

Michael Additions of Thiocompounds to α,β -Unsaturated Carbonyl Compounds in Aqueous Media: Stereoselectivity with Unambiguous Characterization by NMR

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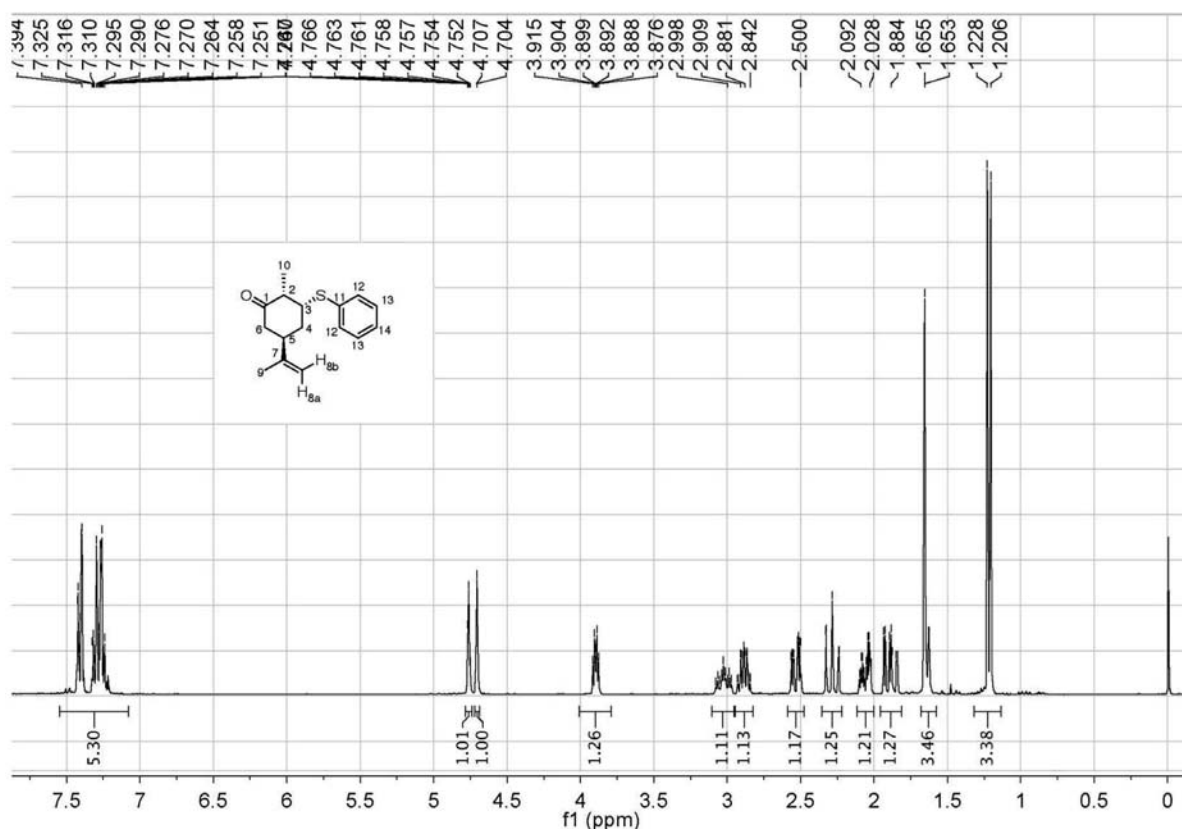


Figure S1. ¹H NMR spectrum of compound 14 (400 MHz, CDCl₃).

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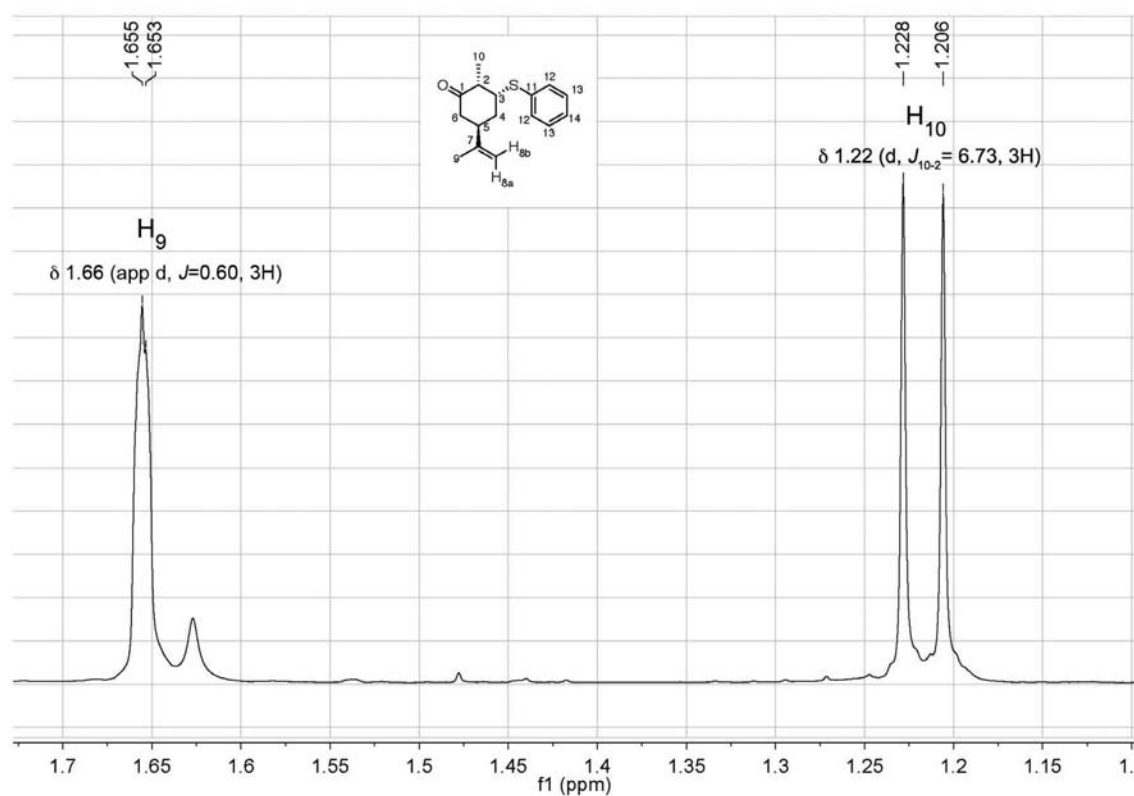


Figure S2. ^1H NMR spectrum of compound **14** between δ 1.15-1.70 (400 MHz, CDCl_3).

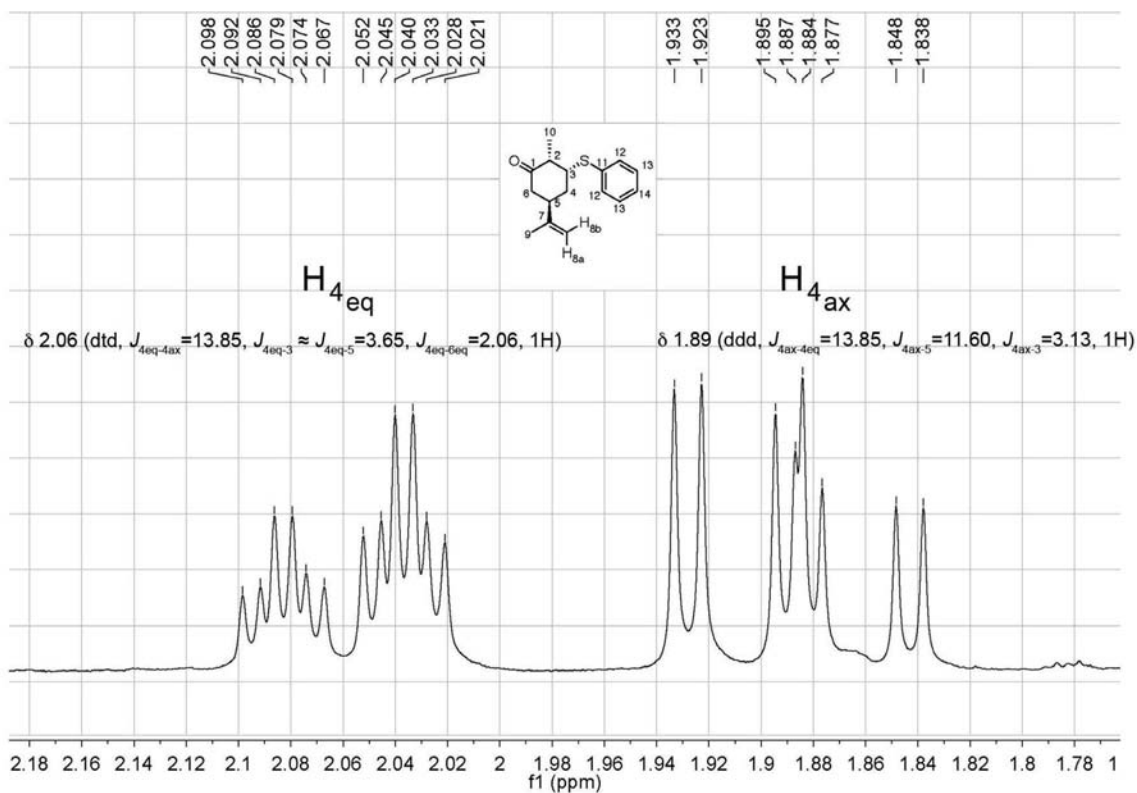


Figure S3. ^1H NMR spectrum of compound **14** between δ 1.78-2.18 (400 MHz, CDCl_3).

