Supporting Information for

Nickel Catalyzed Acceptorless Dehydrogenative Approach to Quinolines

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Fig S1. ^{1}H NMR spectrum of compound **3aa** (400 MHz,$CDCl_3$).

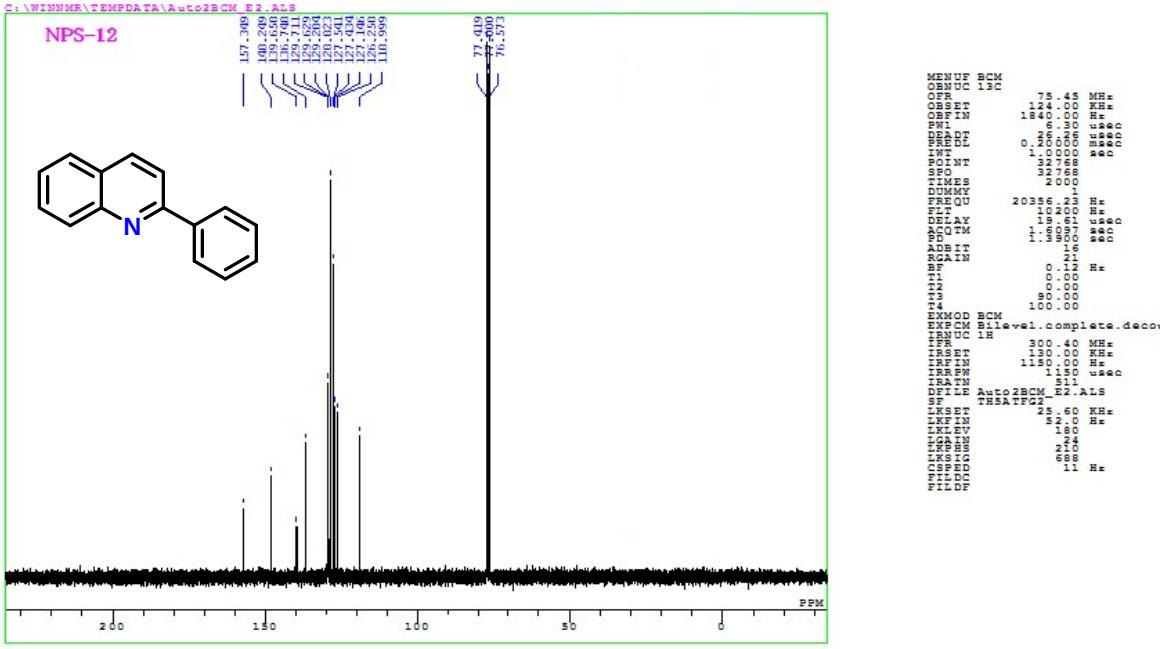


Fig S2. ^{13}C NMR spectrum of compound **3aa** (100 MHz,$CDCl_3$).

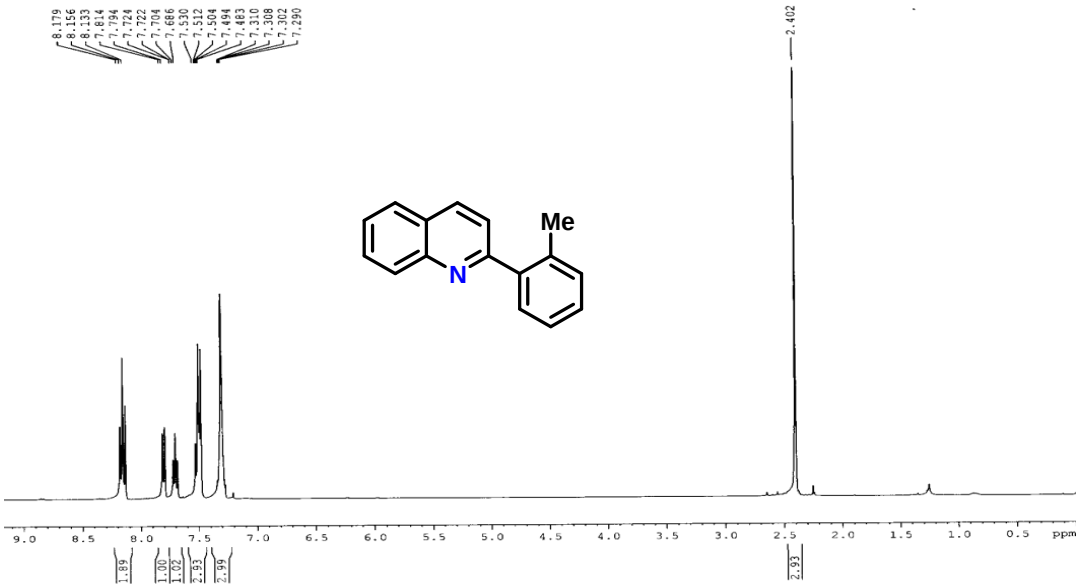


Fig S3. ^{1}H NMR spectrum of compound **3ab** (400 MHz,$CDCl_3$).

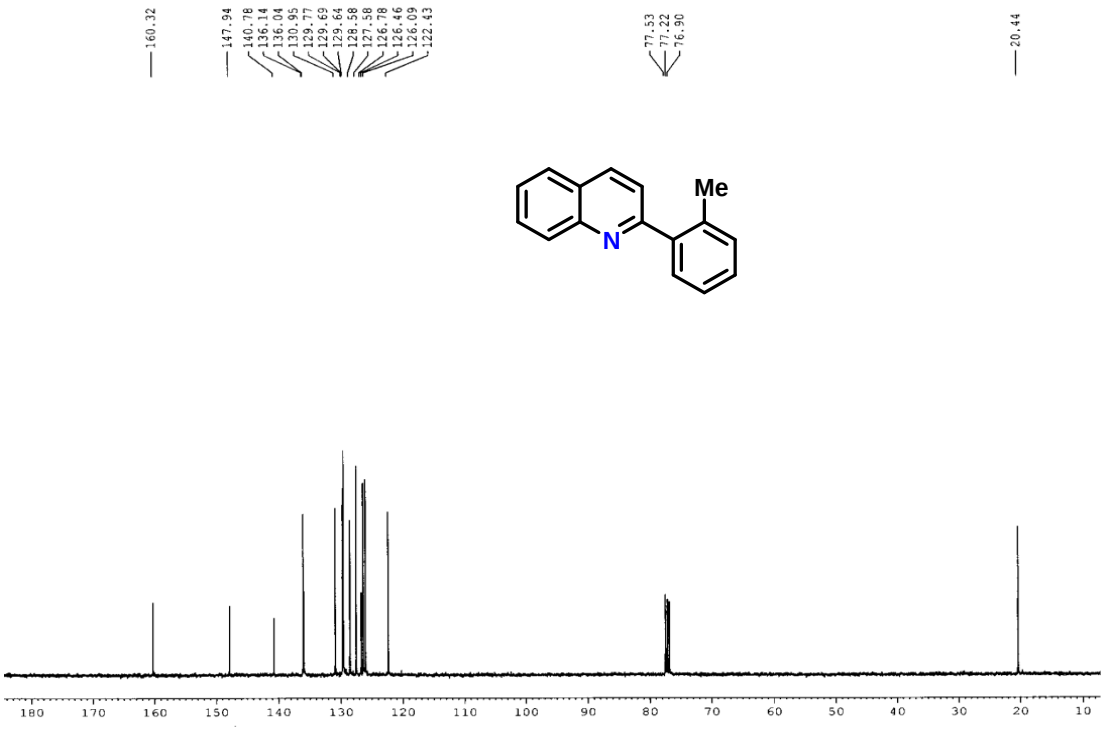


Fig S4. ^{13}C NMR spectrum of compound **3ab** (100 MHz,$CDCl_3$).

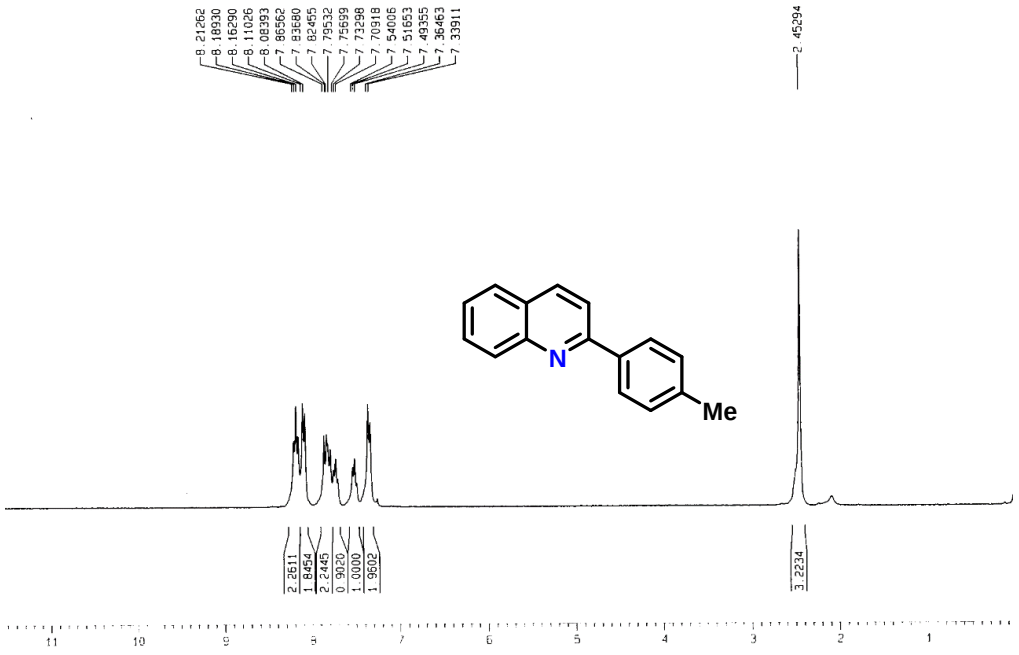


Fig S5. ^{1}H NMR spectrum of compound **3ac** (400 MHz,$CDCl_3$).

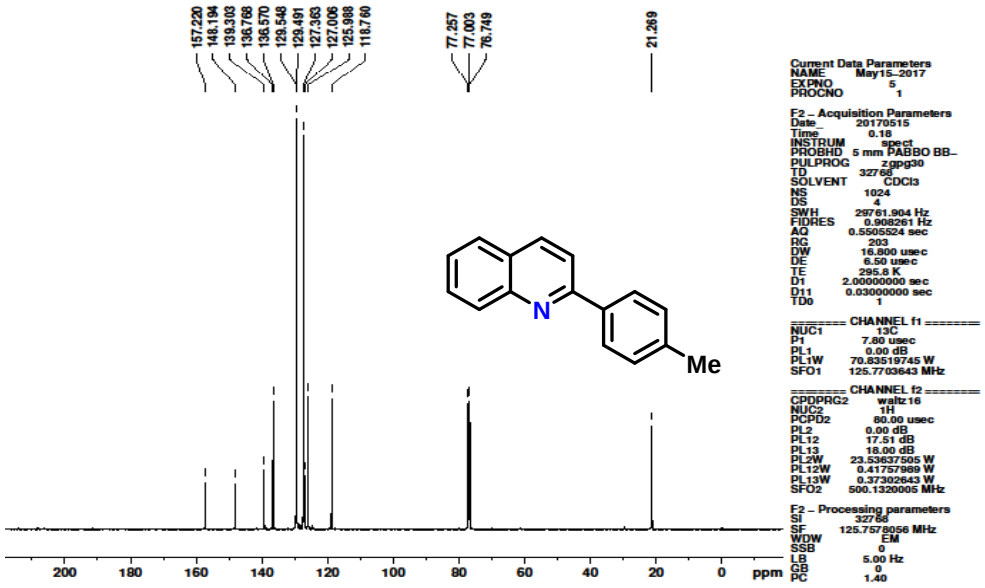


Fig S6. ^{13}C NMR spectrum of compound **3ac** (125 MHz,$CDCl_3$).

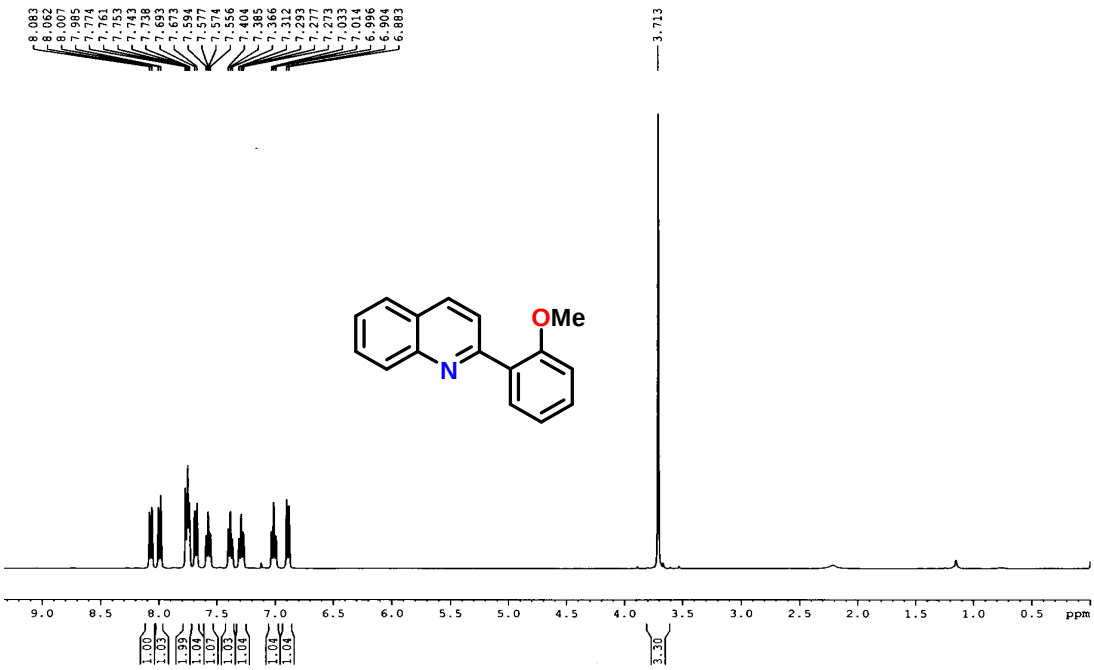


Fig S7. ^{1}H NMR spectrum of compound **3ad** (400 MHz,$CDCl_3$).

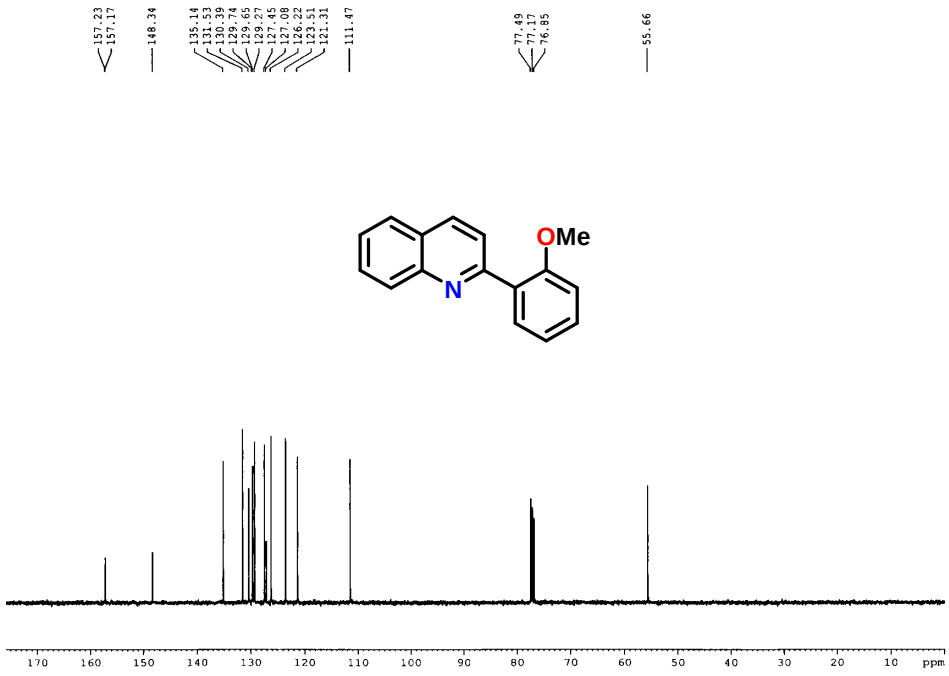


Fig S8. ^{13}C NMR spectrum of compound **3ad** (100 MHz,$CDCl_3$).

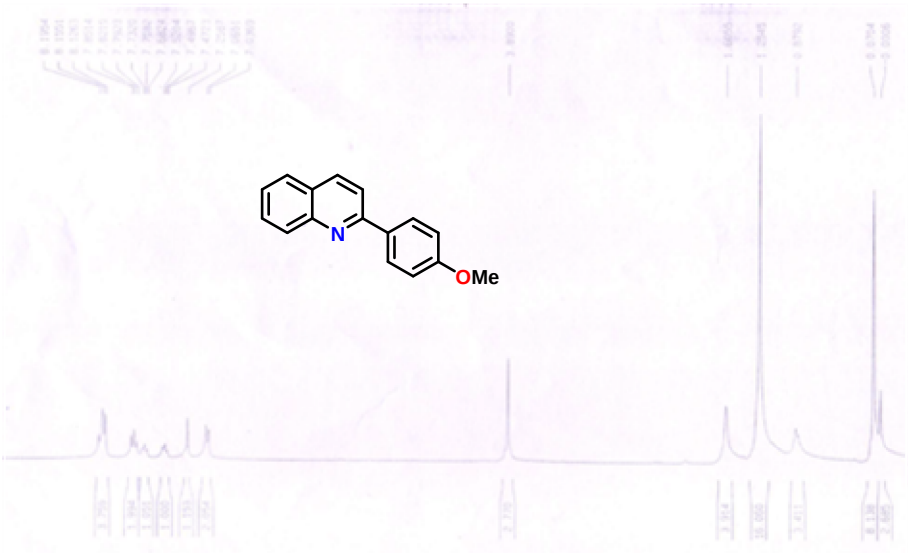


Fig S9. ^{1}H NMR spectrum of compound **3ae** (300 MHz,$CDCl_3$).

