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Supplementary Information

Iodine-Catalyzed Prins Cyclization of Aliphatic and Aromatic Ketones

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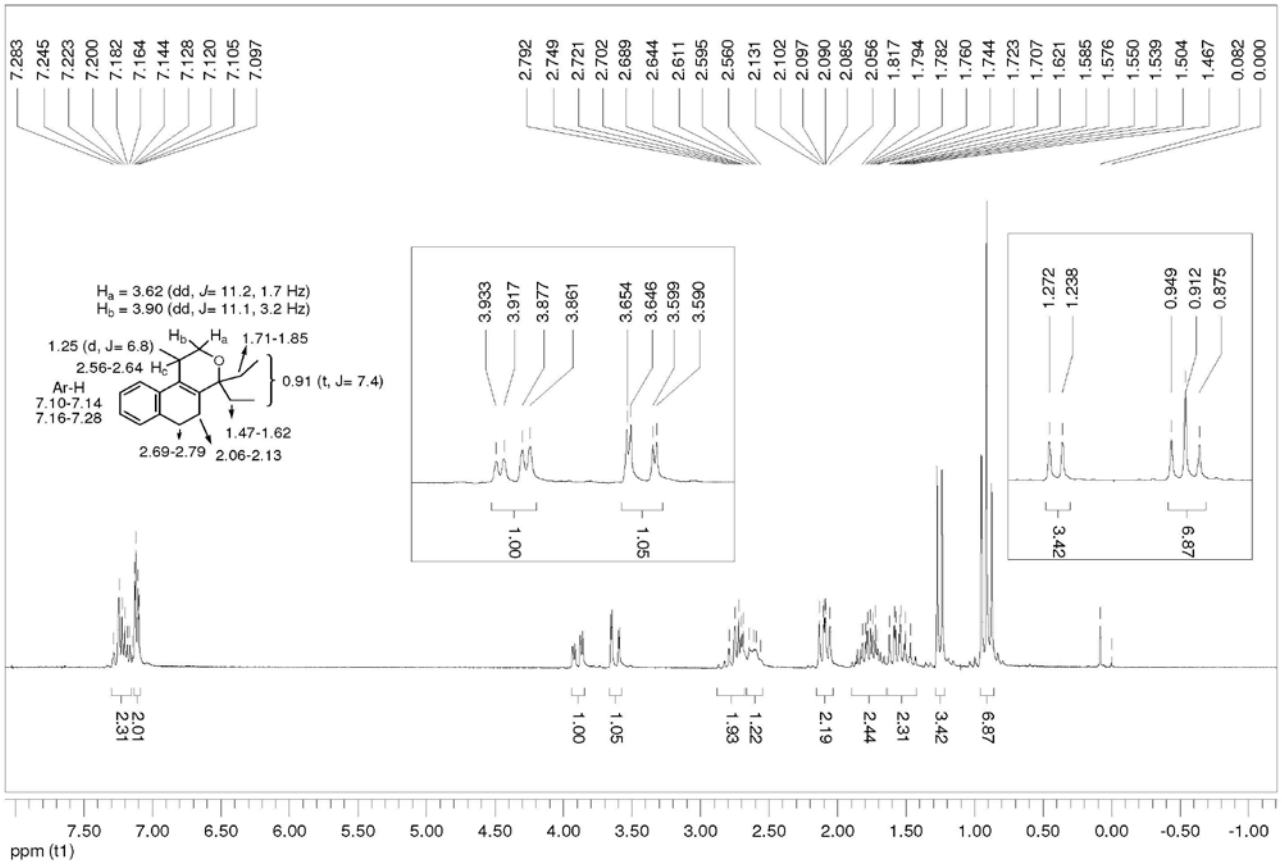

Figure S1. ^{1}H NMR (200 MHz, $CDCl_3$) spectrum of **3b**.

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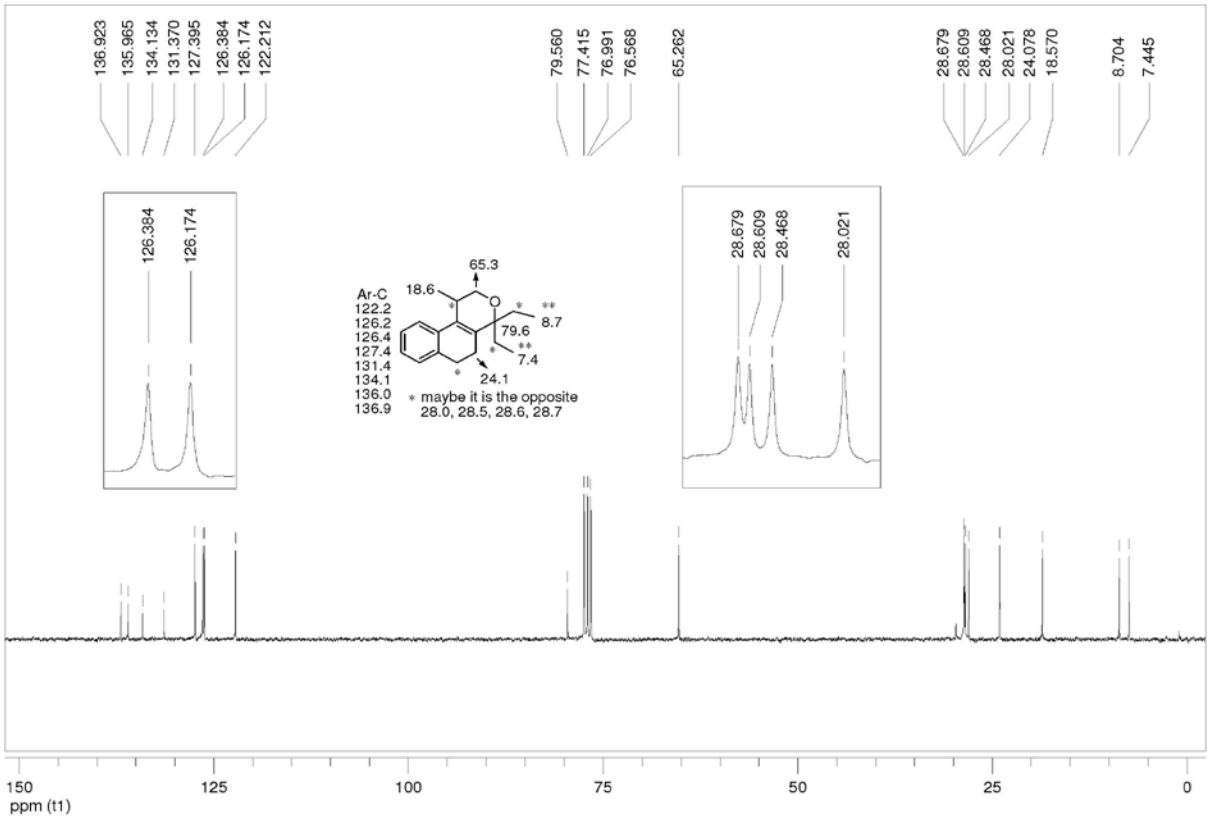

Figure S2. ^{13}C NMR (75 MHz, $CDCl_3$) spectrum of **3b**.

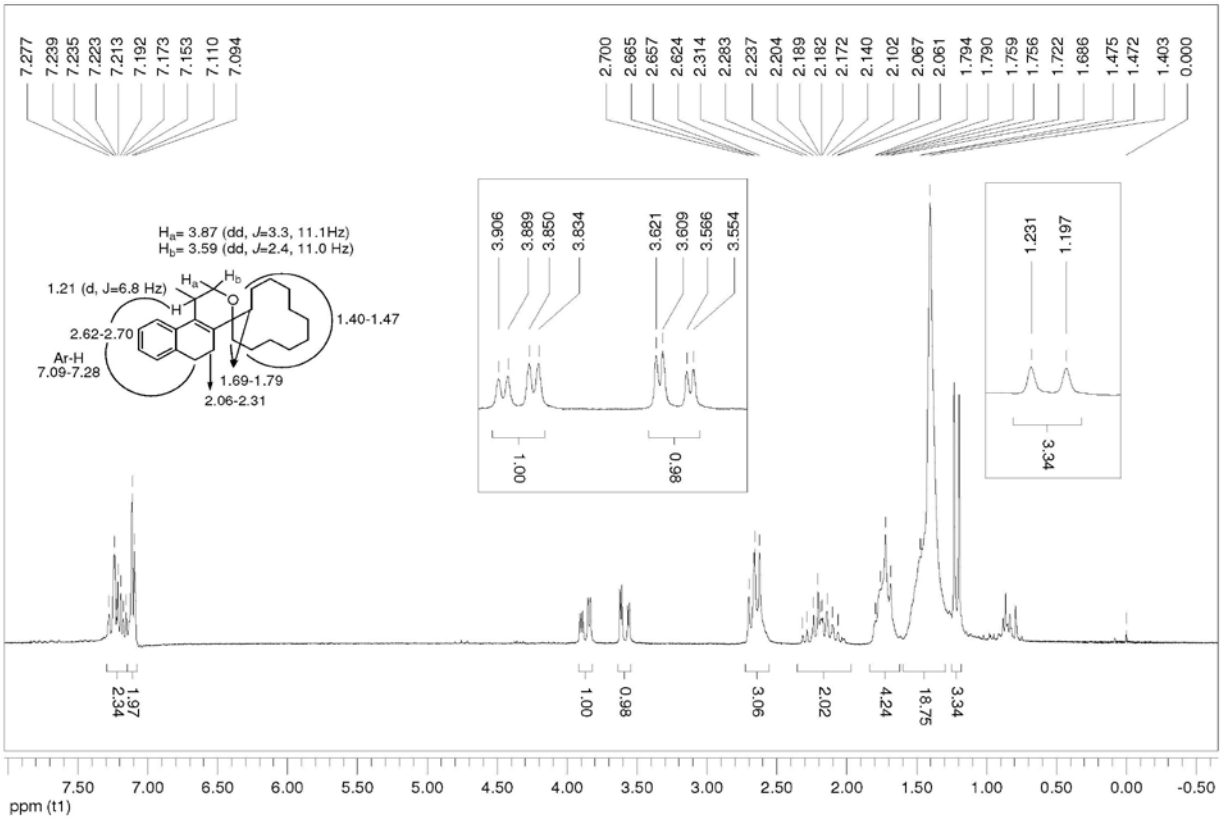

Figure S3. ^{1}H NMR (200 MHz, $CDCl_3$) spectrum of **3f**.

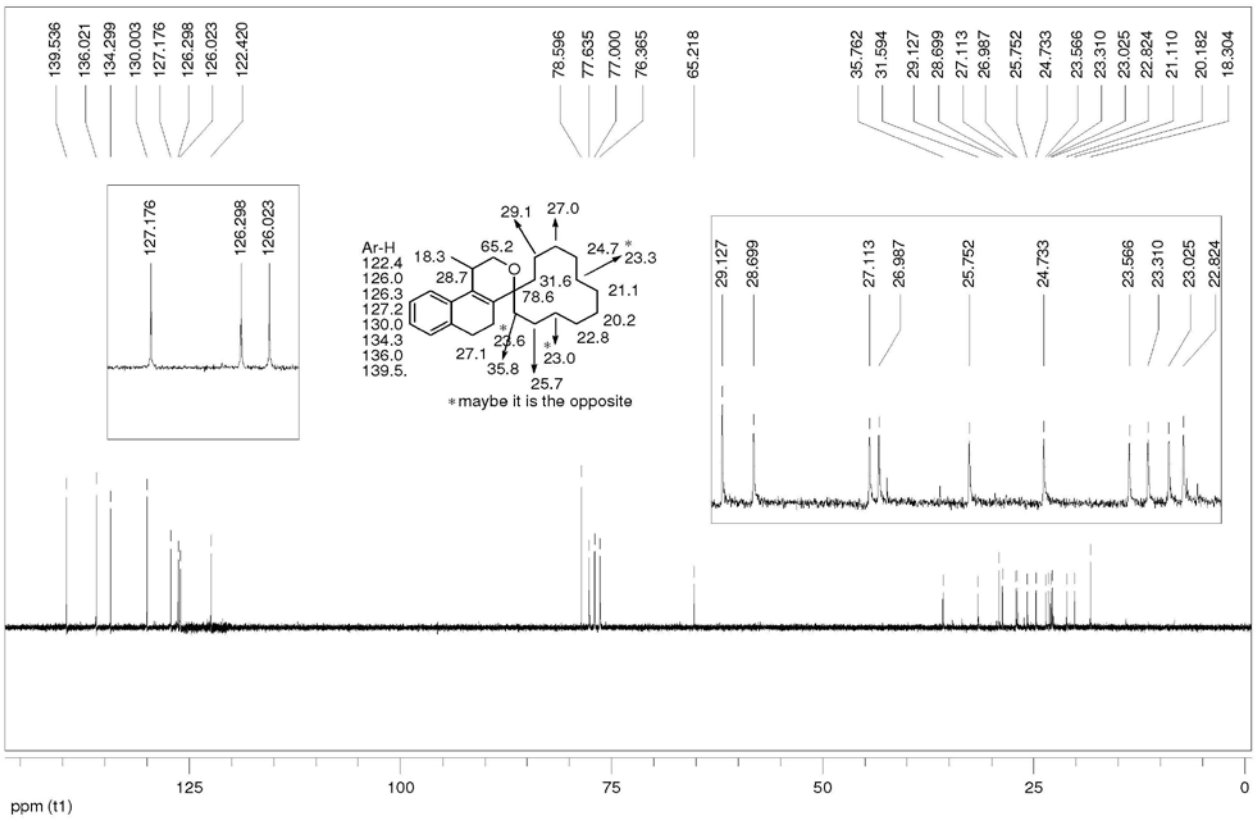

Figure S4. ^{13}C NMR (50 MHz, $CDCl_3$) spectrum of **3f**.

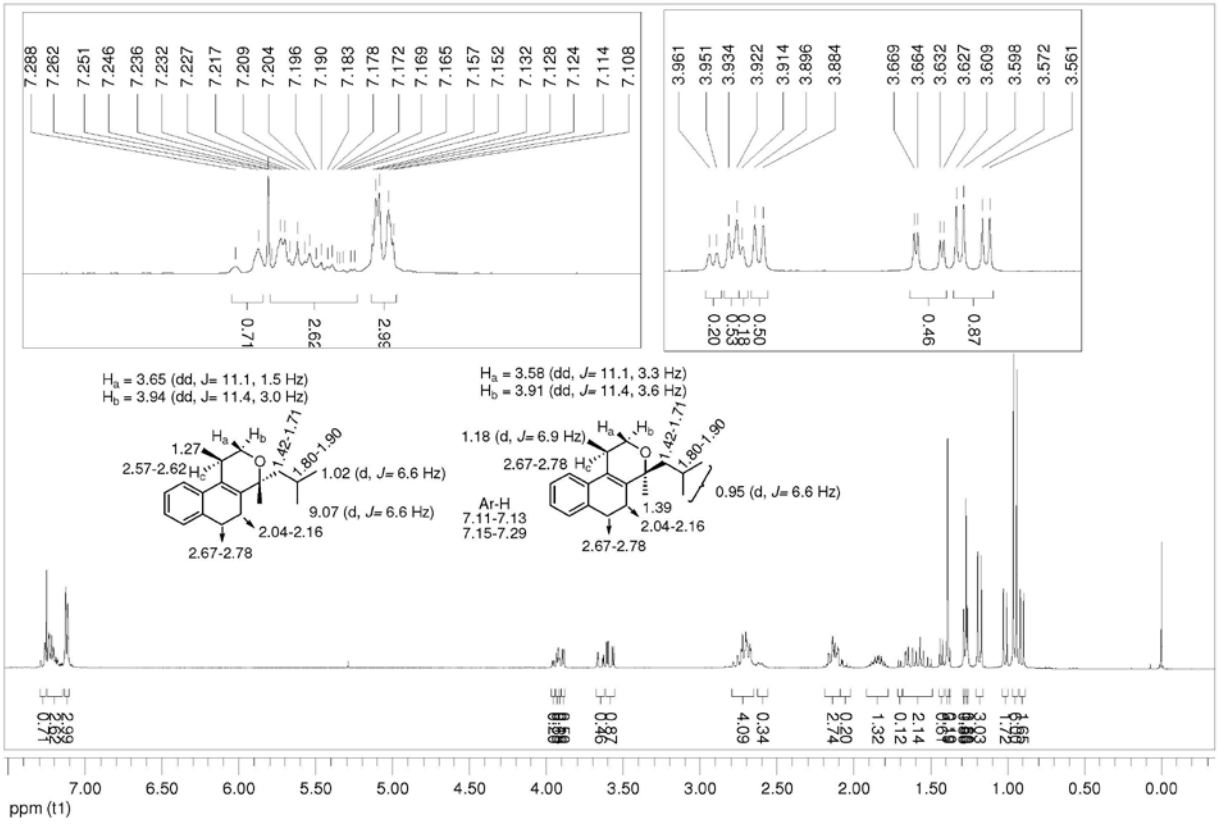

Figure S5. ^{1}H NMR (300 MHz, $CDCl_3$) spectrum of **3g**.