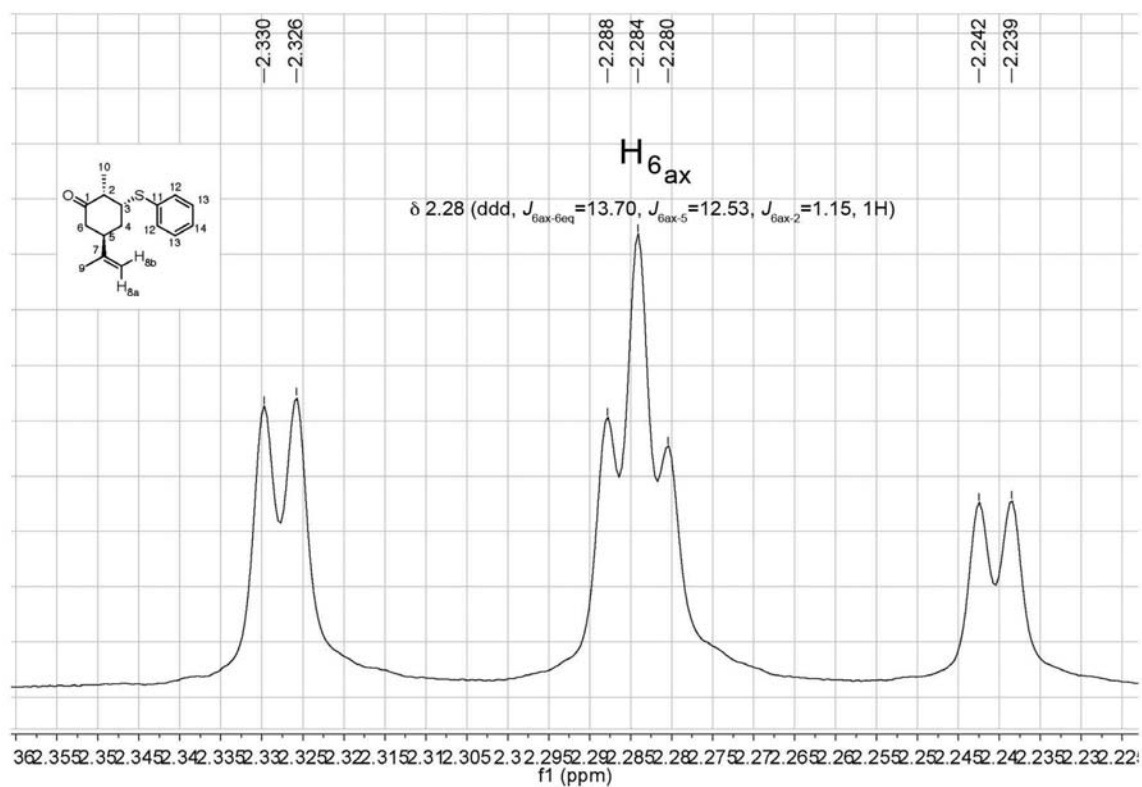


Figure S4. ¹H NMR spectrum of compound **14** between δ 2.22-2.35 (400 MHz, CDCl₃).

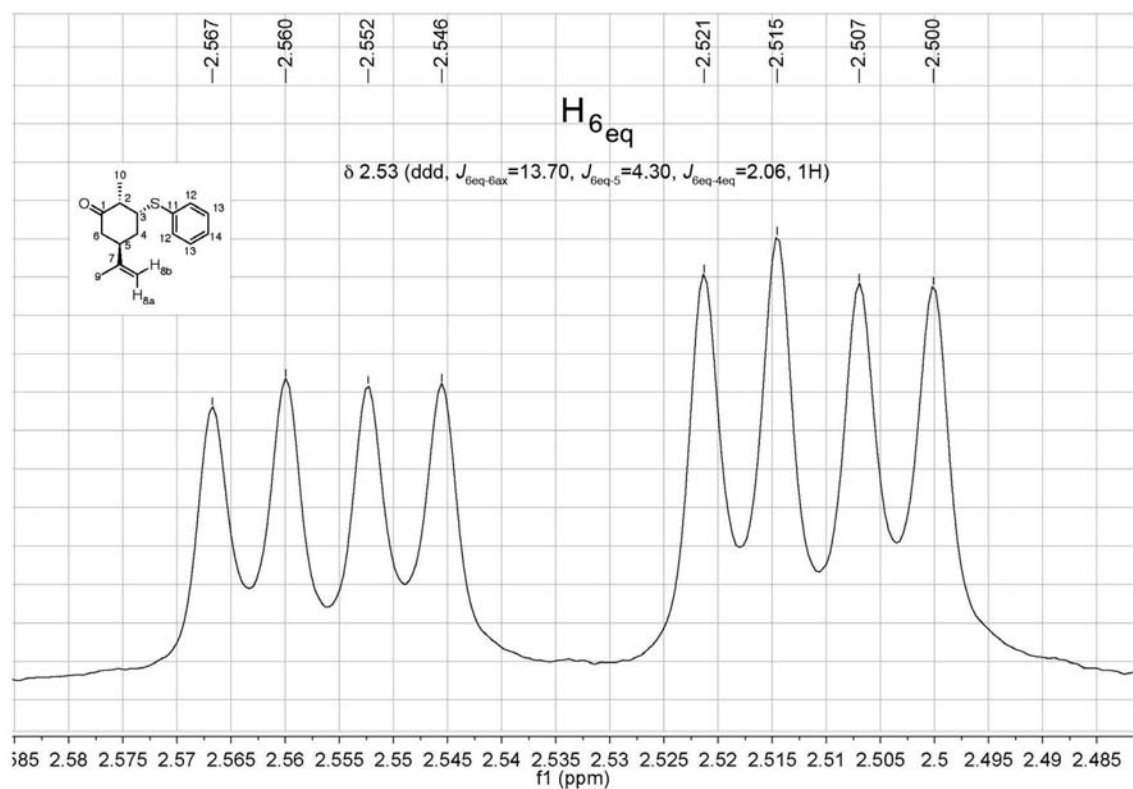


Figure S5. ¹H NMR spectrum of compound **14** between δ 2.48-2.58 (400 MHz, CDCl₃).

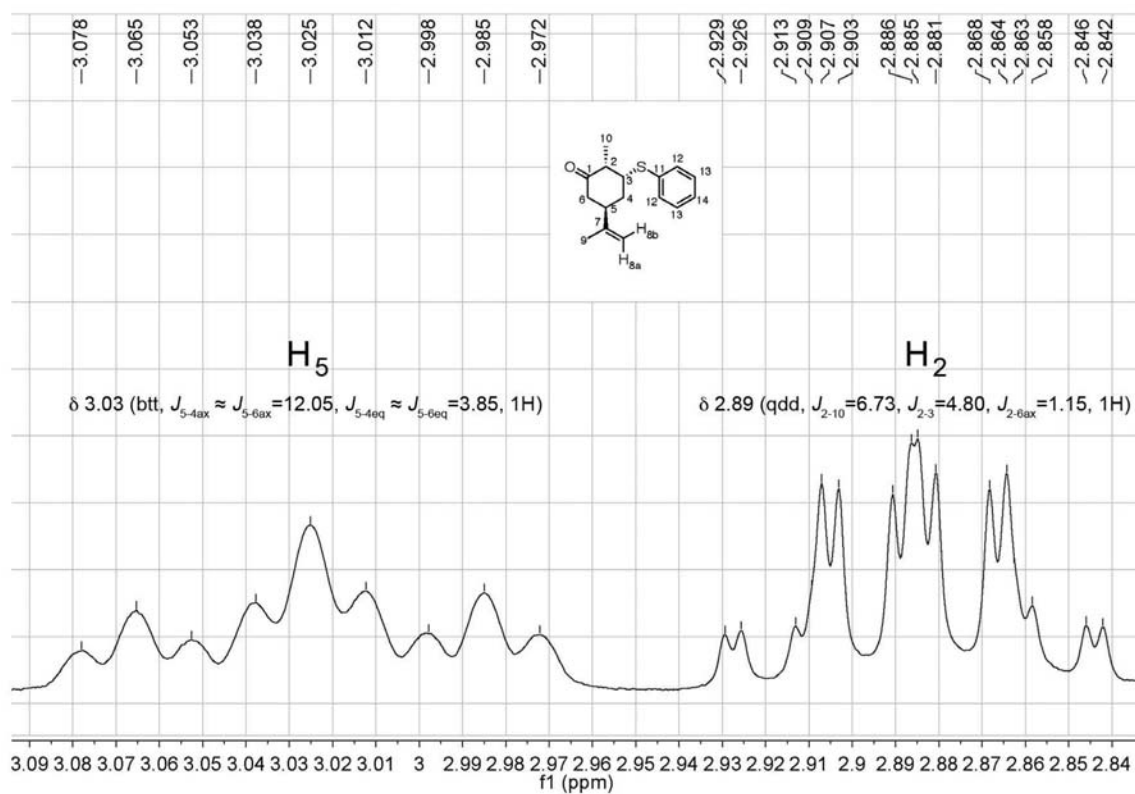


Figure S6. ¹H NMR spectrum of compound **14** between δ 2.84-3.09 (400 MHz, CDCl₃).