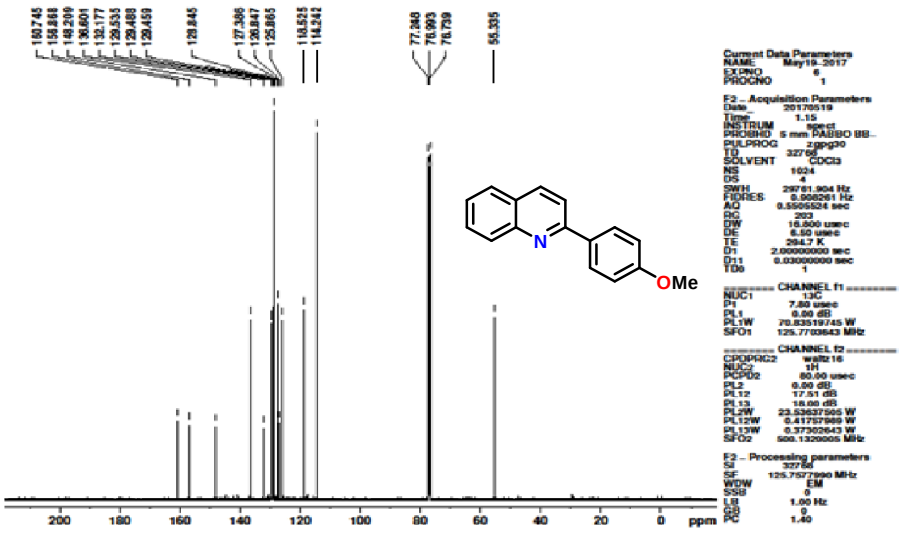


Fig S10. ^{13}C NMR spectrum of compound **3ae** (125 MHz,$CDCl_3$).

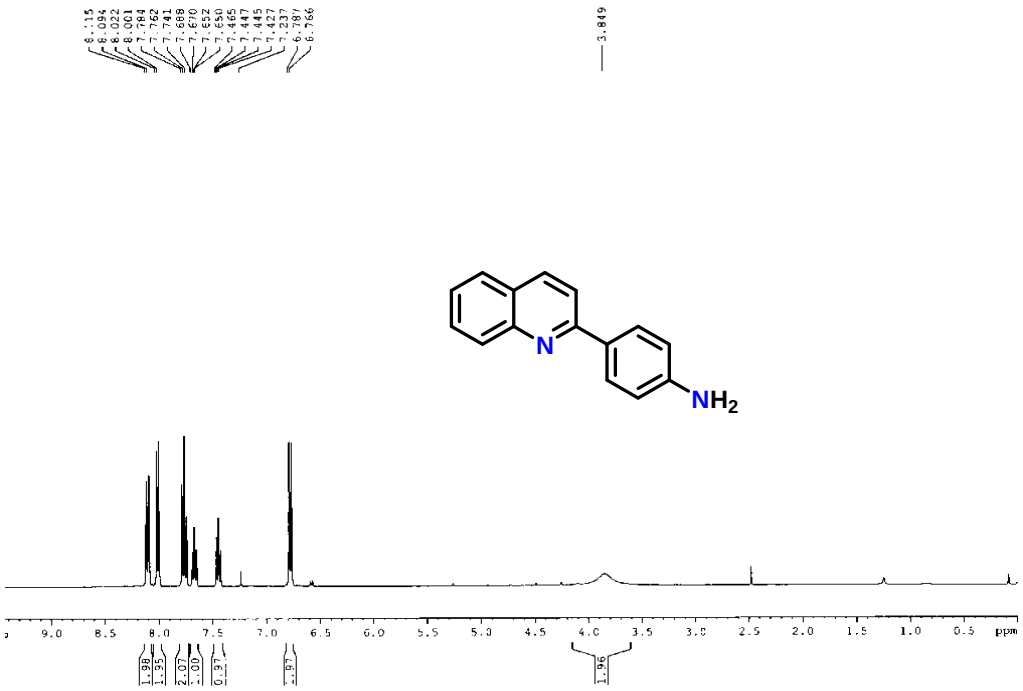


Fig S11. ^{1}H NMR spectrum of compound **3af** (400 MHz,$CDCl_3$).

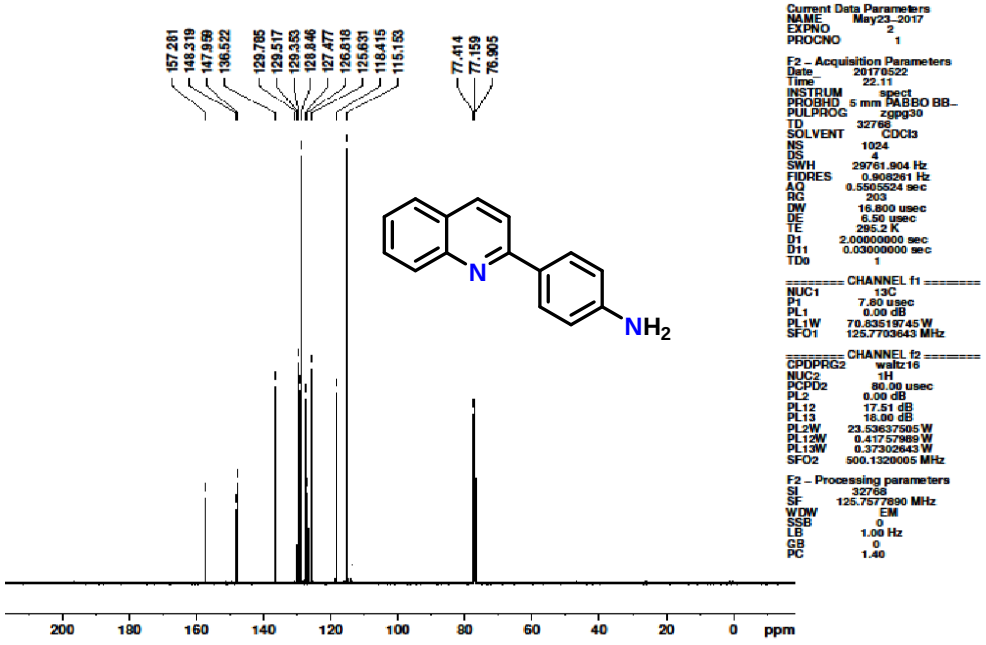


Fig S12. ^{13}C NMR spectrum of compound **3af** (125 MHz,$CDCl_3$).

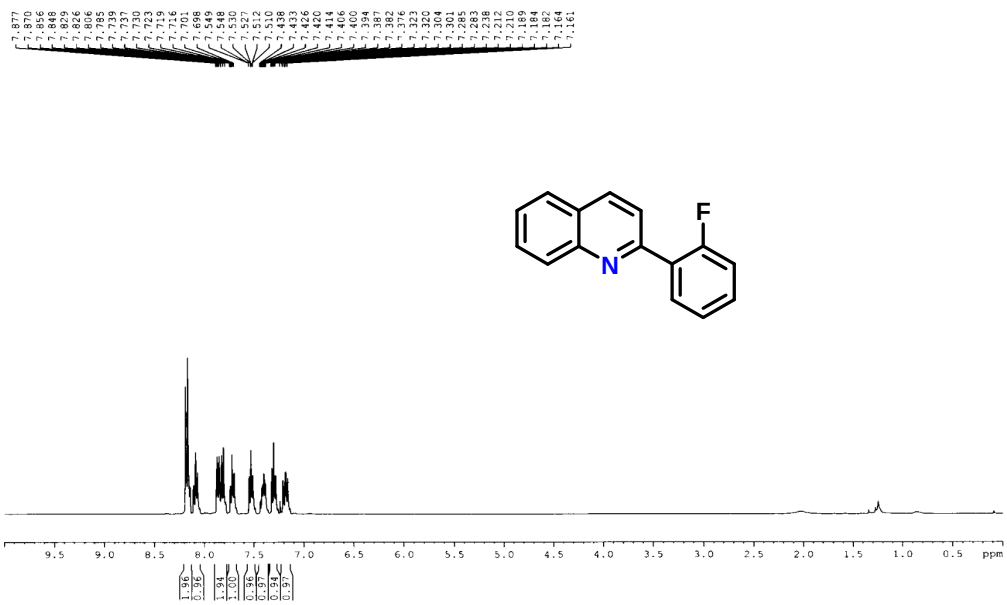


Fig S13. ^{1}H NMR spectrum of compound **3ag** (400 MHz,$CDCl_3$).

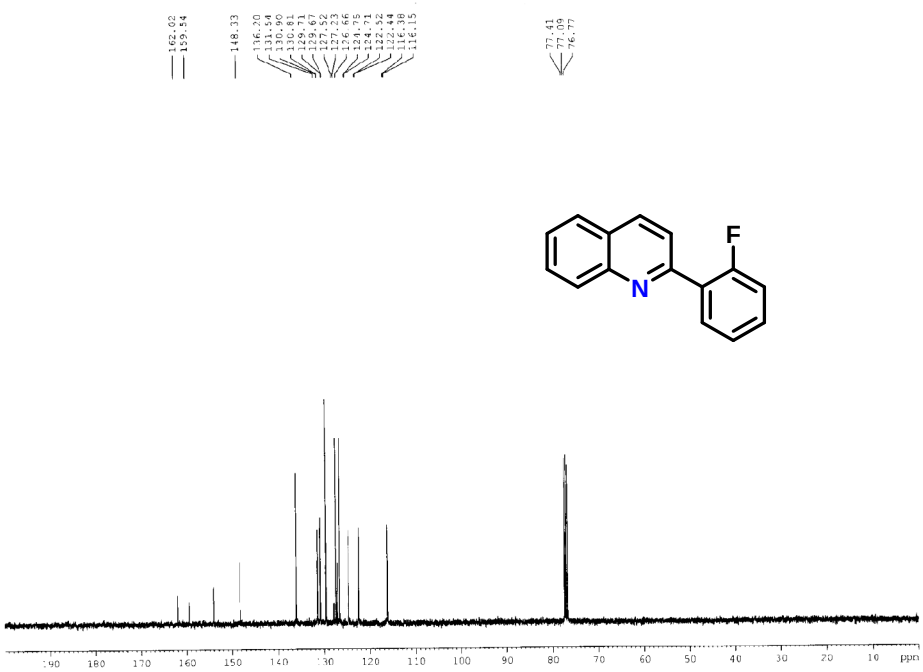


Fig S14. ^{13}C NMR spectrum of compound **3ag** (100 MHz,$CDCl_3$).

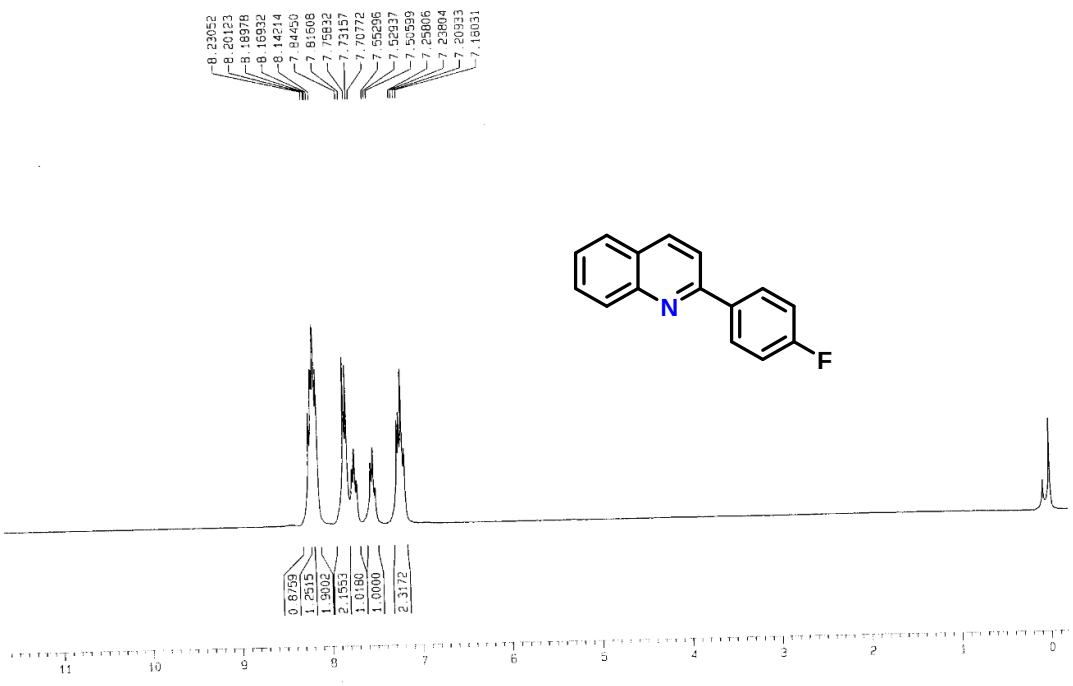


Fig S15. ^{1}H NMR spectrum of compound **3ah** (400 MHz,$CDCl_3$).

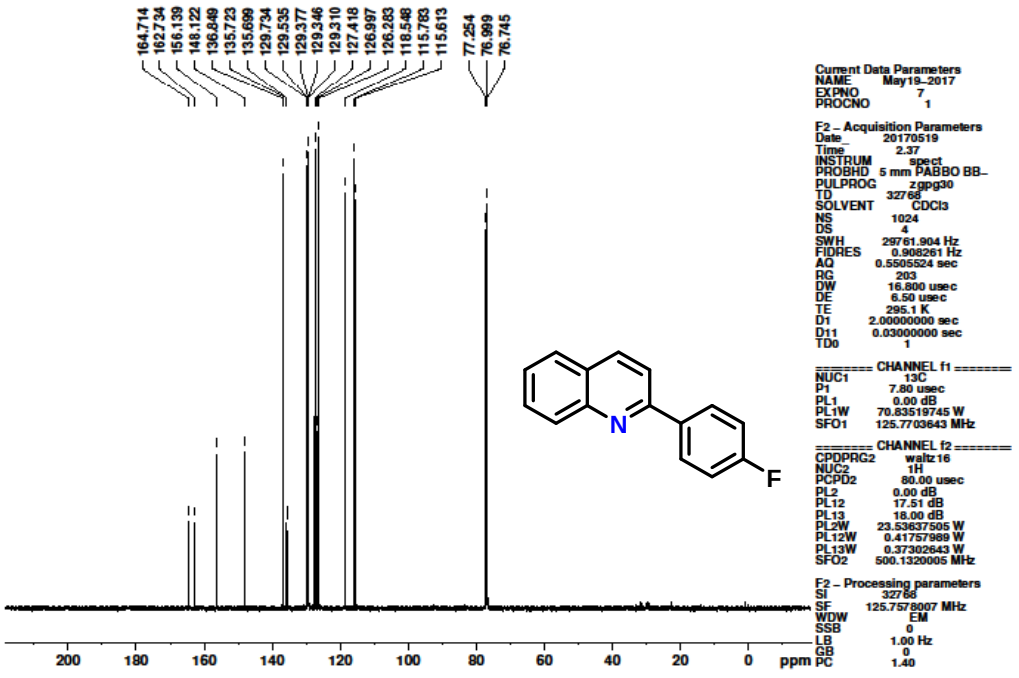


Fig S16. ^{13}C NMR spectrum of compound **3ah** (125 MHz,$CDCl_3$).

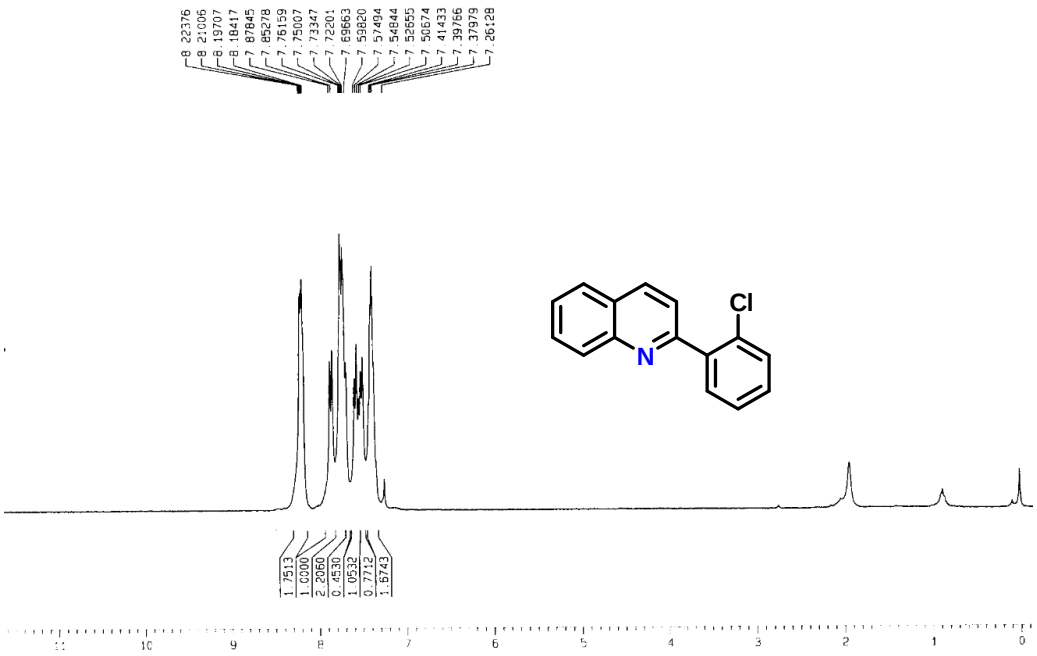


Fig S17. ^{1}H NMR spectrum of compound **3ai** (400 MHz,$CDCl_3$).

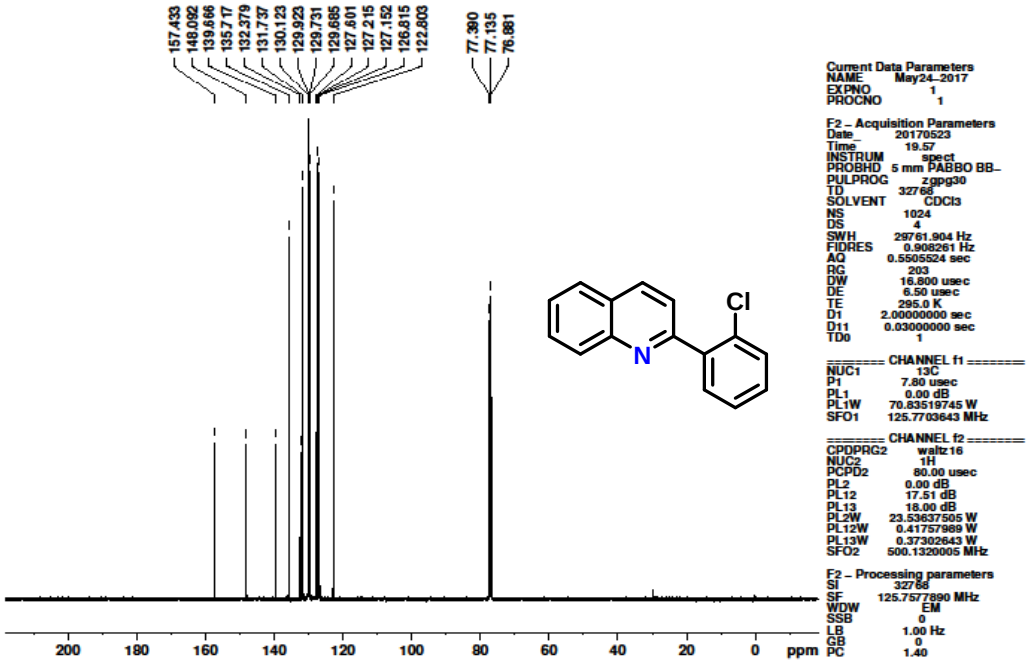


Fig S18. ^{13}C NMR spectrum of compound **3ai** (125 MHz,$CDCl_3$).

