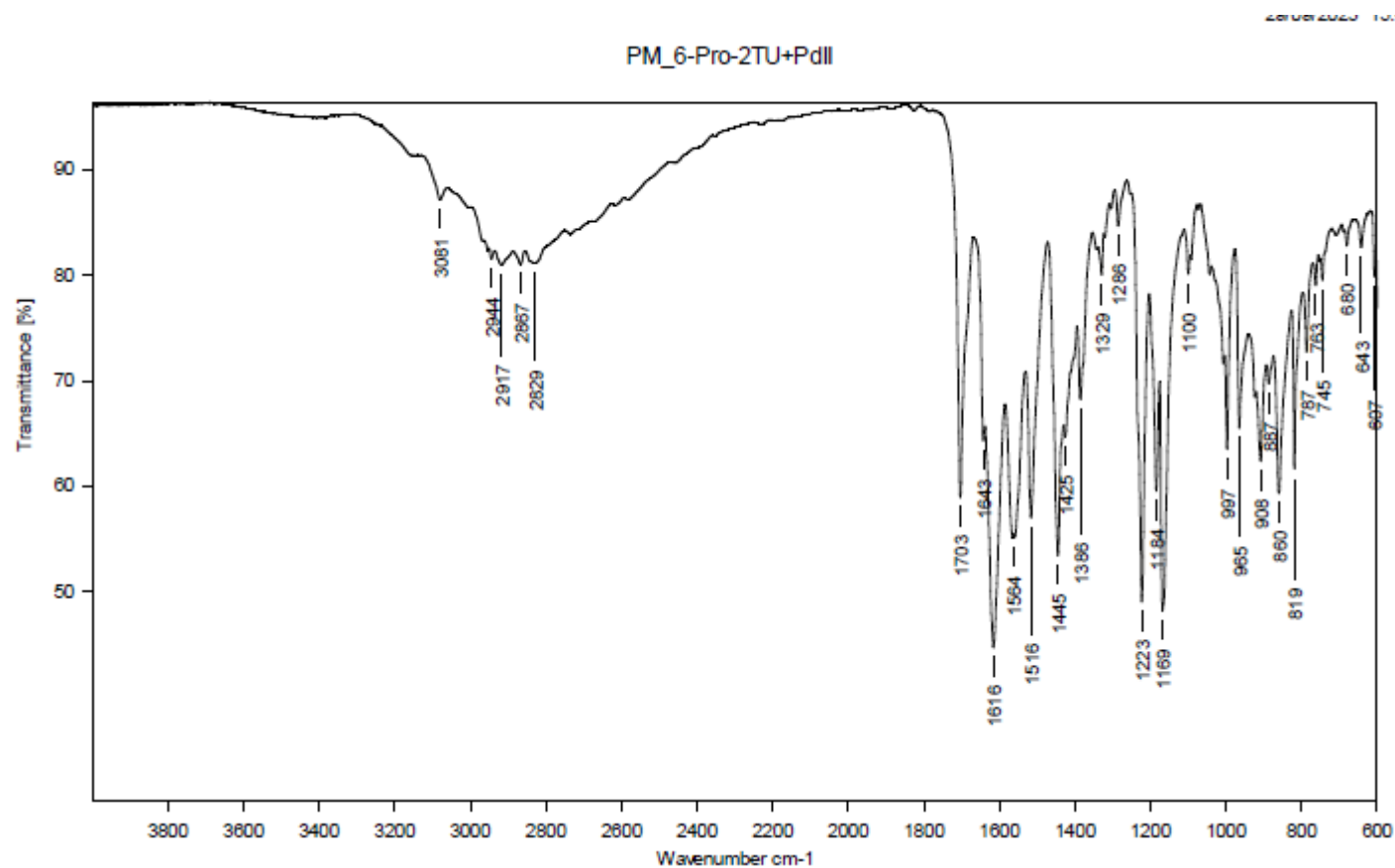


Figure 32. The ATR spectrum of the complex, Pd(II) with 6-methyl-2-thiouracil.