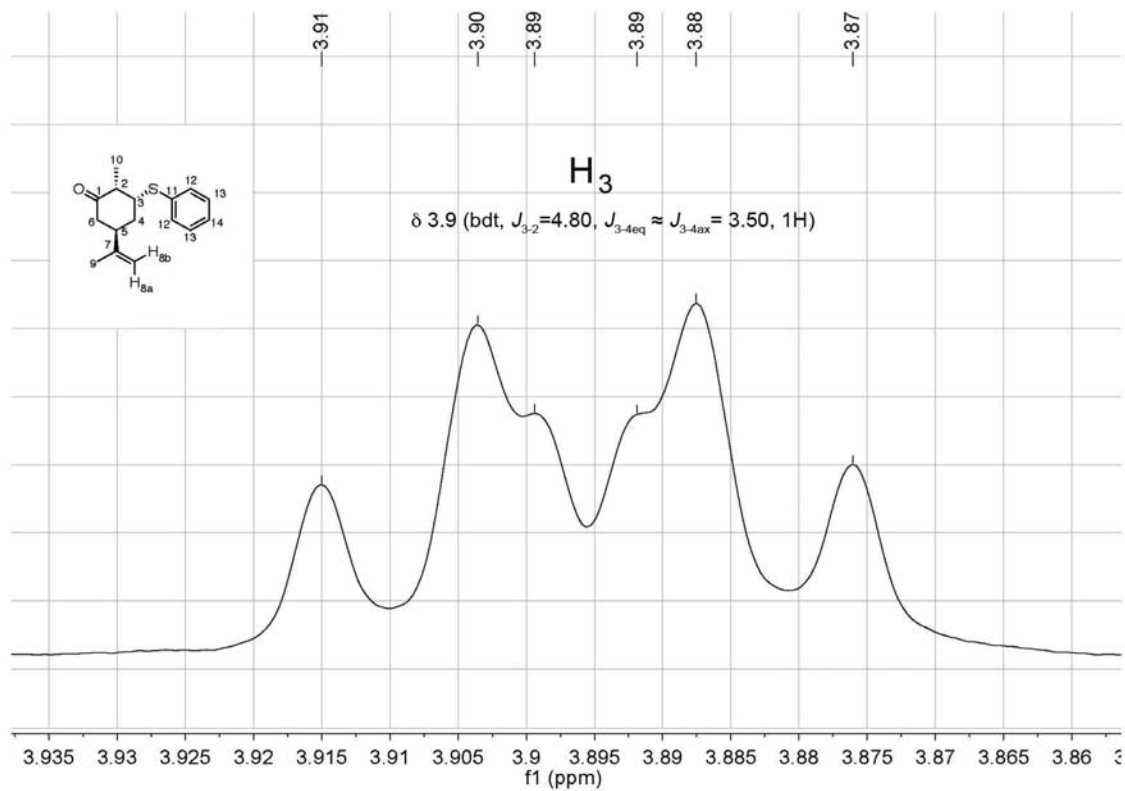


Figure S7. ¹H NMR spectrum of compound **14** between δ 3.86-3.93 (400 MHz, CDCl₃).

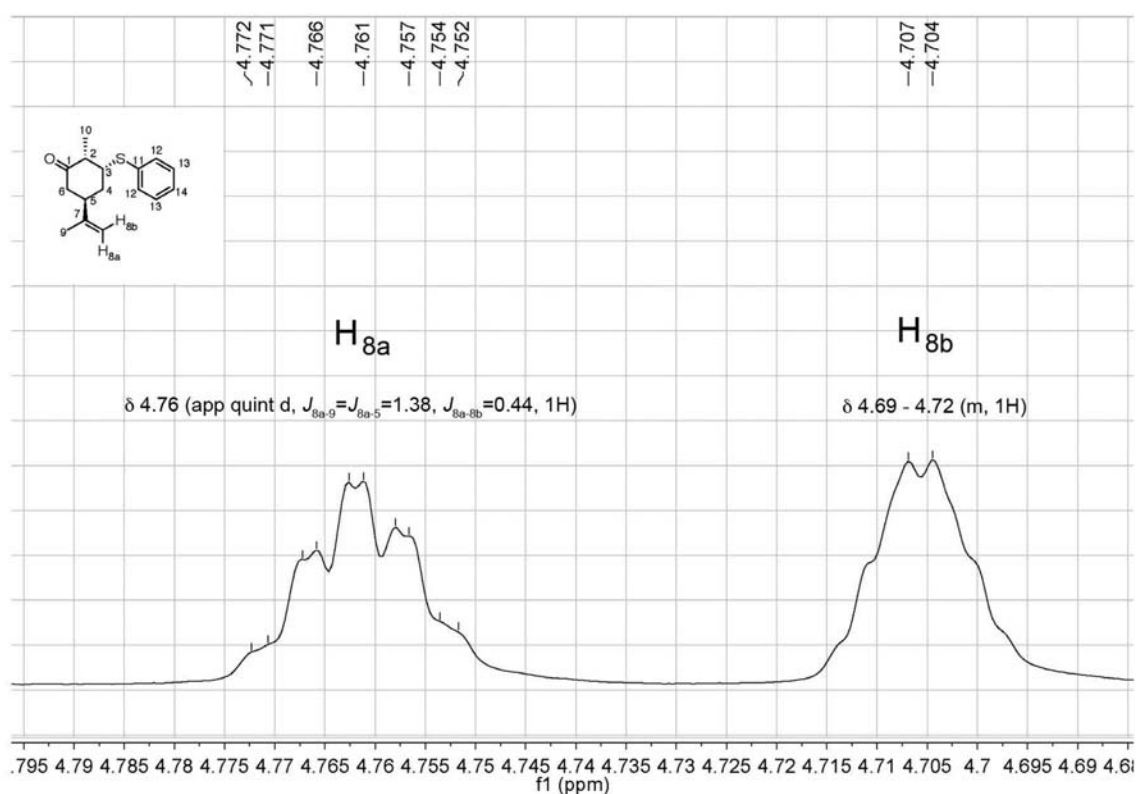


Figure S8. ¹H NMR spectrum of compound **14** between δ 4.69-4.79 (400 MHz, CDCl₃).

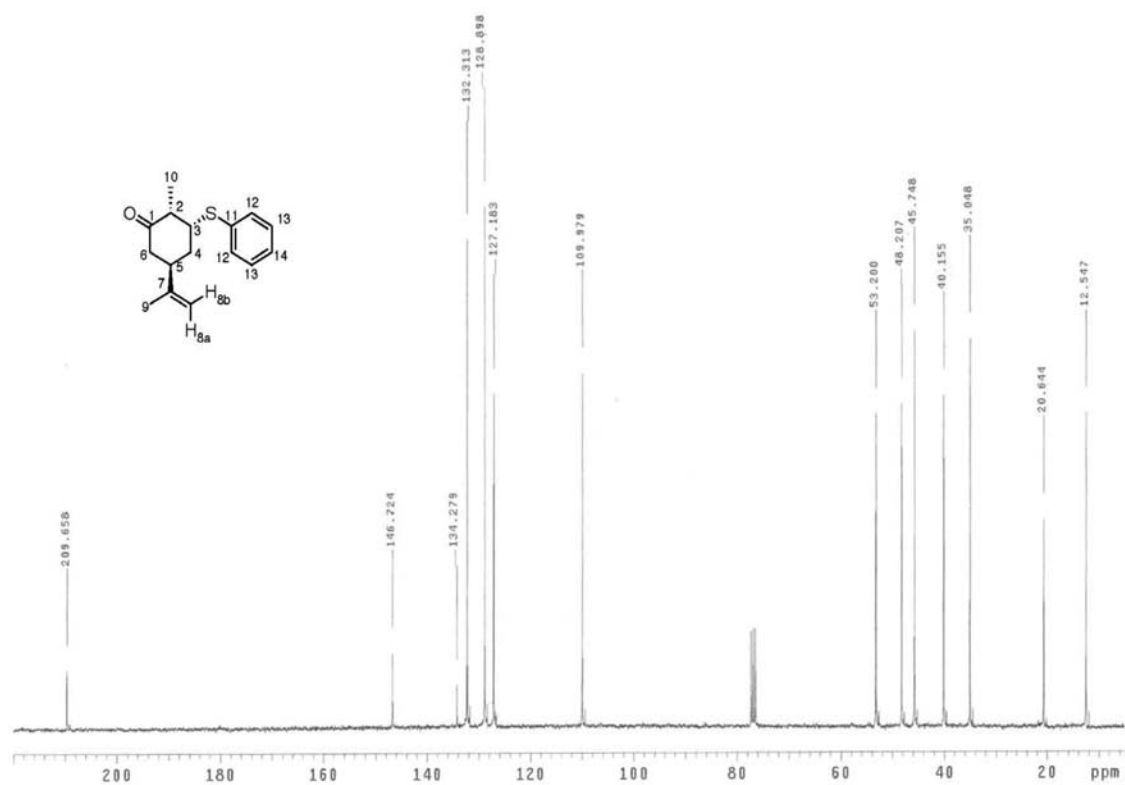


Figure S9. ¹³C NMR spectrum of compound **14** (100 MHz, CDCl₃).