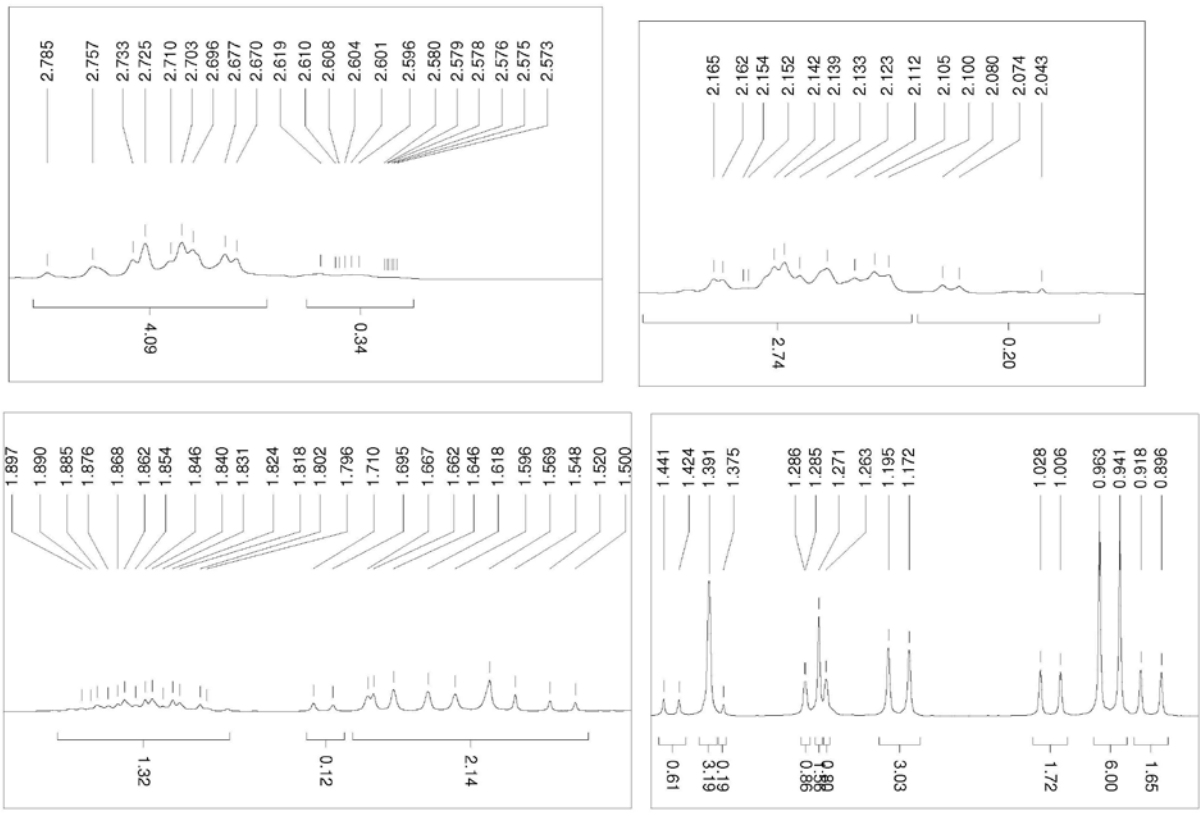

Figure S6. ^{1}H NMR (300 MHz, $CDCl_3$) selected expansions of **3g**.

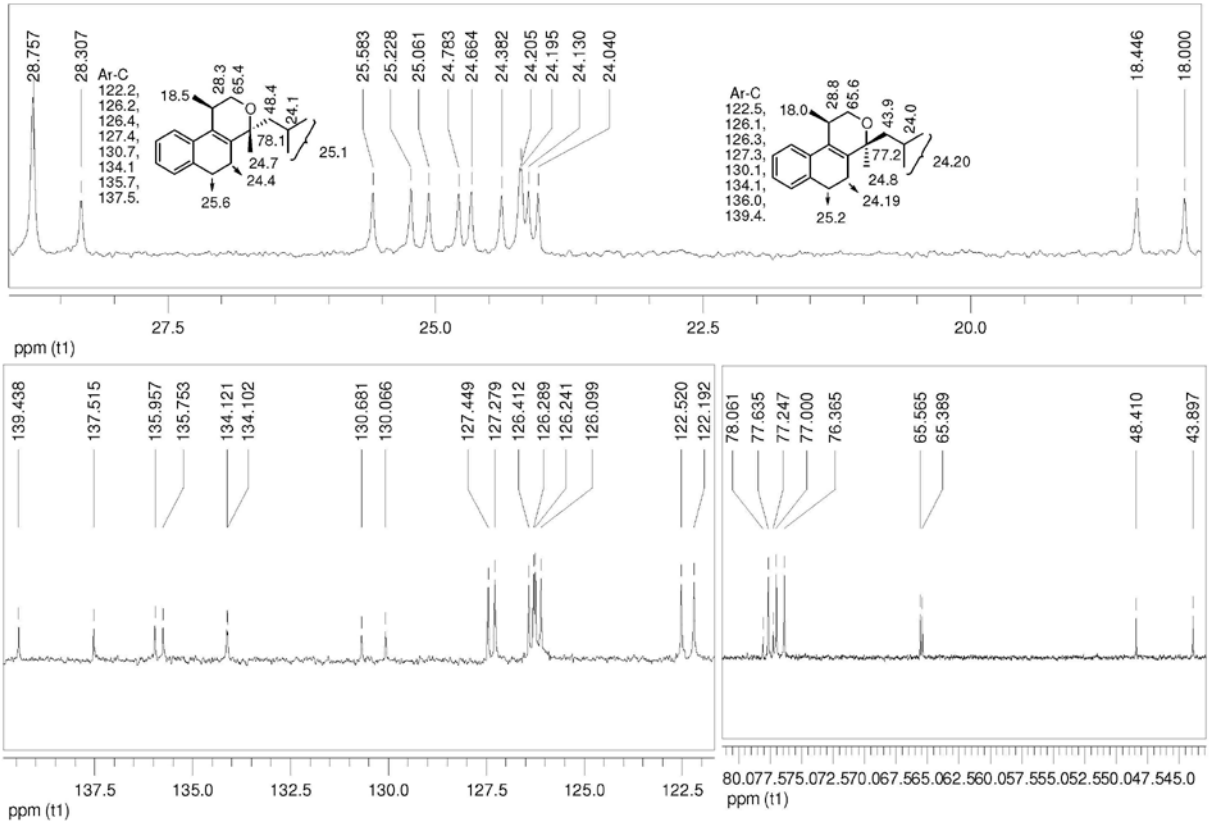

Figure S7. ^{13}C NMR (75 MHz, $CDCl_3$) spectrum of **3g**.

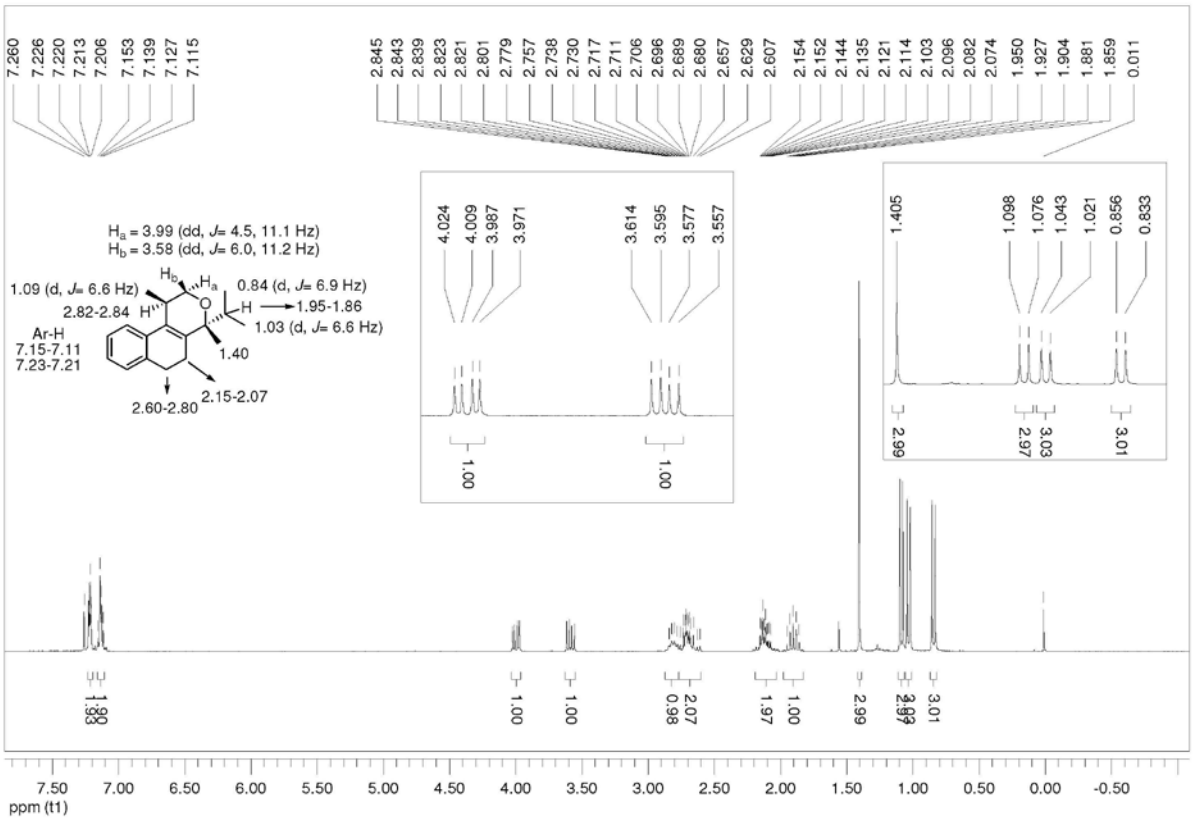

Figure S8. ^{1}H NMR (300 MHz, $CDCl_3$) spectrum of ***cis*-3h**.

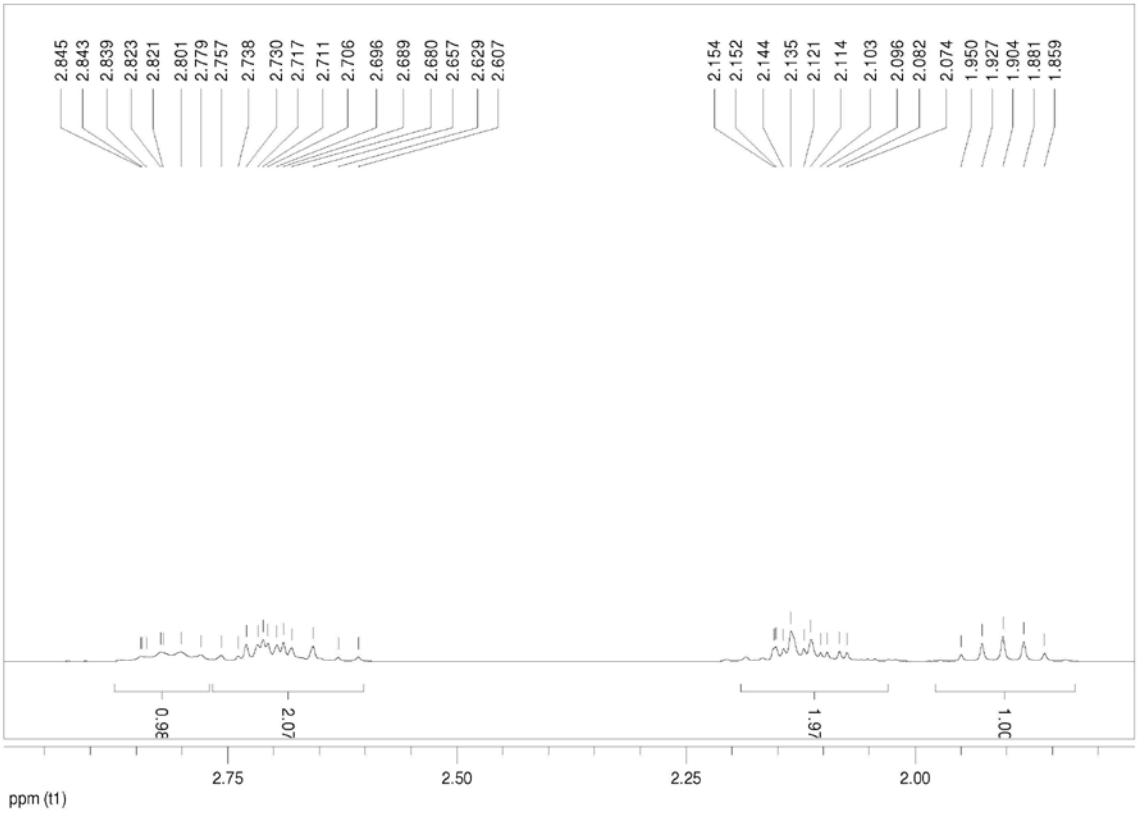

Figure S9. ^{1}H NMR (200 MHz, $CDCl_3$) selected expansions of ***cis*-3h**.

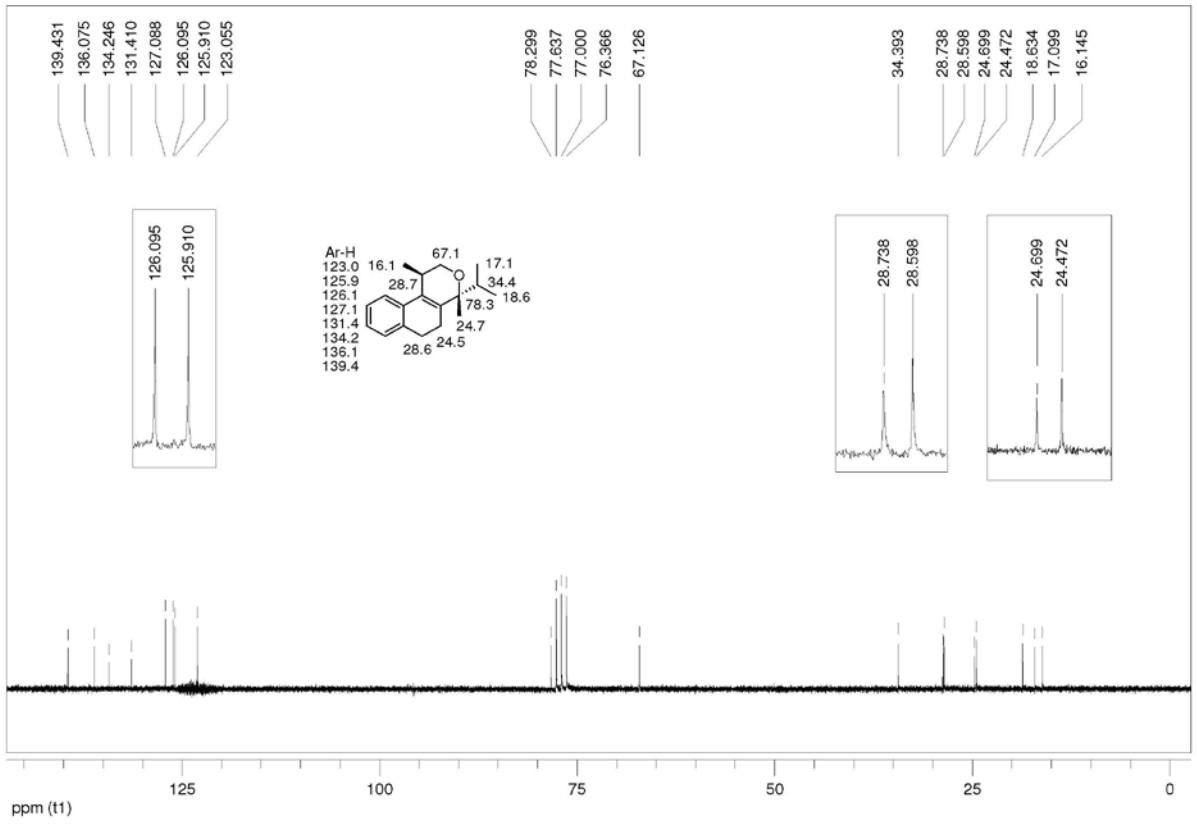

Figure S10. ^{13}C NMR (50 MHz, $CDCl_3$) spectrum of ***cis*-3h**.

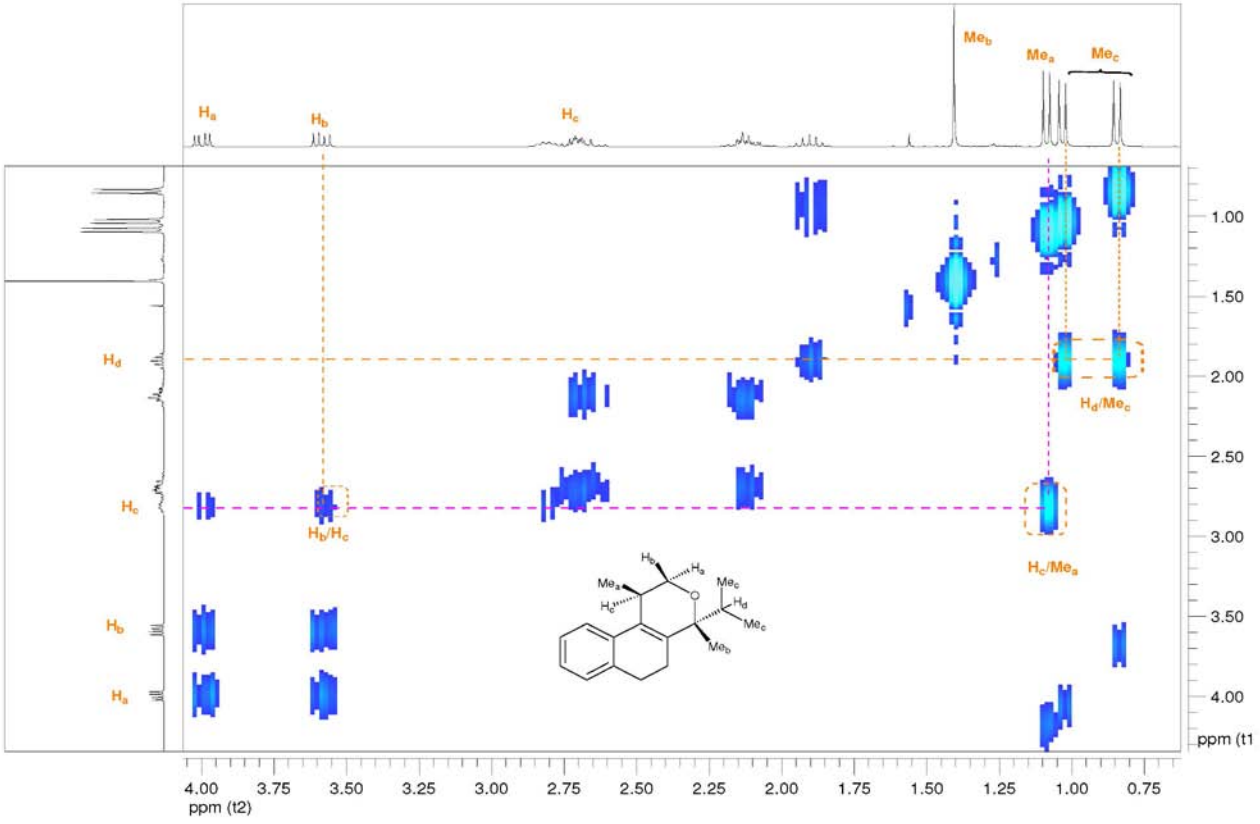

Figure S11. Selected COSY (300 MHz, $CDCl_3$) correlated spectrum of ***cis*-3h**.