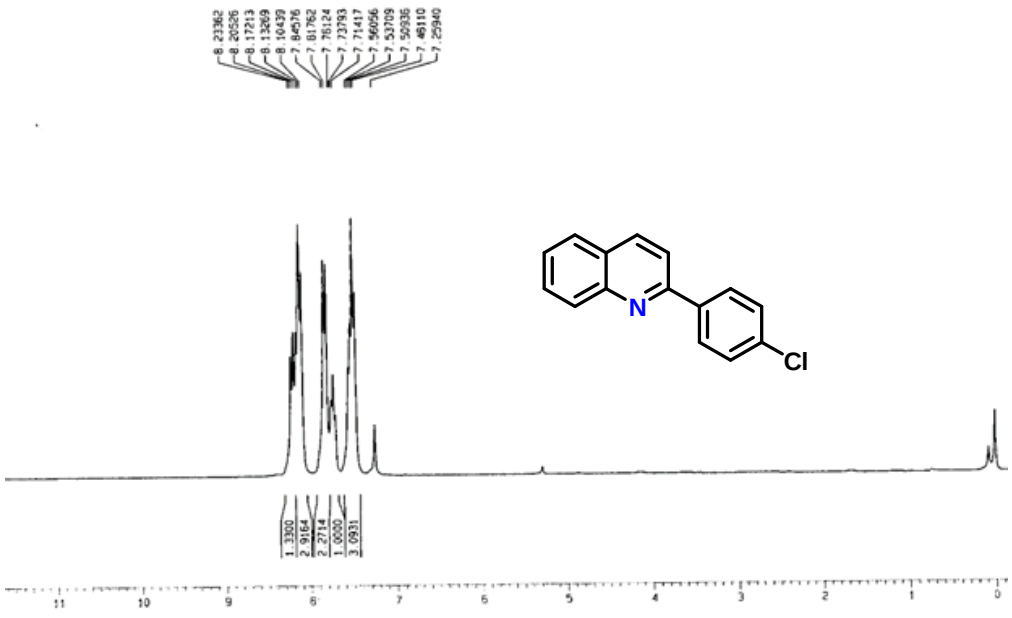


Fig S19. ^{1}H NMR spectrum of compound **3aj** (400 MHz,$CDCl_3$).

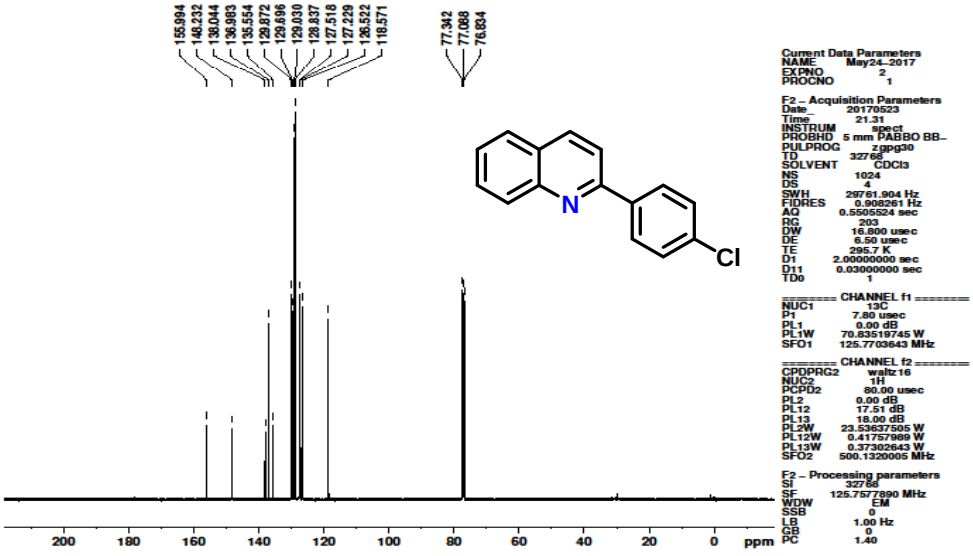


Fig S20. ^{13}C NMR spectrum of compound **3aj** (125 MHz,$CDCl_3$).

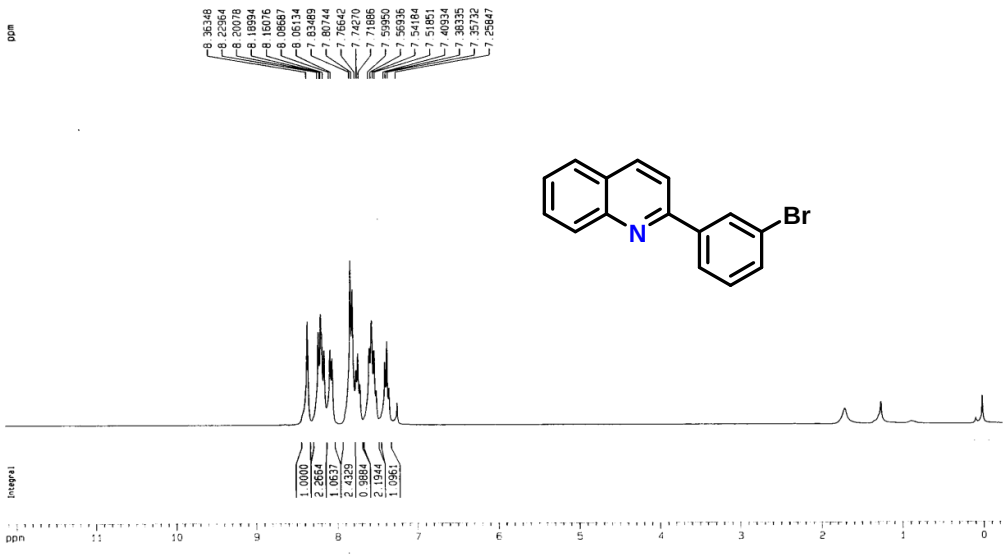


Fig S21. ^{1}H NMR spectrum of compound **3ak** (400 MHz,$CDCl_3$).

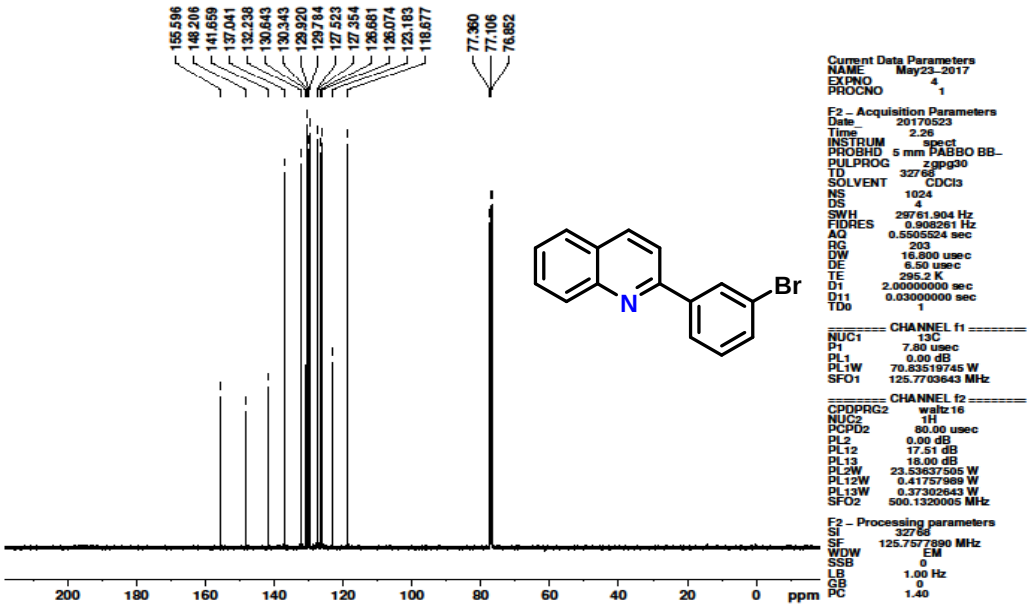


Fig S22. ^{13}C NMR spectrum of compound **3ak** (125 MHz,$CDCl_3$).

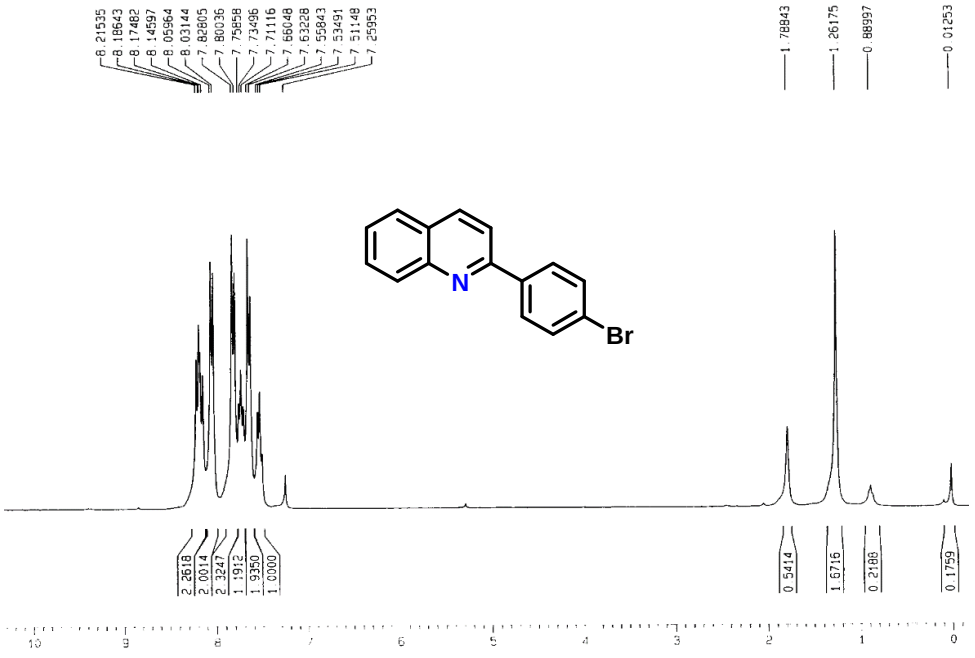


Fig S23. ^{1}H NMR spectrum of compound **3al** (400 MHz,$CDCl_3$).

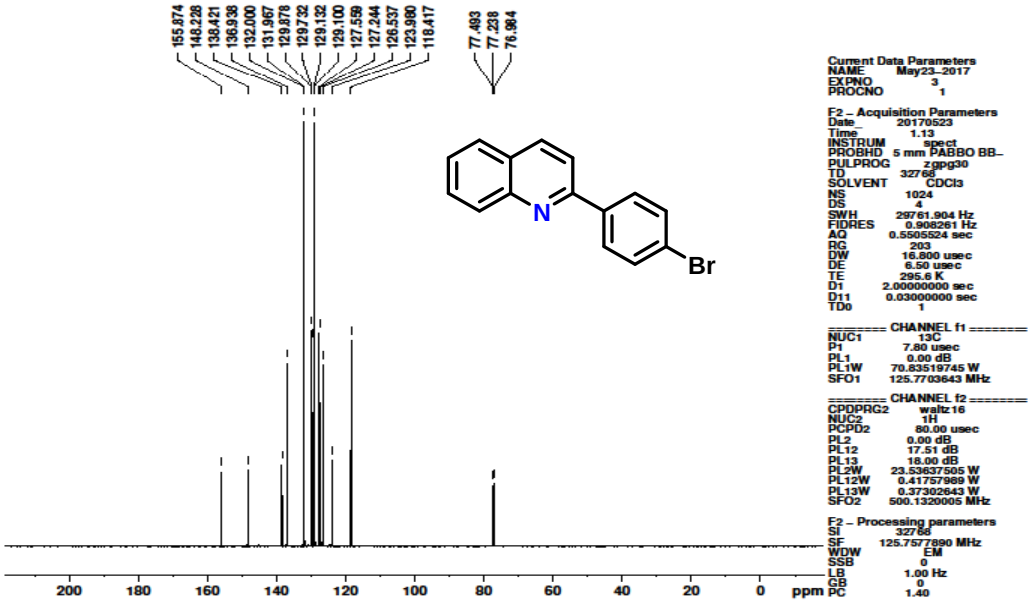


Fig S24. ^{13}C NMR spectrum of compound **3al** (125 MHz,$CDCl_3$).

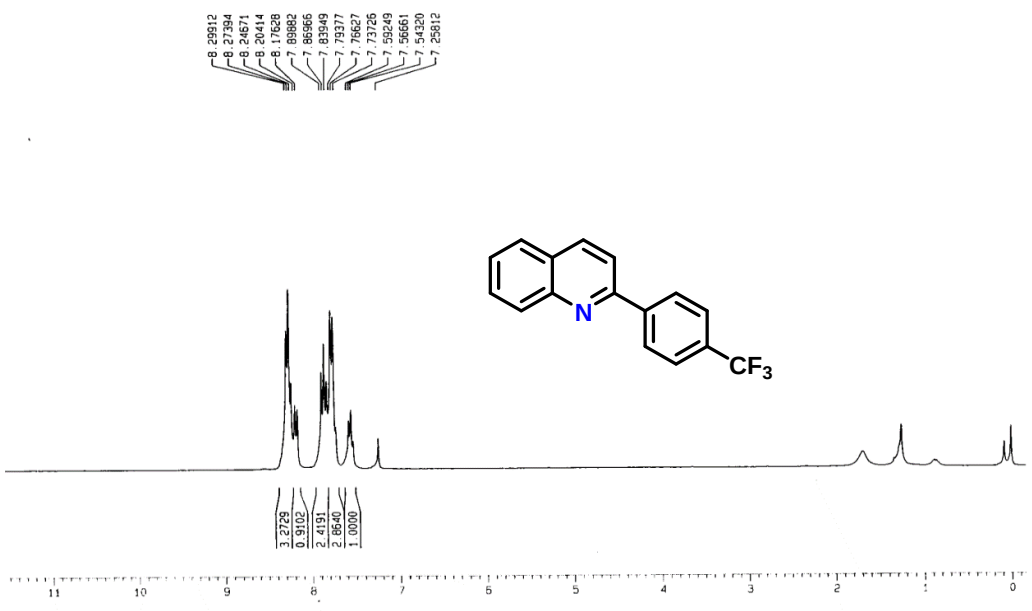


Fig S25. ^{1}H NMR spectrum of compound **3am** (400 MHz,$CDCl_3$).

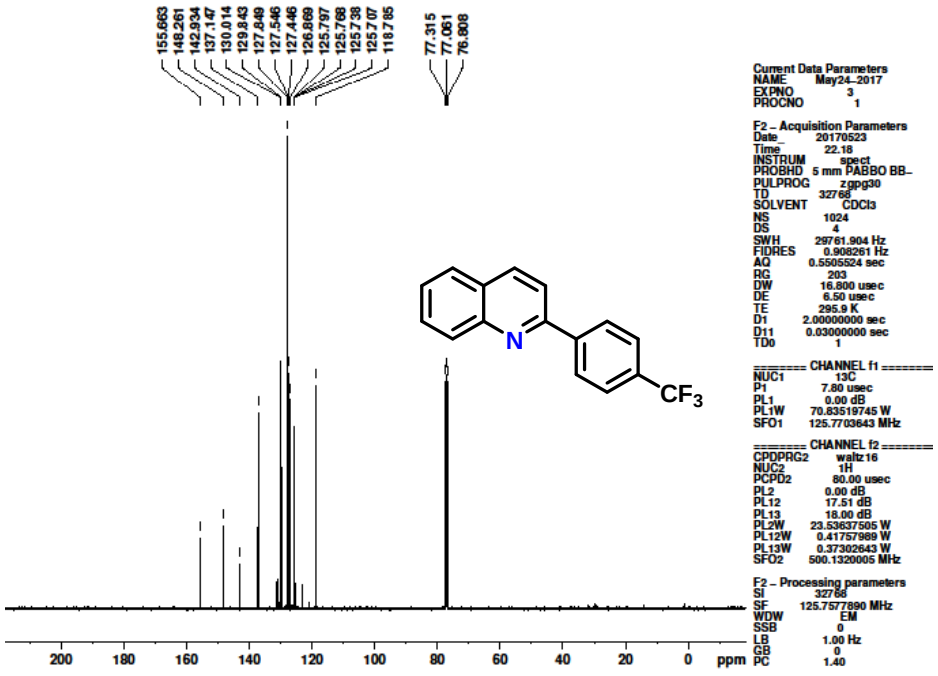


Fig S26. ^{13}C NMR spectrum of compound **3am** (125 MHz,$CDCl_3$).

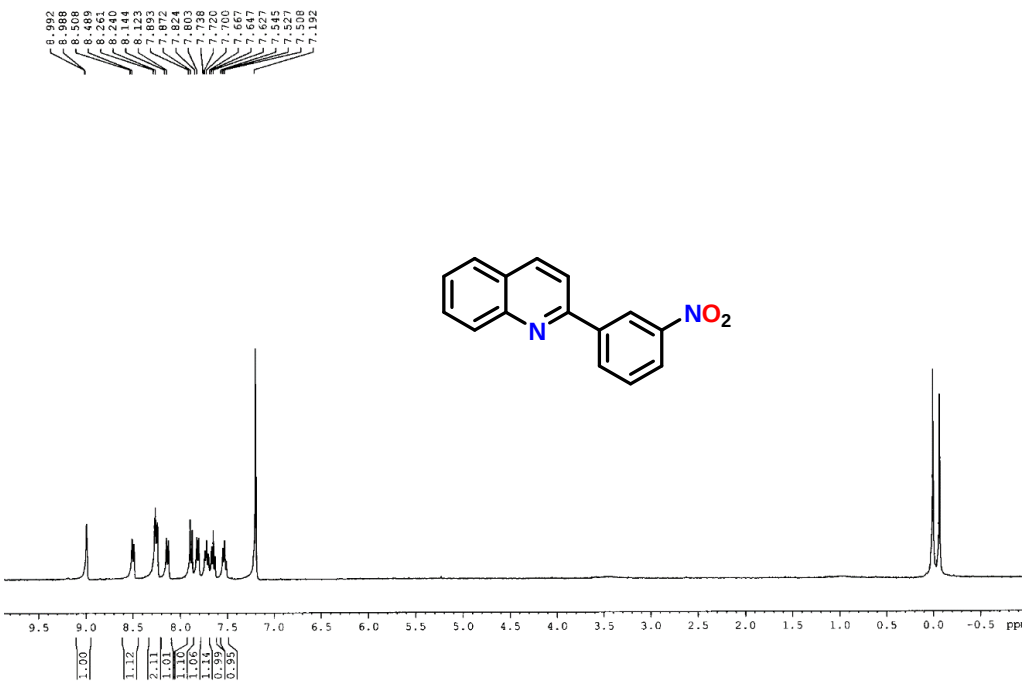


Fig S27. ^{1}H NMR spectrum of compound **3an** (400 MHz,$CDCl_3$).