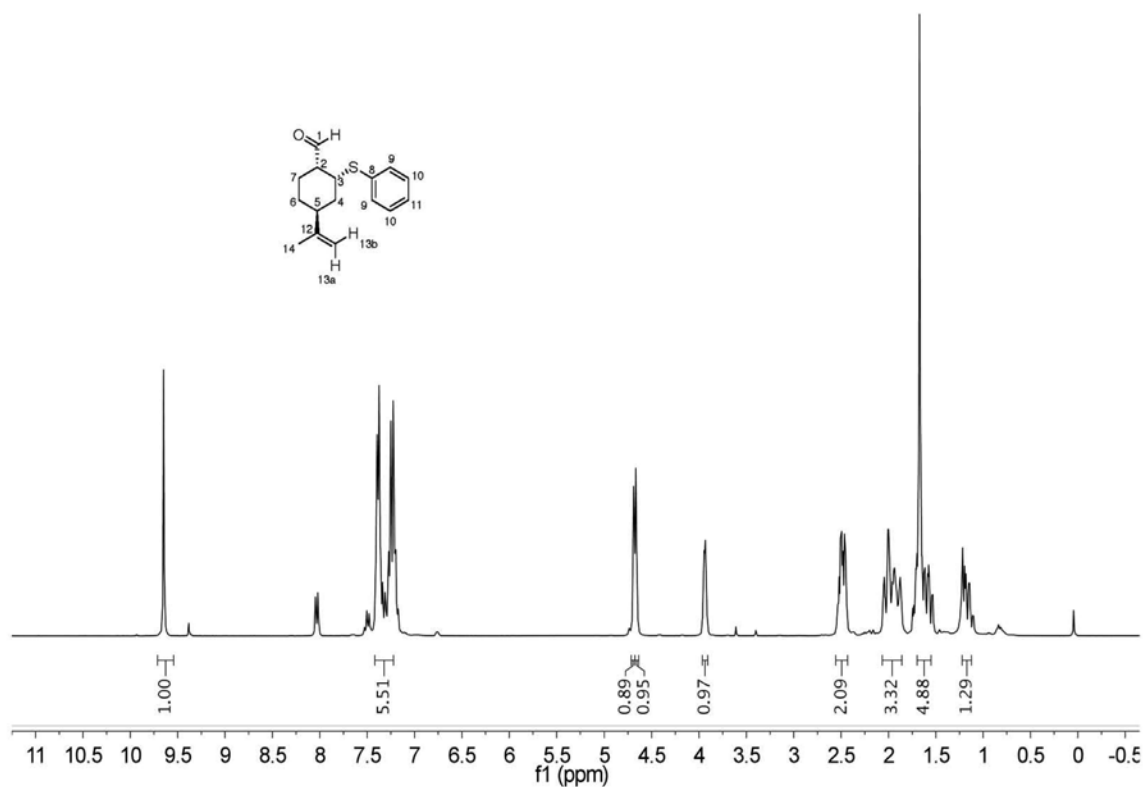


Figure S10. ^1H NMR spectrum of compound **16** (400 MHz, CDCl_3).

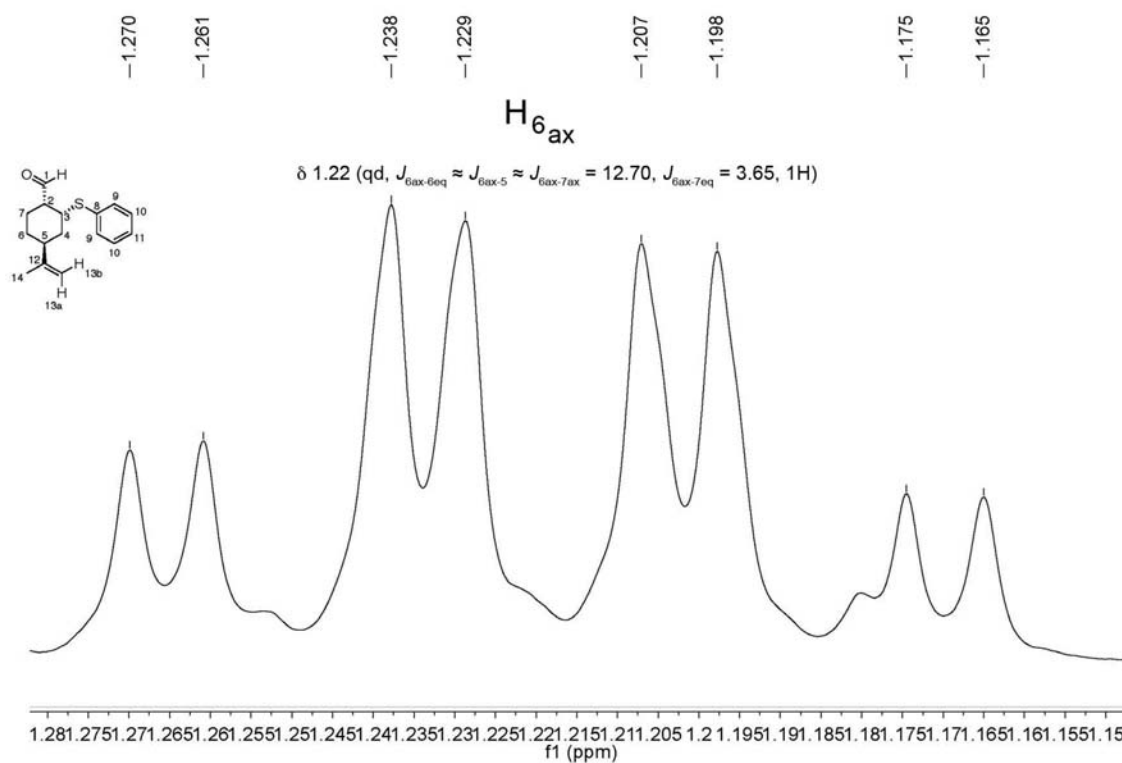


Figure S11. ^1H NMR spectrum of compound **16** between δ 1.15-1.28 (400 MHz, CDCl_3).



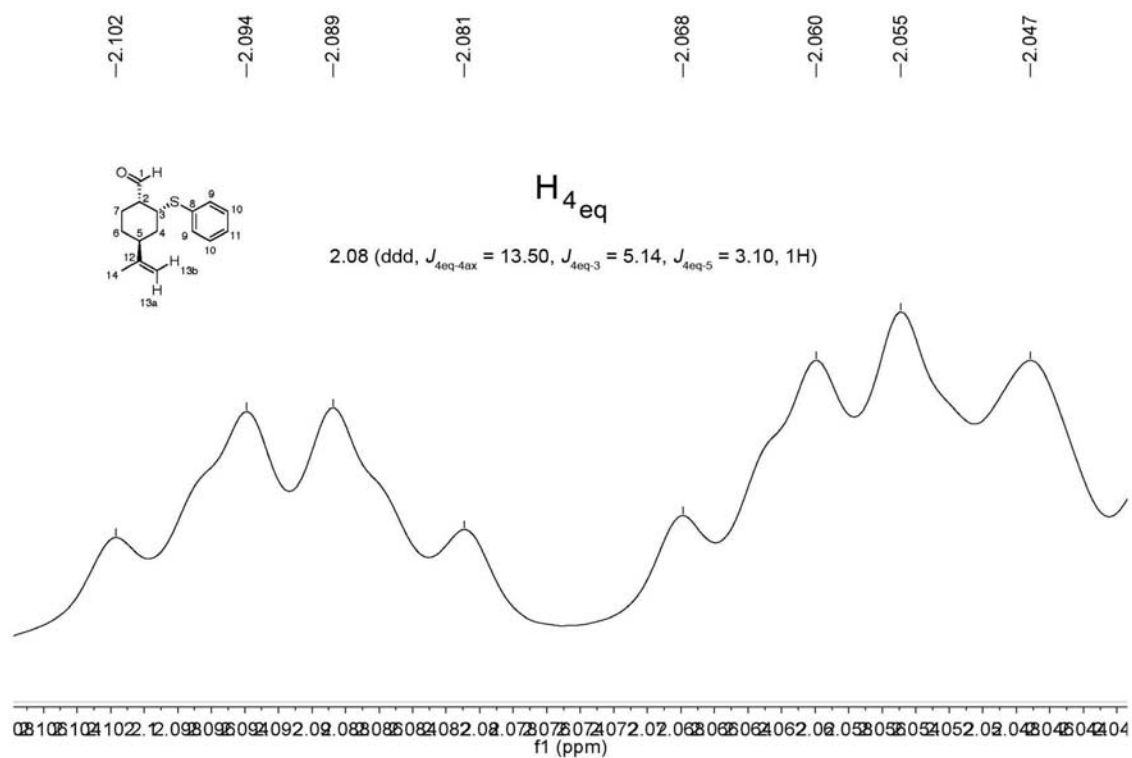


Figure S14. 1H NMR spectrum of compound **16** between δ 2.04-2.11 (400 MHz, $CDCl_3$).

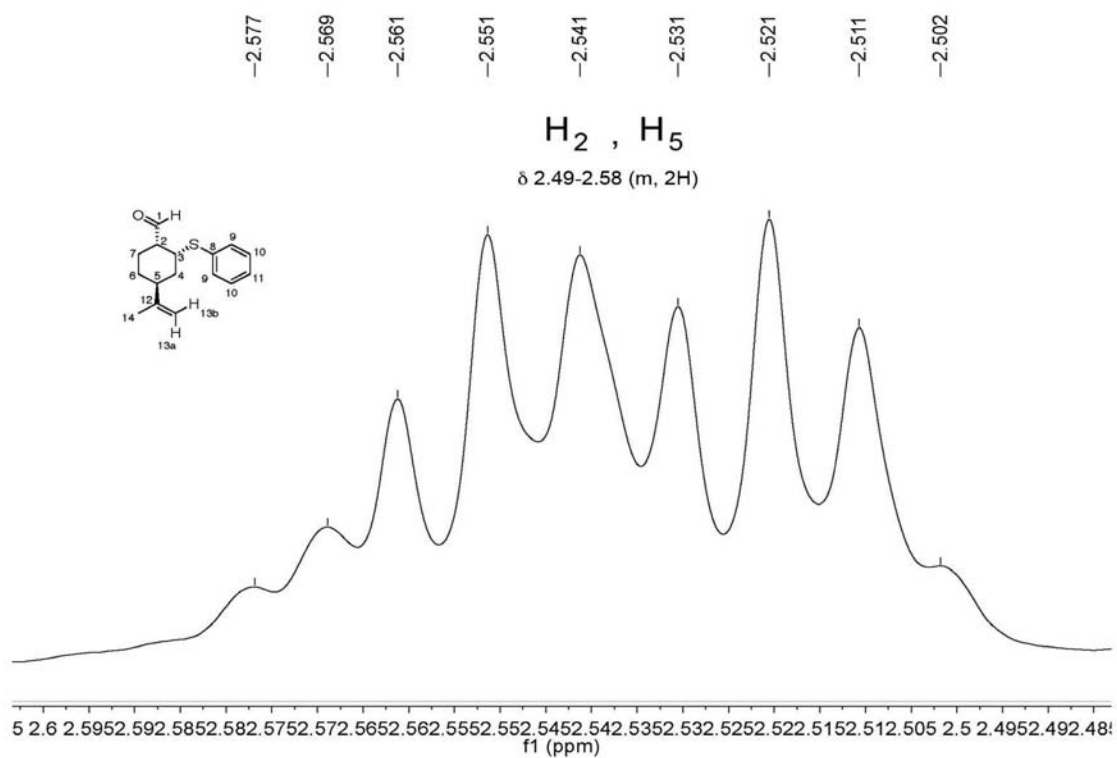


Figure S15. 1H NMR spectrum of compound **16** between δ 2.49-2.60 (400 MHz, $CDCl_3$).