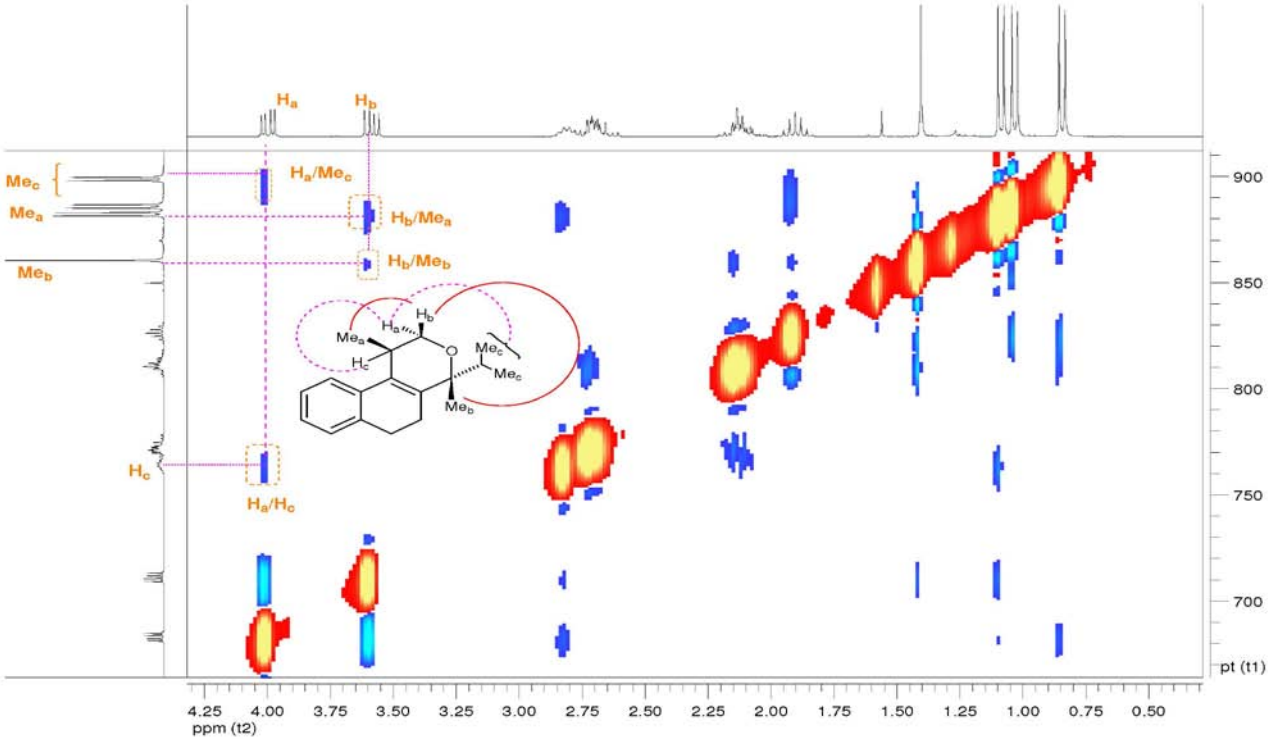

Figure S12. Selected NOESY (300 MHz, $CDCl_3$) correlated spectrum of ***cis*-3h**.

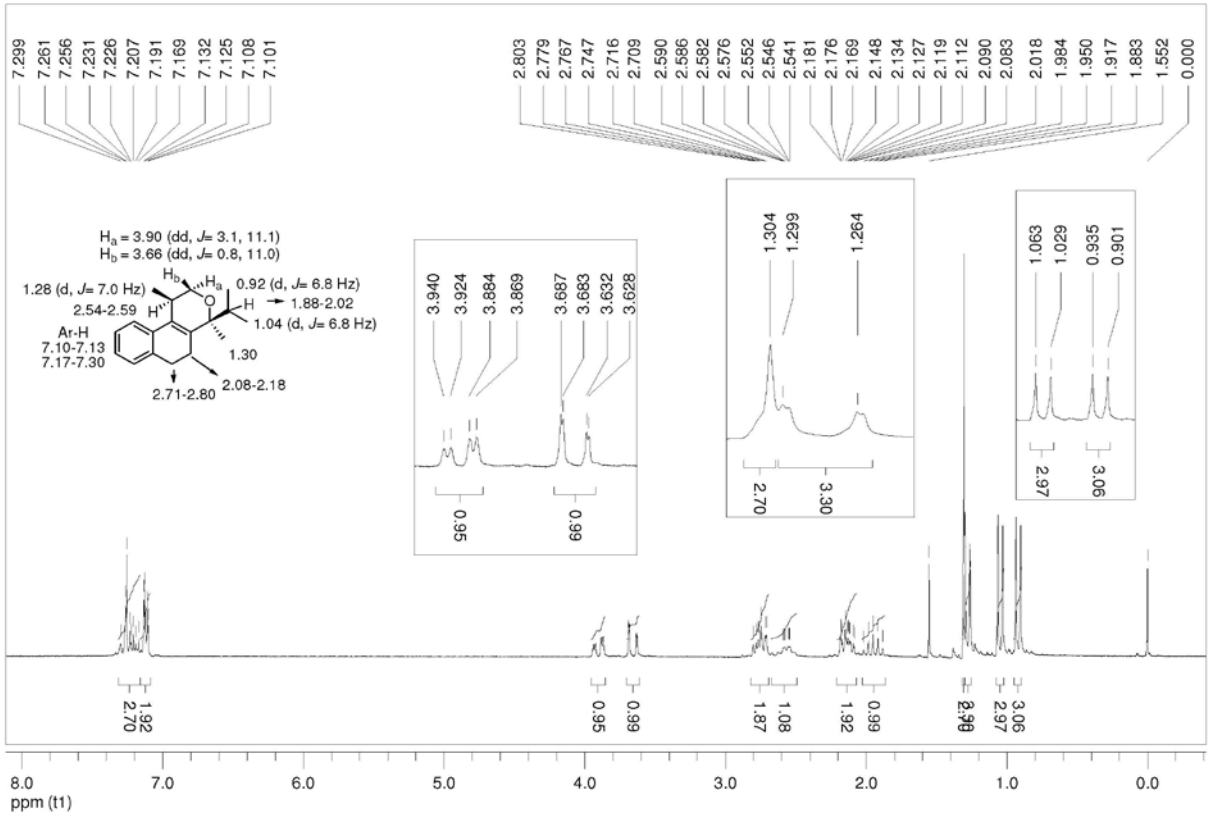

Figure S13. ^{1}H NMR (200 MHz, $CDCl_3$) spectrum of ***trans*-3h**.

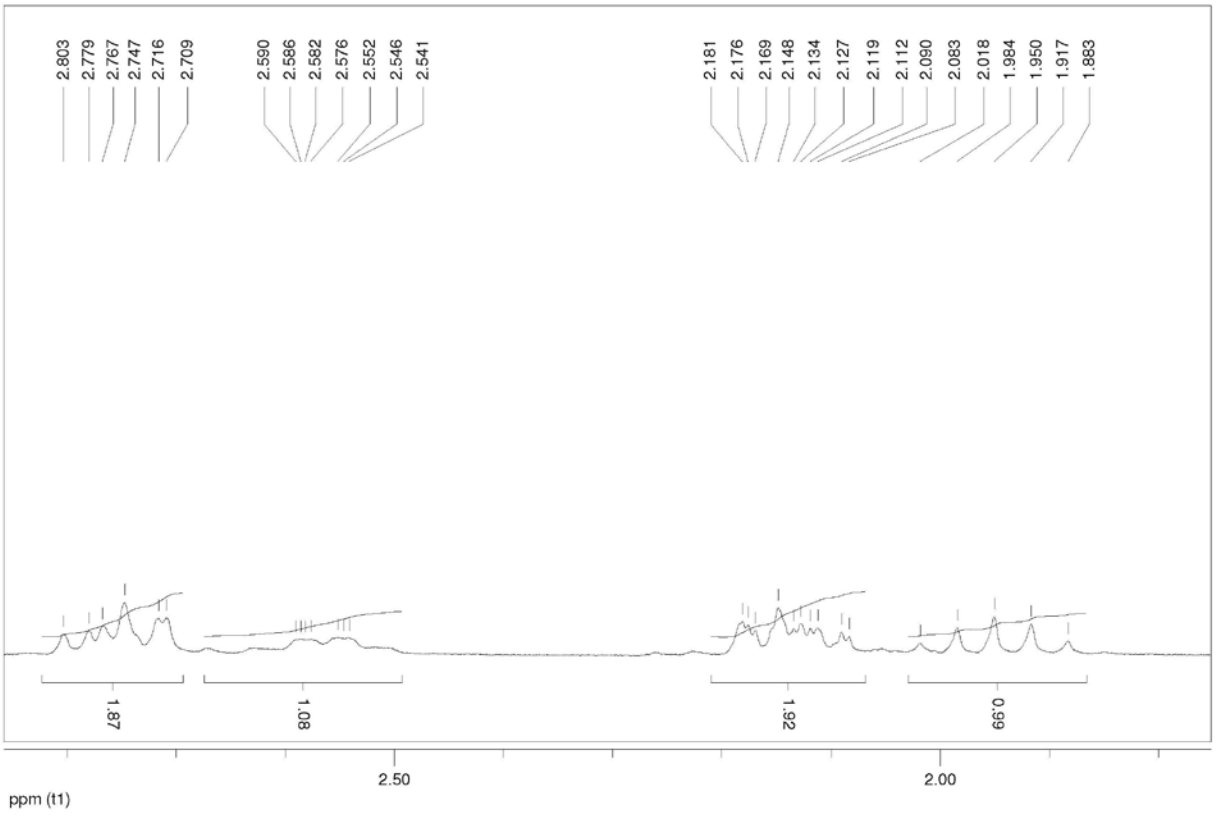

Figure S14. ^{1}H NMR (200 MHz, $CDCl_3$) selected expansions of ***trans*-3h**.

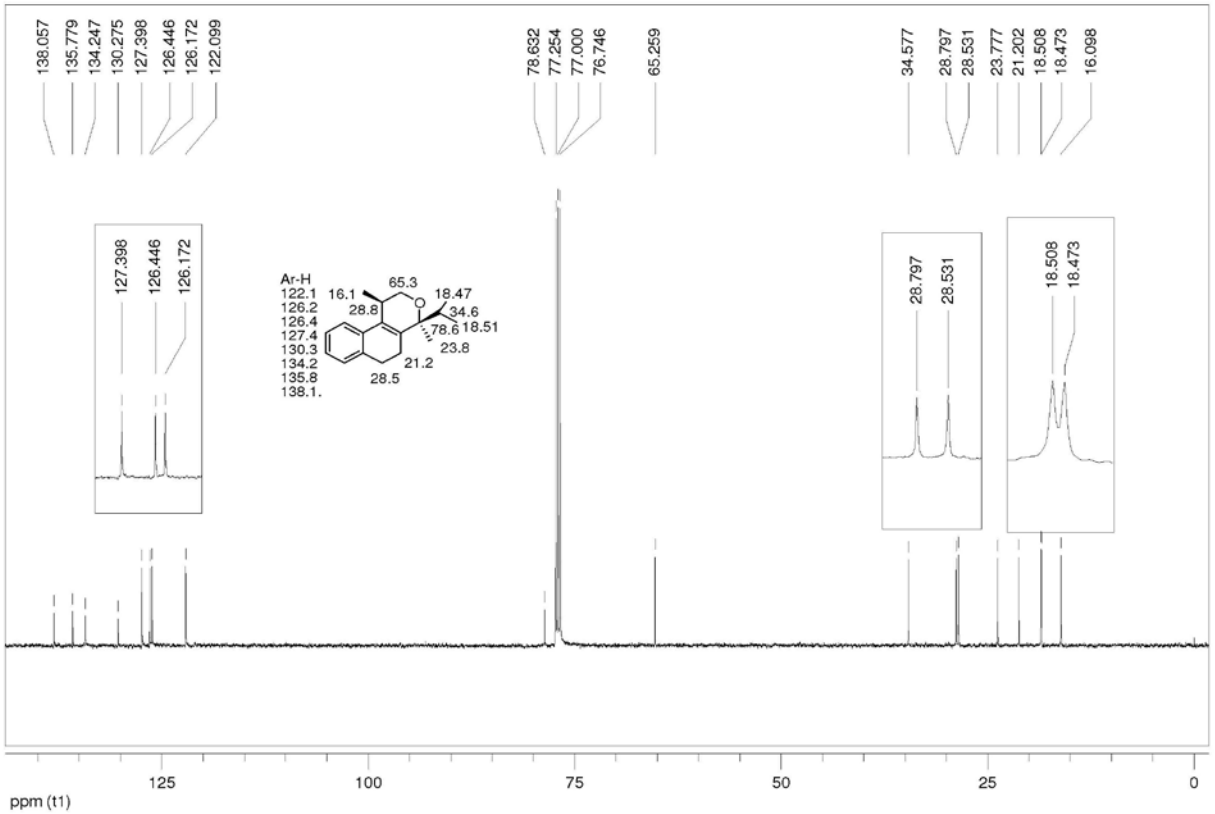

Figure S15. ^{13}C NMR (75 MHz, $CDCl_3$) spectrum of ***trans*-3h**.

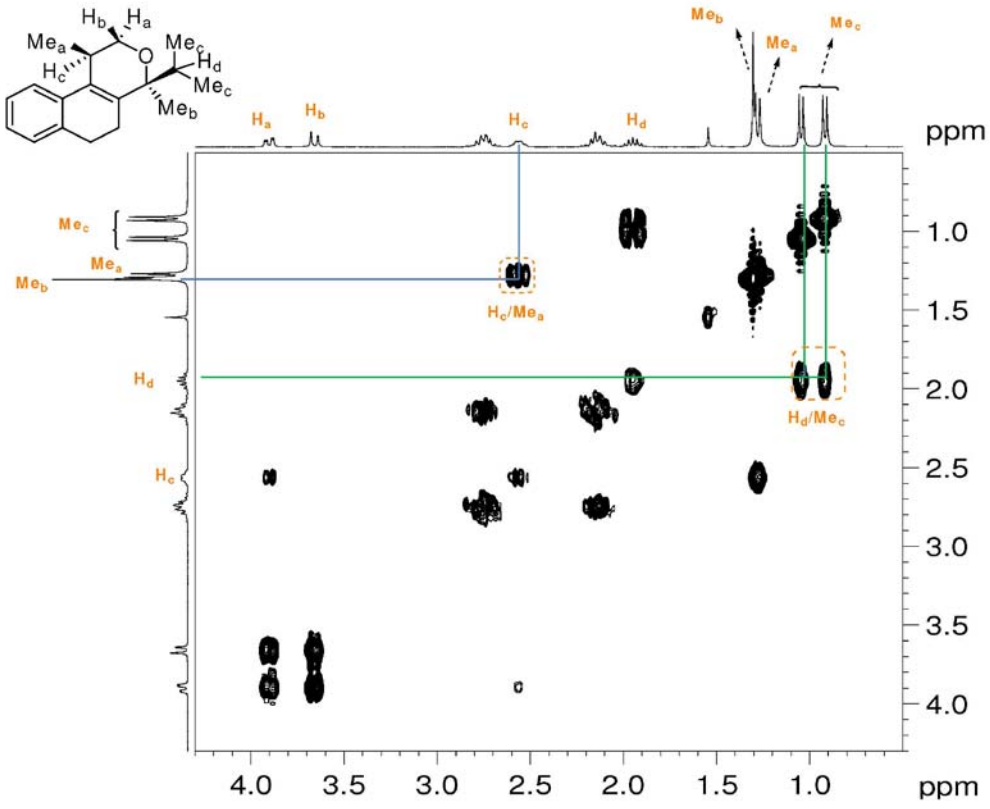

Figure S16. Selected COSY (300 MHz, $CDCl_3$) correlated spectrum of ***trans*-3h**.