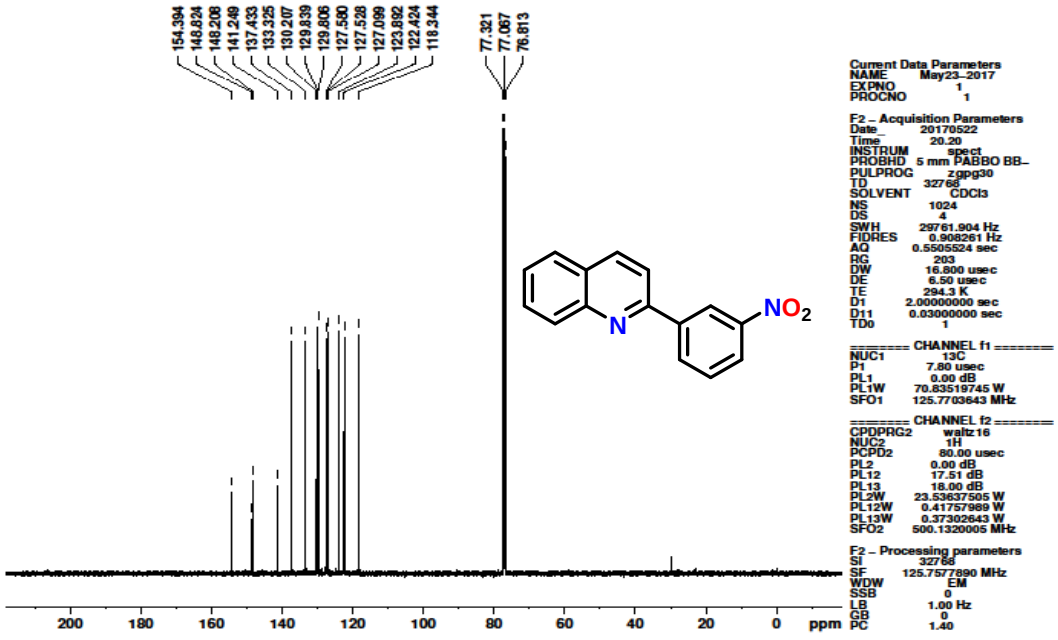


Fig S28. ^{13}C NMR spectrum of compound **3an** (125 MHz,$CDCl_3$).

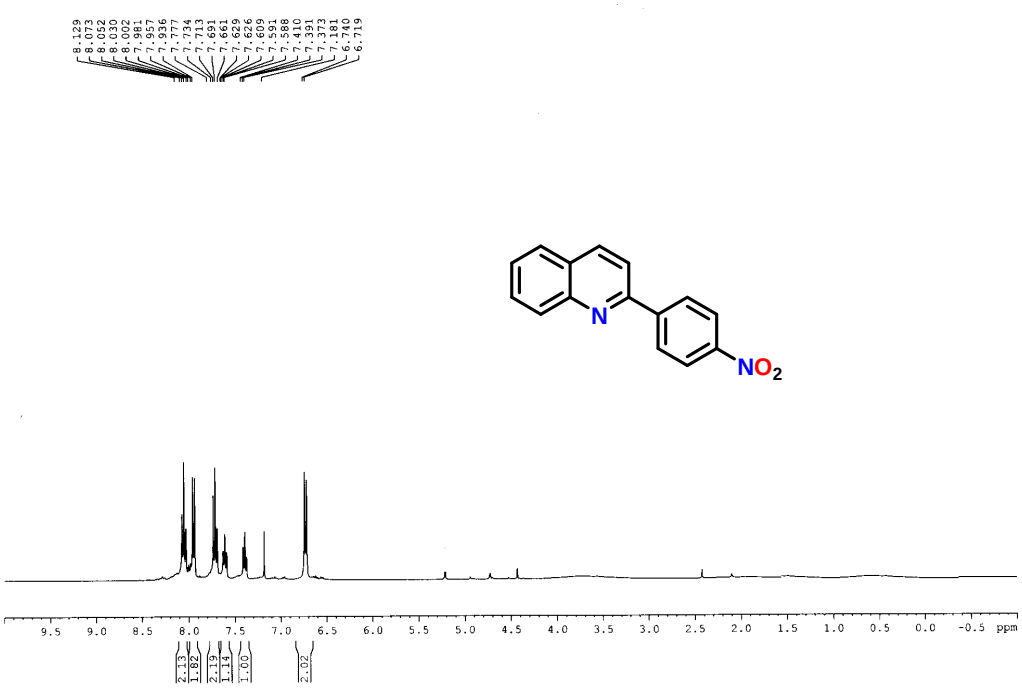


Fig S29. ^{1}H NMR spectrum of compound **3ao** (400 MHz,$CDCl_3$).

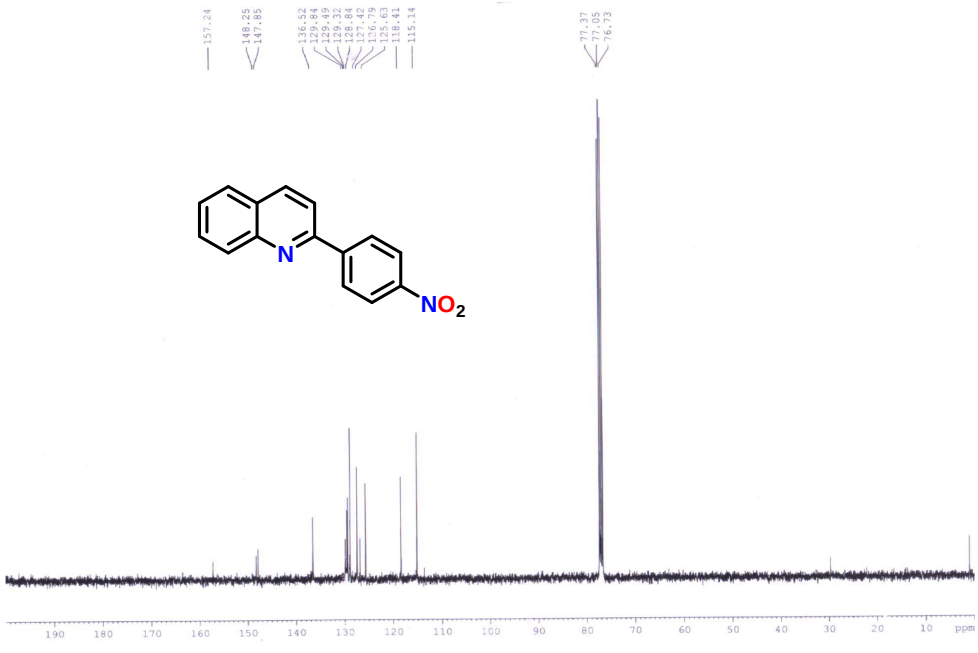
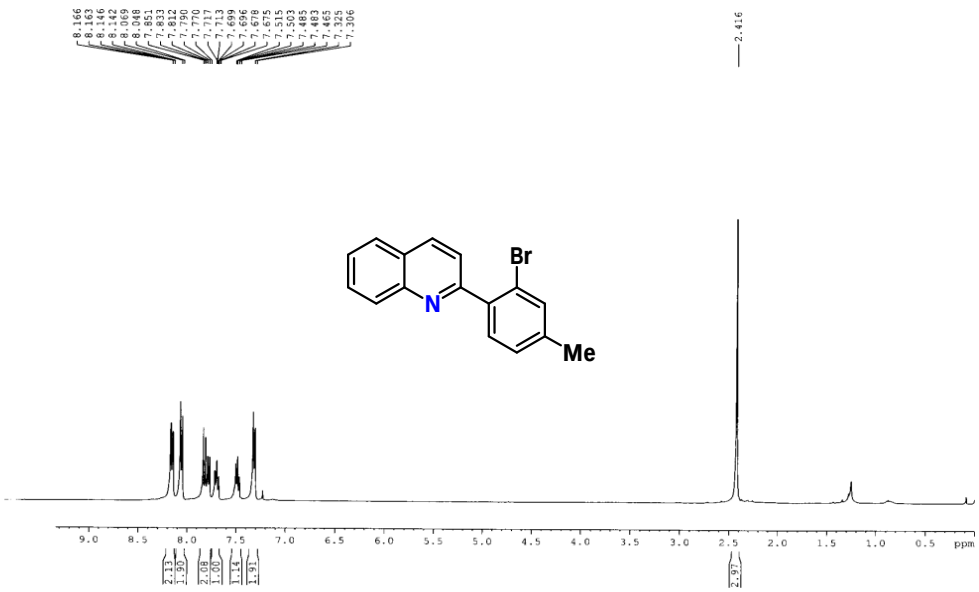


Fig S30. ^{13}C NMR spectrum of compound **3ao** (100 MHz,$CDCl_3$).



FigS31. ^{1}H NMR spectrum of compound **3ap** (400 MHz,$CDCl_3$).

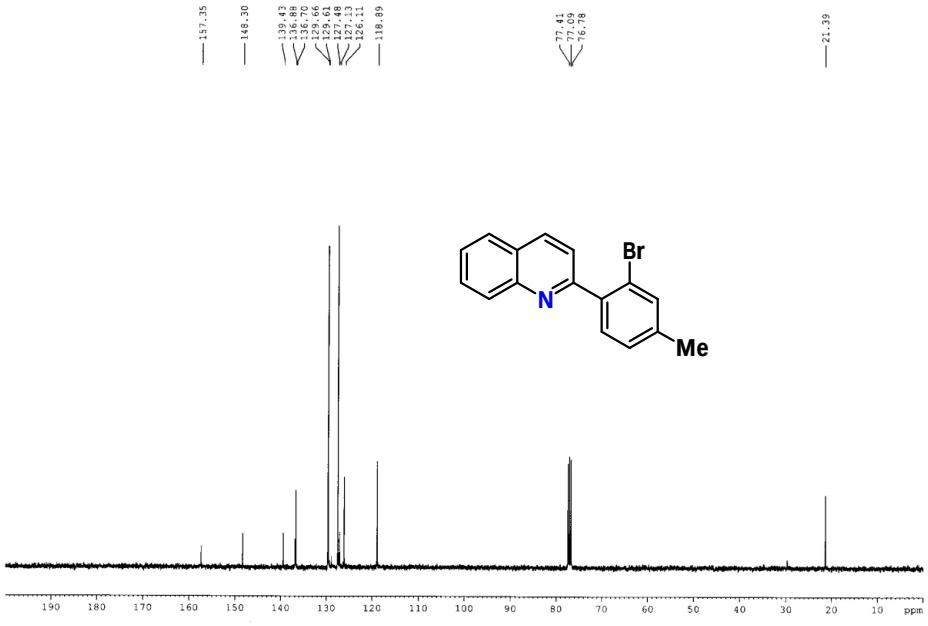


Fig S32. ^{13}C NMR spectrum of compound **3ap**(100 MHz,$CDCl_3$).

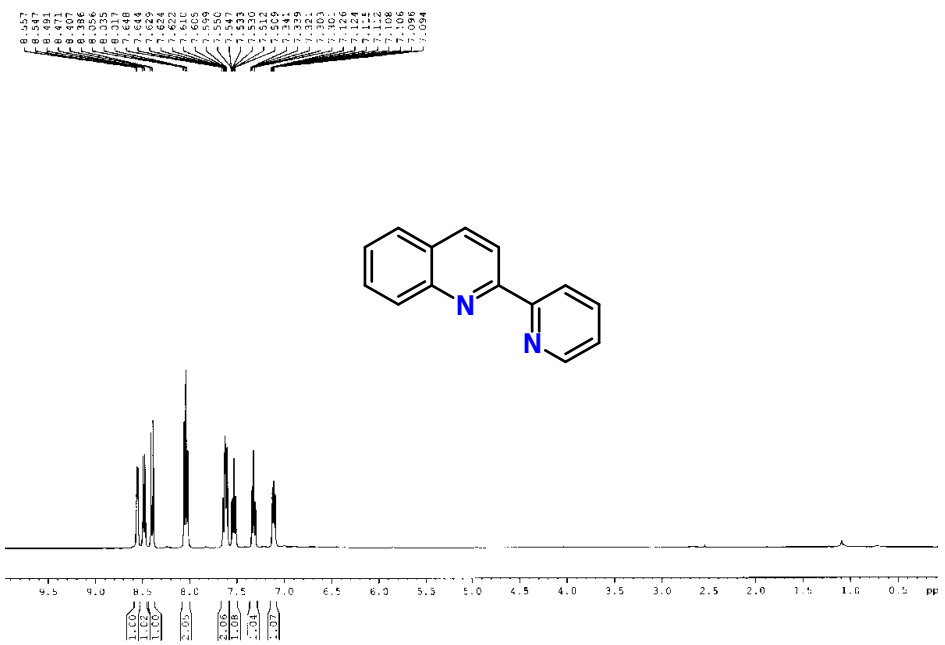


Fig S33. ^{1}H NMR spectrum of compound **3aq** (400 MHz,$CDCl_3$).

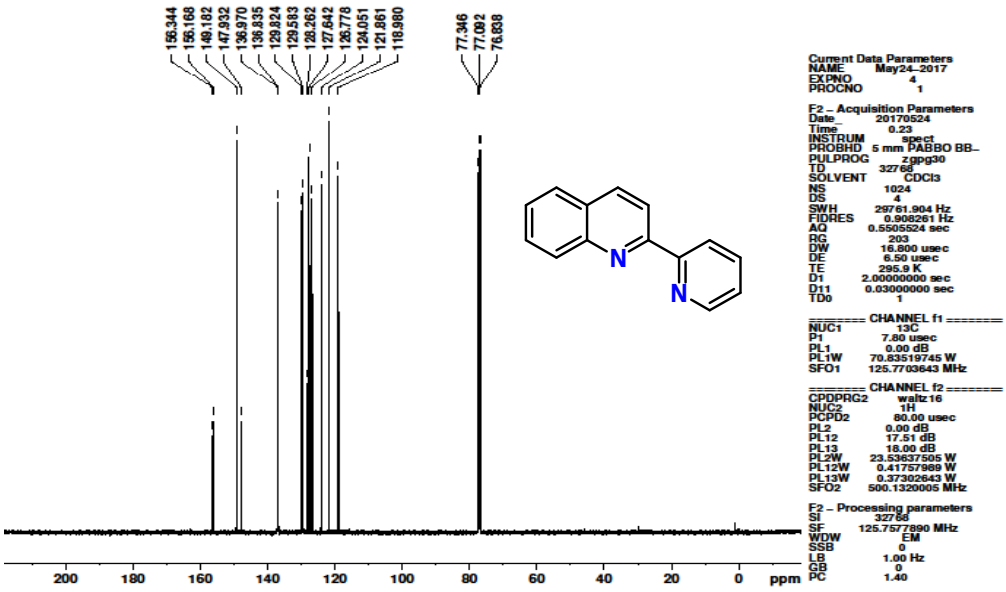


Fig S34. ^{13}C NMR spectrum of compound **3aq**(125 MHz,$CDCl_3$).

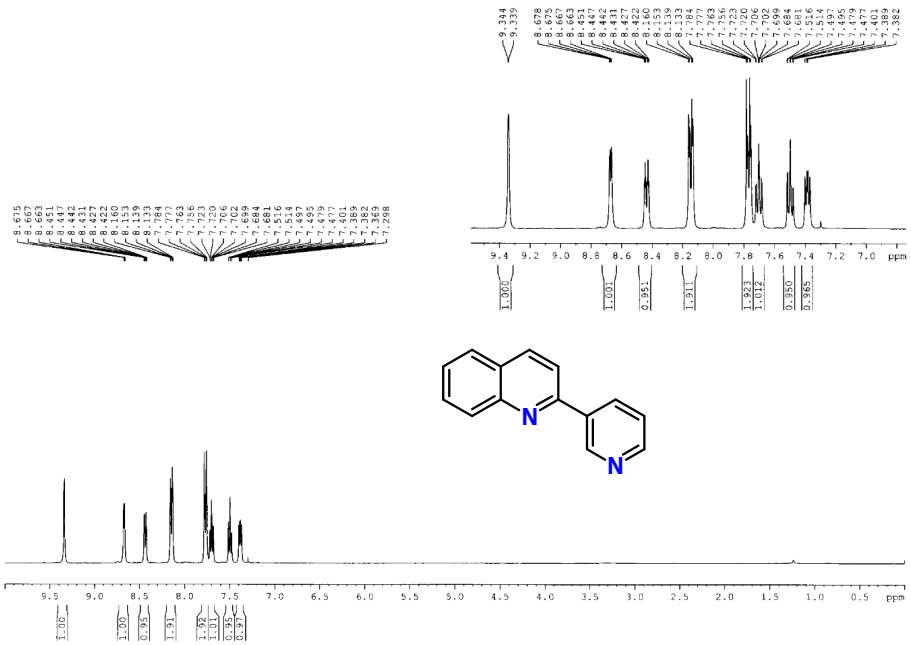


Fig S35. ^{1}H NMR spectrum of compound **3ar** (400 MHz,$CDCl_3$).

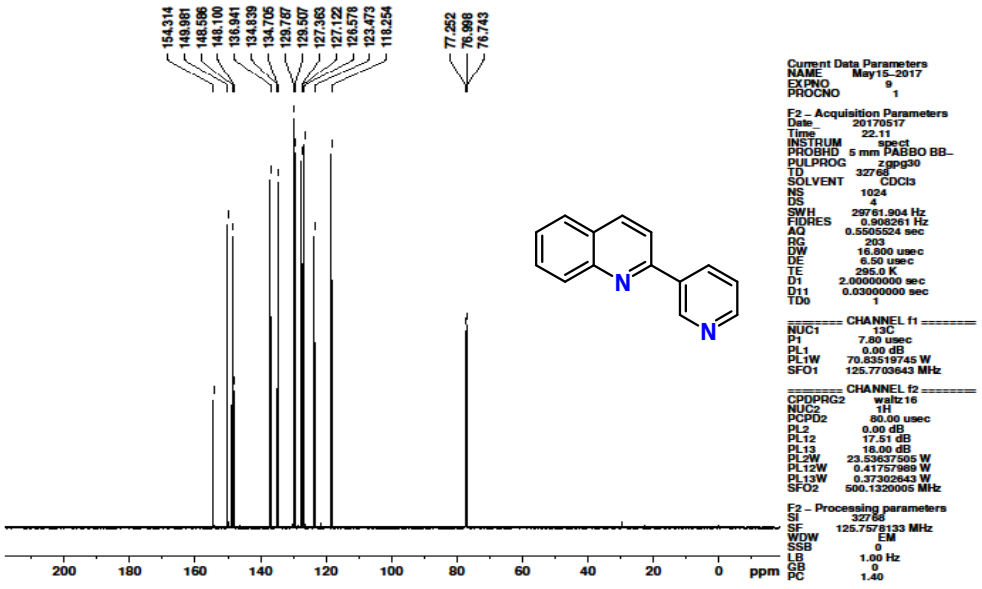


Fig S36. ^{13}C NMR spectrum of compound **3ar** (125 MHz,$CDCl_3$).