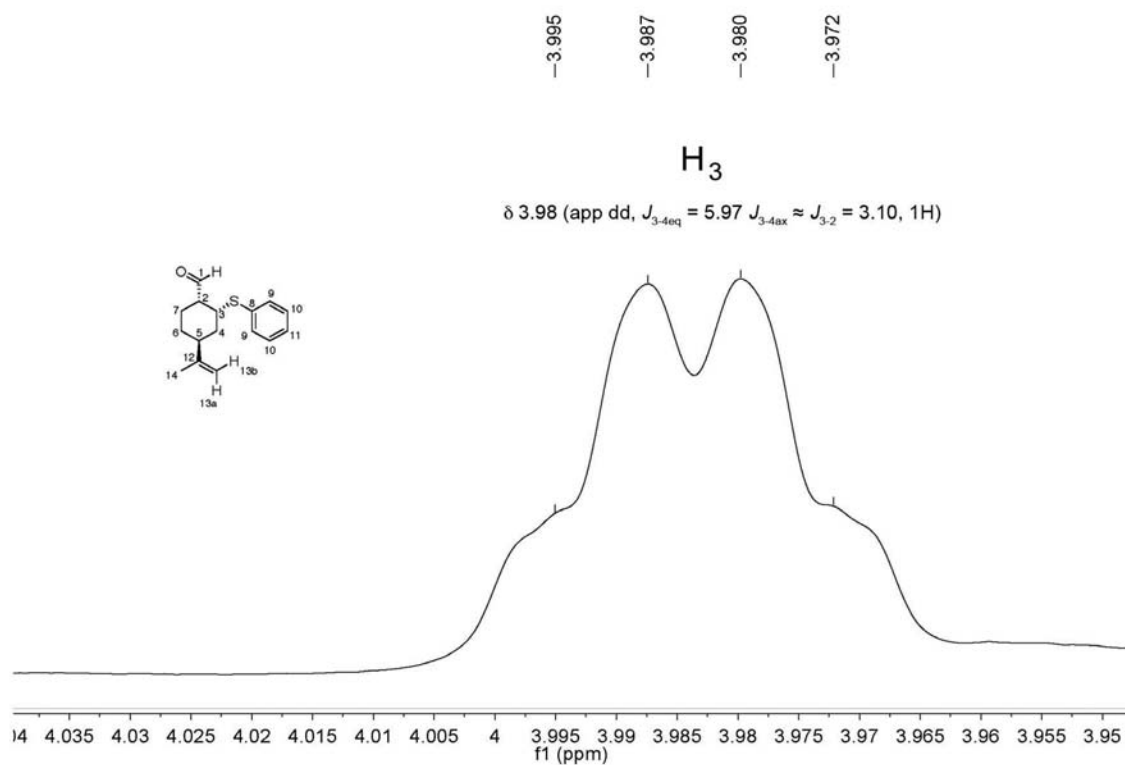


Figure S16. ^1H NMR spectrum of compound **16** between δ 3.95-4.03 (400 MHz, CDCl_3).

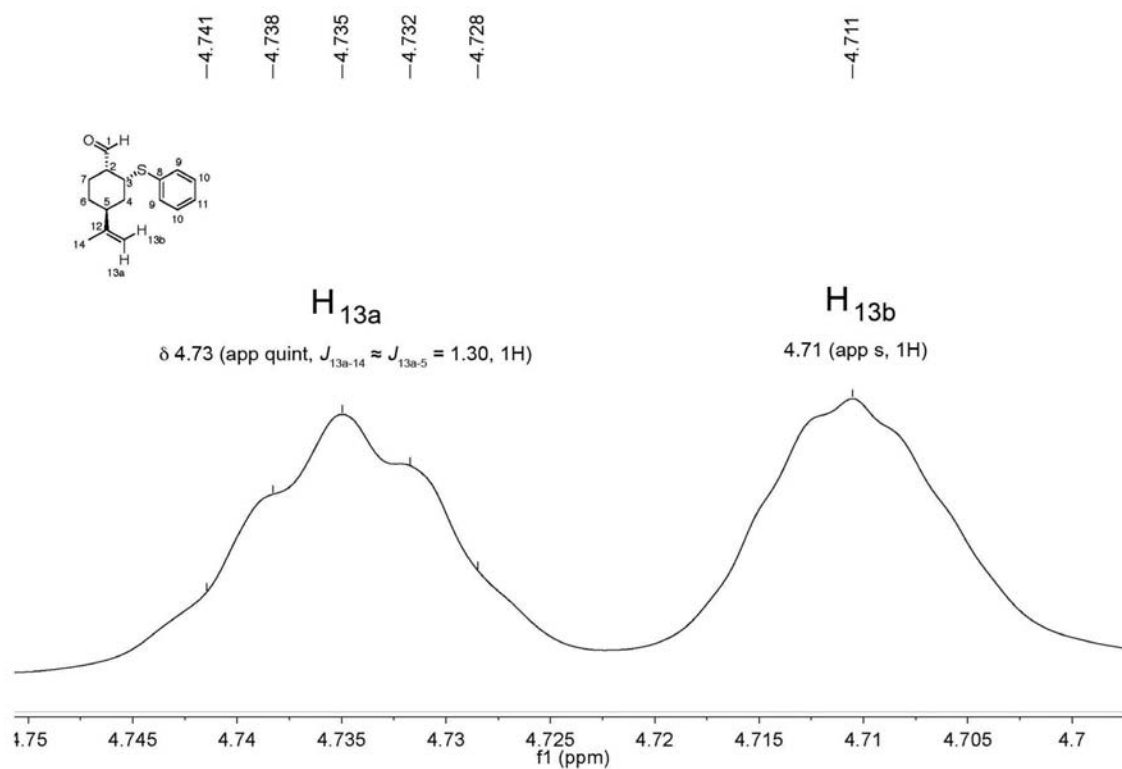
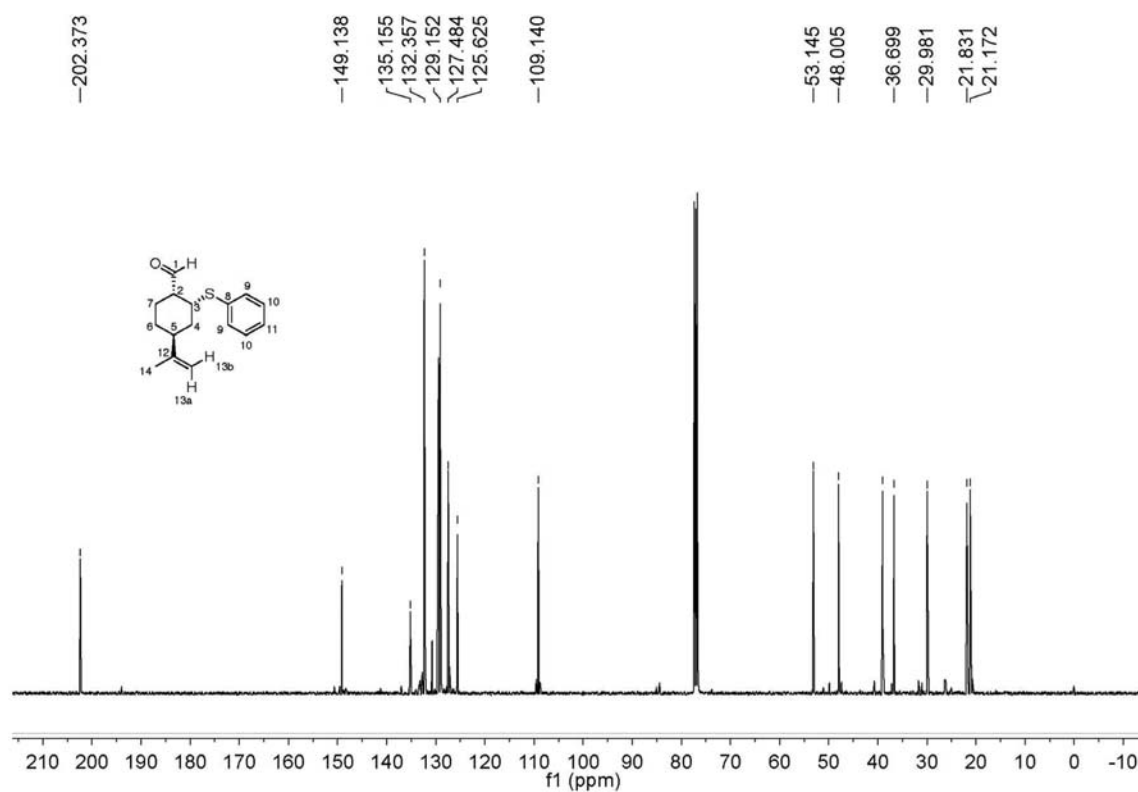
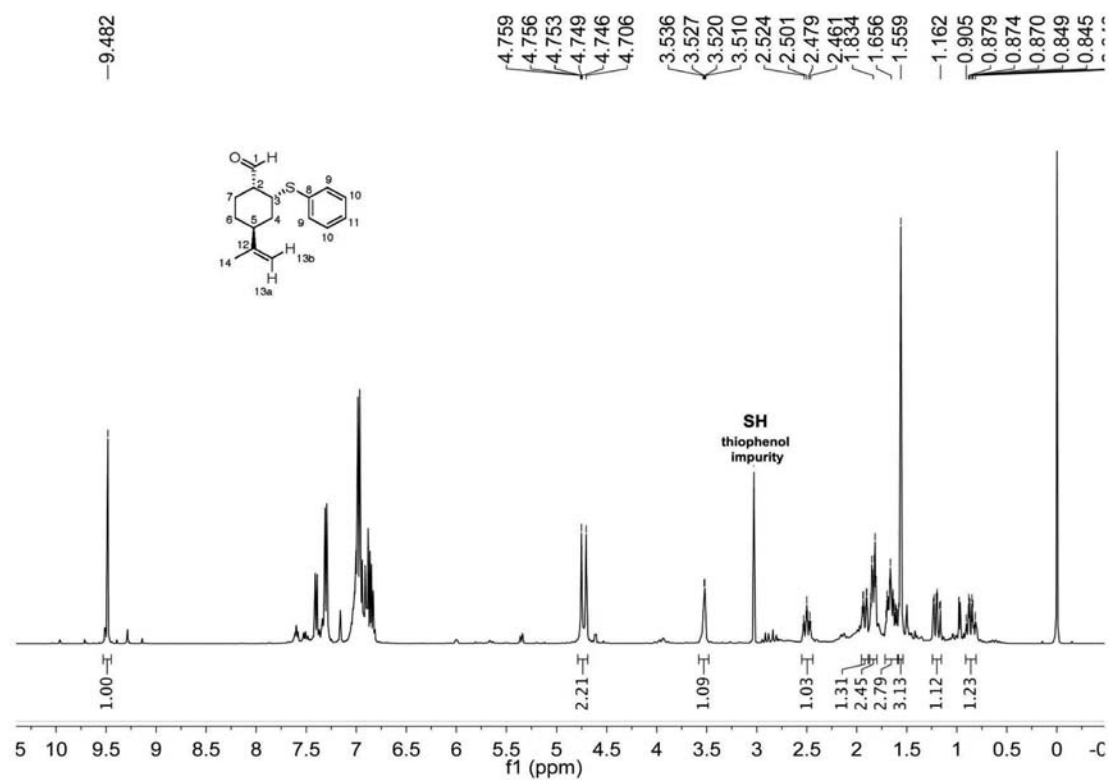