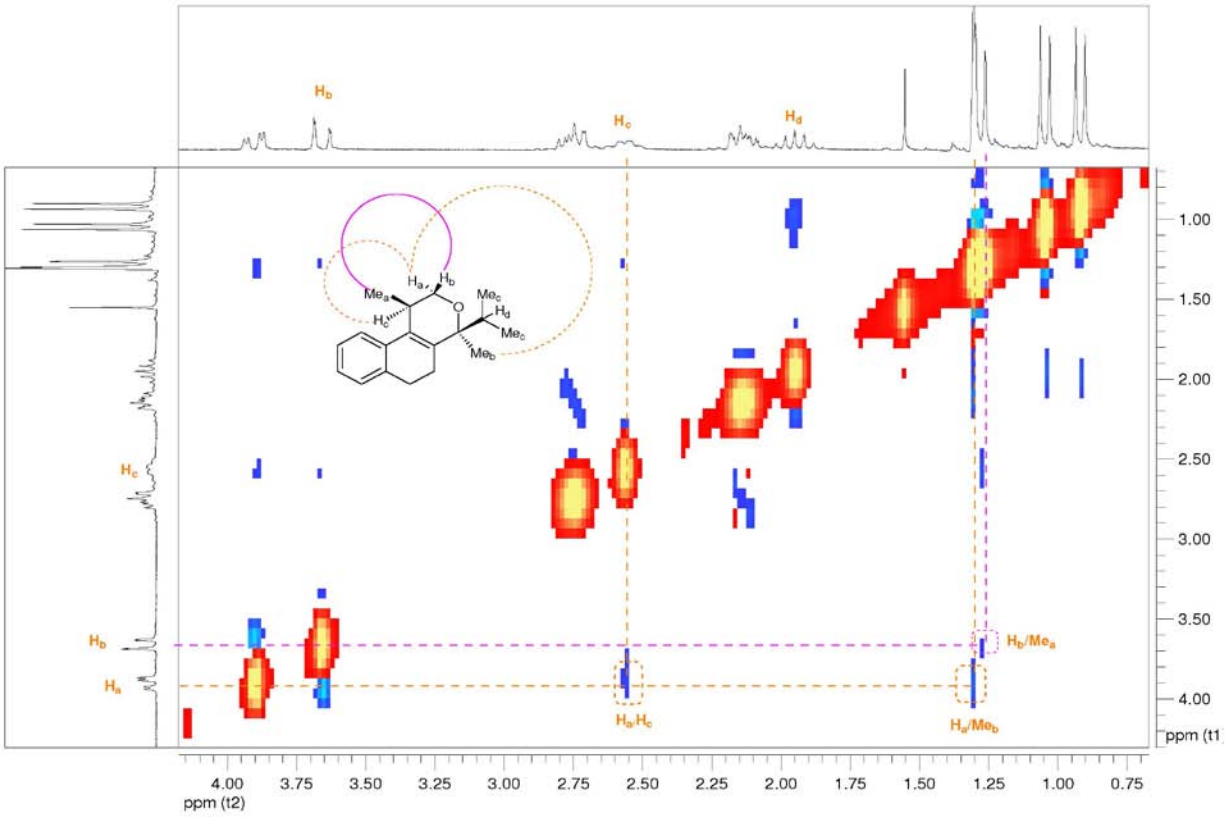

Figure S17. Selected NOESY (300 MHz, $CDCl_3$) correlated spectrum of ***trans*-3h**.

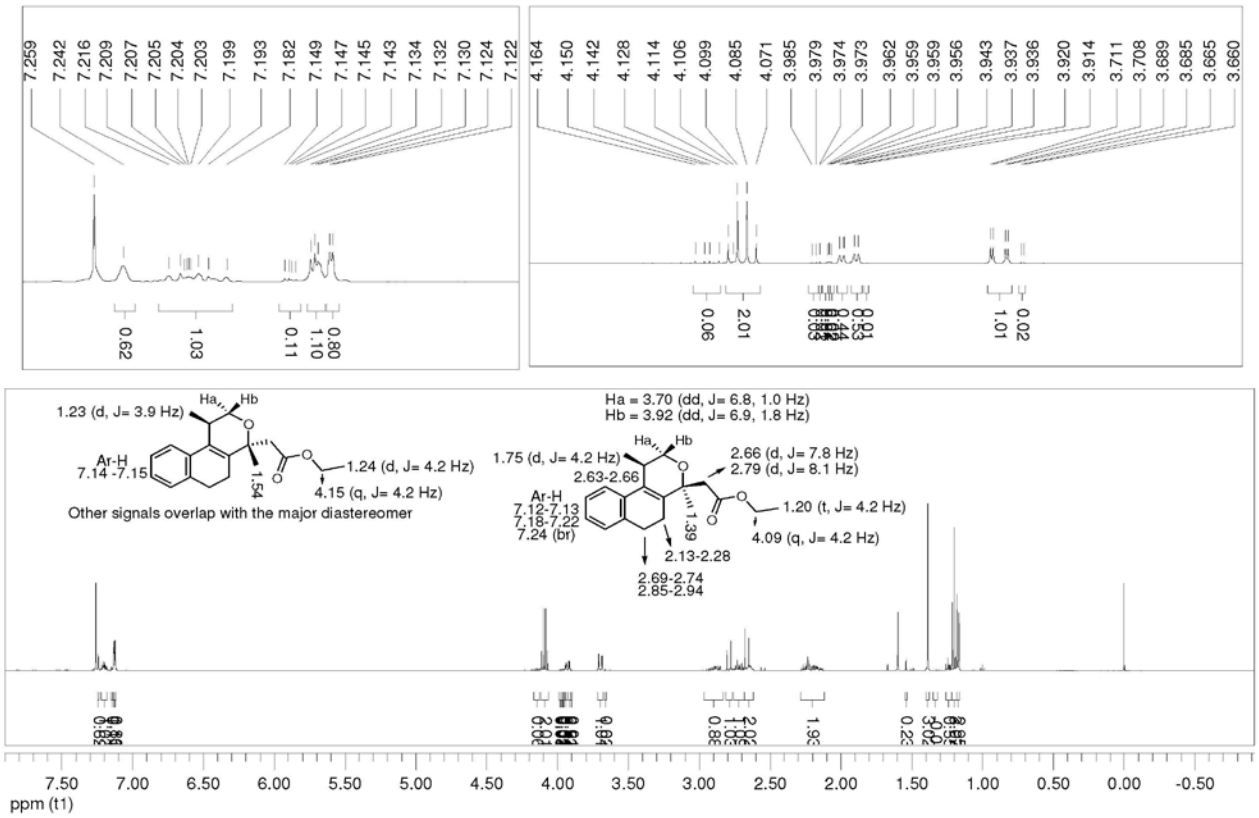

Figure S18. ^{1}H NMR (300 MHz, $CDCl_3$) spectrum of **3i**.

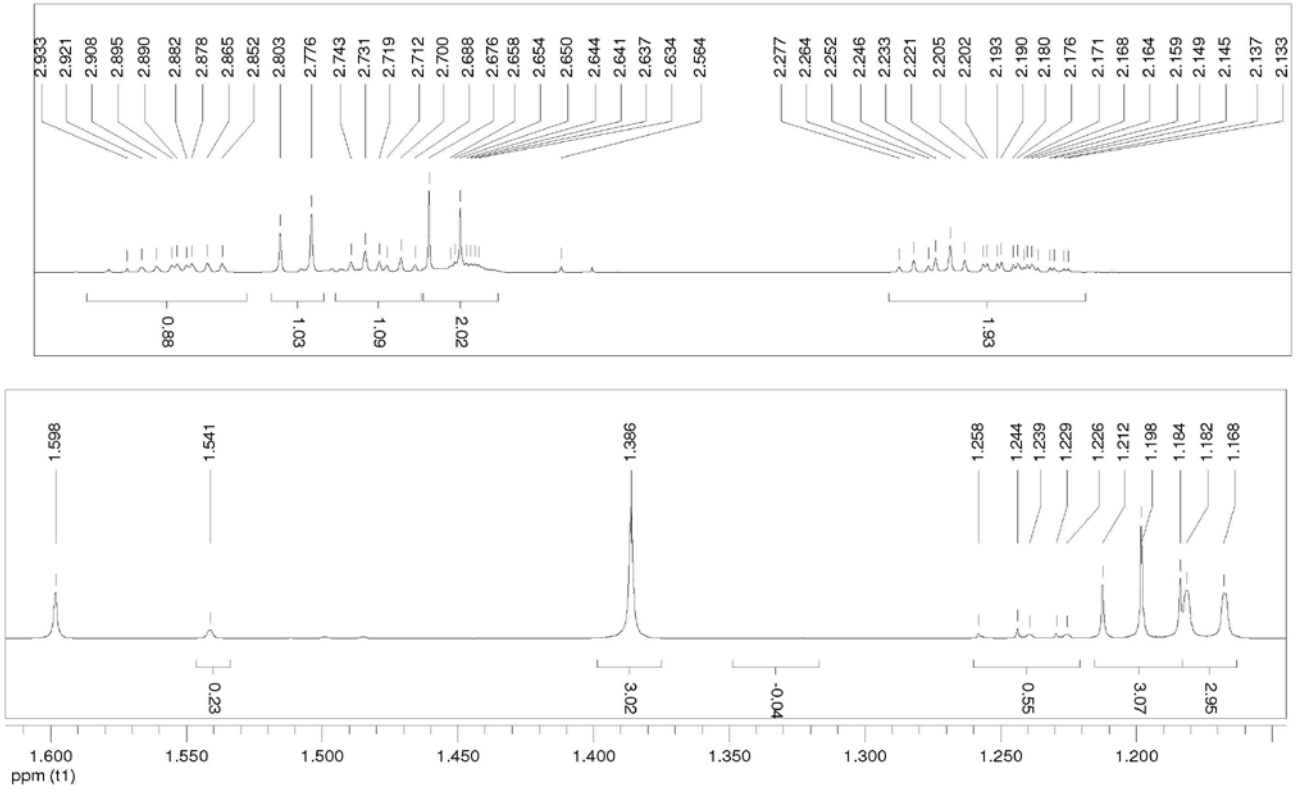

Figure S19. ^{1}H NMR (300 MHz, $CDCl_3$) selected expansions of **3i**.

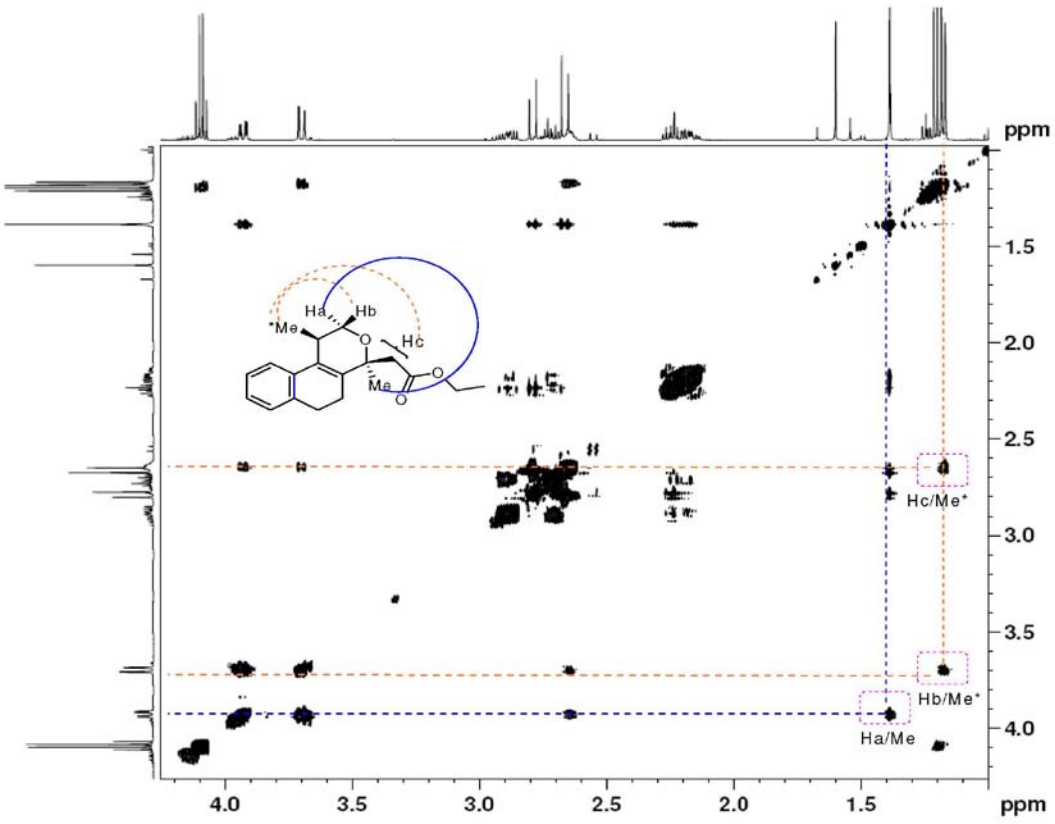

Figure S20. Selected NOESY (300 MHz, $CDCl_3$) correlated spectrum of **3i**.

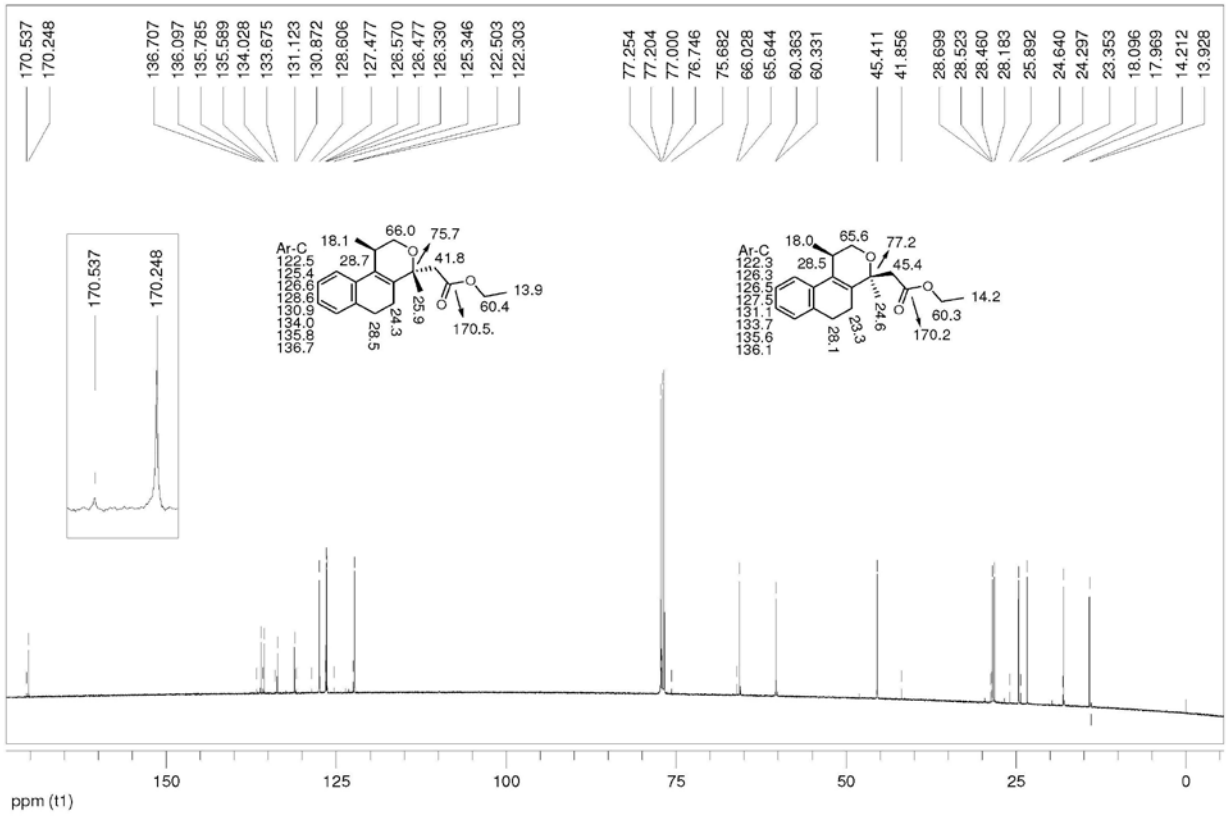

Figure S21. ^{13}C NMR (75 MHz, $CDCl_3$) spectrum of **3i**.

