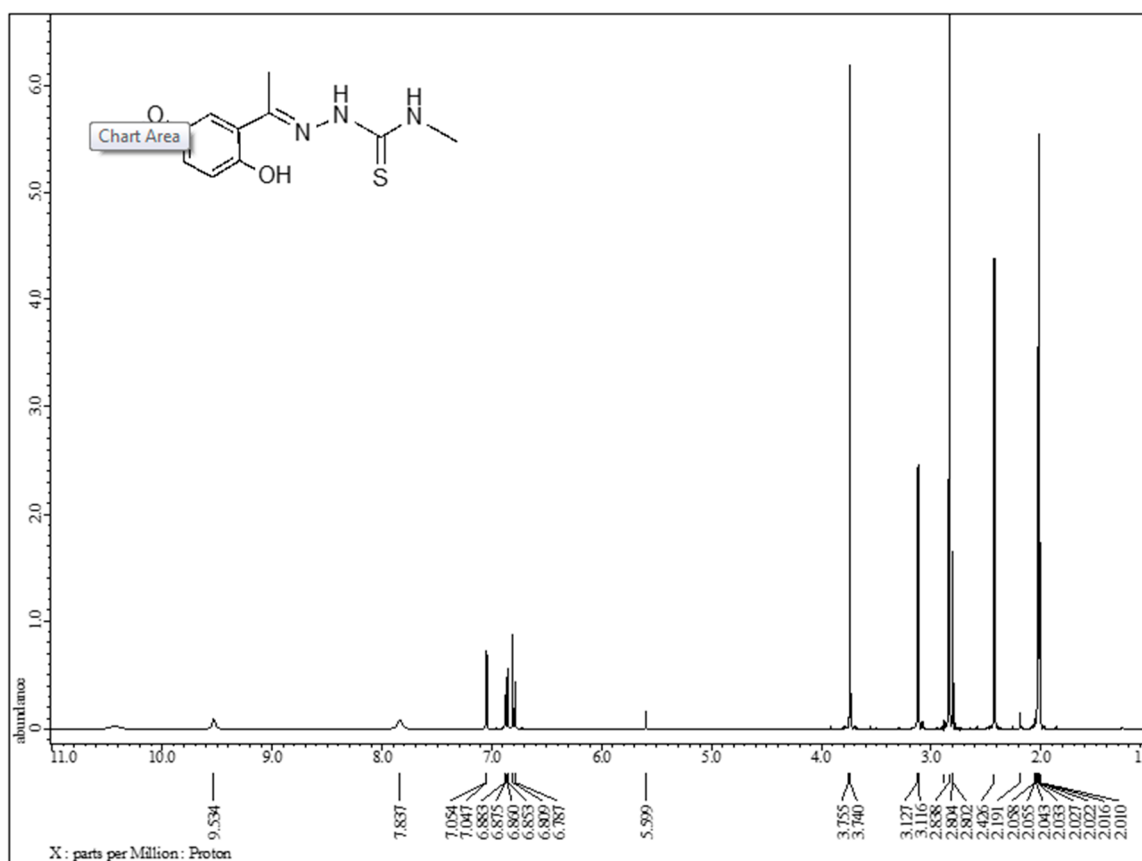
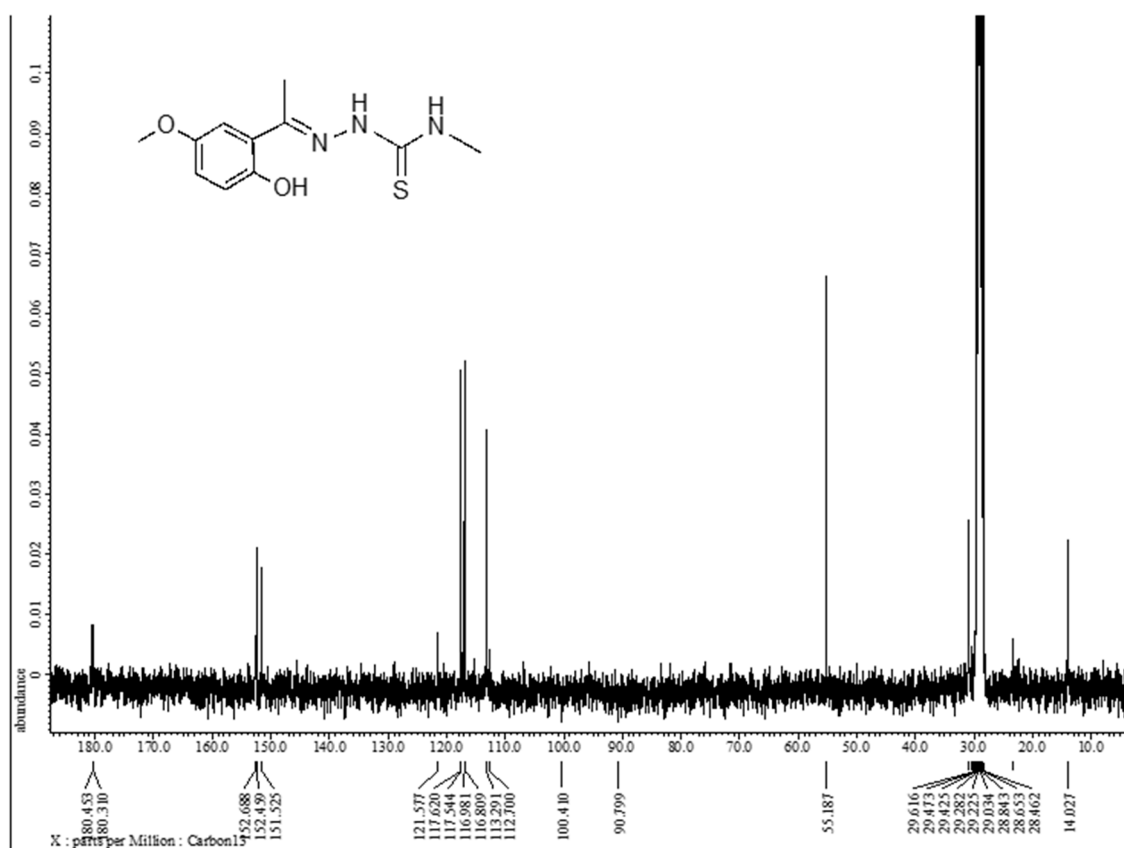


Supplementary Materials: Synthesis, Crystal Structural Investigations, and DFT Calculations of Novel Thiosemicarbazones

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Figure S1. ¹H NMR (acetone-d₆) spectrum of compound 1.Figure S2. ¹³C {¹H} NMR (acetone-d₆) spectrum of compound 1.