Figure S17. ^1H NMR spectrum of compound **16** between δ 4.70-4.75 (400 MHz, CDCl_3).

Figure S18. ¹³C NMR spectrum of compound **16** (100 MHz, CDCl₃).Figure S19. ¹H NMR spectrum of compound **16** (400 MHz, C₆D₆).

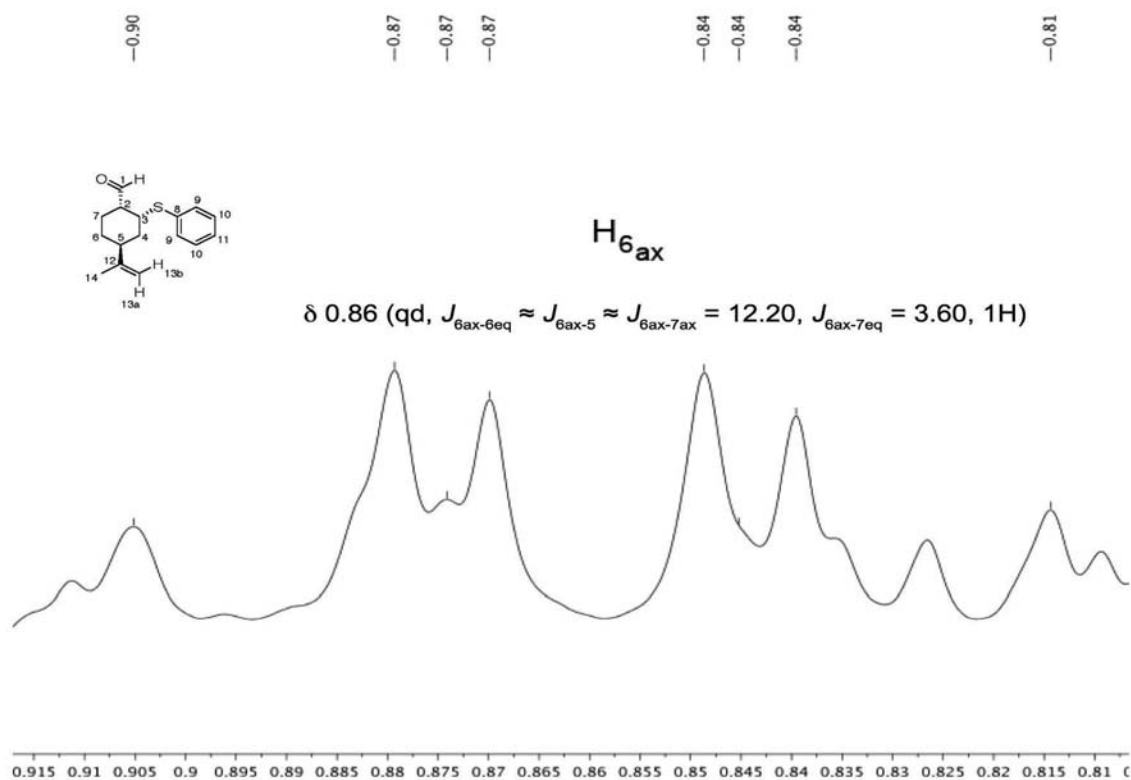


Figure S20. 1H NMR spectrum of compound **16** between δ 0.80-0.91 (400 MHz, C_6D_6).

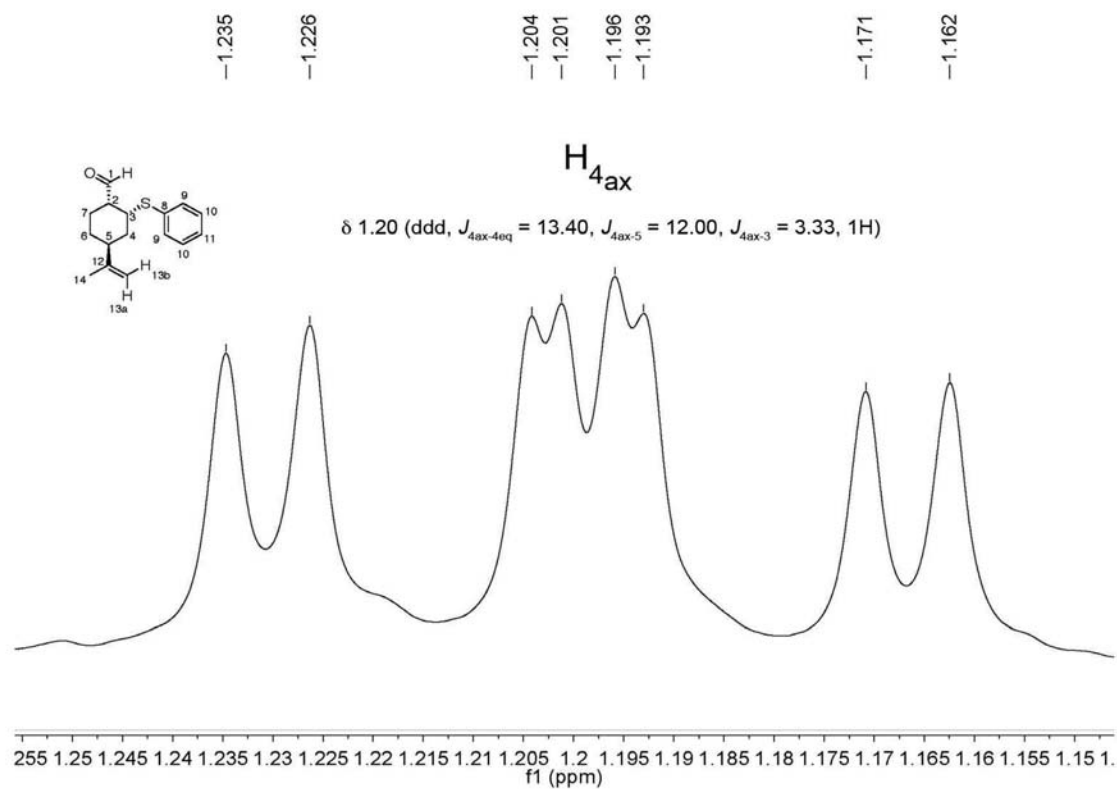


Figure S21. 1H NMR spectrum of compound **16** between δ 1.15-1.25 (400 MHz, C_6D_6).