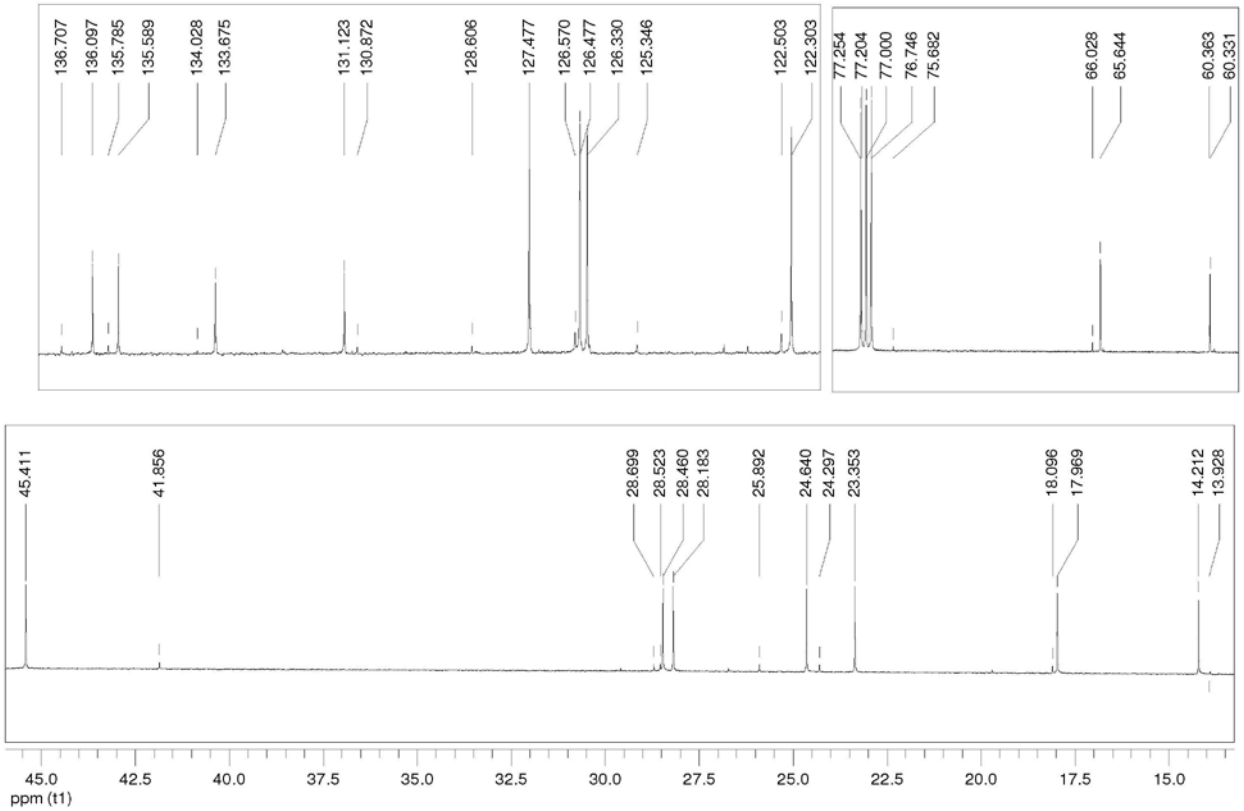

Figure S22. ^{13}C NMR (75 MHz, $CDCl_3$) selected expansions of **3i**.

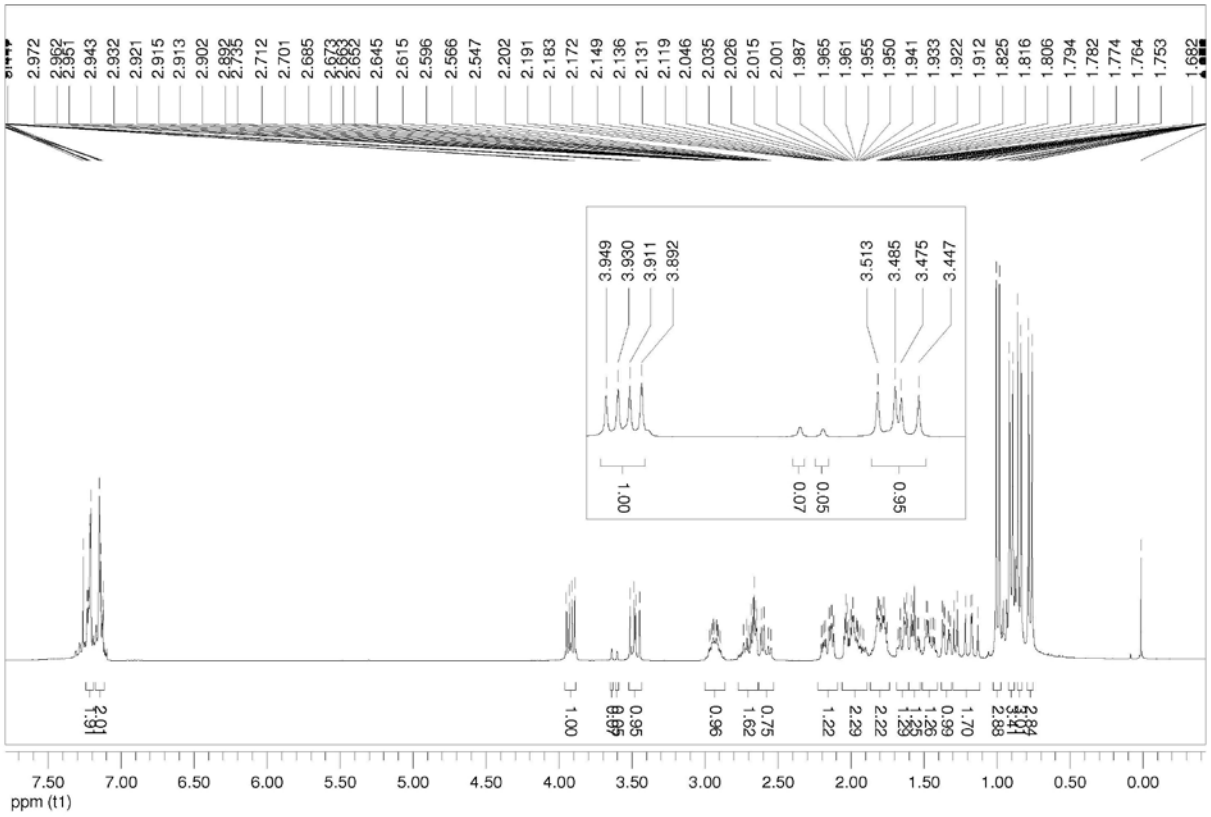

Figure S23. ^{1}H NMR (200 MHz, $CDCl_3$) spectrum of **3j**.

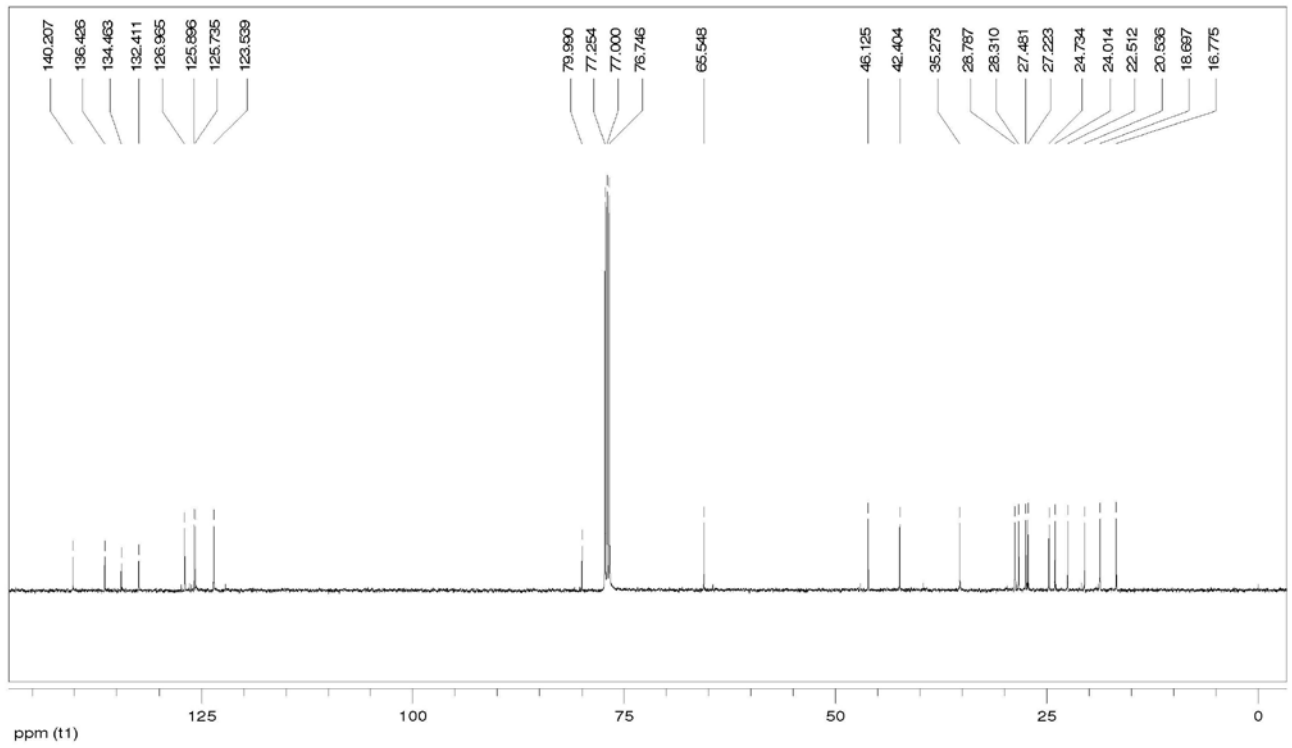

Figure S24. ^{13}C NMR (75 MHz, $CDCl_3$) spectrum of **3j**.

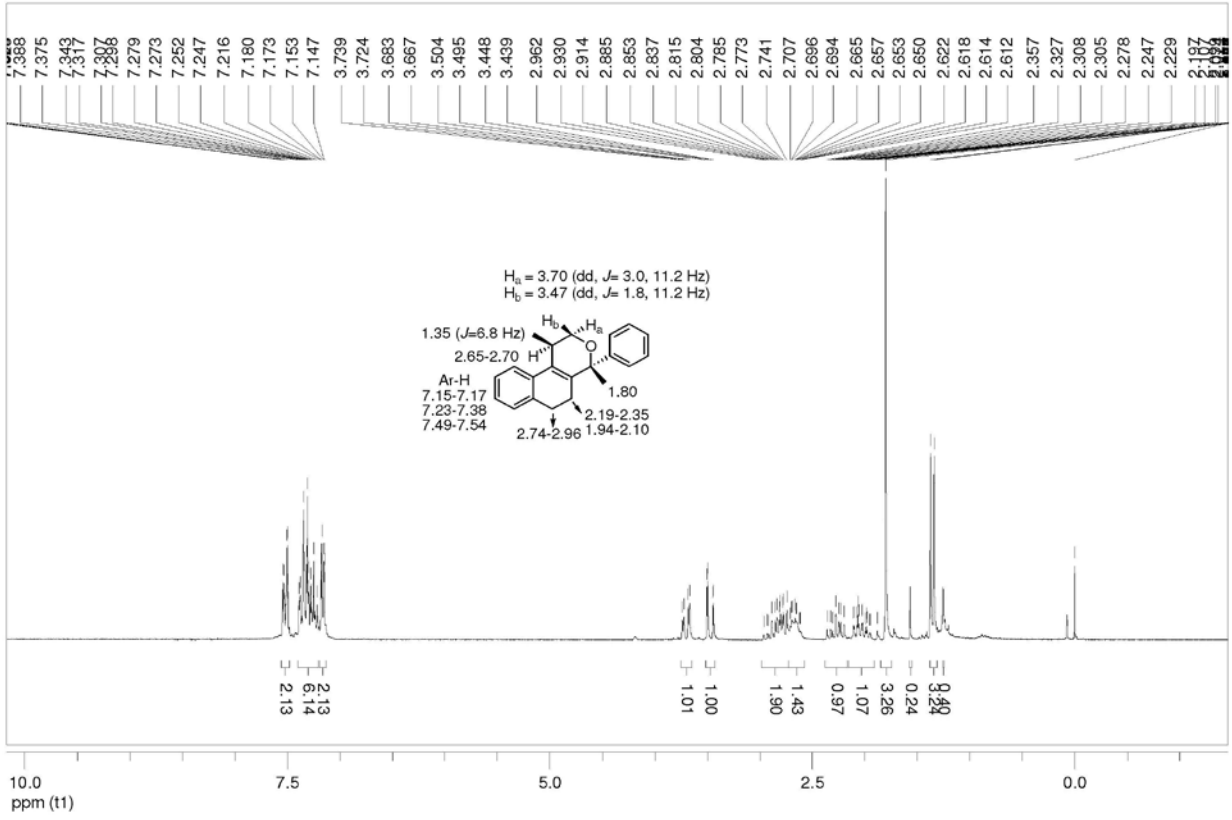

Figure S25. ^{1}H NMR (200 MHz, $CDCl_3$) spectrum of ***cis*-3k**.

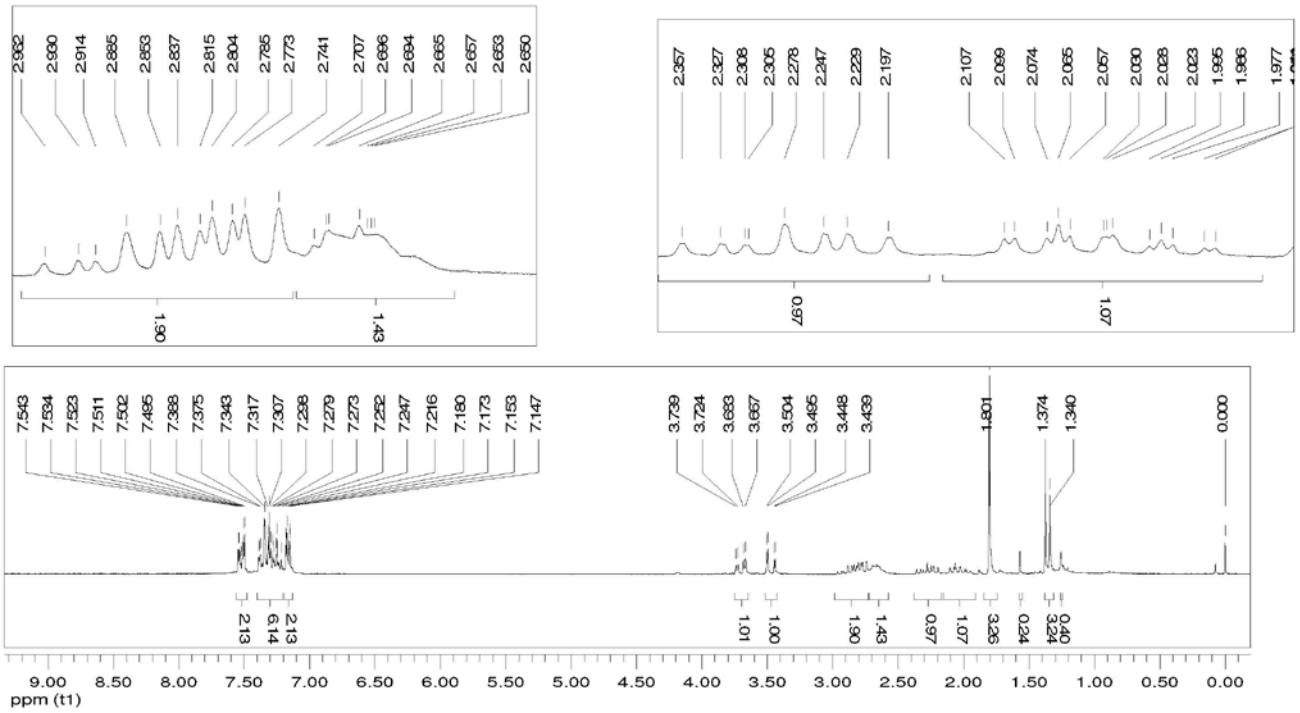

Figure S26. ^{1}H NMR (200 MHz, $CDCl_3$) selected expansion of ***cis*-3k**.

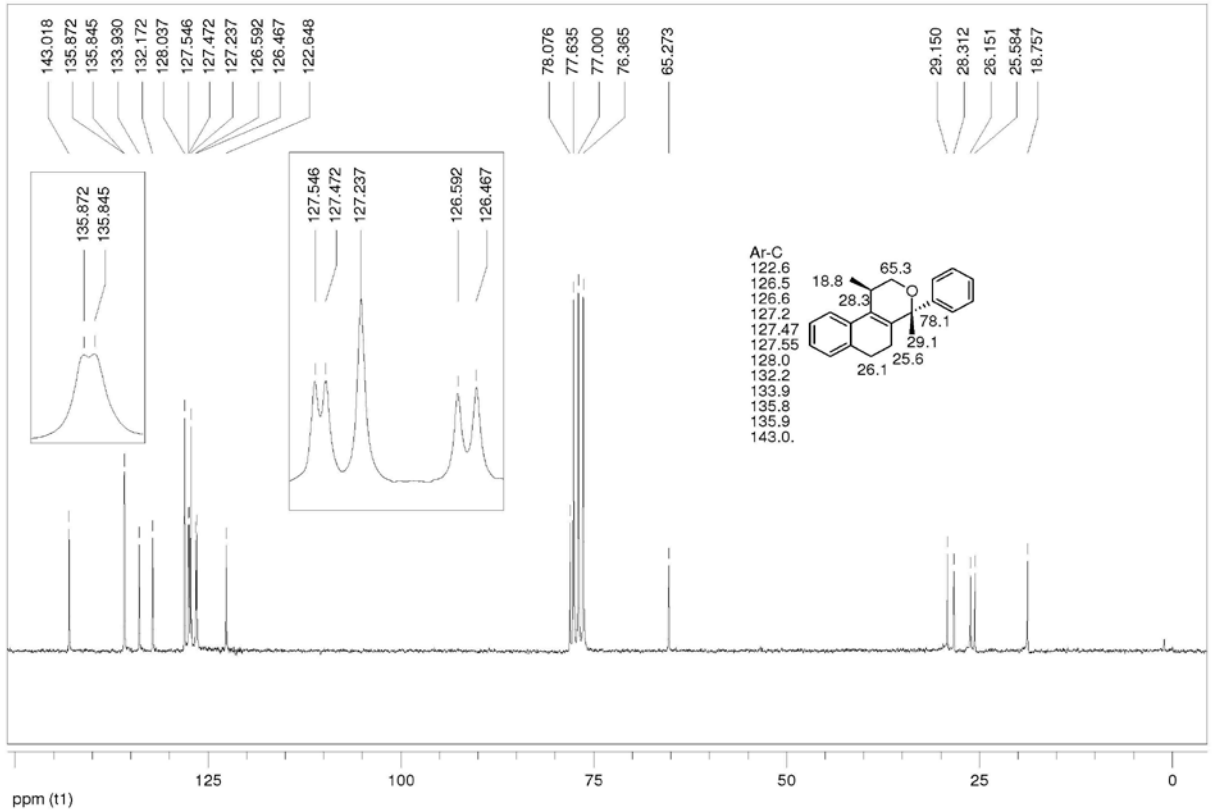

Figure S27. ^{13}C NMR (75 MHz, $CDCl_3$) spectrum of ***cis*-3k**.