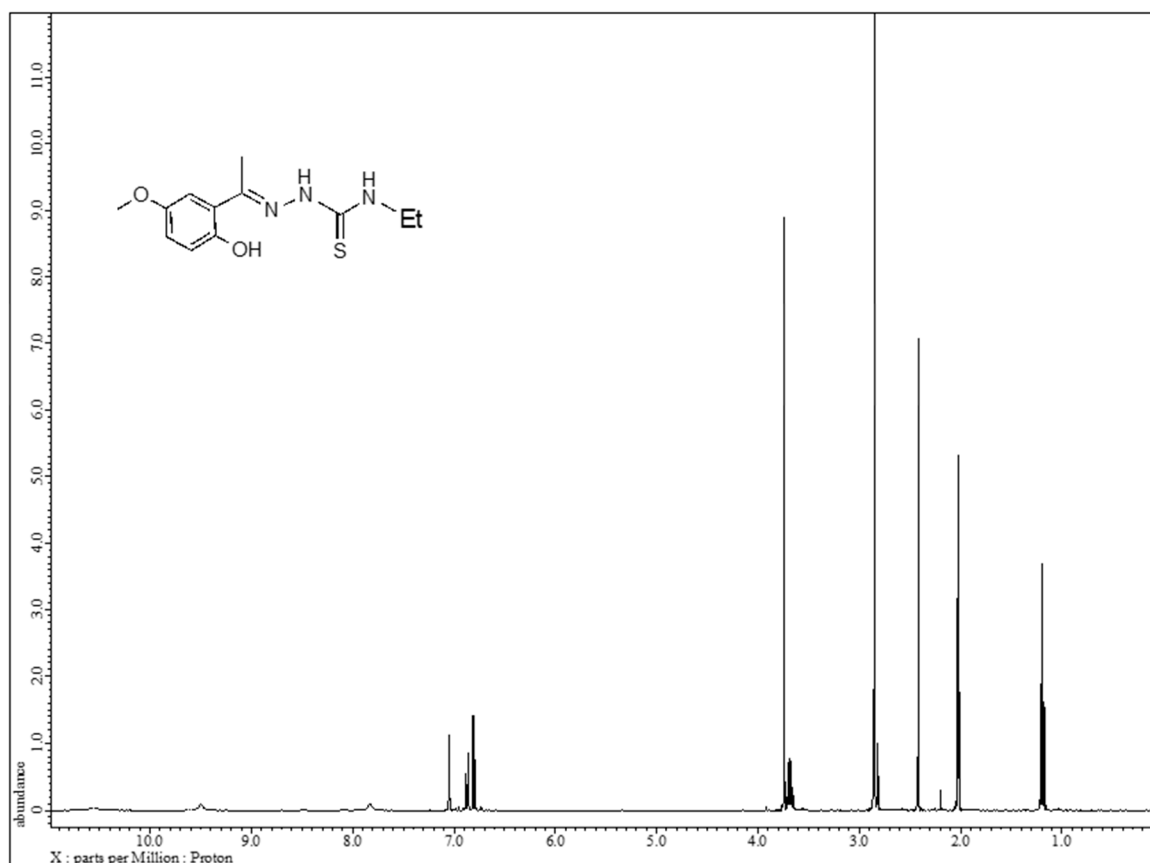


Figure S3. ¹H NMR (acetone-d₆) spectrum of compound 2.