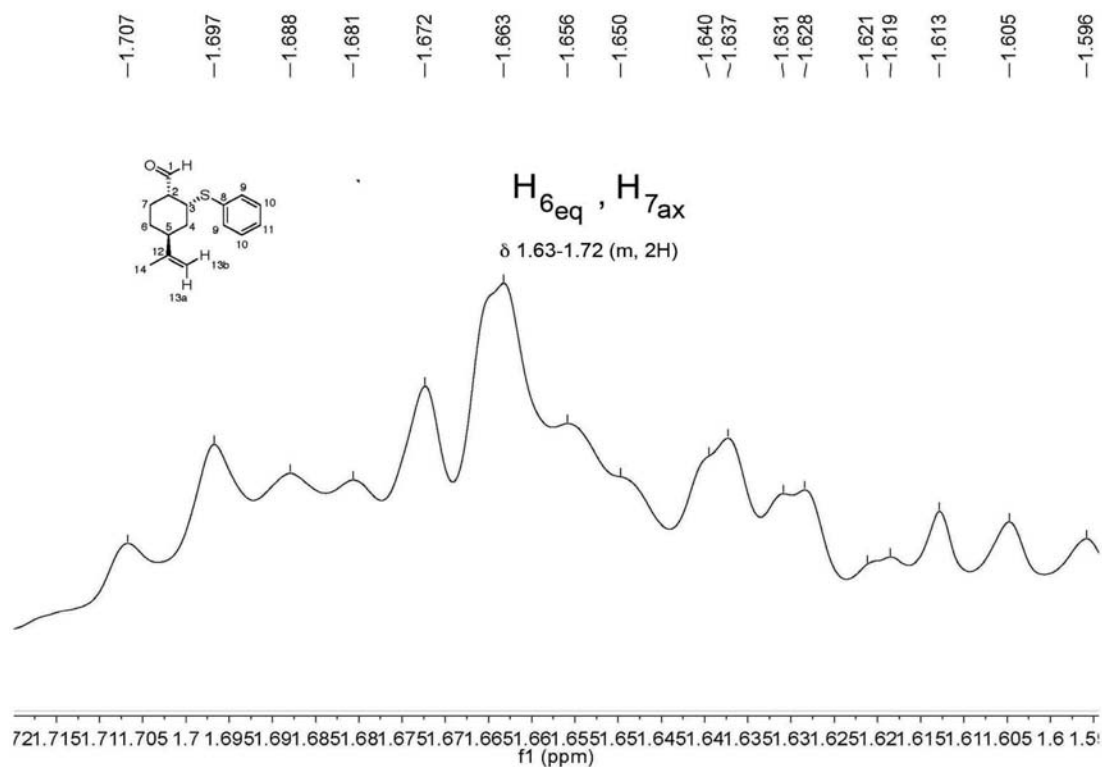


Figure S22. ^1H NMR spectrum of compound **16** between δ 1.59-1.72 (400 MHz, C_6D_6).

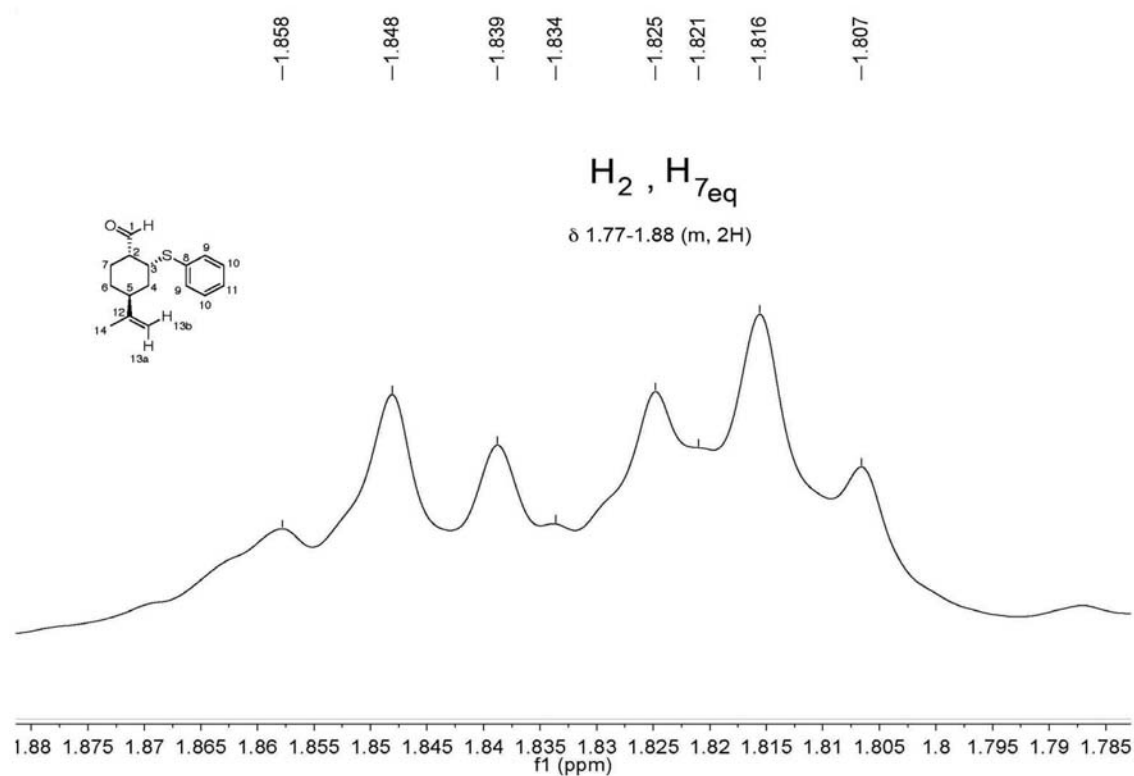


Figure S23. ^1H NMR spectrum of compound **16** between δ 1.77-1.88 (400 MHz, C_6D_6).

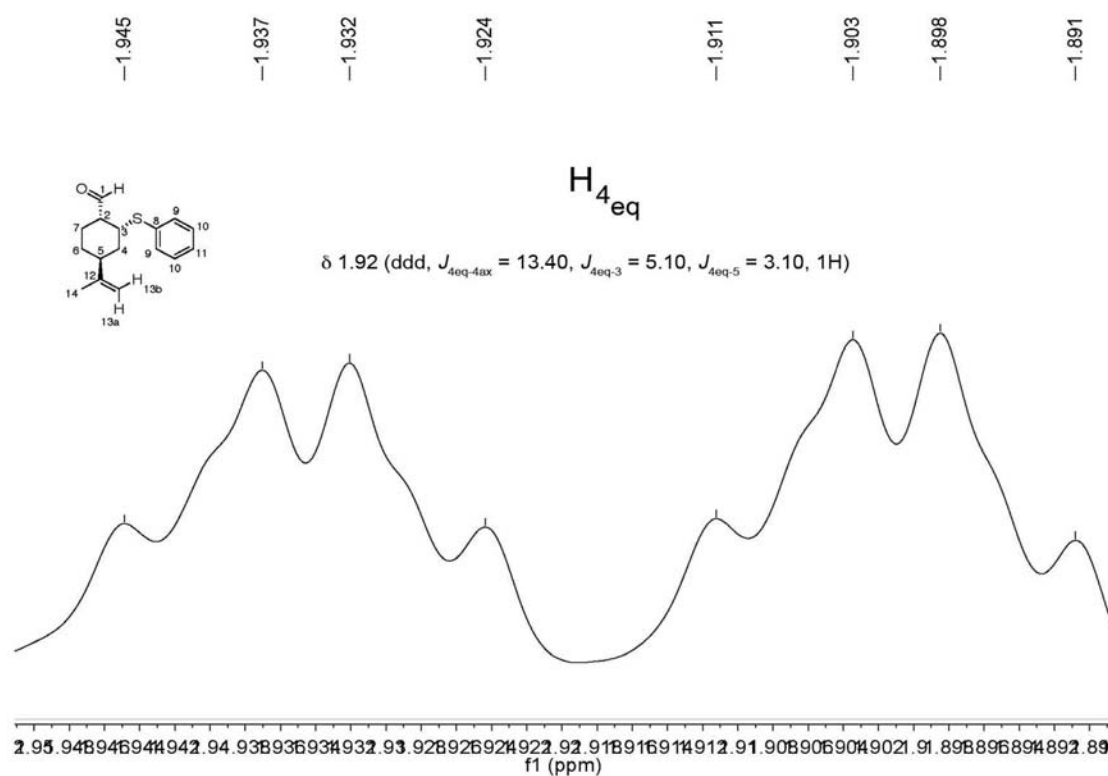


Figure S24. ¹H NMR spectrum of compound **16** between δ 1.88-1.95 (400 MHz, C₆D₆).

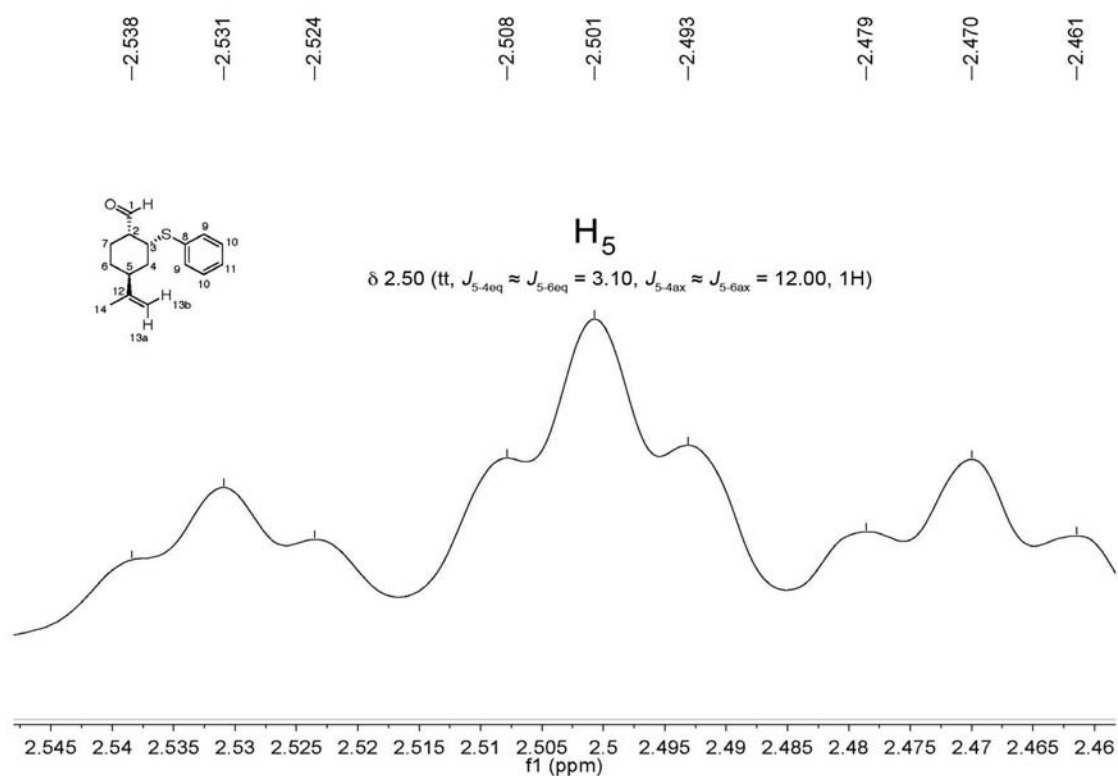


Figure S25. ¹H NMR spectrum of compound **16** between δ 2.45-2.54 (400 MHz, C₆D₆).