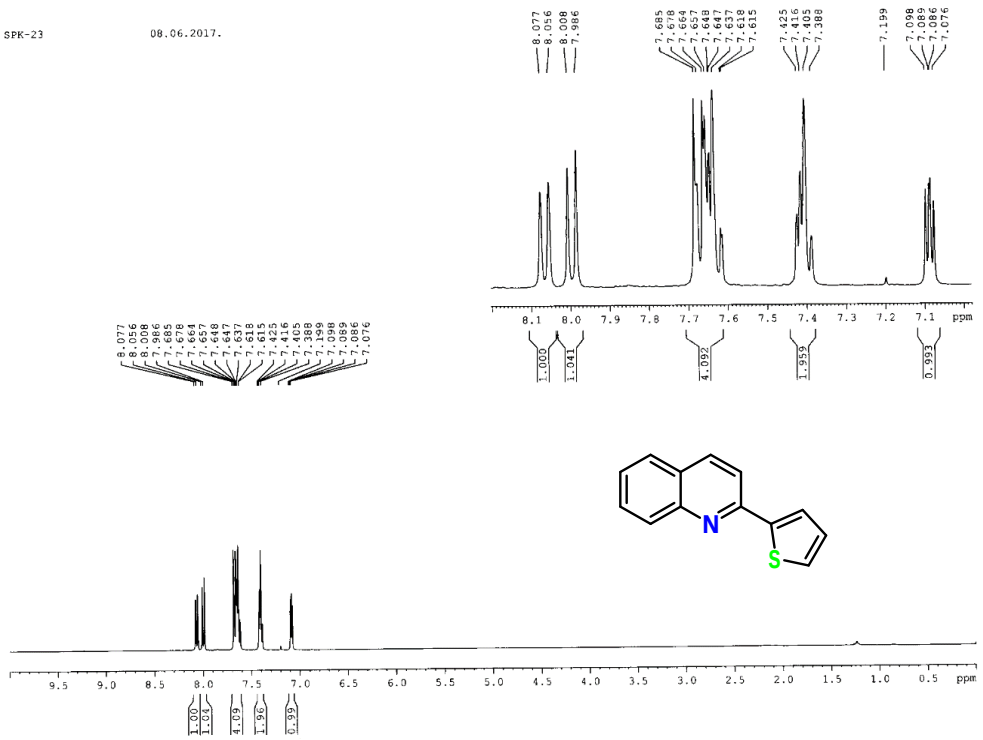


Fig S37. ^{1}H NMR spectrum of compound **3as** (400 MHz,$CDCl_3$).

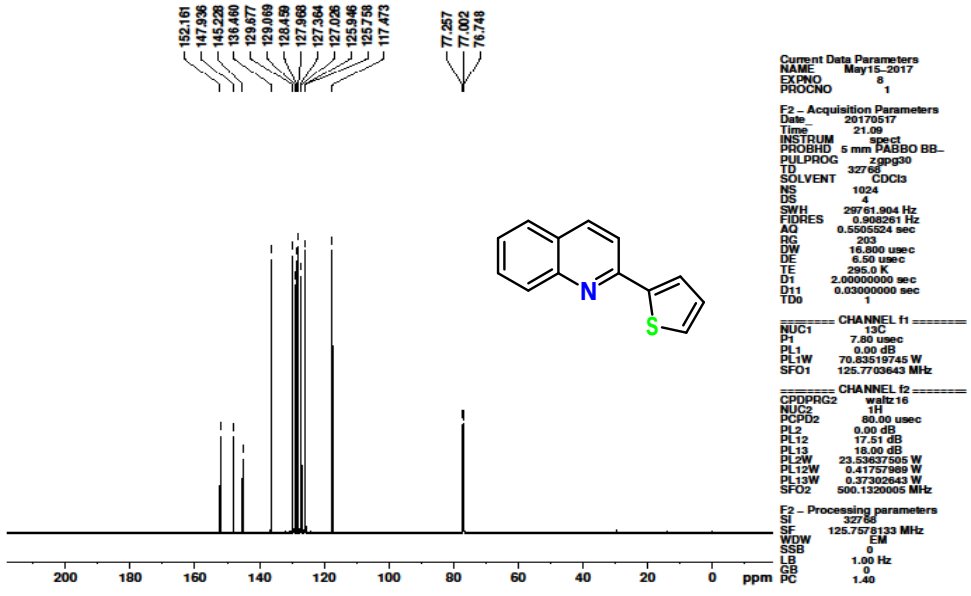


Fig S38. ^{13}C NMR spectrum of compound **3as** (125 MHz,$CDCl_3$).

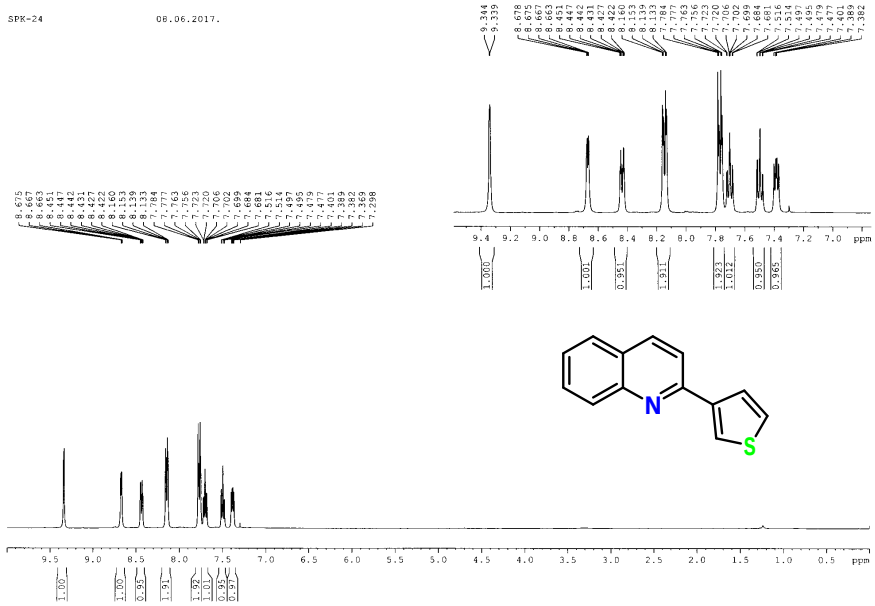


Fig S39. ^{1}H NMR spectrum of compound **3at** (400 MHz,$CDCl_3$).

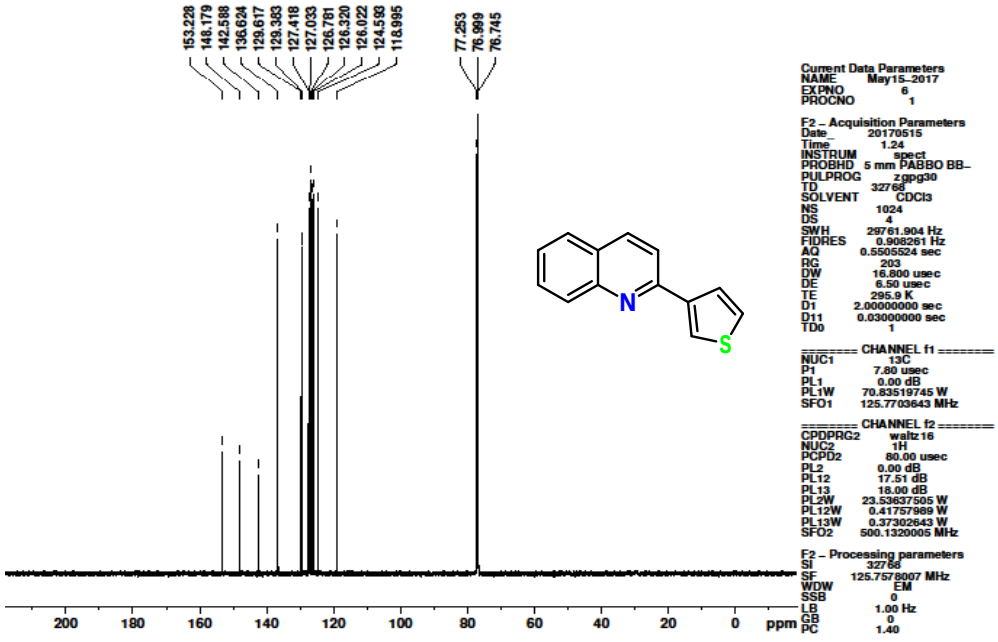


Fig S40. ^{13}C NMR spectrum of compound **3at** (125 MHz,$CDCl_3$).

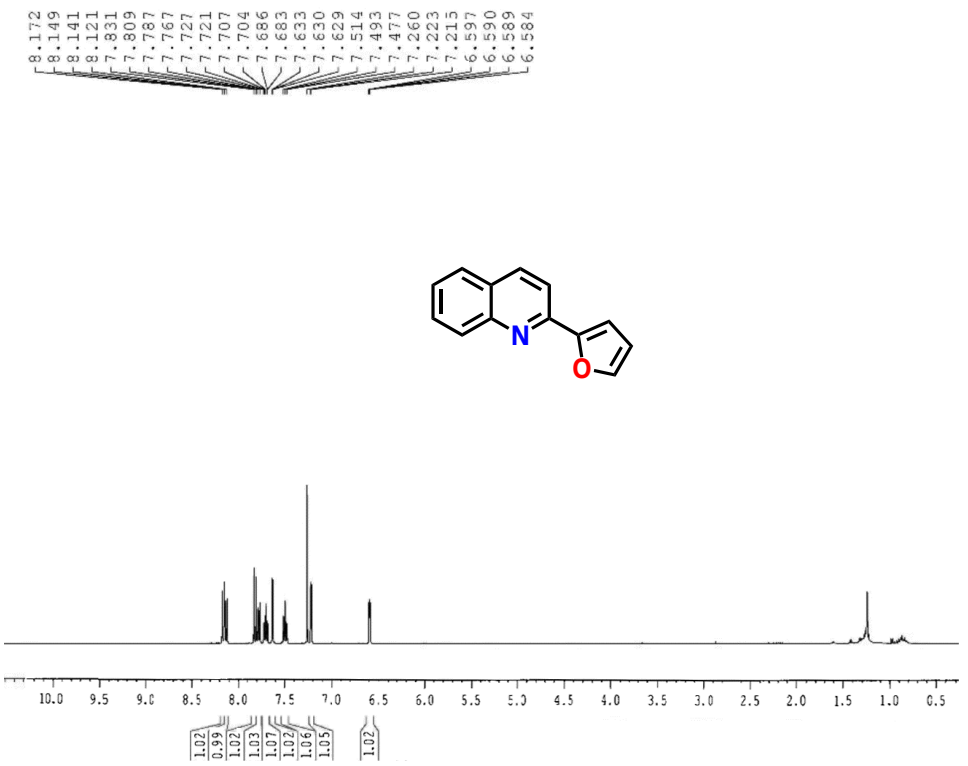


Fig S41. ^{1}H NMR spectrum of compound **3au** (400 MHz,$CDCl_3$).

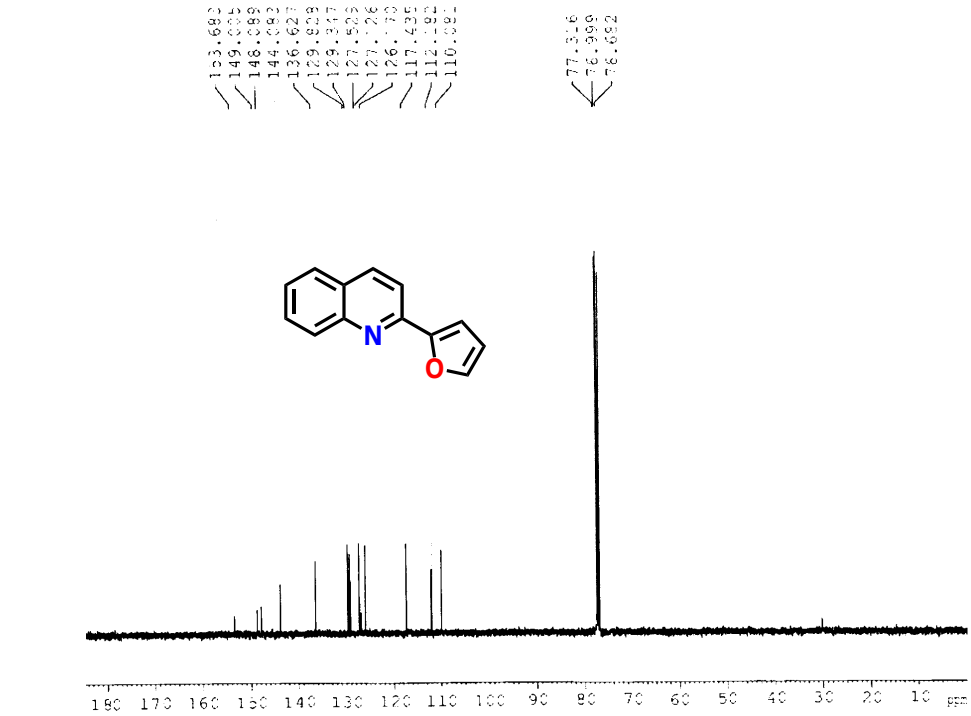


Fig S42. ^{13}C NMR spectrum of compound **3au** (125 MHz,$CDCl_3$).

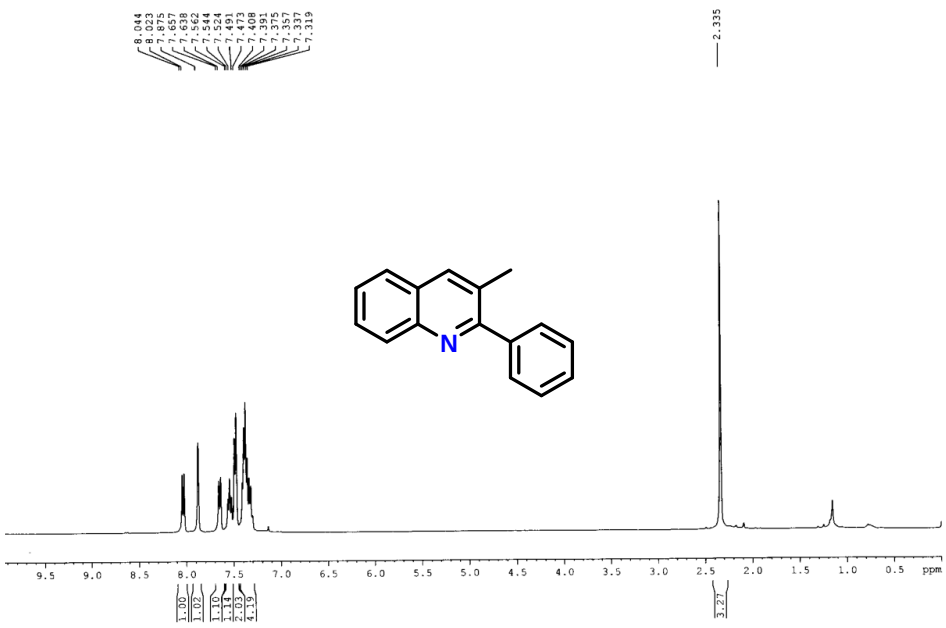


Fig S43. ^{1}H NMR spectrum of compound **3av** (400 MHz,$CDCl_3$).

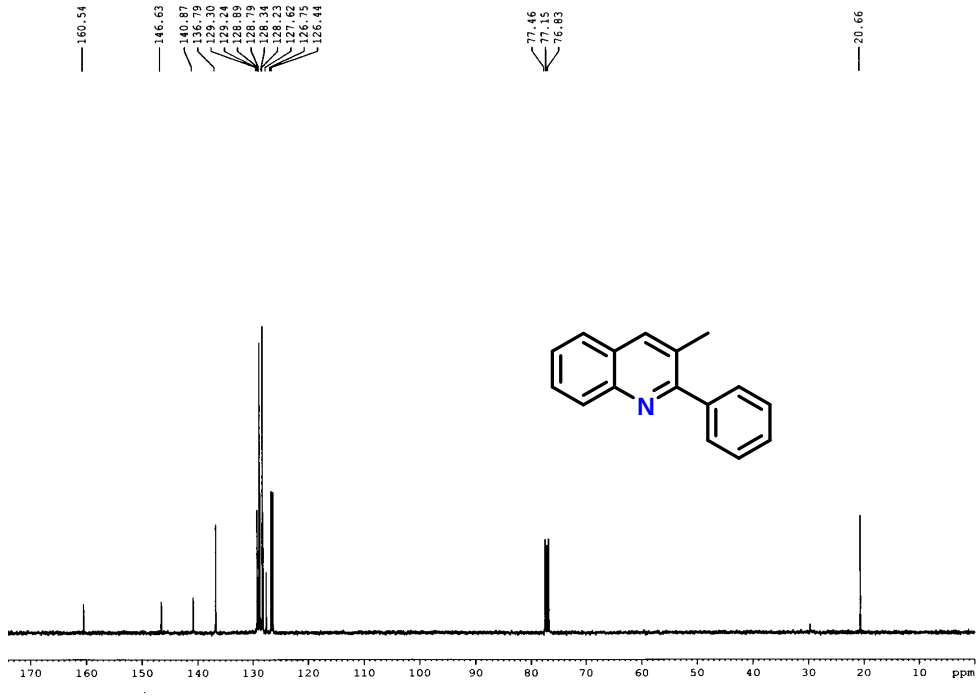


Fig S44. ^{13}C NMR spectrum of compound **3av** (100 MHz,$CDCl_3$).

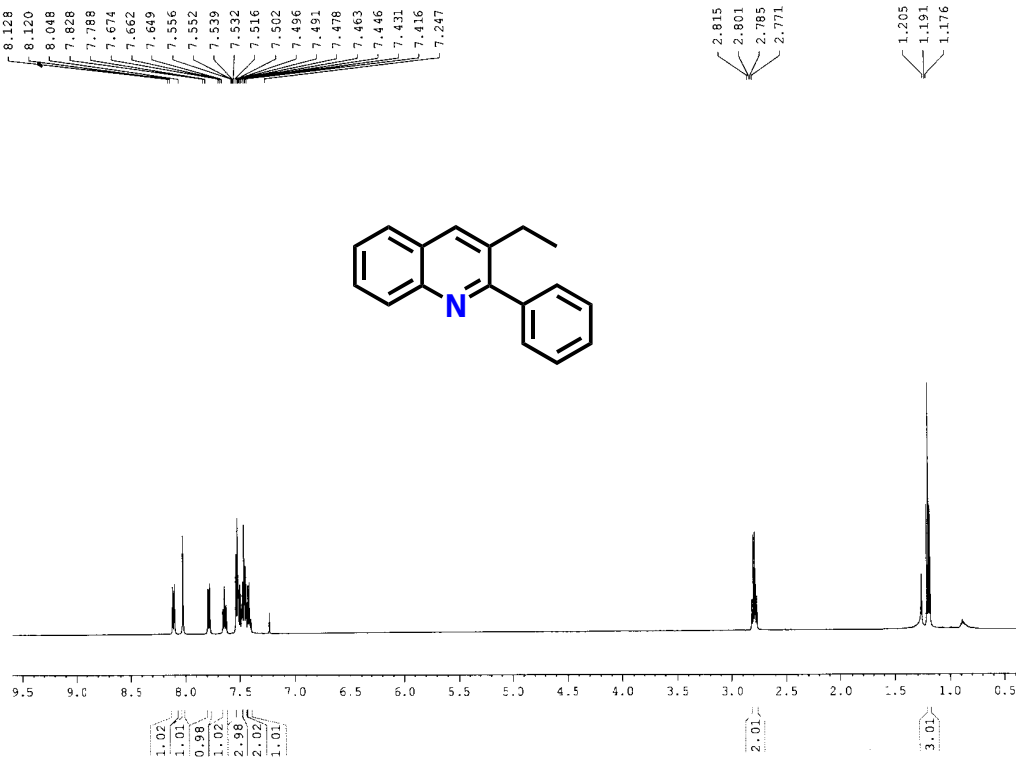


Fig S45. ^{1}H NMR spectrum of compound **3aw** (400 MHz,$CDCl_3$).