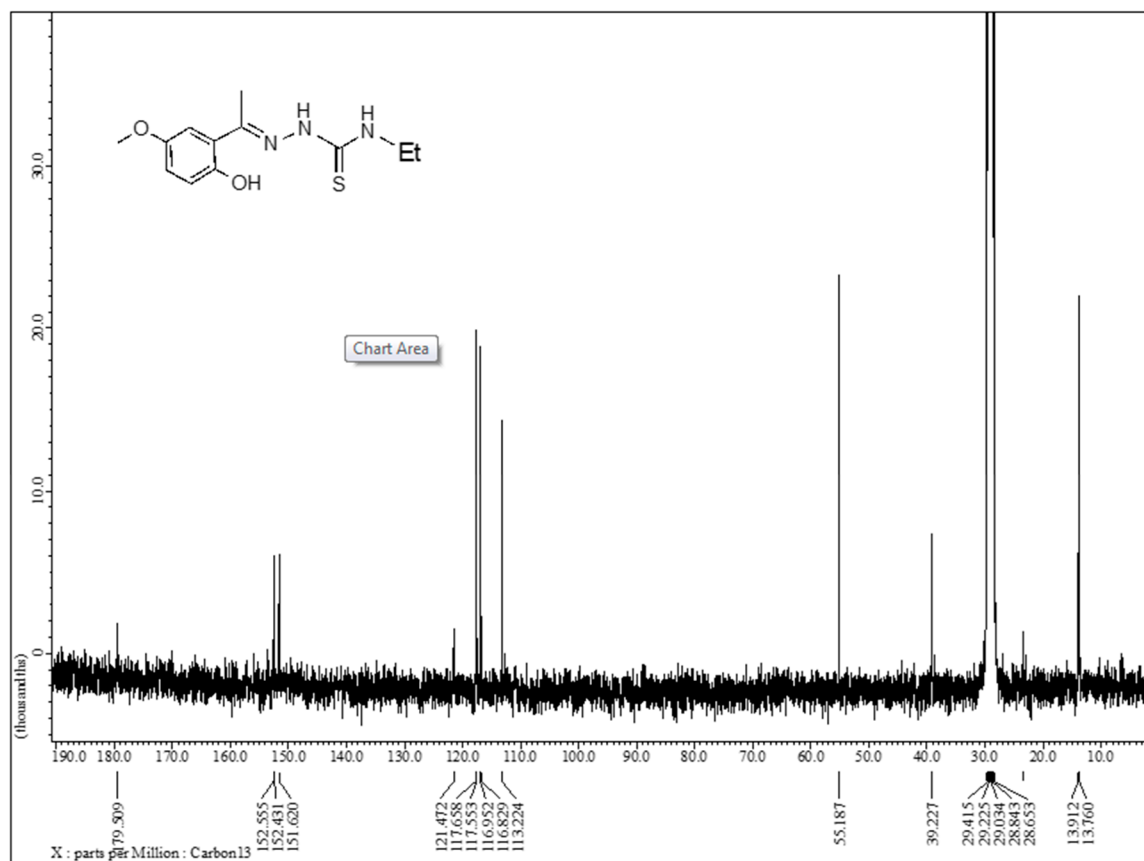
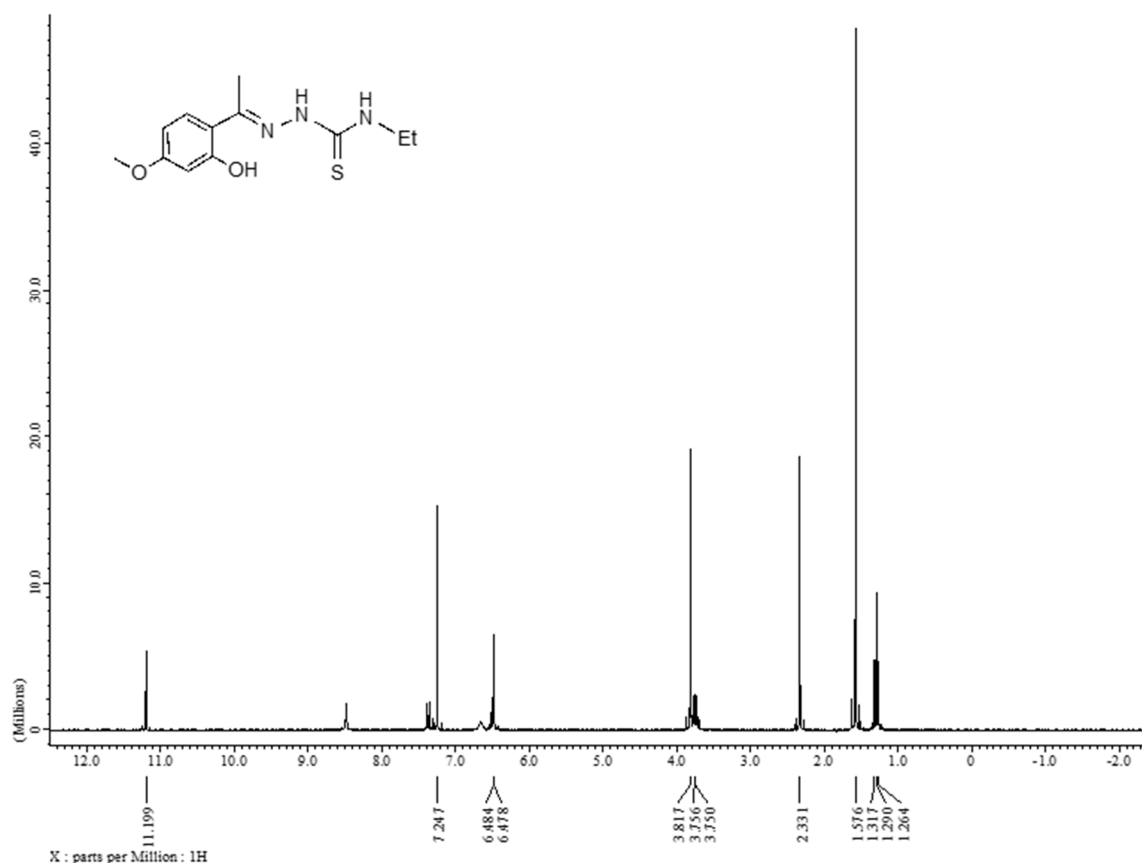
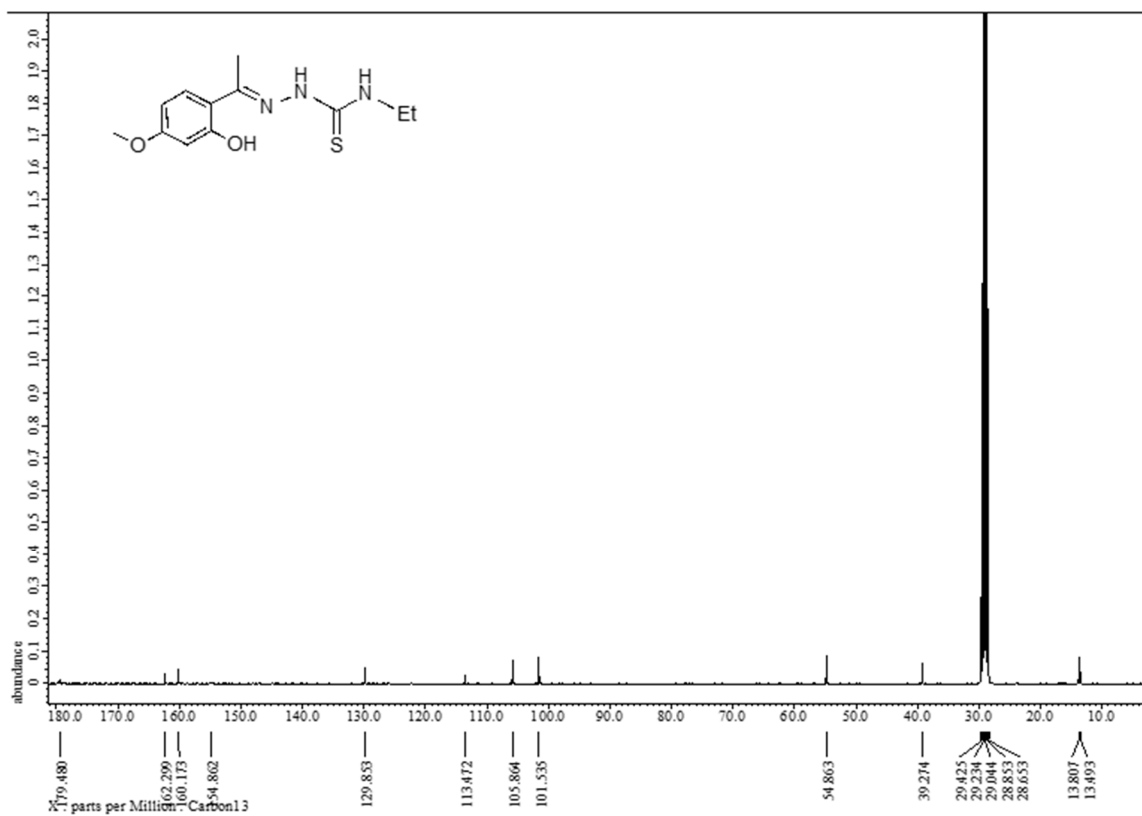