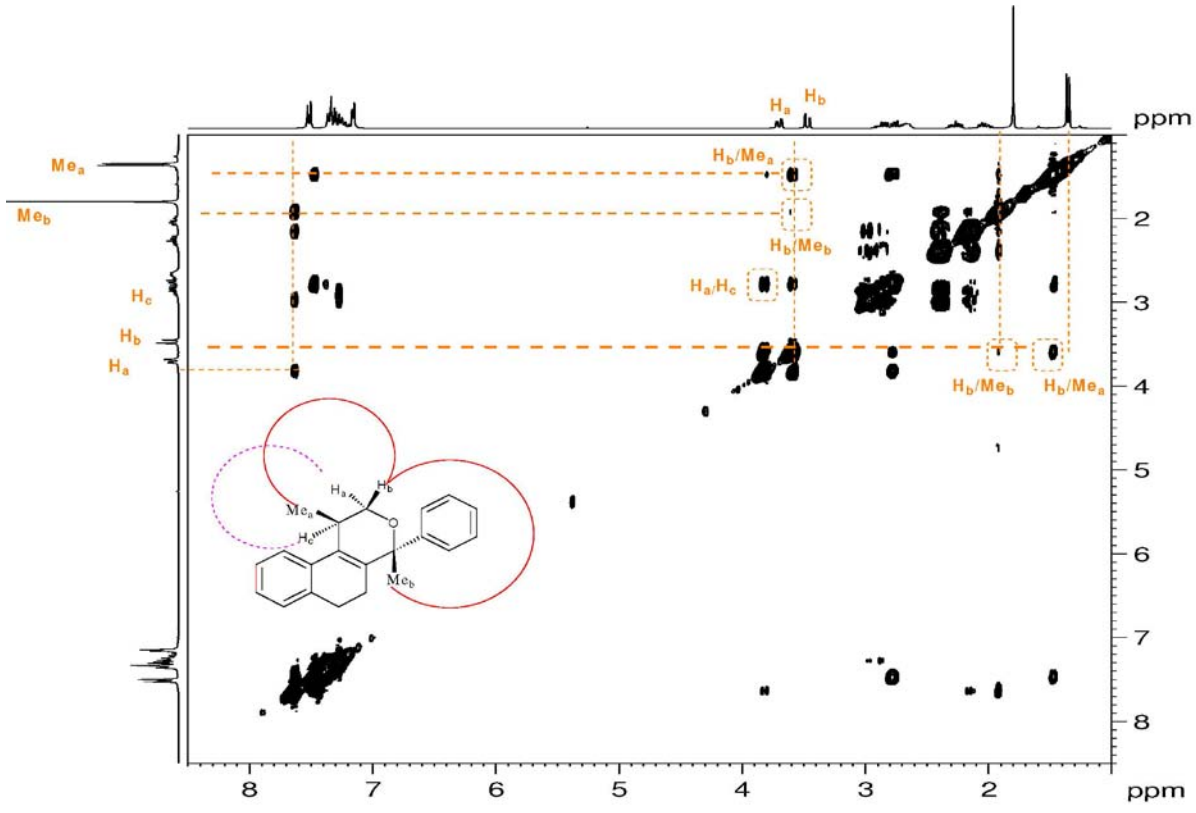

Figure S28. Selected NOESY (300 MHz, $CDCl_3$) correlated spectrum of ***cis*-3k**.

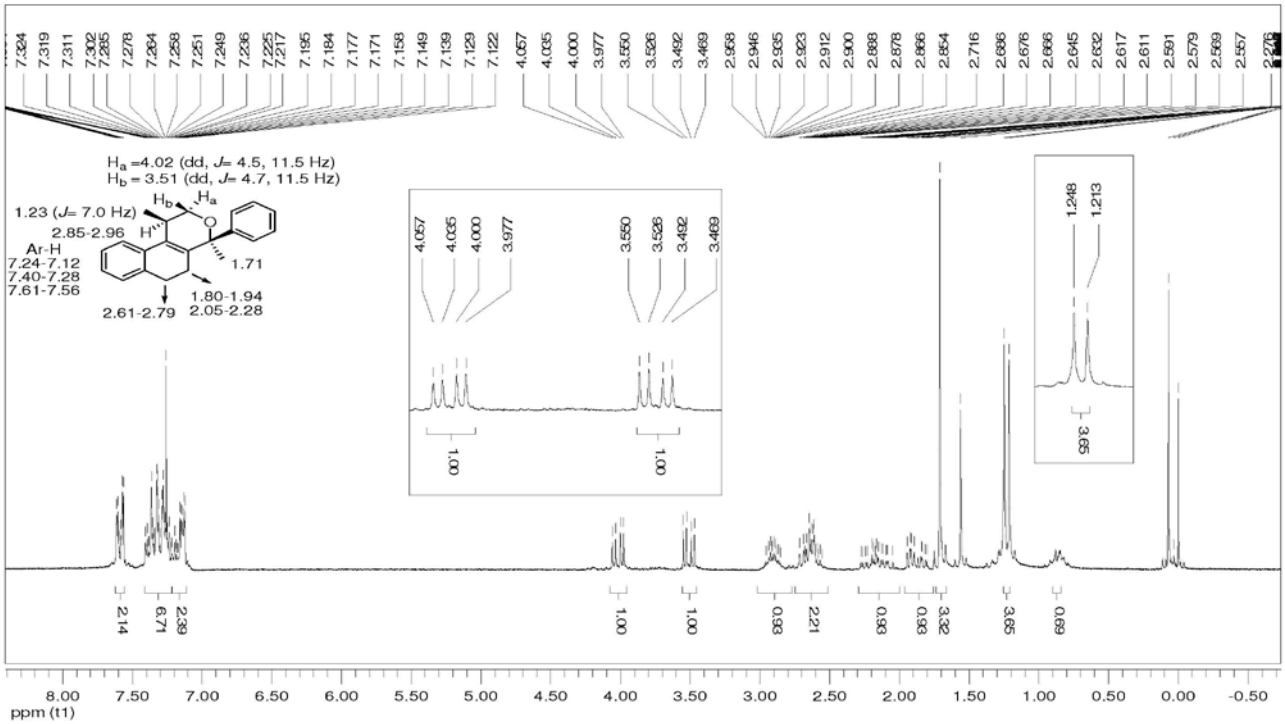

Figure S29. ^{1}H NMR (200 MHz, $CDCl_3$) spectrum of ***trans*-3k**.

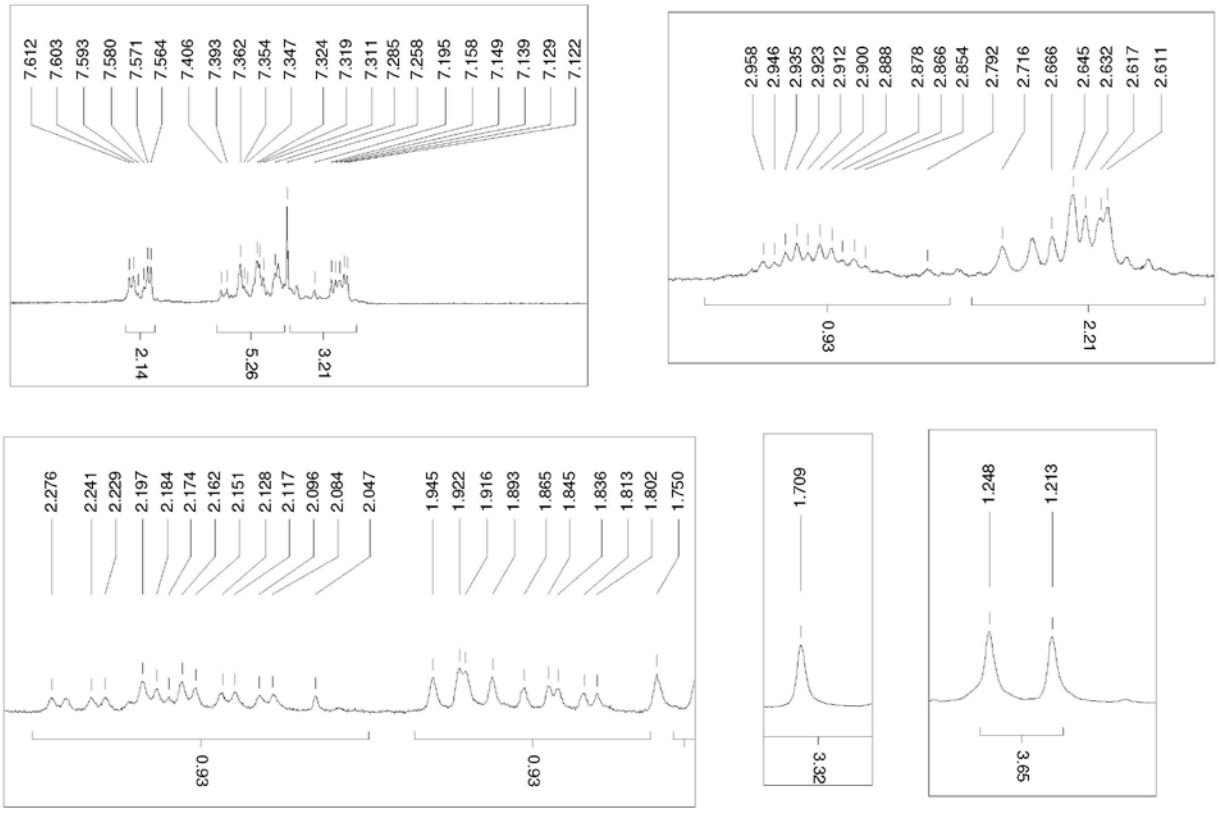

Figure S30. ^{1}H NMR (200 MHz, $CDCl_3$) selected expansion of ***trans*-3k**.

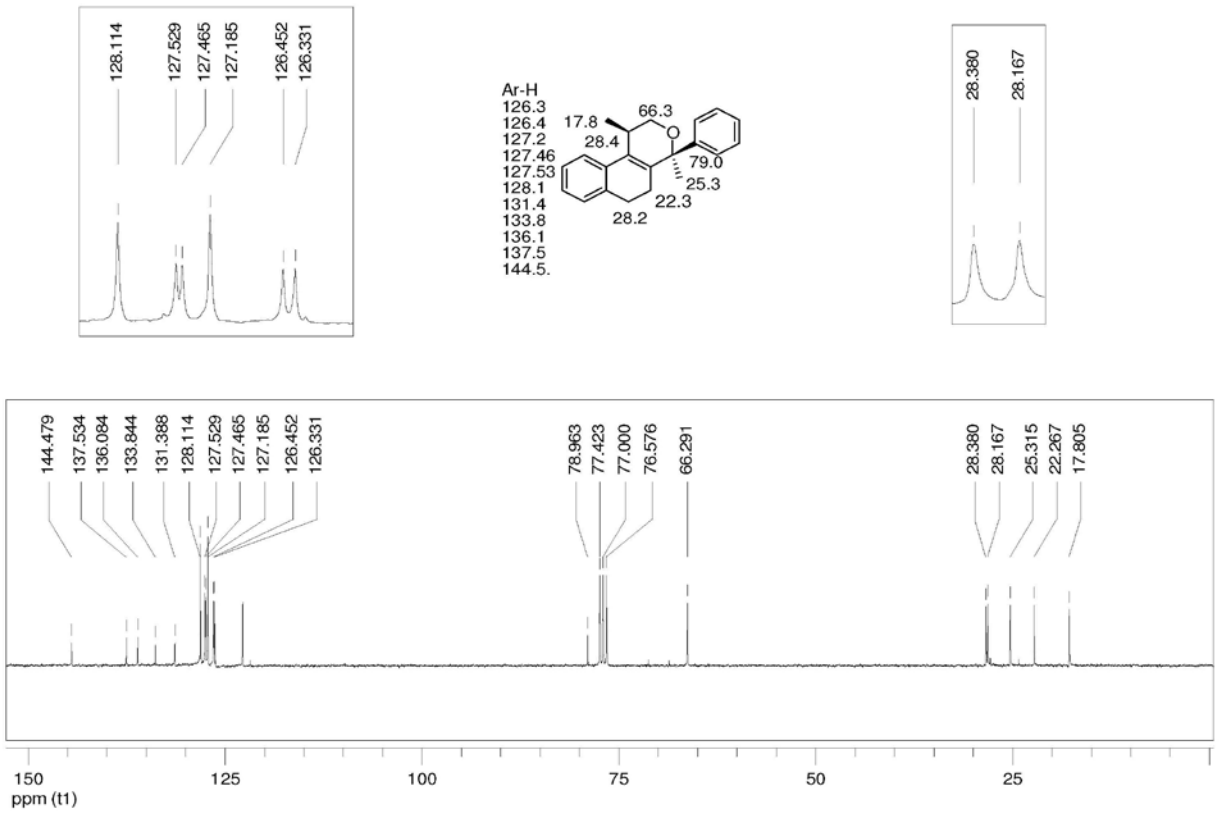

Figure S31. ^{13}C NMR (75 MHz, $CDCl_3$) spectrum of ***trans*-3k**.

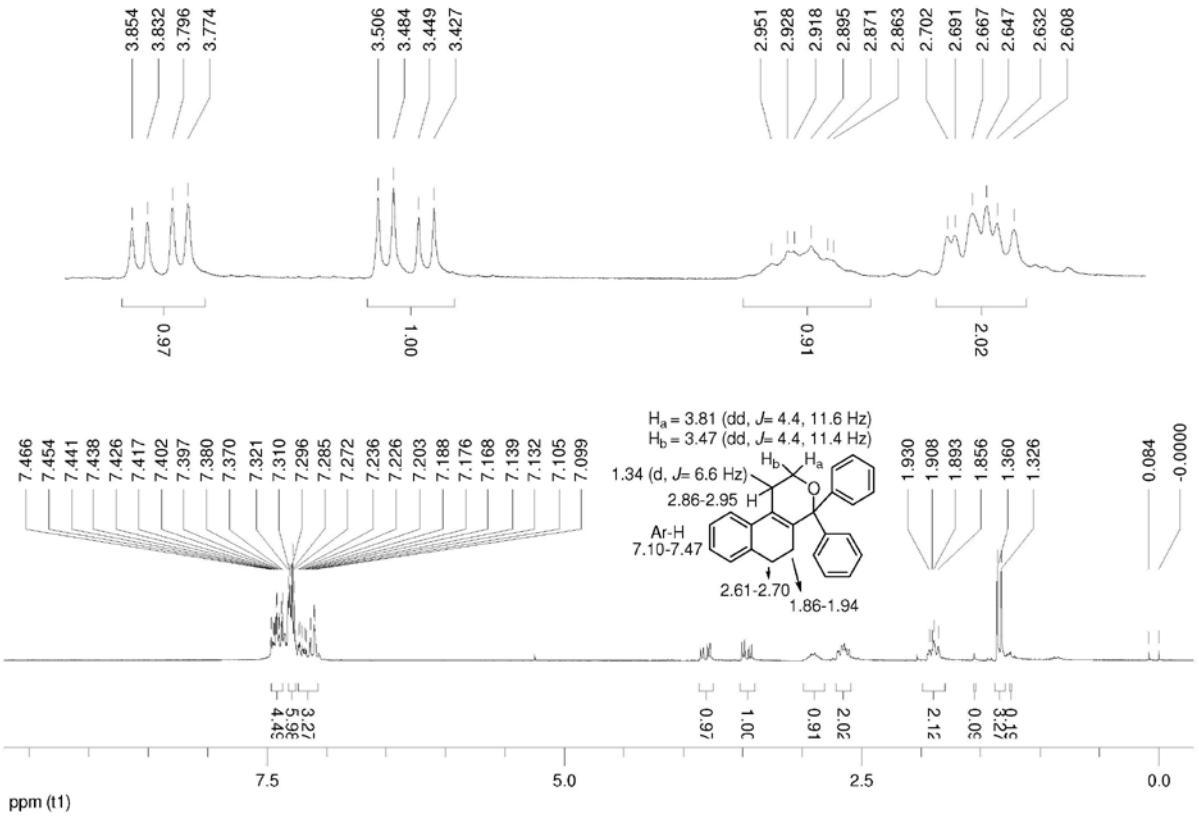

Figure S32. ^{1}H NMR (200 MHz, $CDCl_3$) spectrum of **3l**.