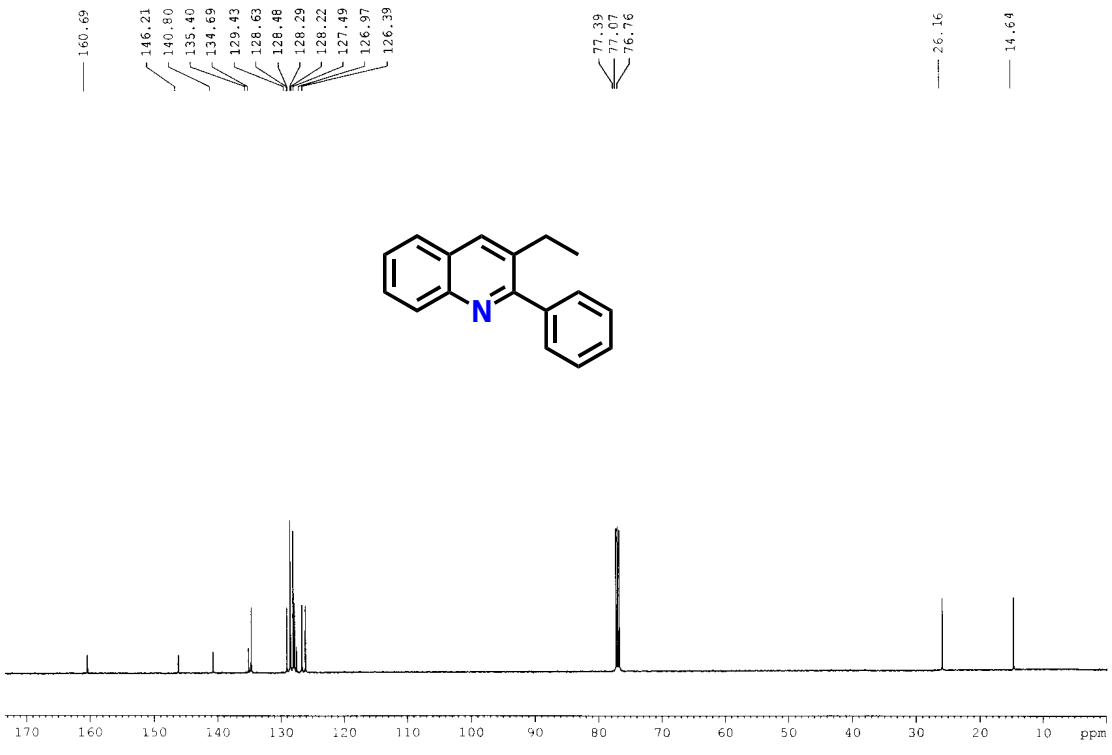


Fig S46. ^{13}C NMR spectrum of compound **3aw** (100 MHz,$CDCl_3$).

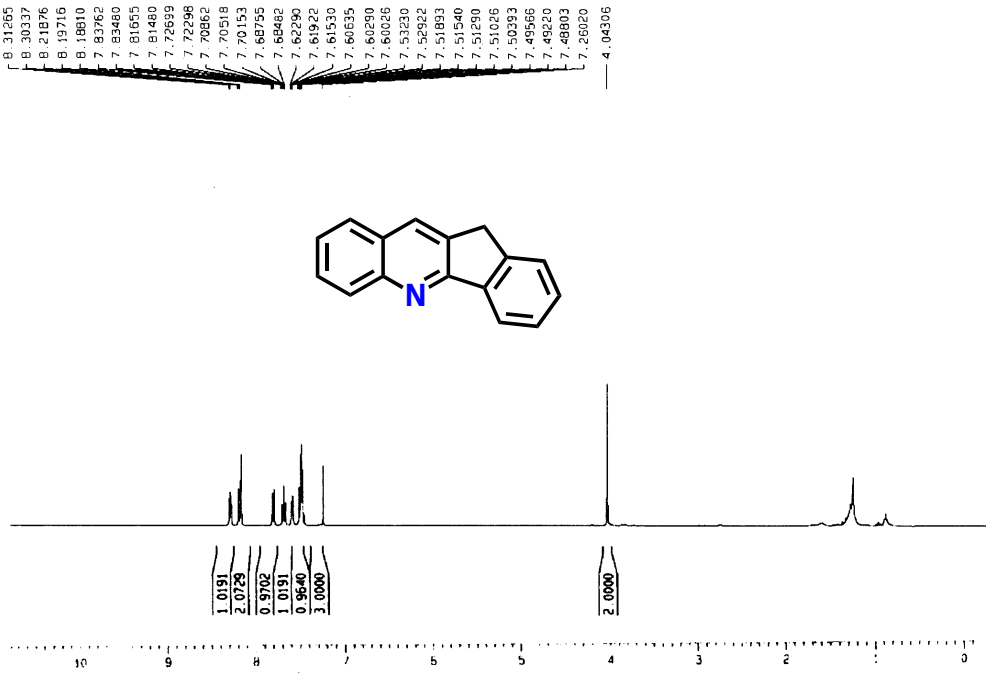


Fig S47. ^{1}H NMR spectrum of compound **3ax** (300 MHz,$CDCl_3$).

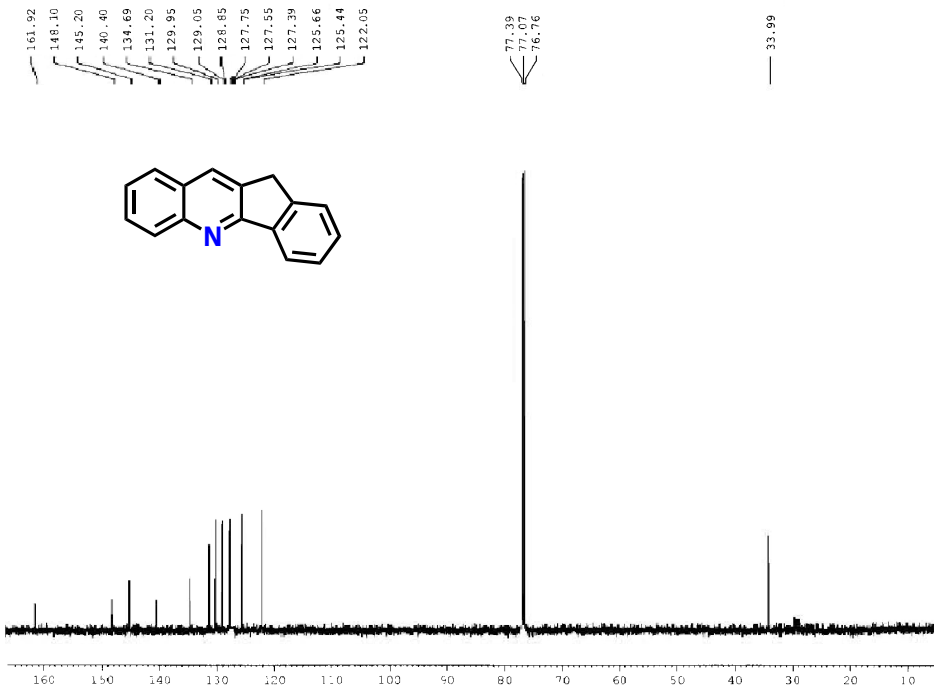


Fig S48. ^{13}C NMR spectrum of compound **3aw** (75 MHz,$CDCl_3$).

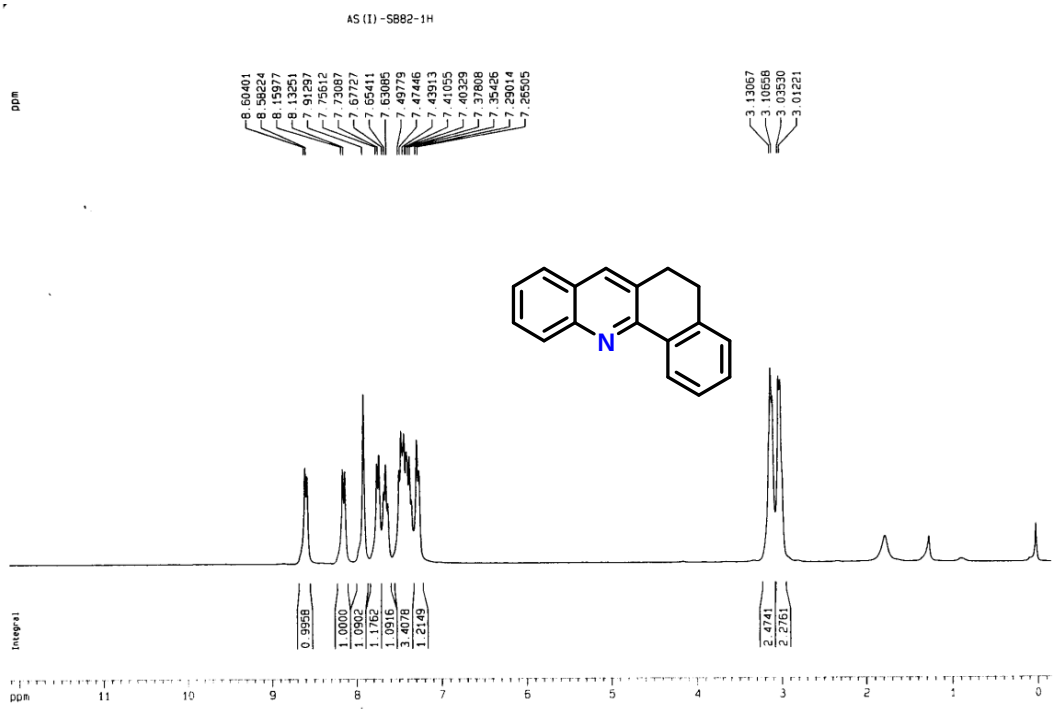


Fig S49. ^{1}H NMR spectrum of compound **3ay** (400 MHz,$CDCl_3$).

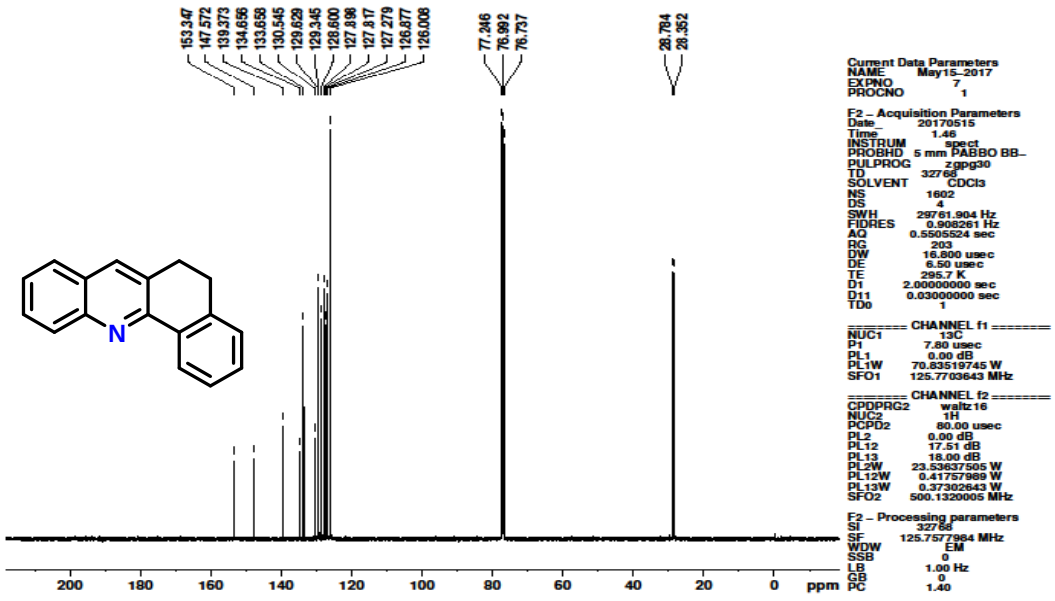


Fig S50. ^{13}C NMR spectrum of compound **3ay** (125 MHz,$CDCl_3$).

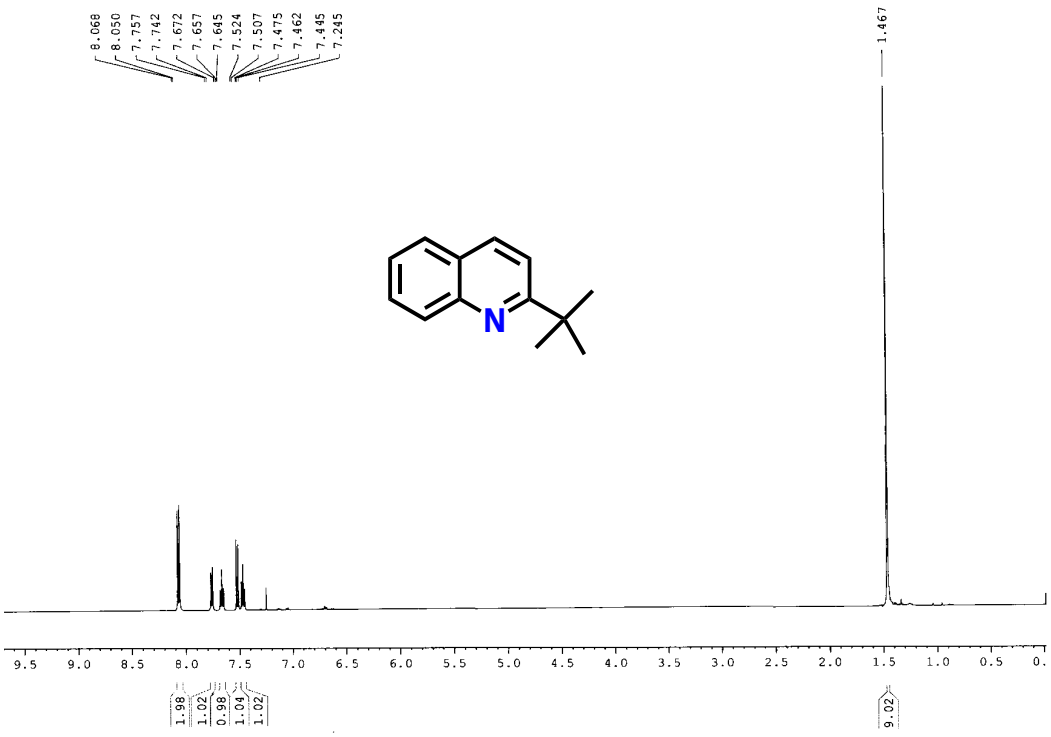


Fig S51. ^{1}H NMR spectrum of compound **3az'** (400 MHz,$CDCl_3$).

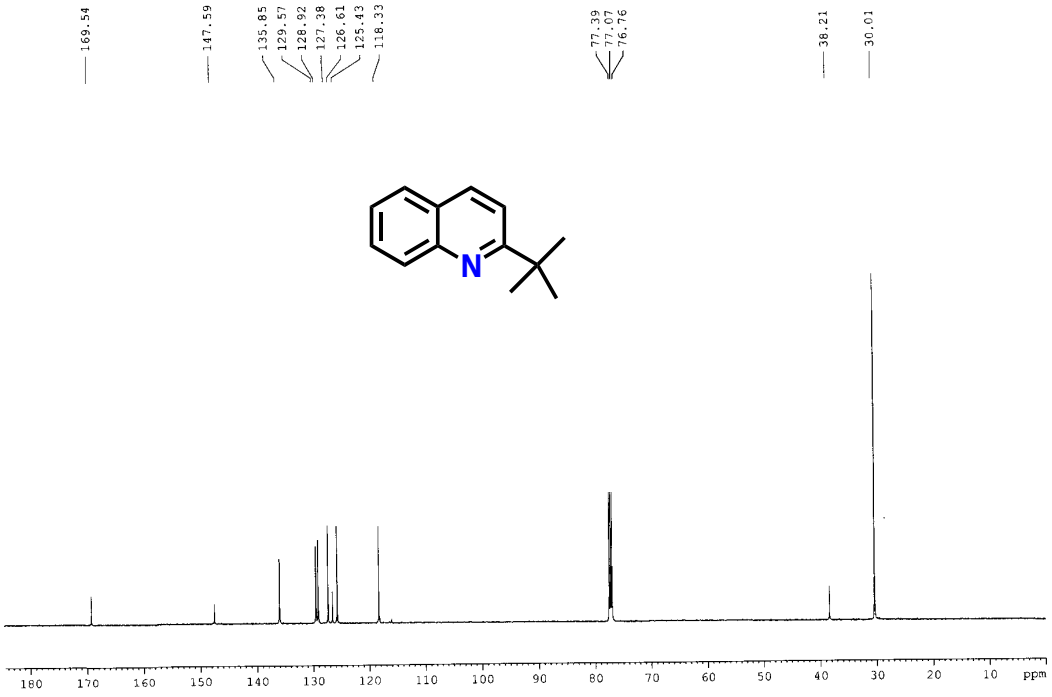


Fig S52. ^{13}C NMR spectrum of compound **3az'** (100 MHz,$CDCl_3$).

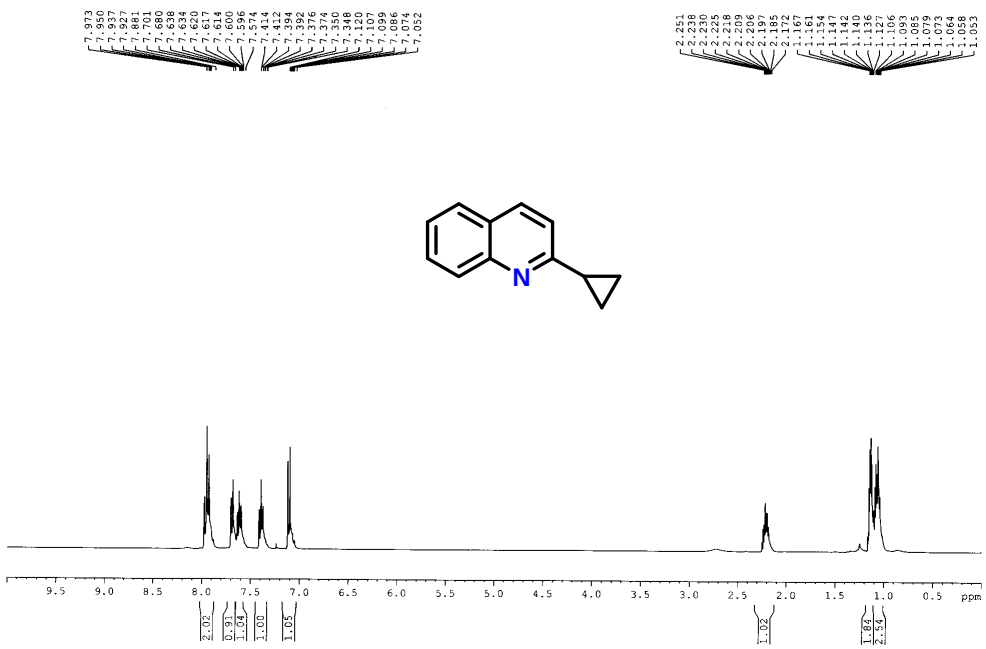


Fig S53. ^{1}H NMR spectrum of compound **3az''** (400 MHz,$CDCl_3$).