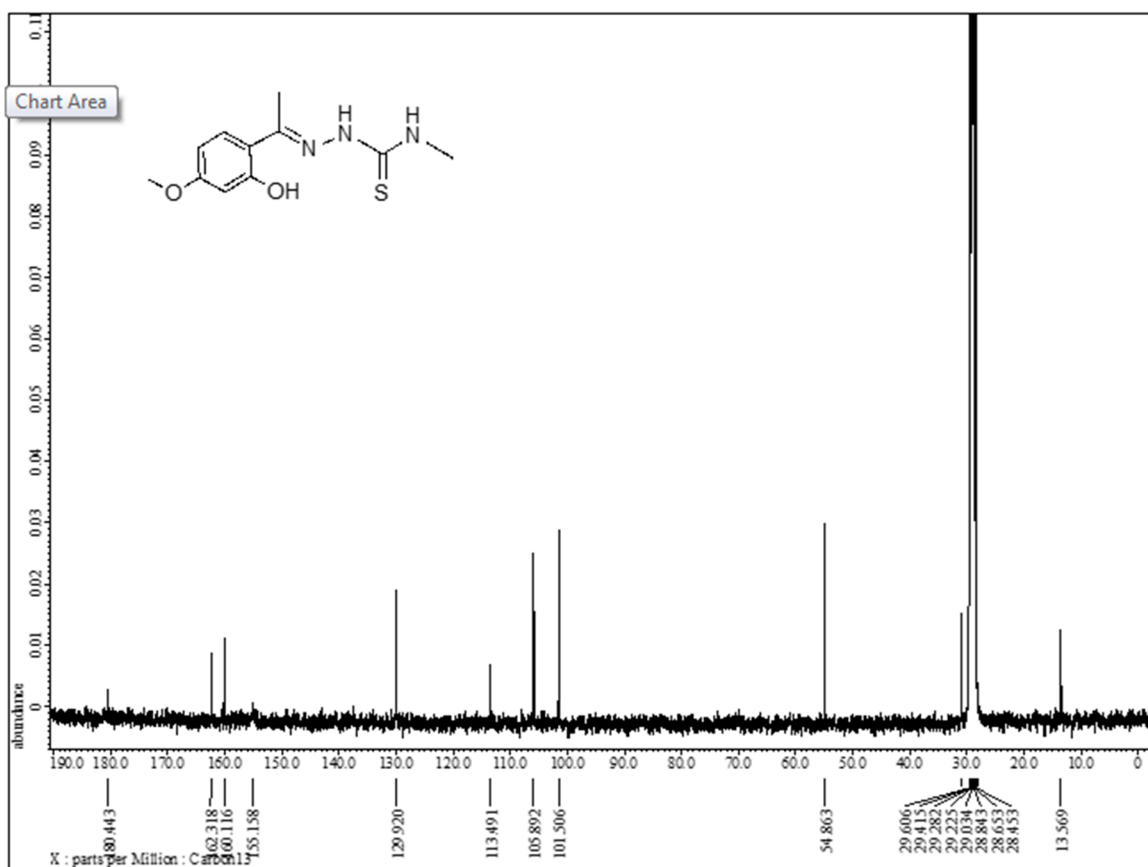
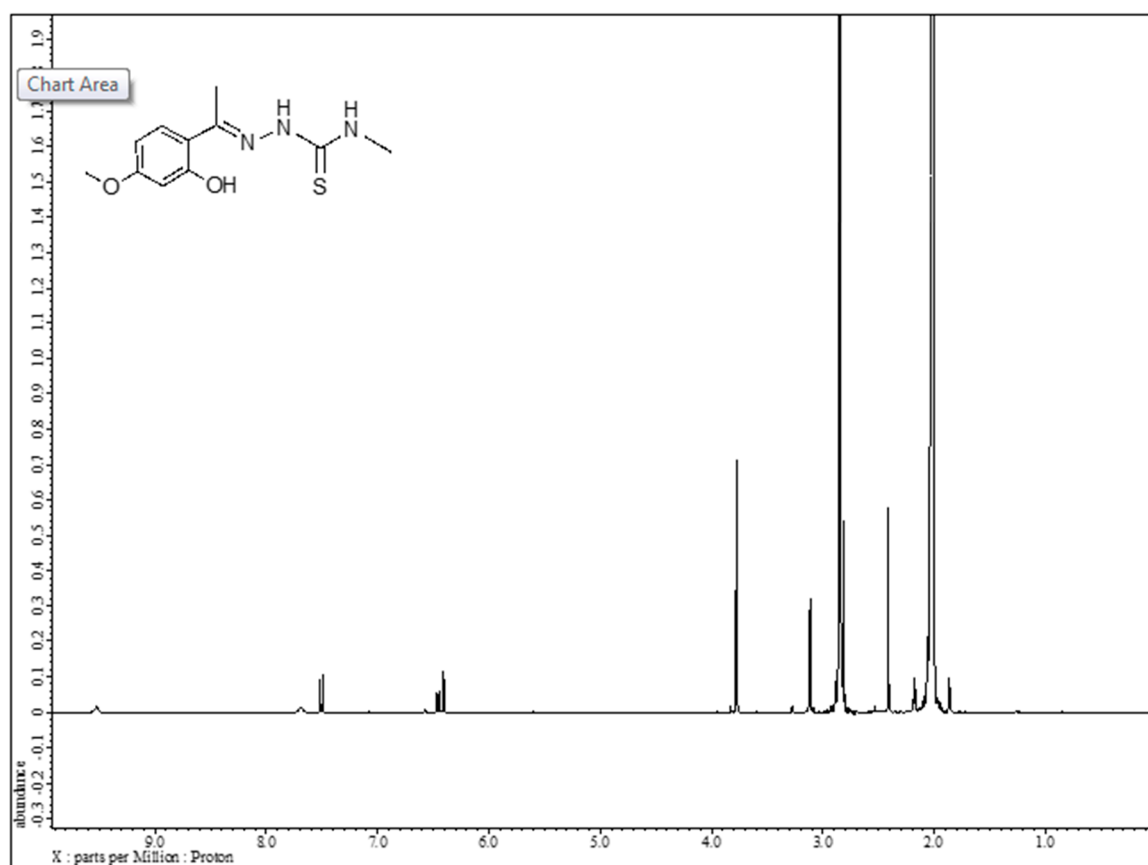