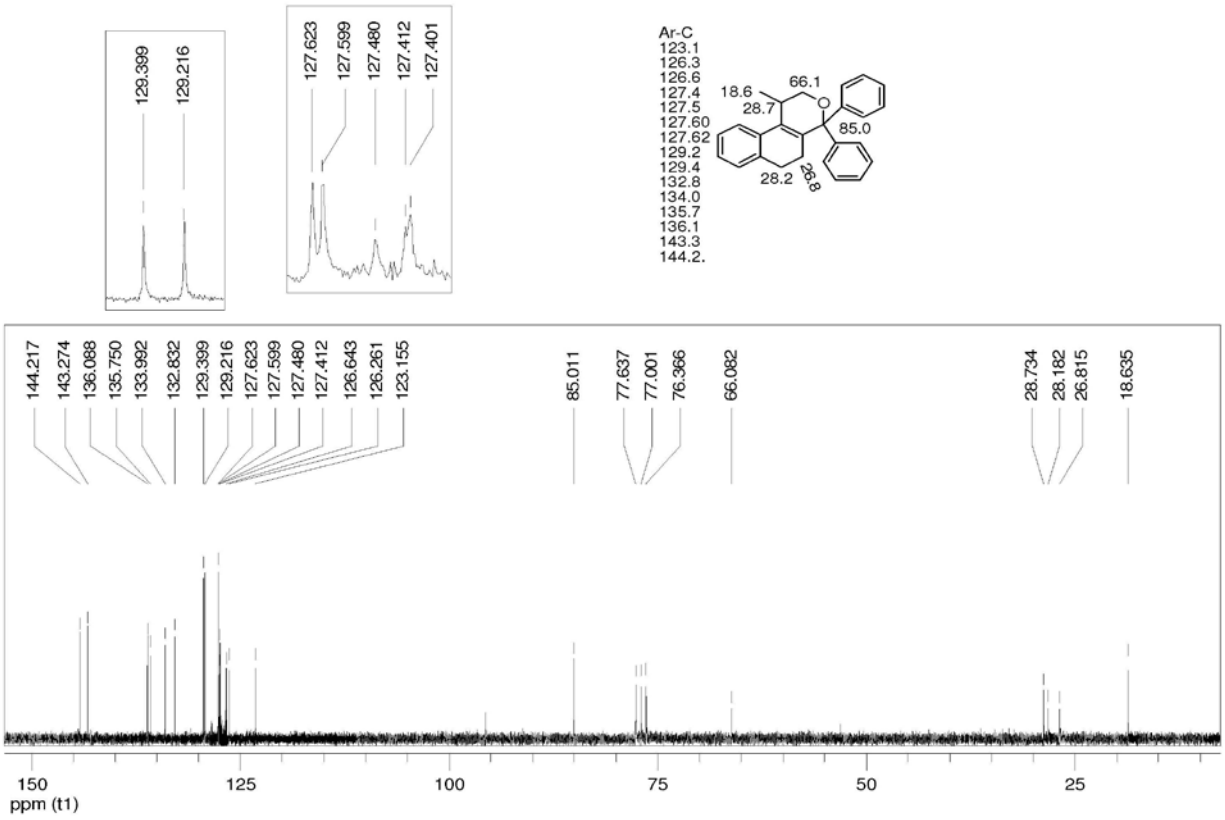

Figure S33. ^{1}H NMR (50 MHz, $CDCl_3$) spectrum of **3l**.

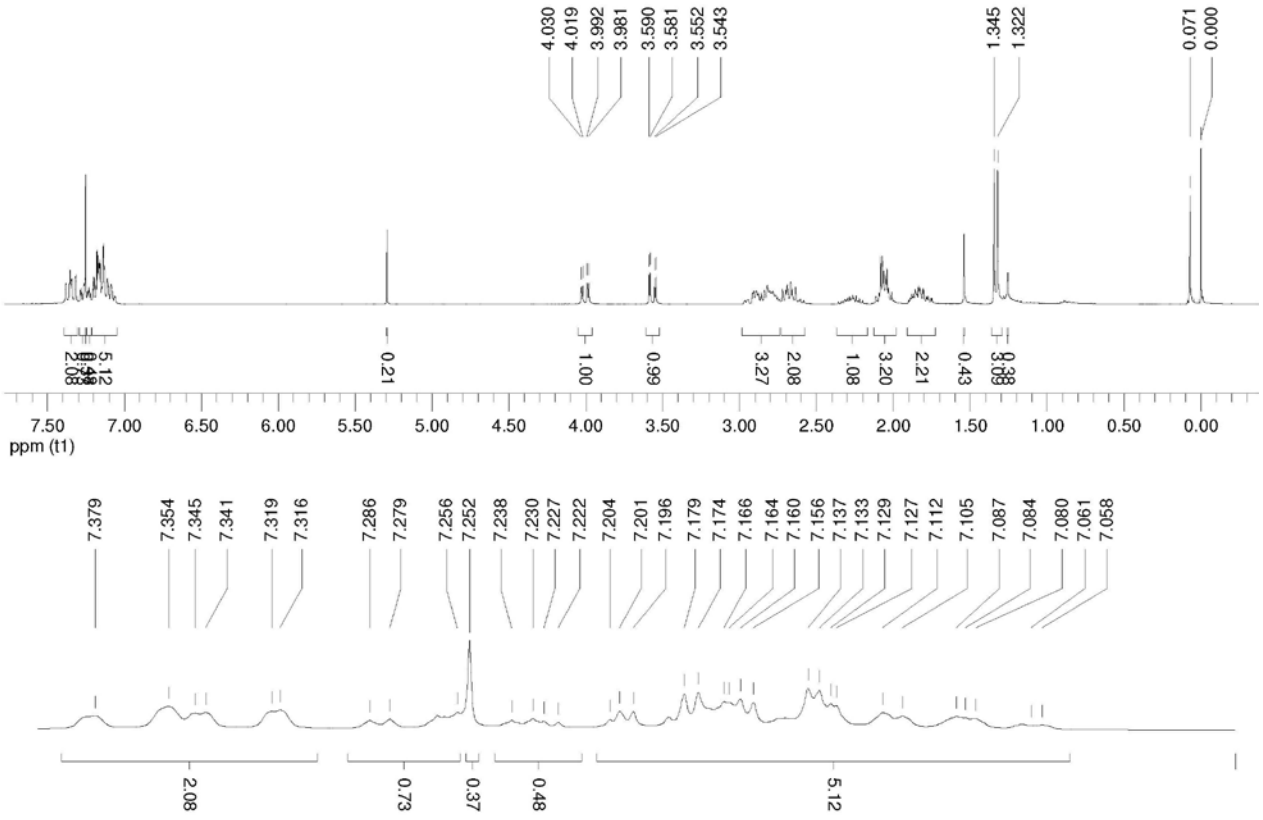

Figure S34. ^{1}H NMR (300 MHz, $CDCl_3$) spectrum of **3m**.

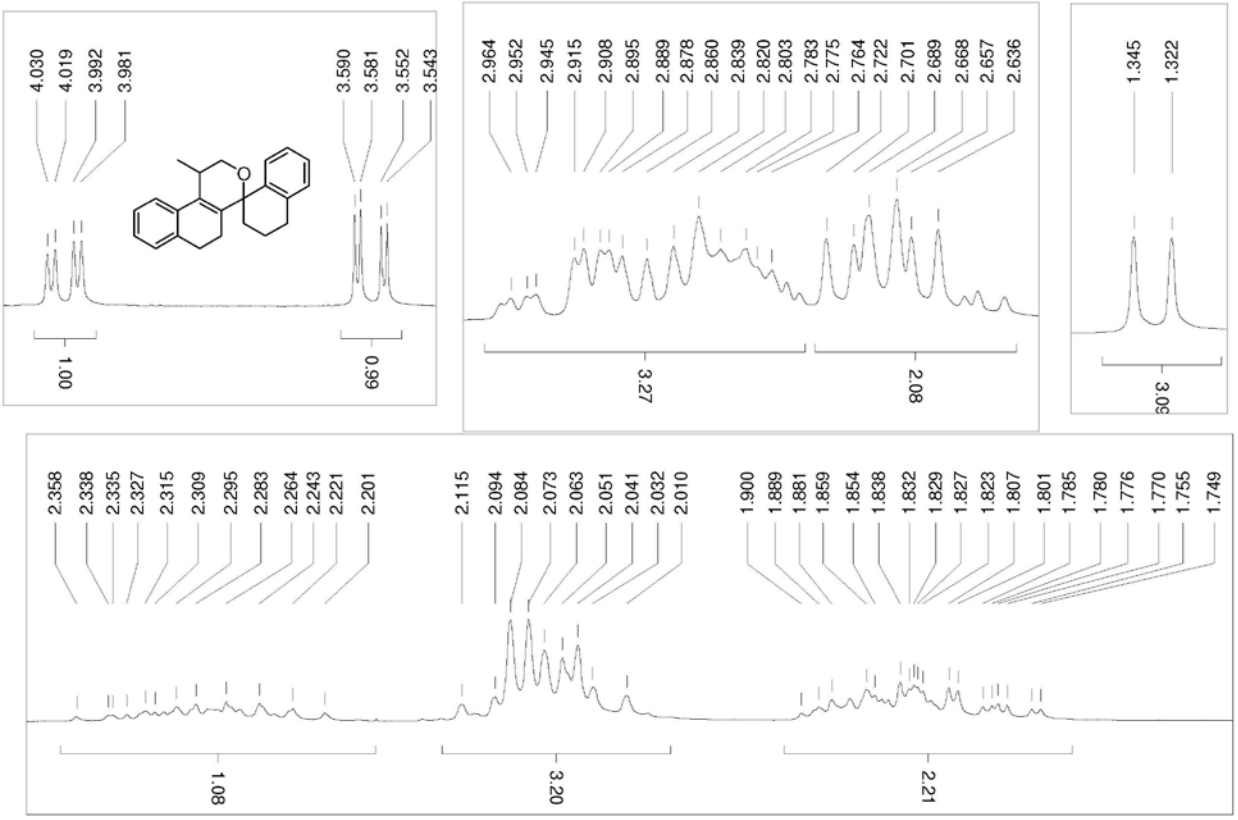

Figure S35. ^{1}H NMR (300 MHz, $CDCl_3$) selected expansion of **3m**.

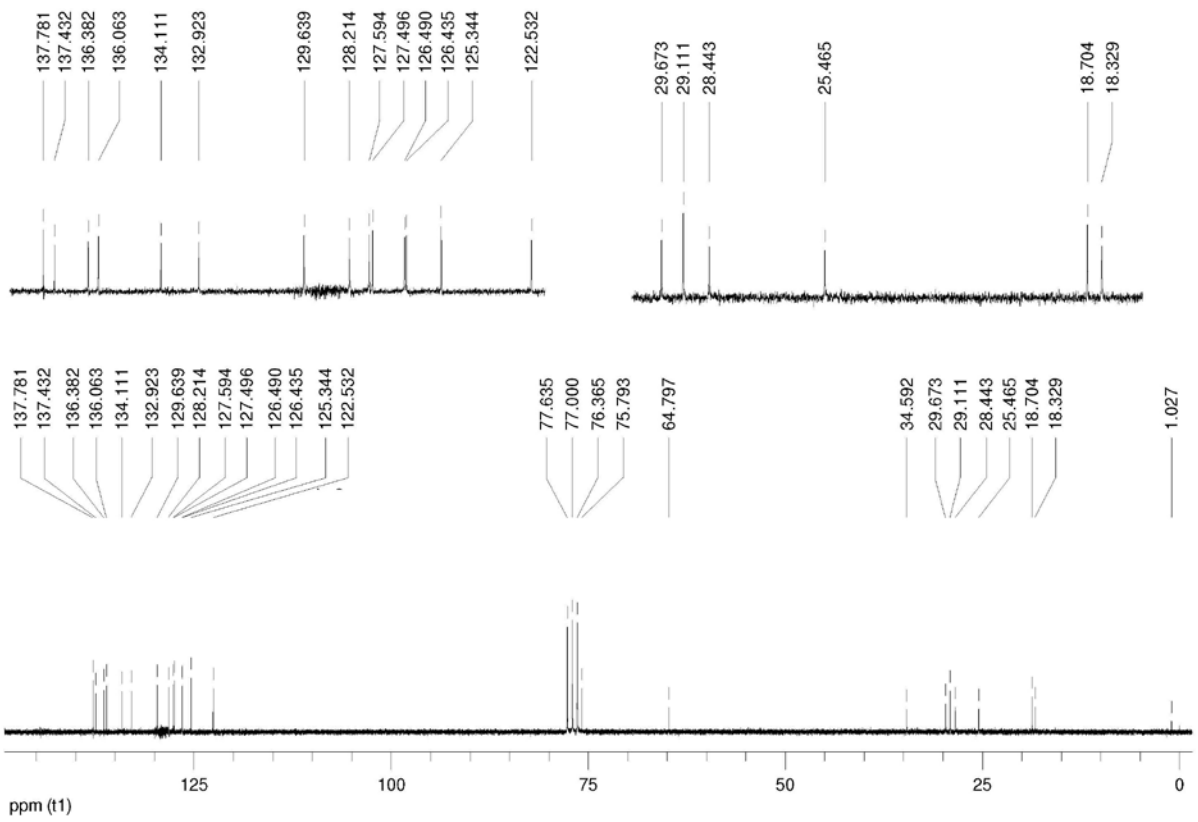

Figure S36. ^{13}C NMR (50 MHz, $CDCl_3$) spectrum of **3m**.

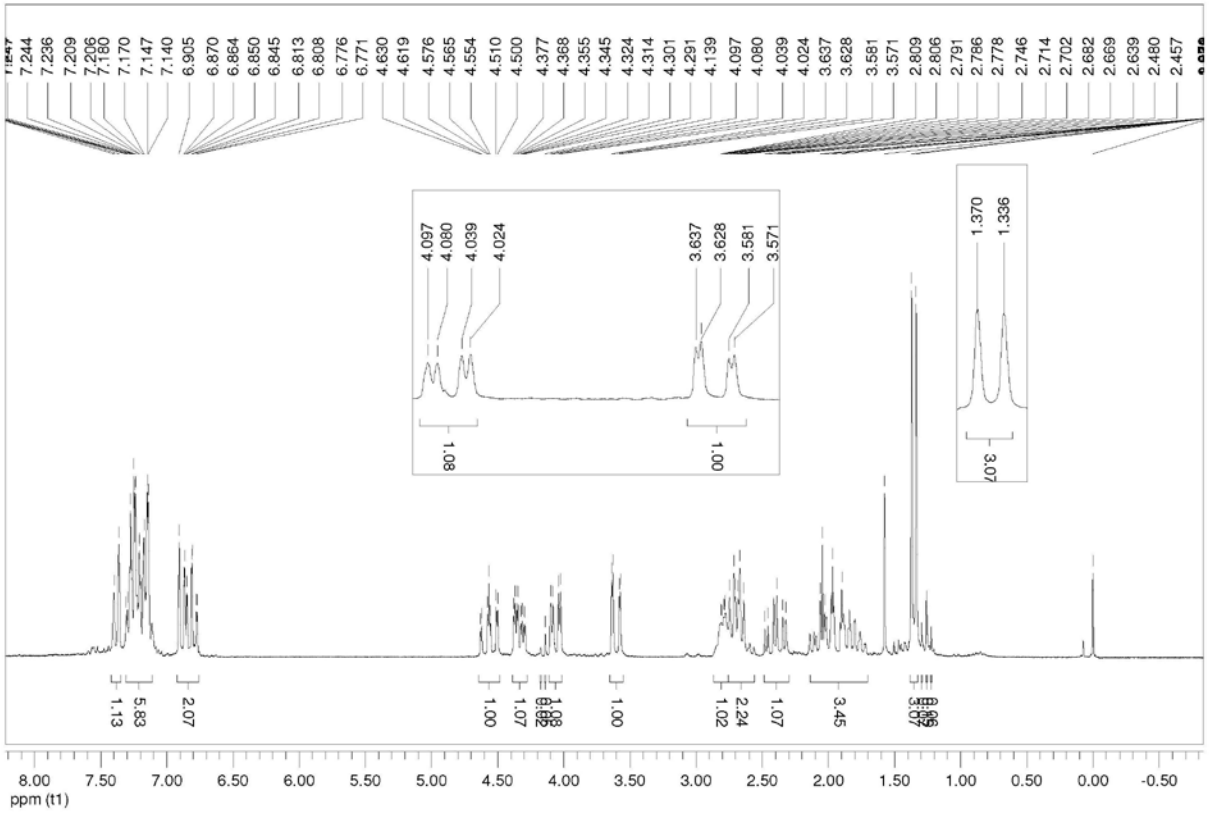

Figure S37. ^{1}H NMR (200 MHz, $CDCl_3$) spectrum of **3n**.