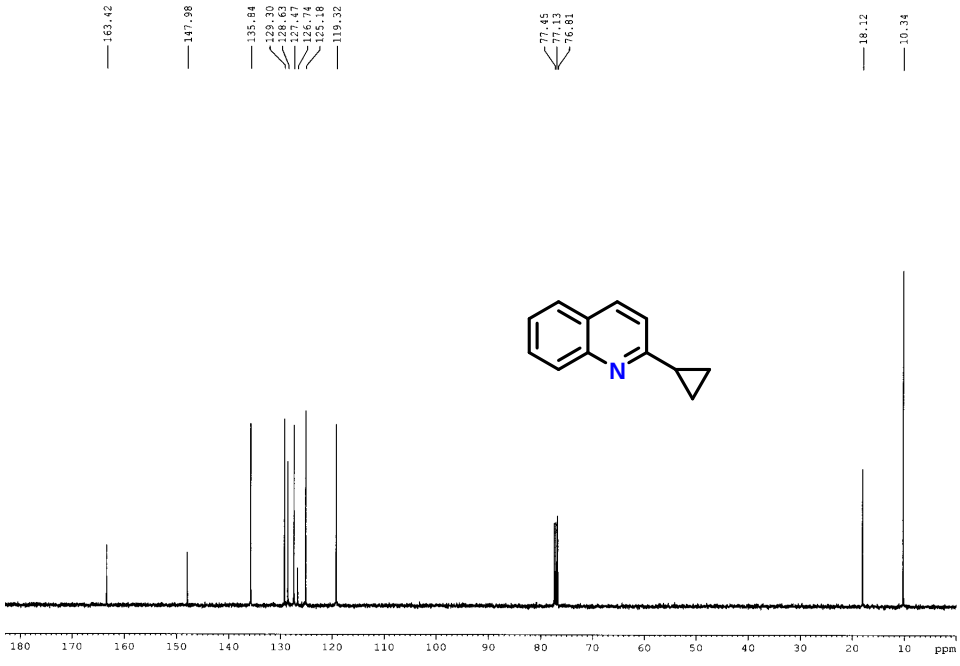


Fig S54. ^{13}CNMR spectrum of compound **3az''** (100 MHz,$CDCl_3$).

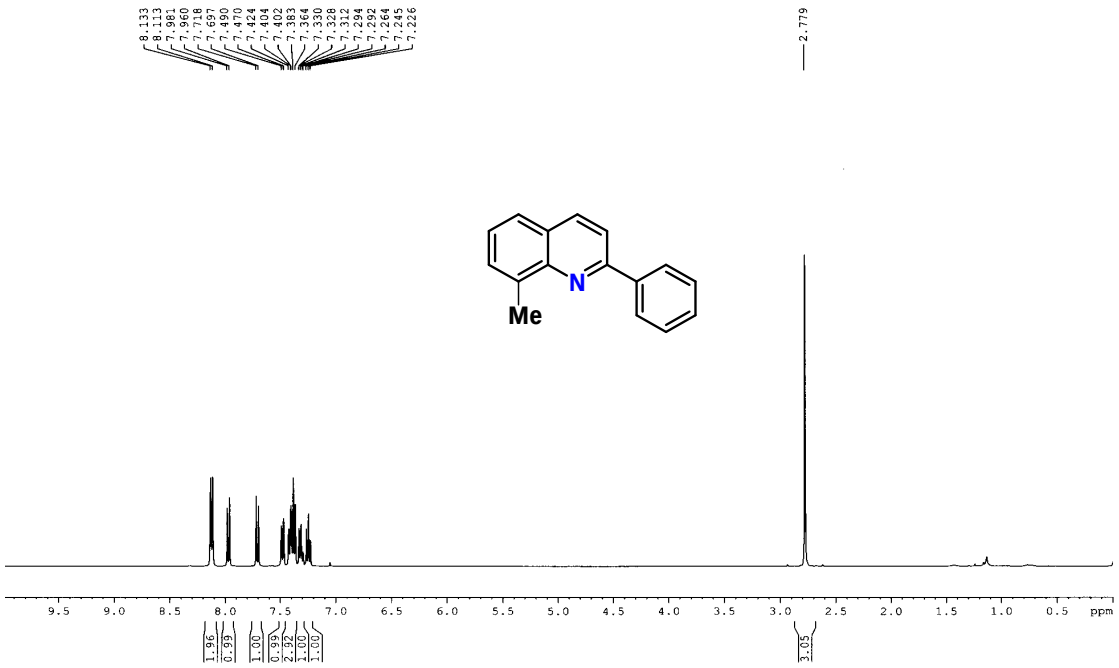


Fig S55. ^{1}H NMR spectrum of compound **3ba** (400 MHz,$CDCl_3$).

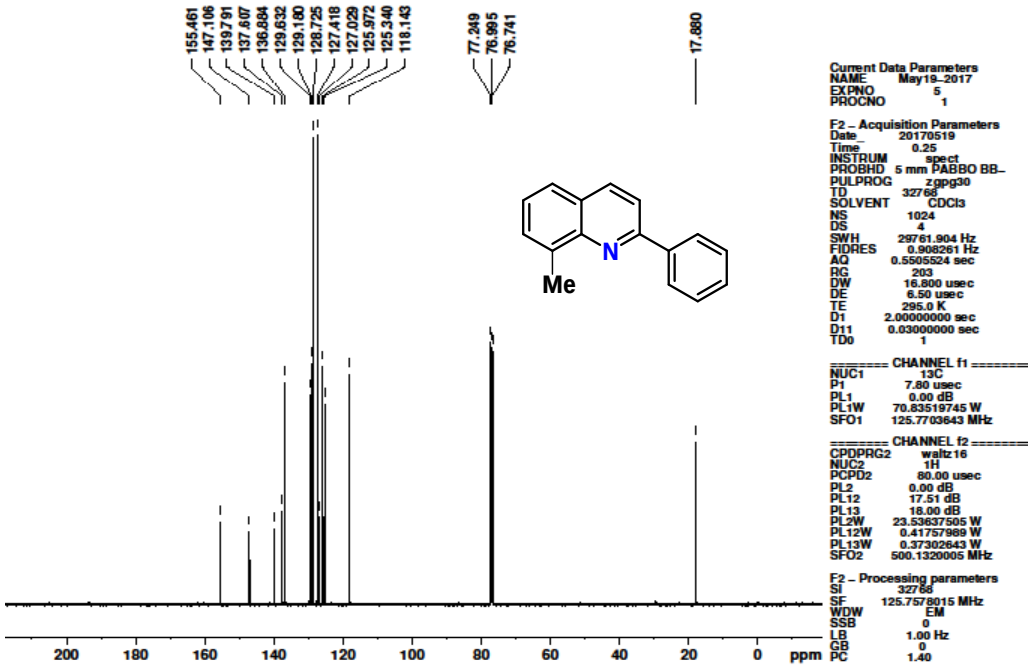


Fig S56. ^{13}C NMR spectrum of compound **3ba** (125 MHz,$CDCl_3$).

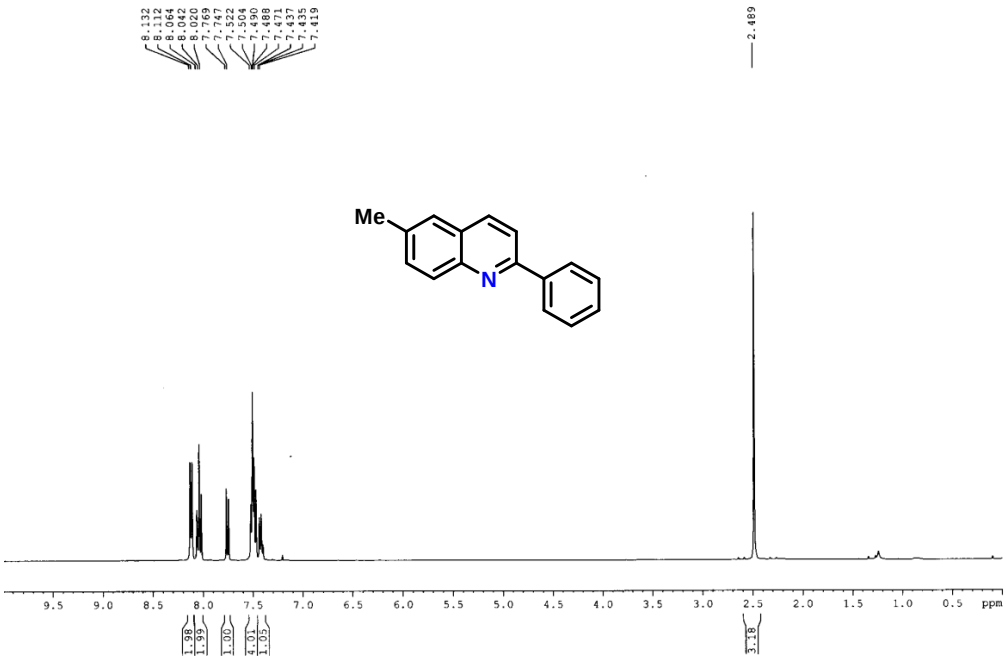


Fig S57. ^{1}H NMR spectrum of compound **3ca** (400 MHz,$CDCl_3$).

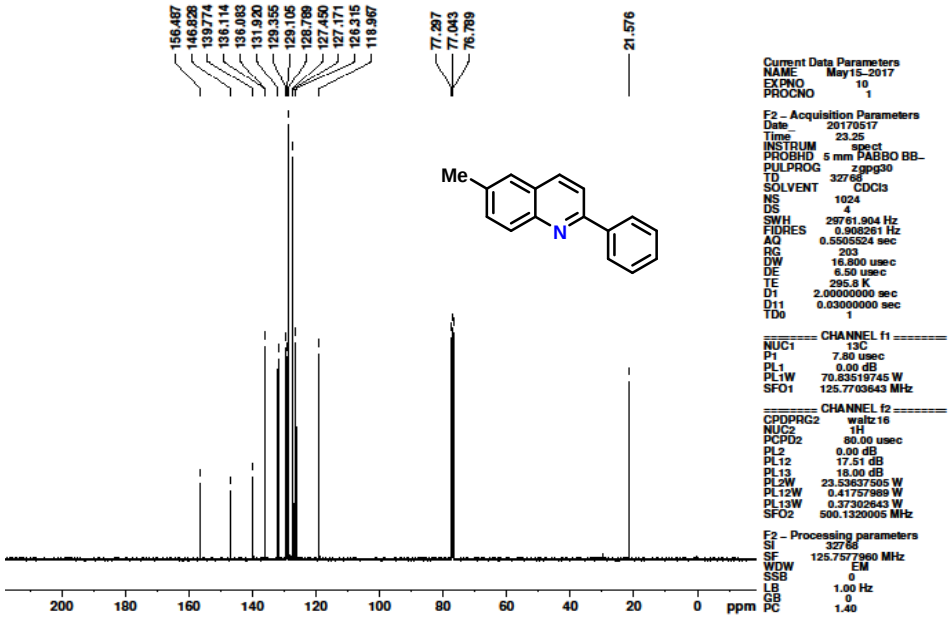


Fig S58. ^{13}C NMR spectrum of compound **3ca** (125 MHz,$CDCl_3$).

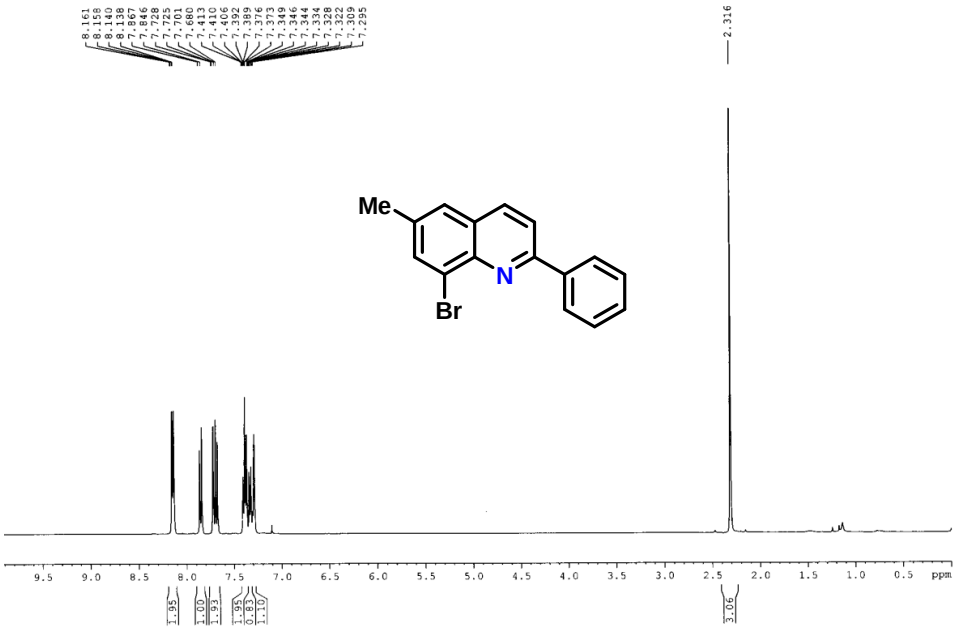


Fig S59. ^{1}H NMR spectrum of compound **3da** (400 MHz,$CDCl_3$).

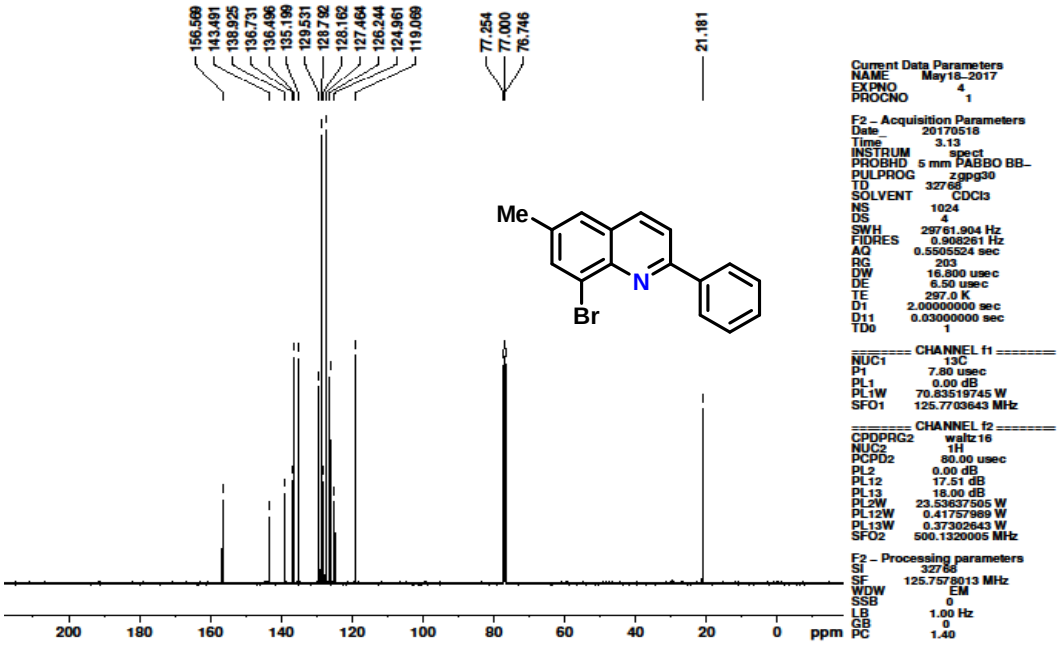


Fig S60. ^{13}C NMR spectrum of compound **3da** (125 MHz,$CDCl_3$).

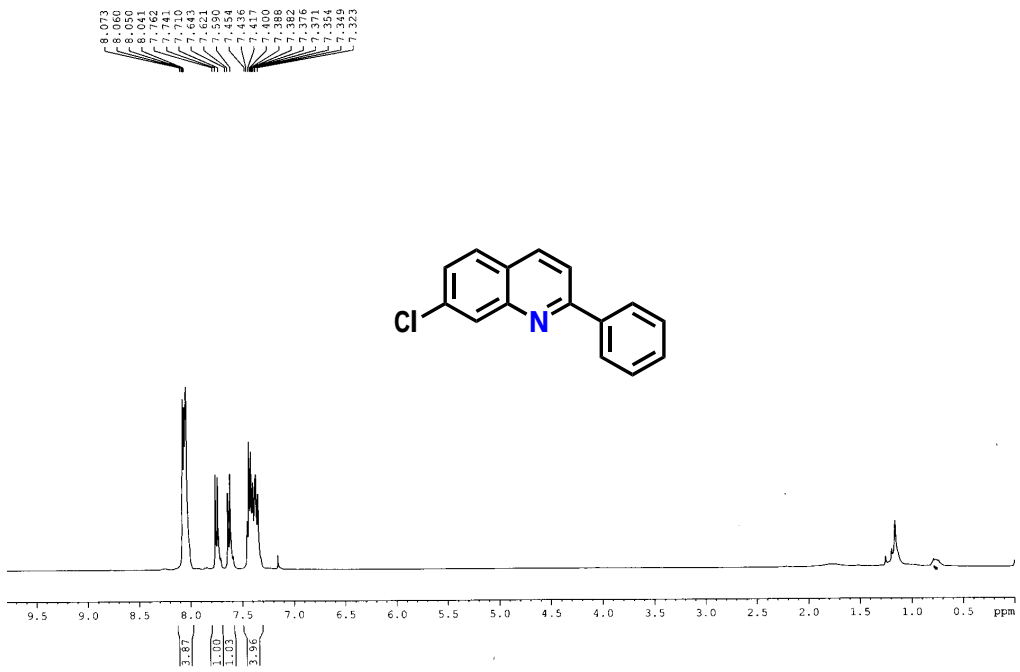


Fig S61. ^{1}H NMR spectrum of compound **3ea** (400 MHz,$CDCl_3$).