Figure S4. ¹³C {¹H} NMR (acetone-d₆) spectrum of compound 2.

Figure S5. ¹H NMR (CDCl₃) spectrum of compound 3.Figure S6. ¹³C {¹H} NMR (acetone-d₆) spectrum of compound 3.



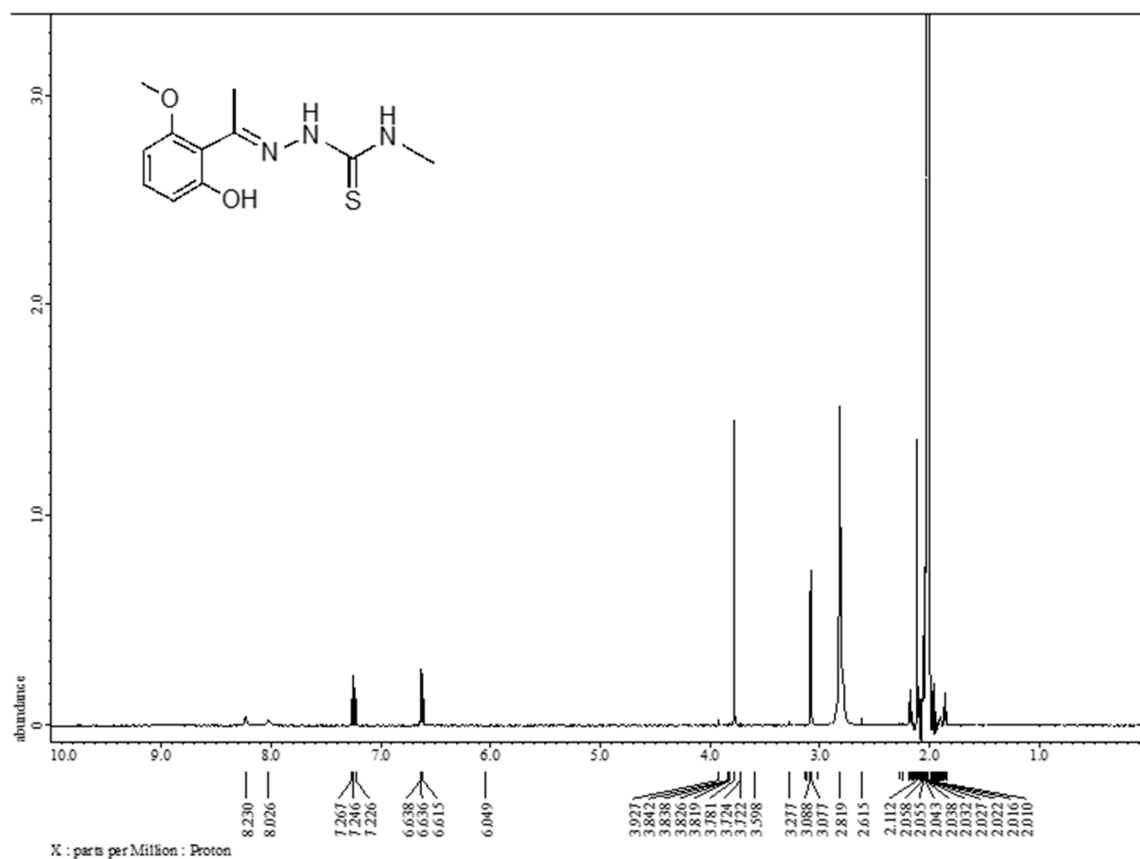


Figure S9. ¹H NMR (acetone-d₆) spectrum of compound 5.