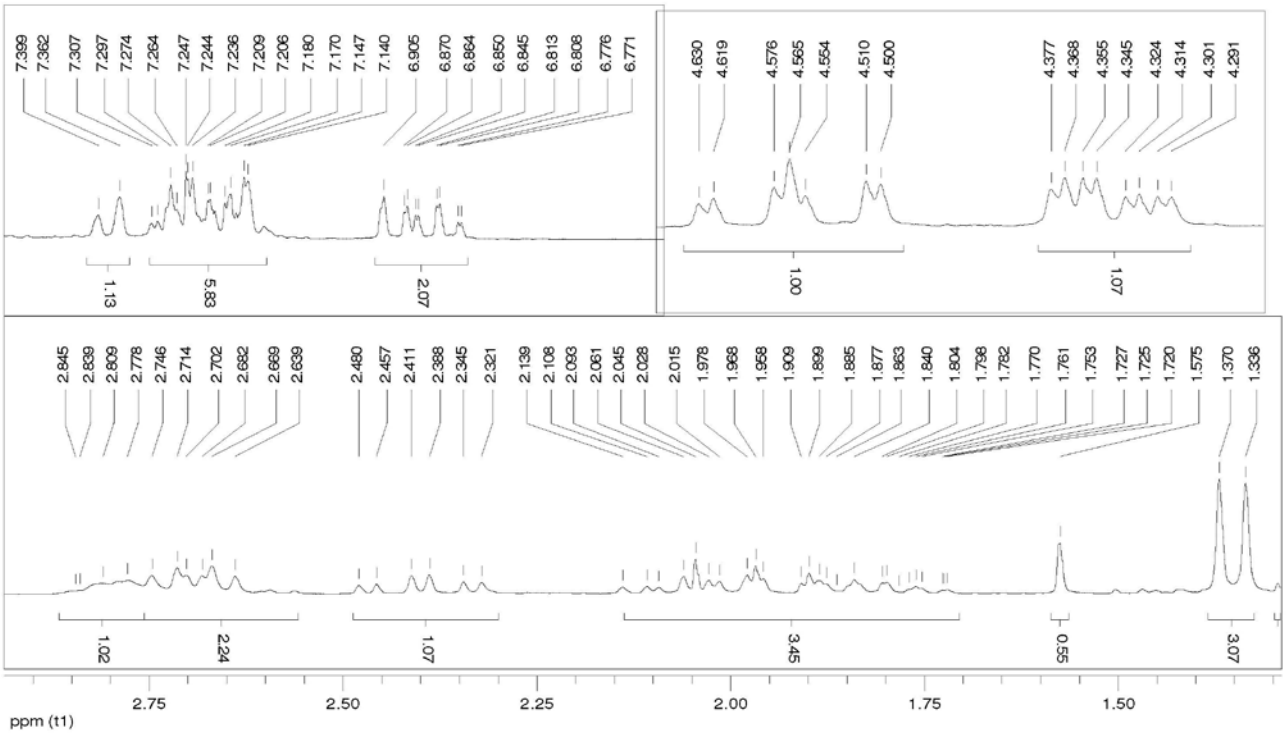

Figure S38. ^{1}H NMR (200 MHz, $CDCl_3$) selected expansions of **3n**.

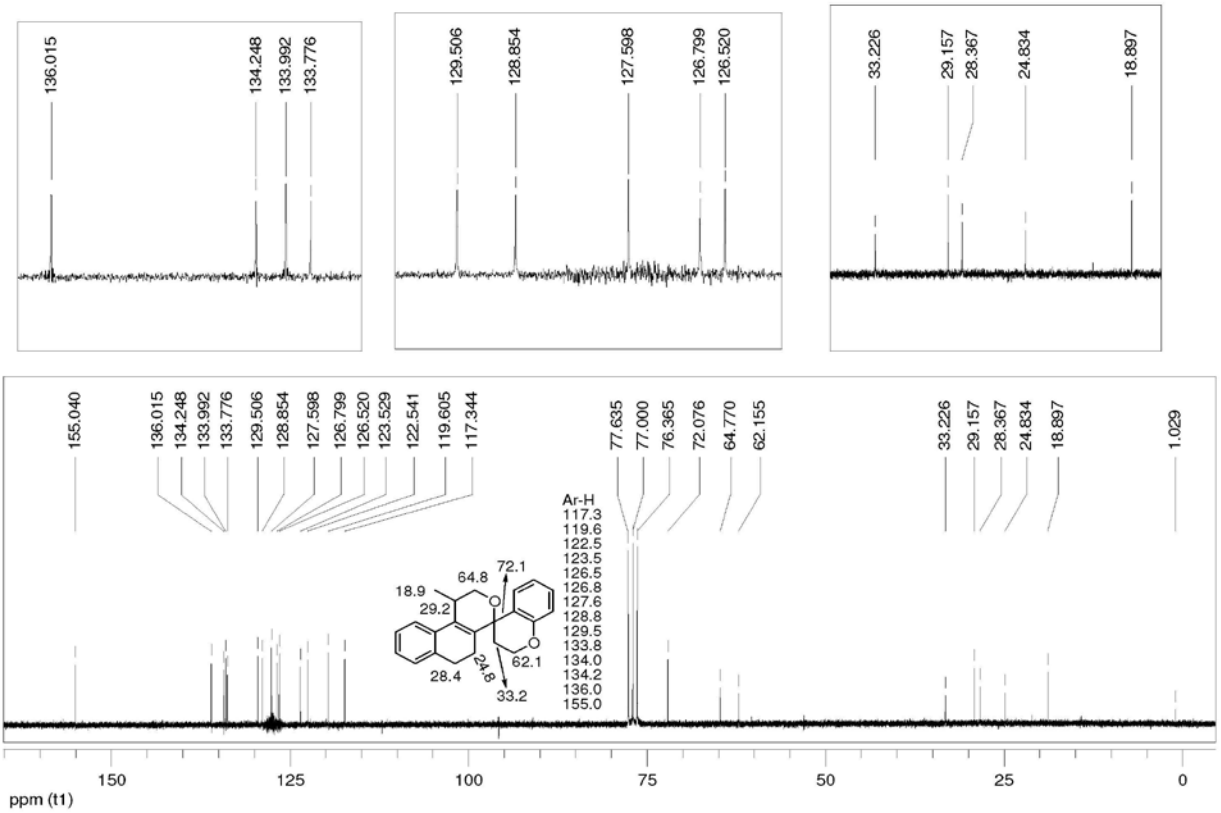

Figure S39. ^{13}C NMR (50 MHz, $CDCl_3$) spectrum of **3n**.

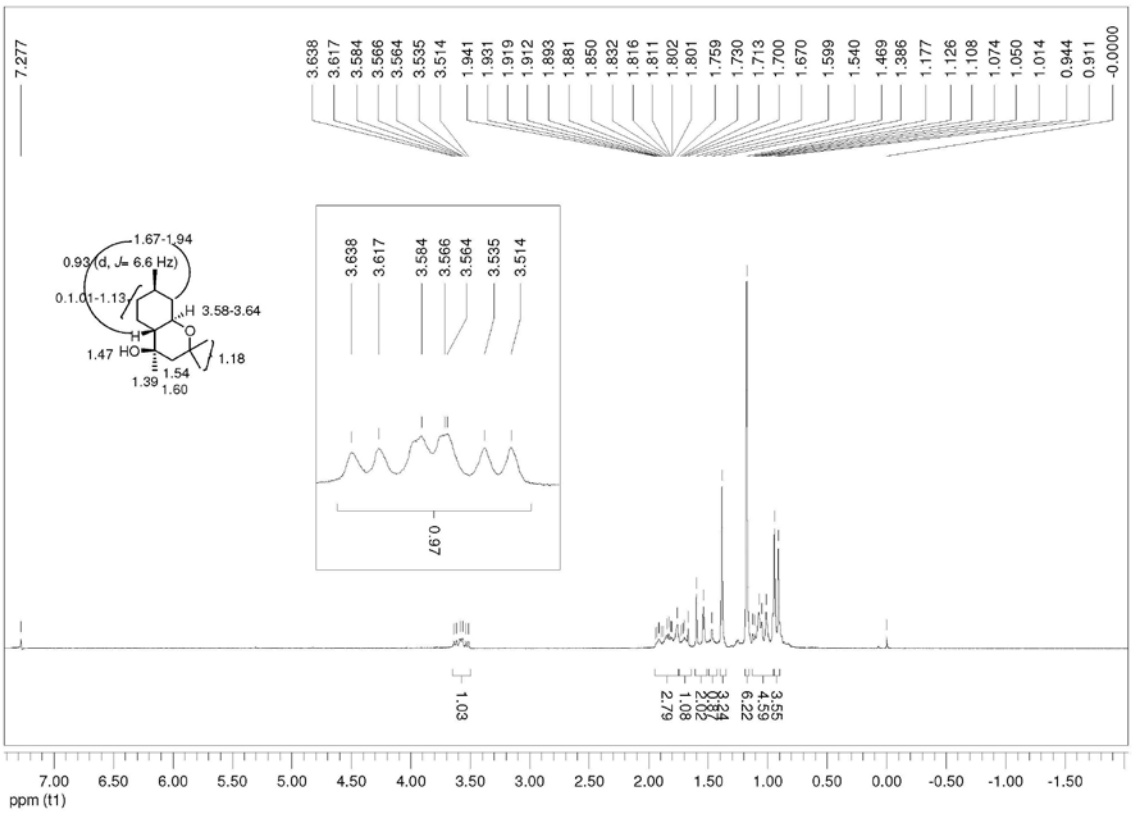

Figure S40. ^{1}H NMR (200 MHz, $CDCl_3$) spectrum of **(+)-5**.

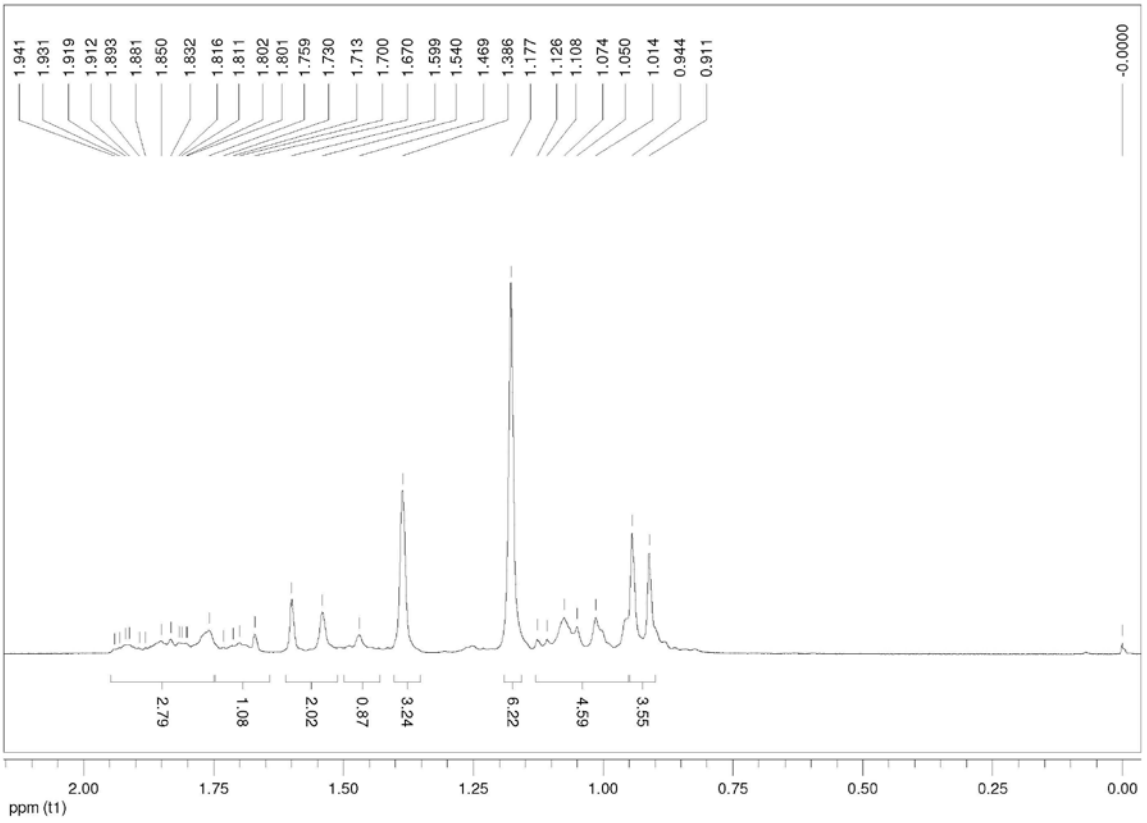

Figure S41. ^{1}H NMR (200 MHz, $CDCl_3$) selected expansions of **(+)-5**.

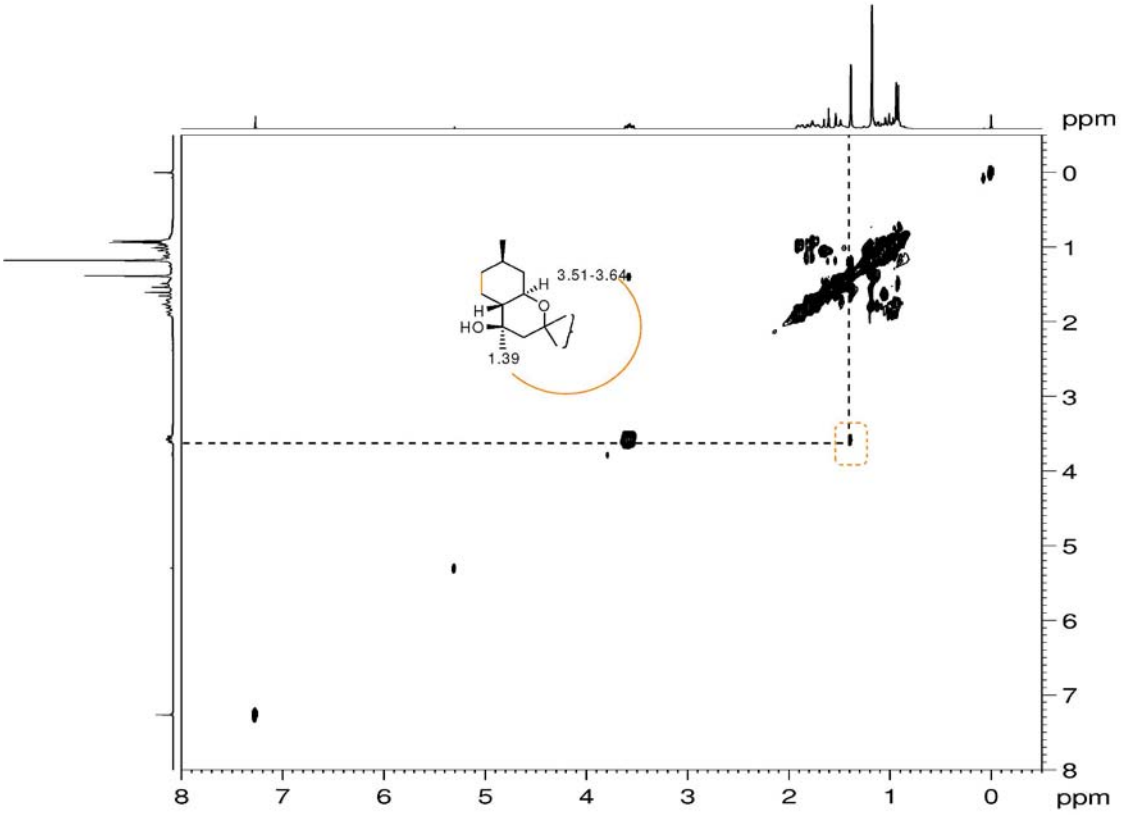

Figure S42. NOESY (300 MHz, $CDCl_3$) correlated spectrum of **(+)-5**.

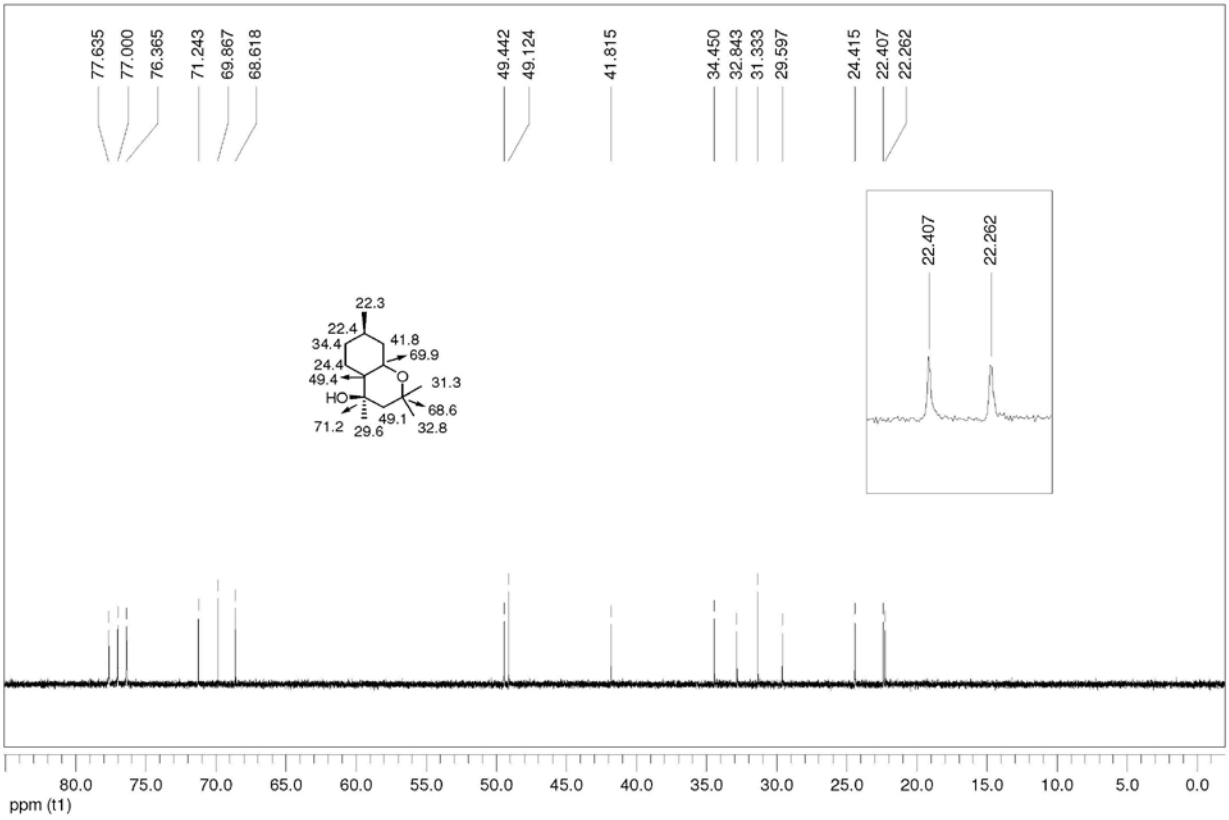

Figure S43. ^{13}C NMR (50 MHz, $CDCl_3$) spectrum of **(+)-5**.