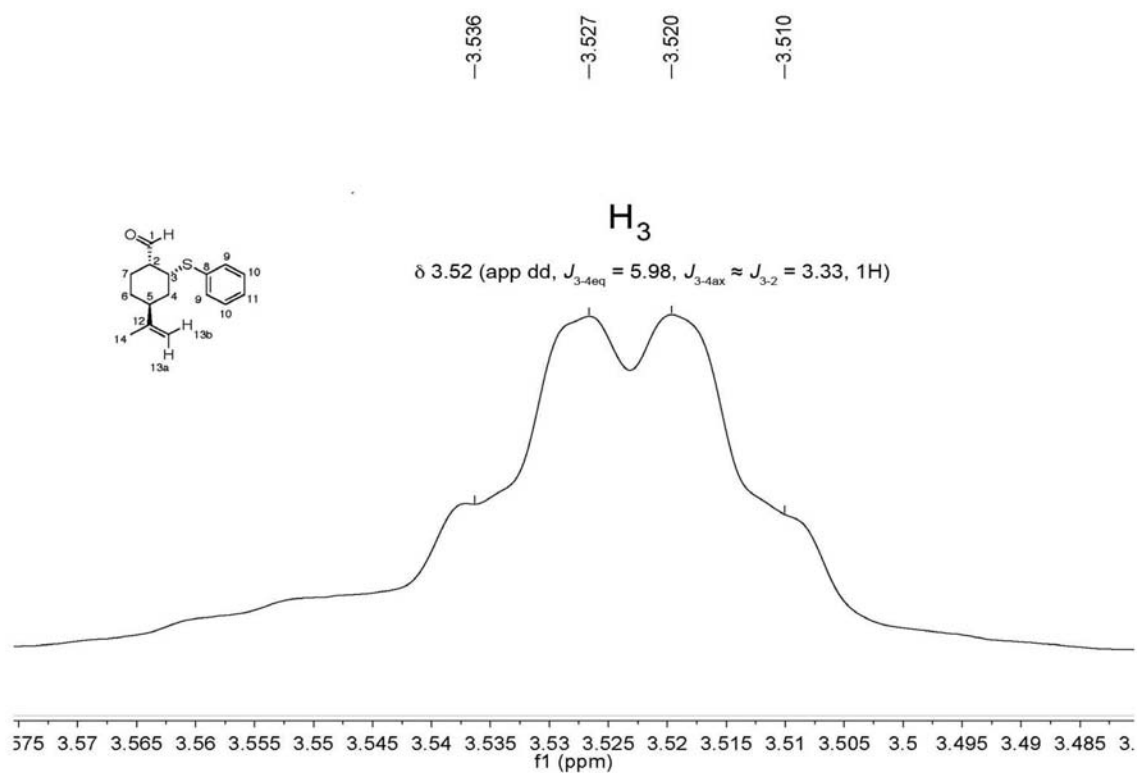


Figure S26. ^1H NMR spectrum of compound **16** between δ 3.49-3.57 (400 MHz, C_6D_6).

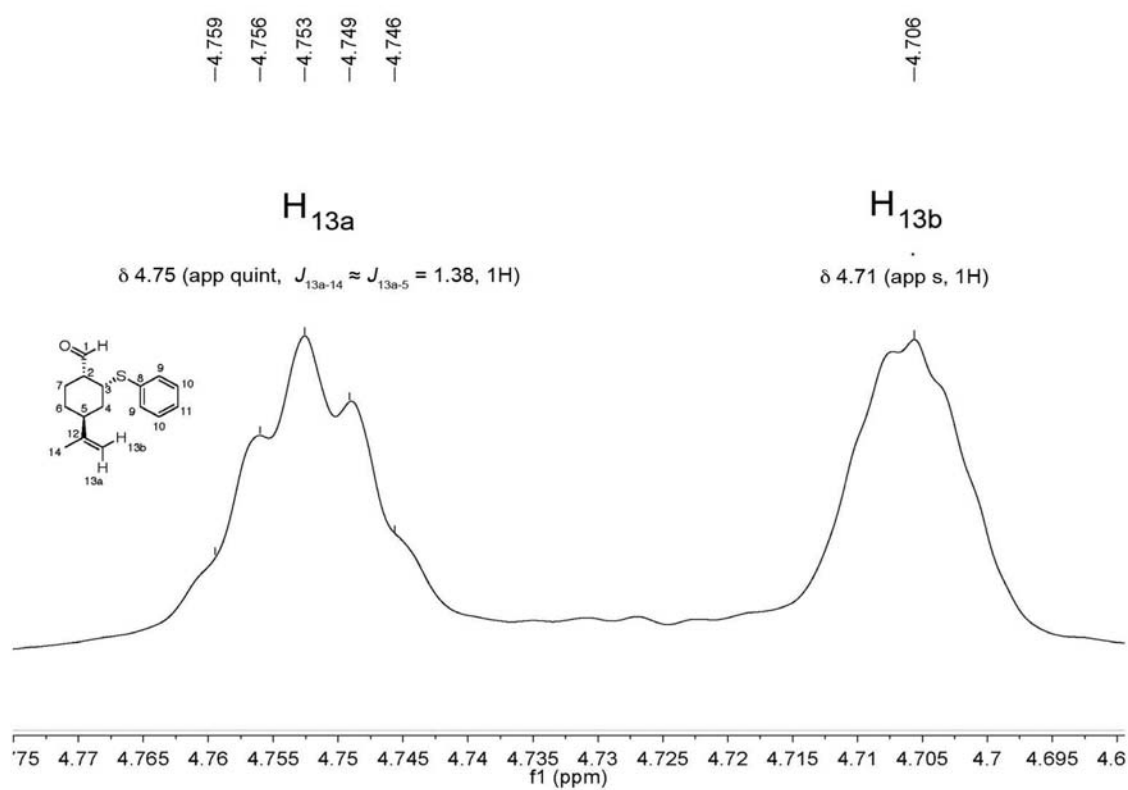


Figure S27. ^1H NMR spectrum of compound **16** between δ 4.69-4.78 (400 MHz, C_6D_6).

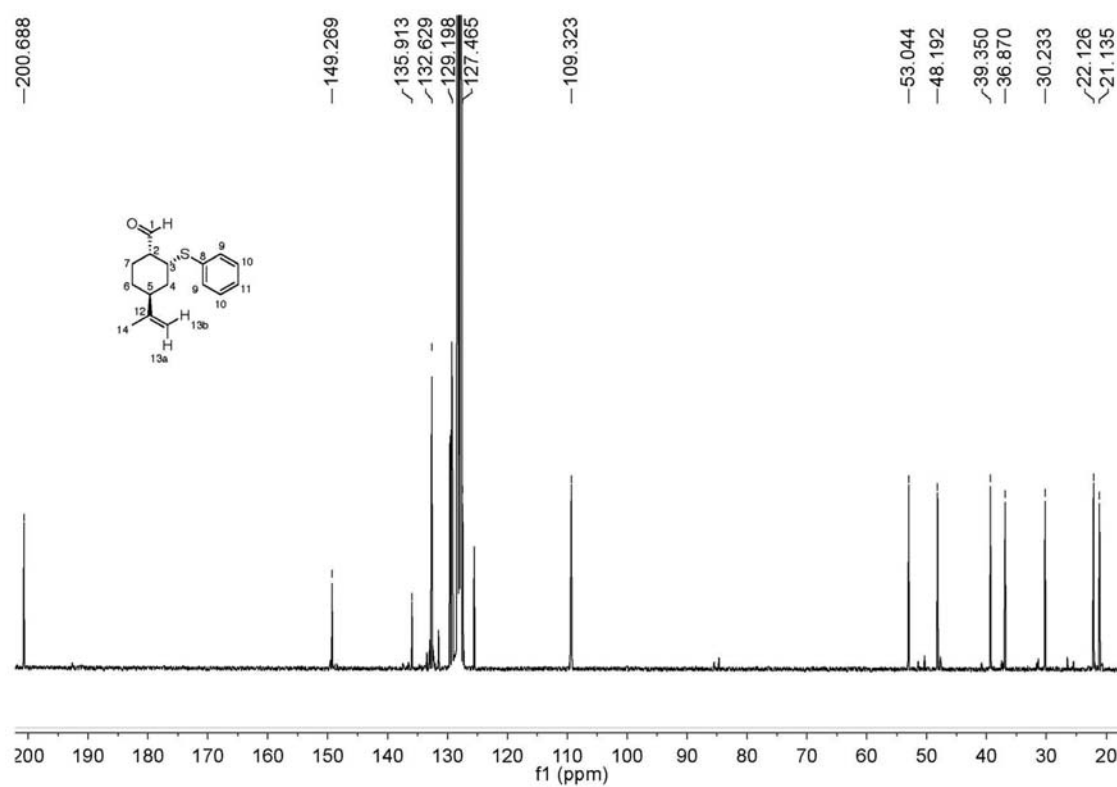


Figure S28. ¹³C NMR spectrum of compound **16** (100 MHz, C₆D₆).