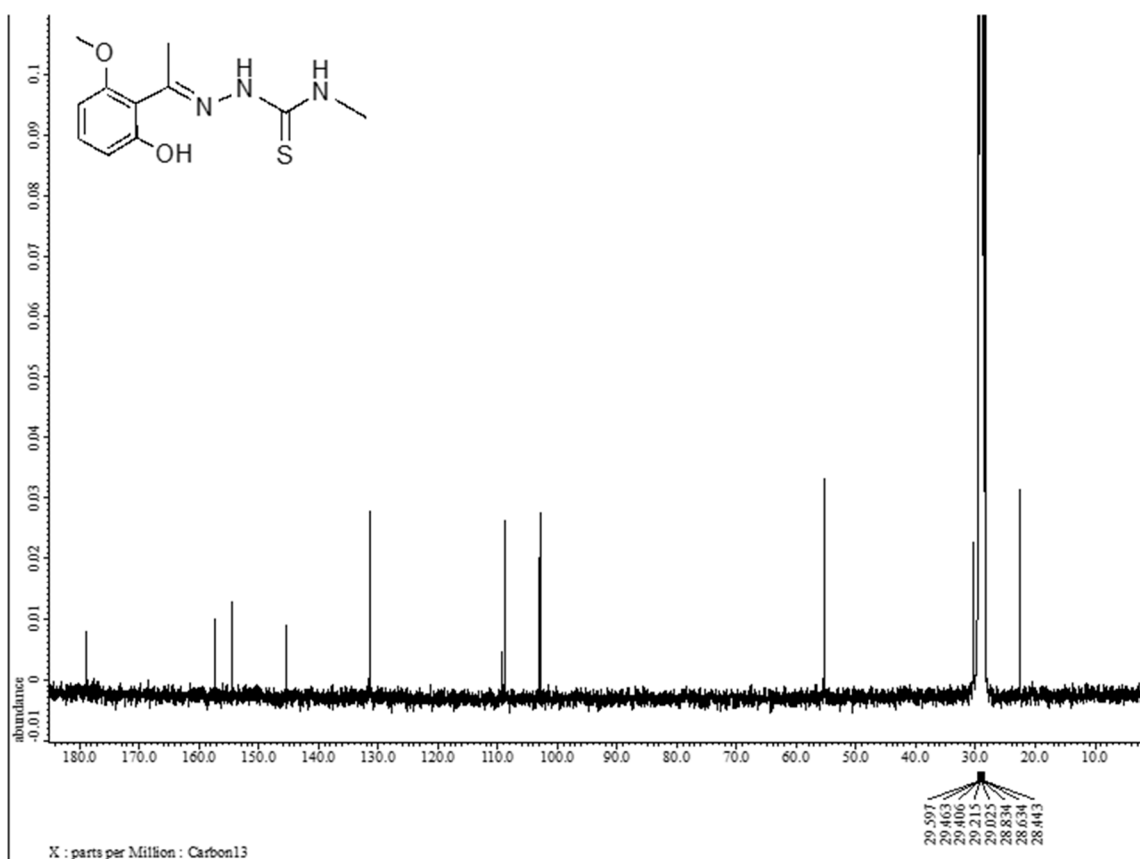
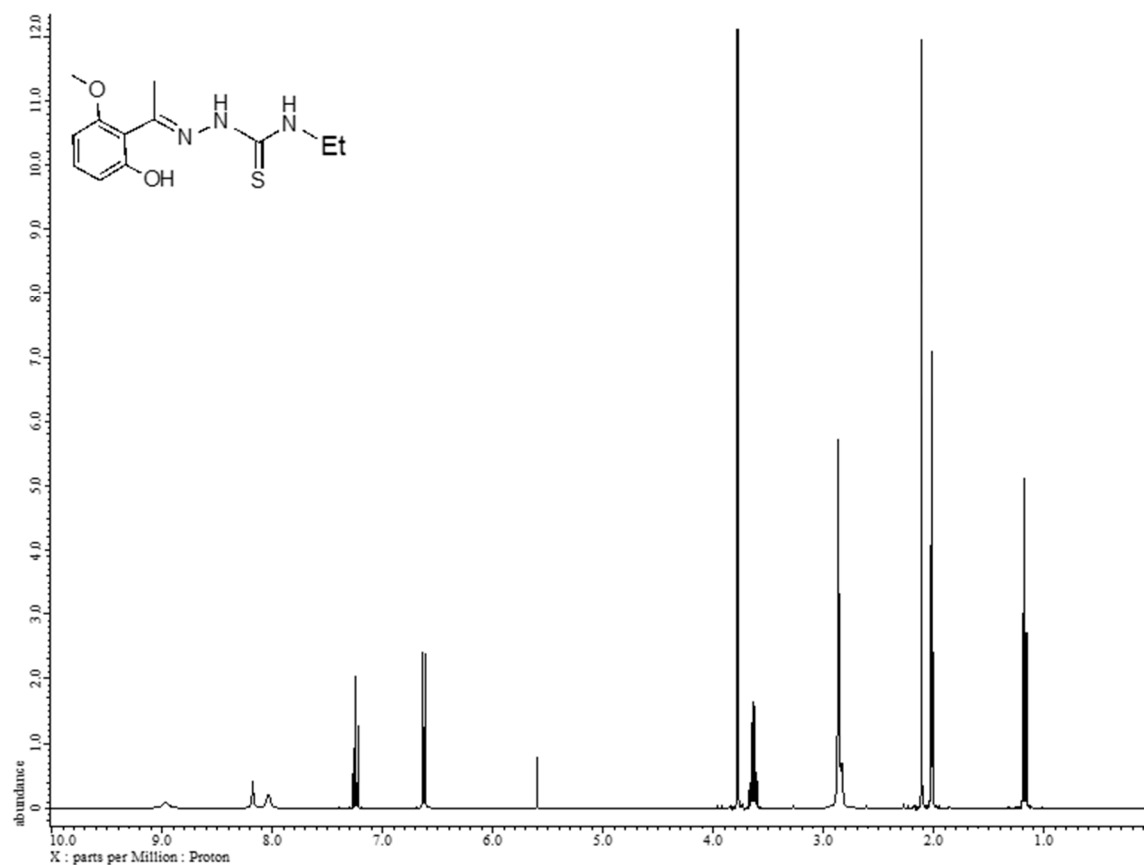


Figure S10. ¹³C {¹H} NMR (acetone-d₆) spectrum of compound 5.

Figure S11. ¹H NMR (acetone-d₆) spectrum of compound 6.Figure S12. ¹³C {¹H} NMR (acetone-d₆) spectrum of compound 6.

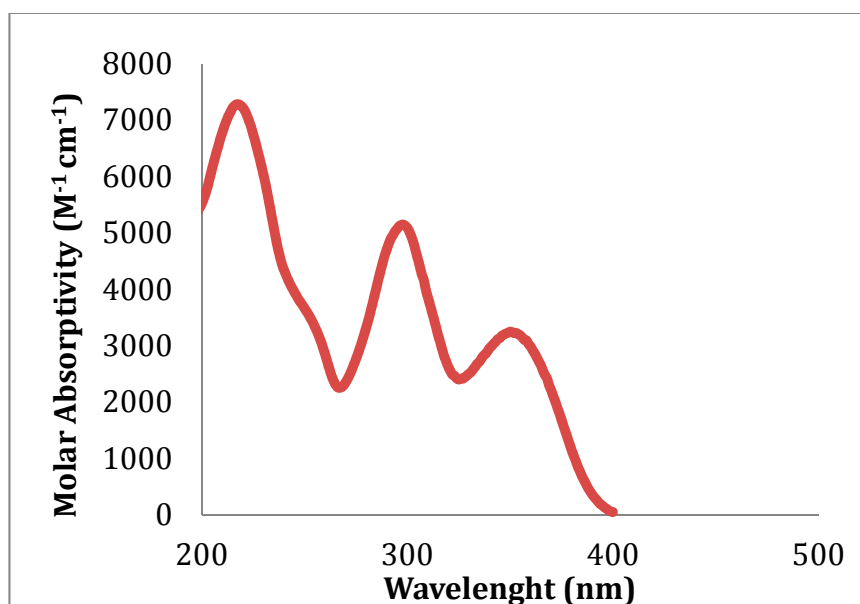


Figure S13. UV-Vis Spectrum compound 1.

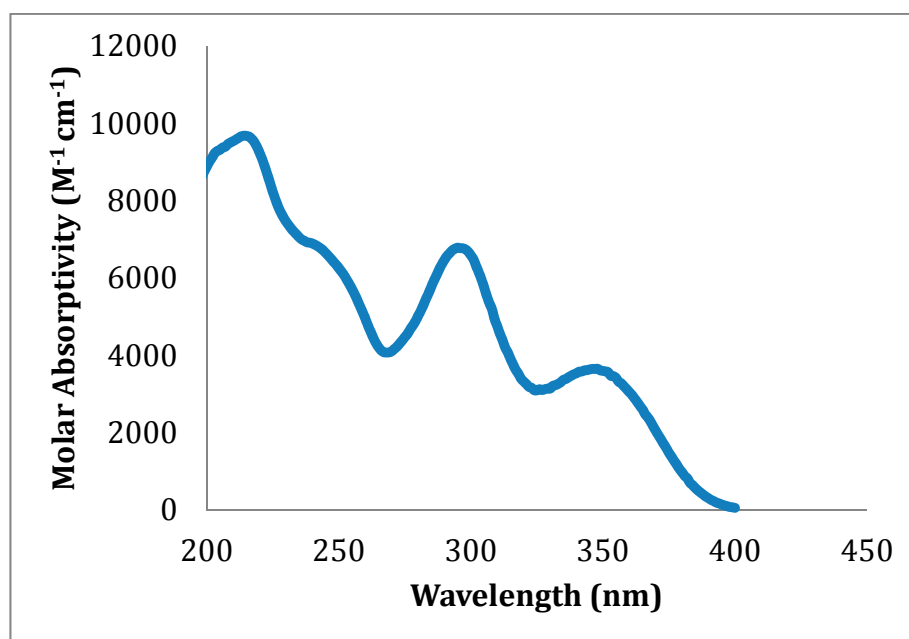


Figure S14. UV-Vis Spectrum compound 2.

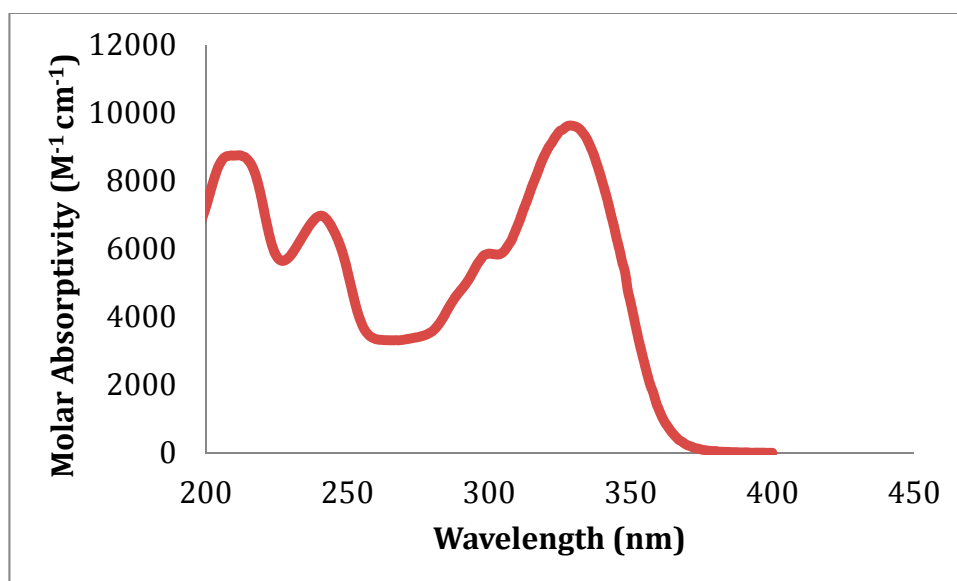


Figure S15. UV-Vis Spectrum compound 3.

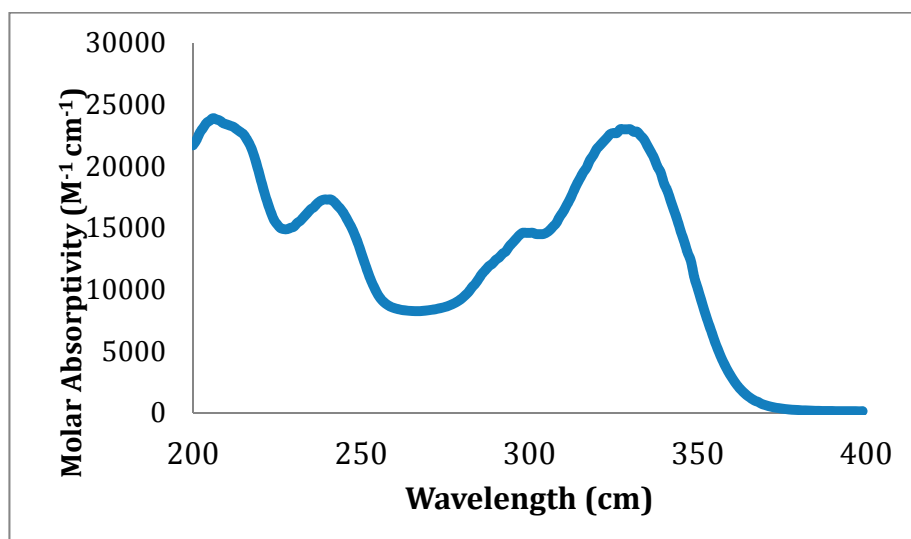


Figure S16. UV-Vis Spectrum compound 4.

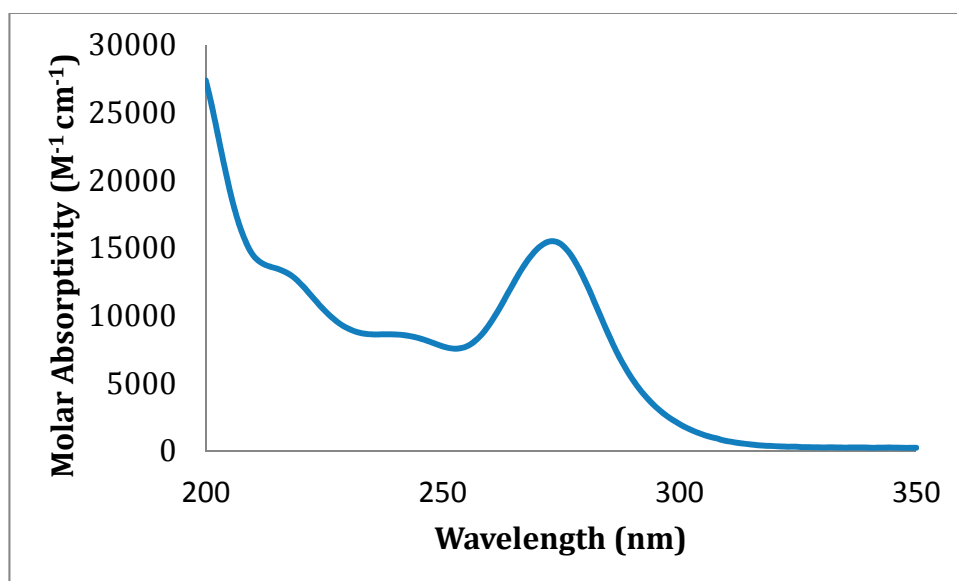


Figure S17. UV-Vis Spectrum compound 5.

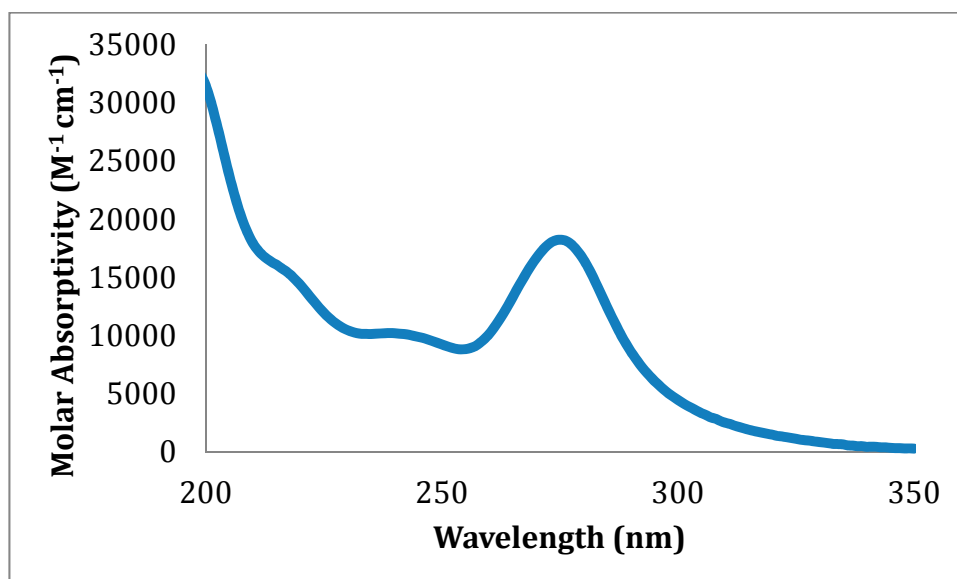


Figure S18. UV-Vis Spectrum compound 6.