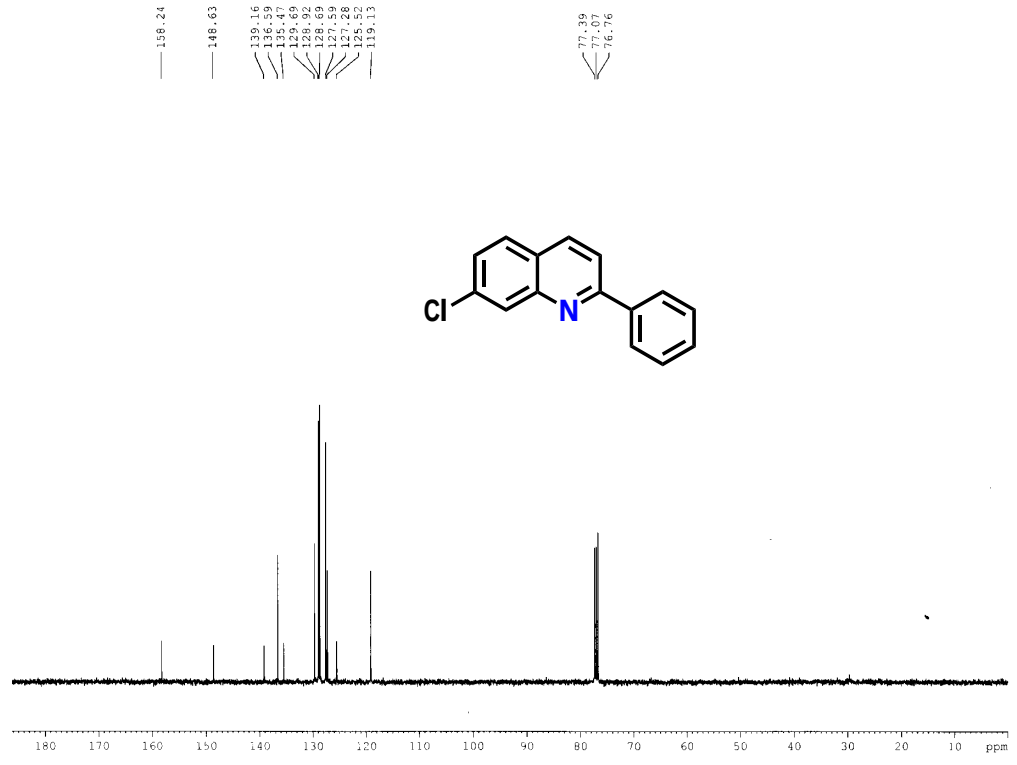


Fig S62. ^{13}C NMR spectrum of compound **3ea** (125 MHz,$CDCl_3$).

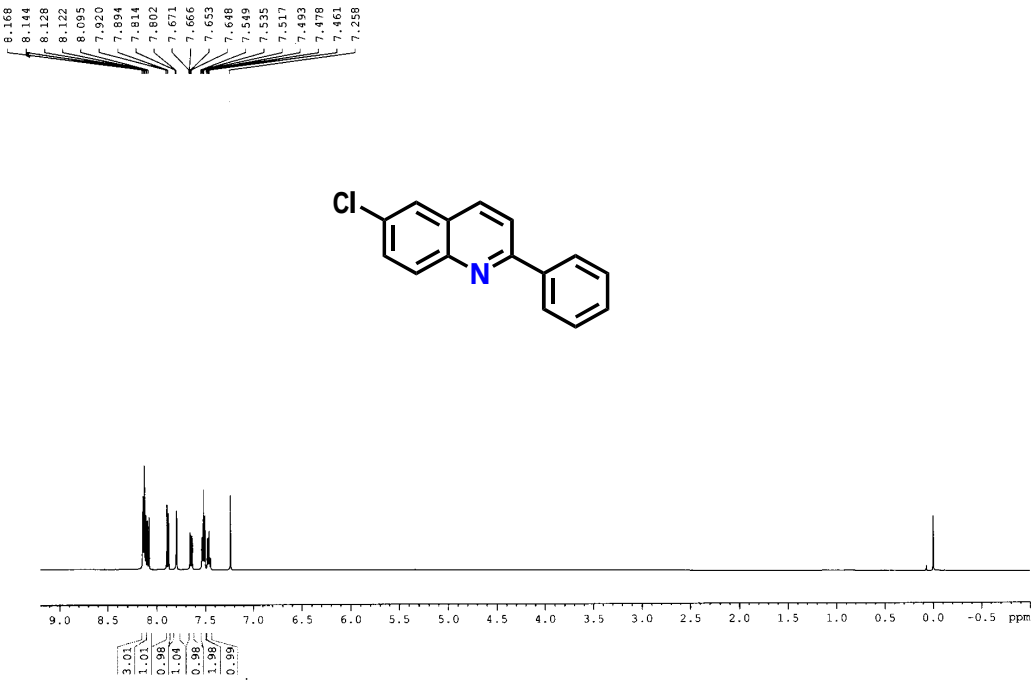


Fig S63. ^{1}H NMR spectrum of compound **3fa** (400 MHz,$CDCl_3$).

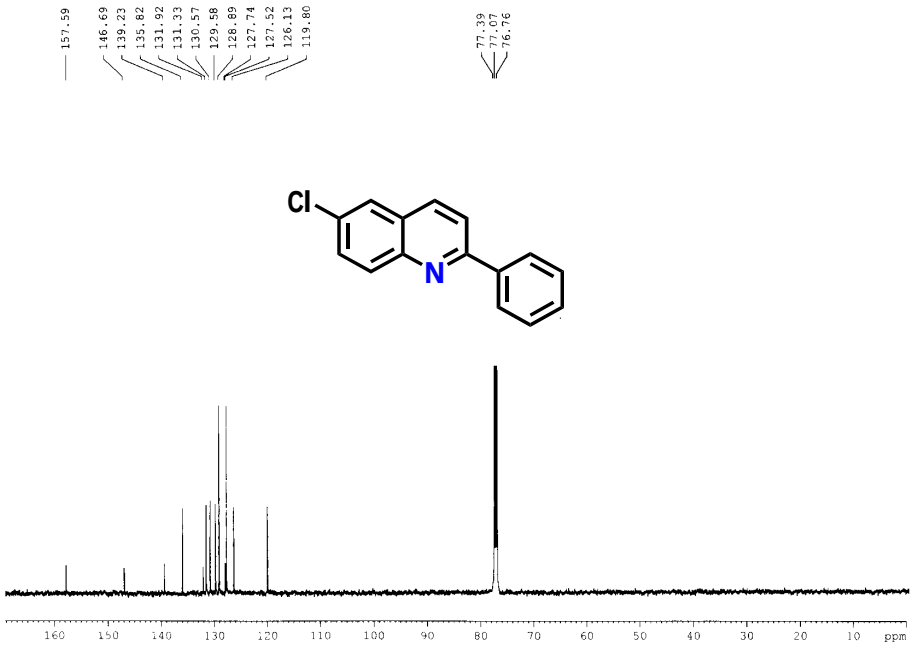


Fig S64. ^{13}C NMR spectrum of compound **3fa** (125 MHz,$CDCl_3$).

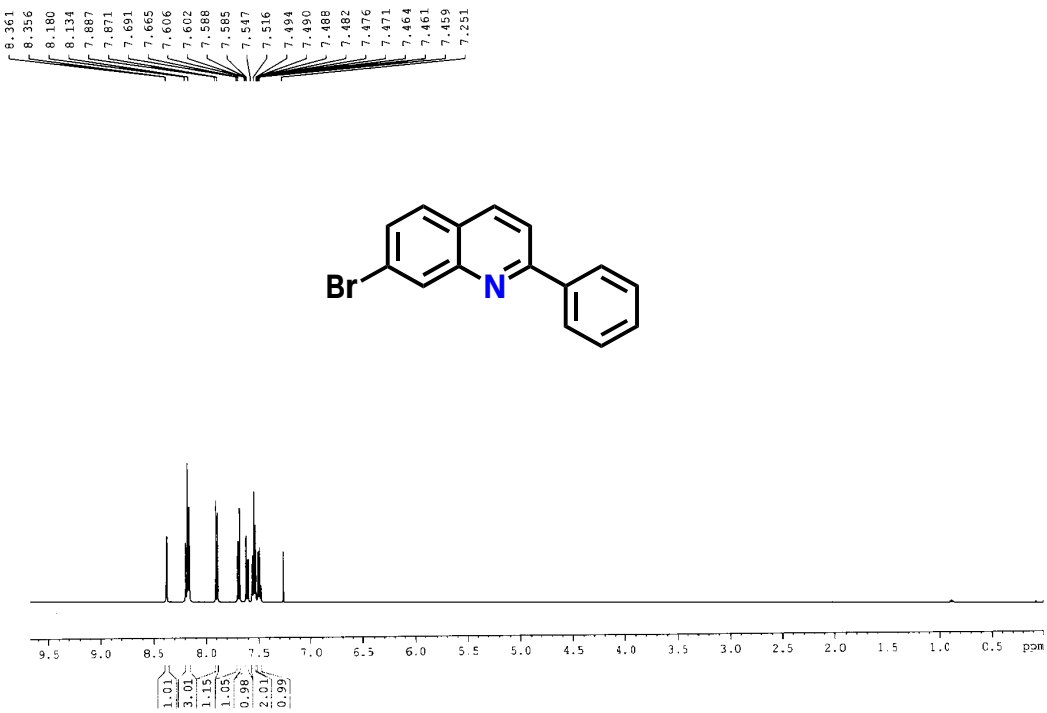


Fig S65. ^{1}H NMR spectrum of compound **3ga** (400 MHz,$CDCl_3$).

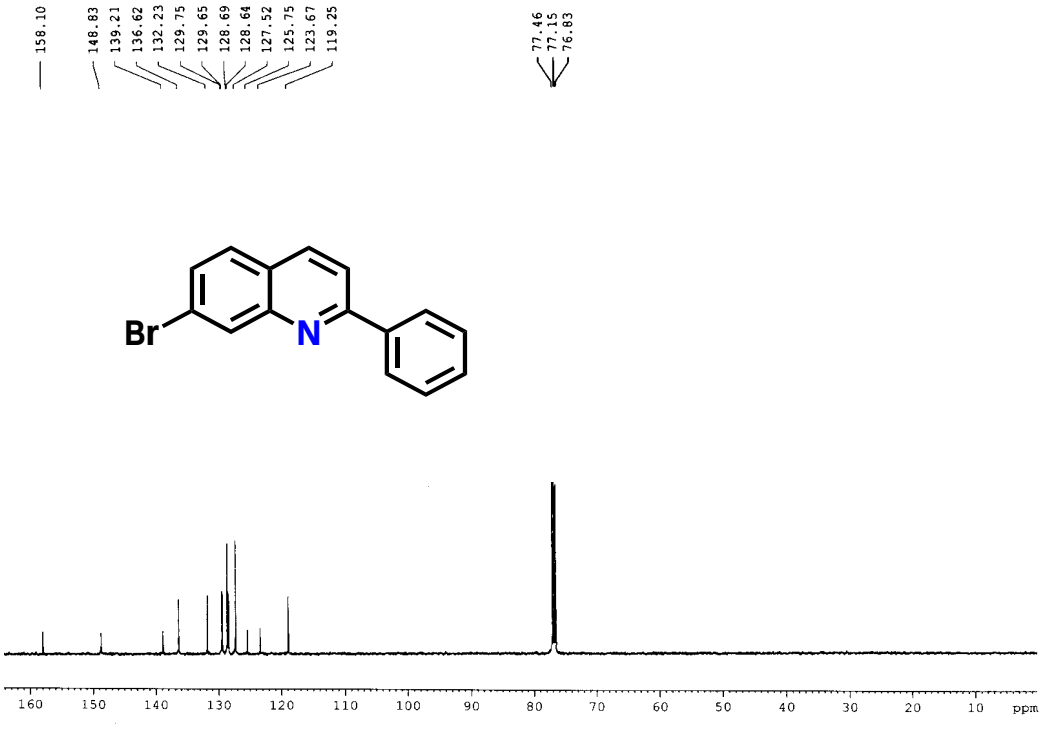


Fig S66. ^{13}C NMR spectrum of compound **3ga** (100 MHz,$CDCl_3$).

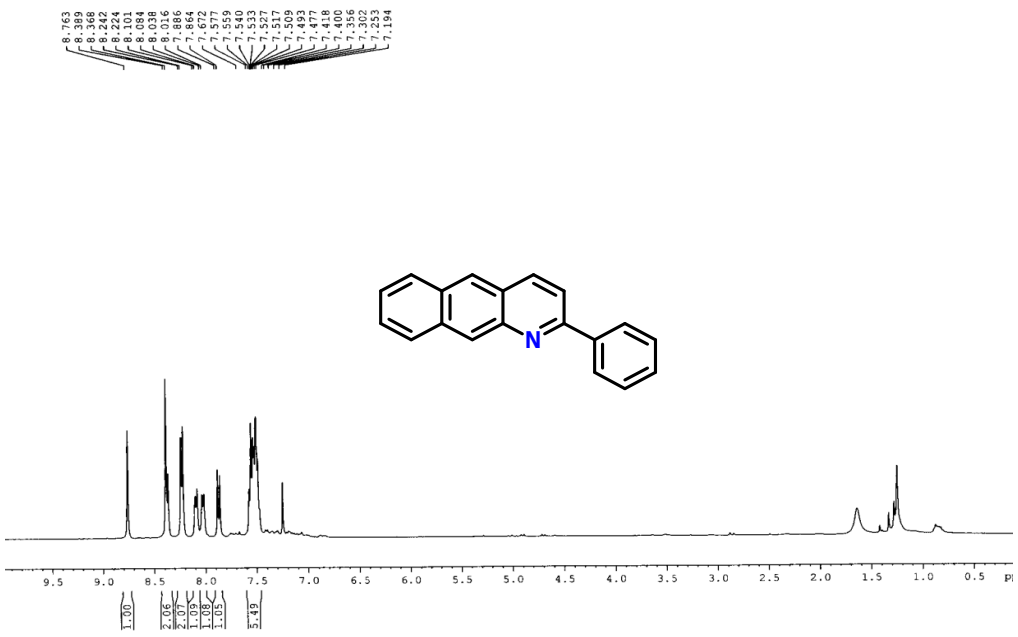


Fig S67. ^{1}H NMR spectrum of compound **3ha** (400 MHz,$CDCl_3$).

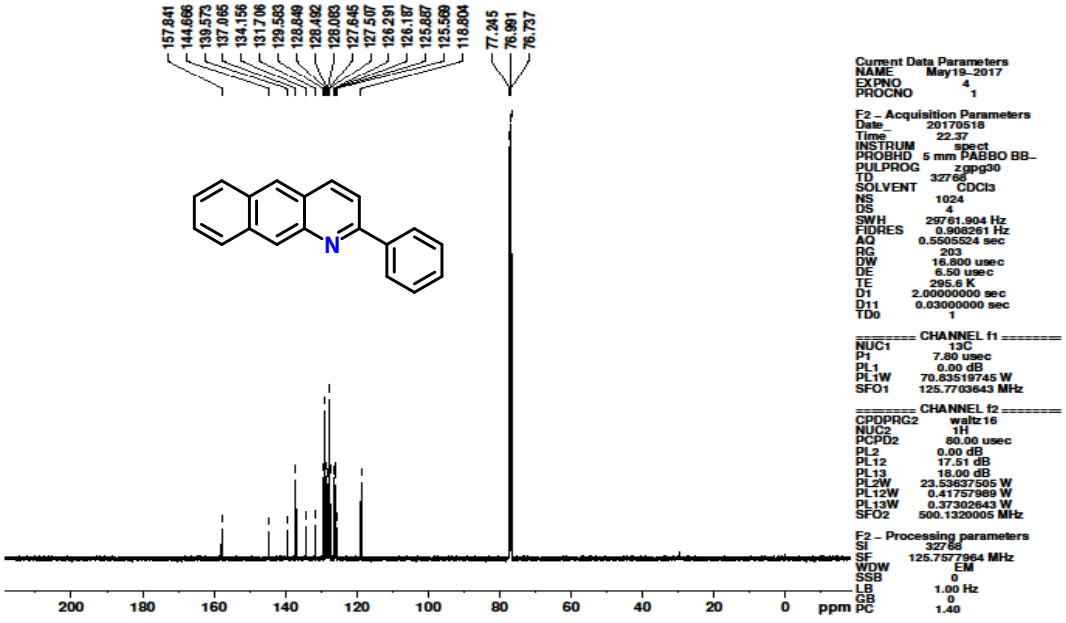
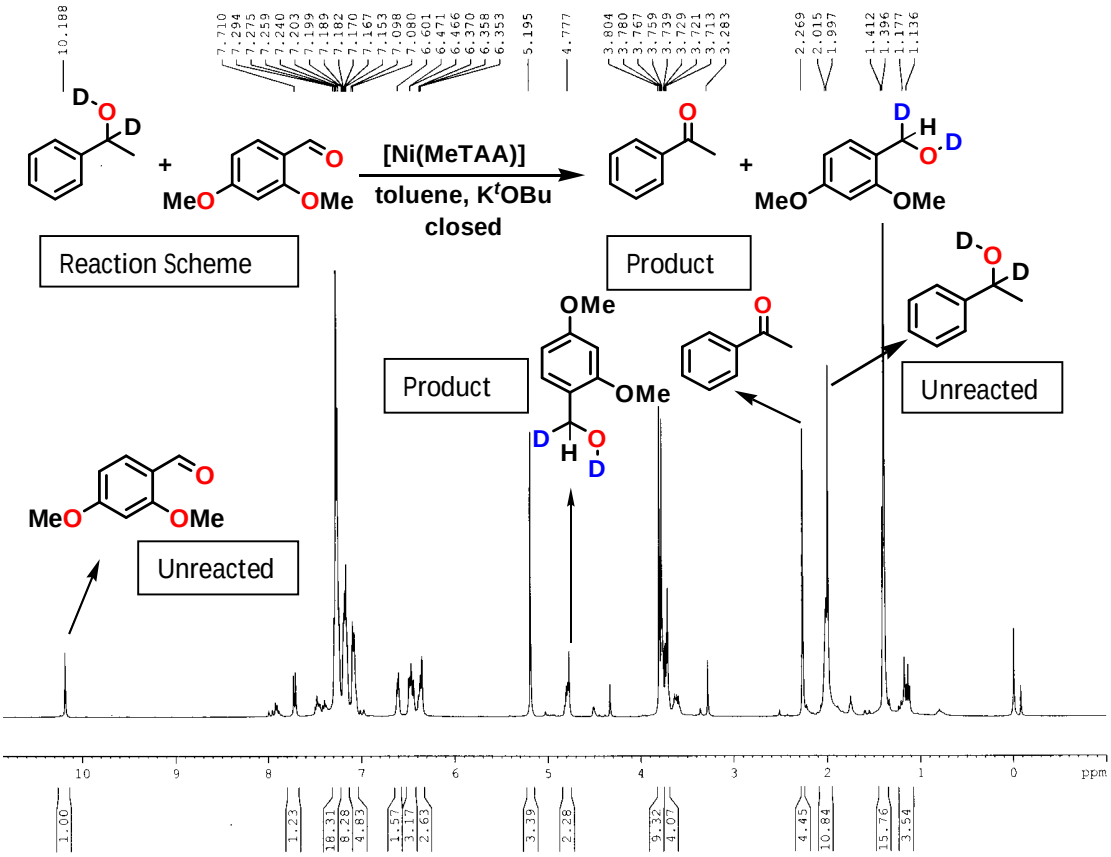
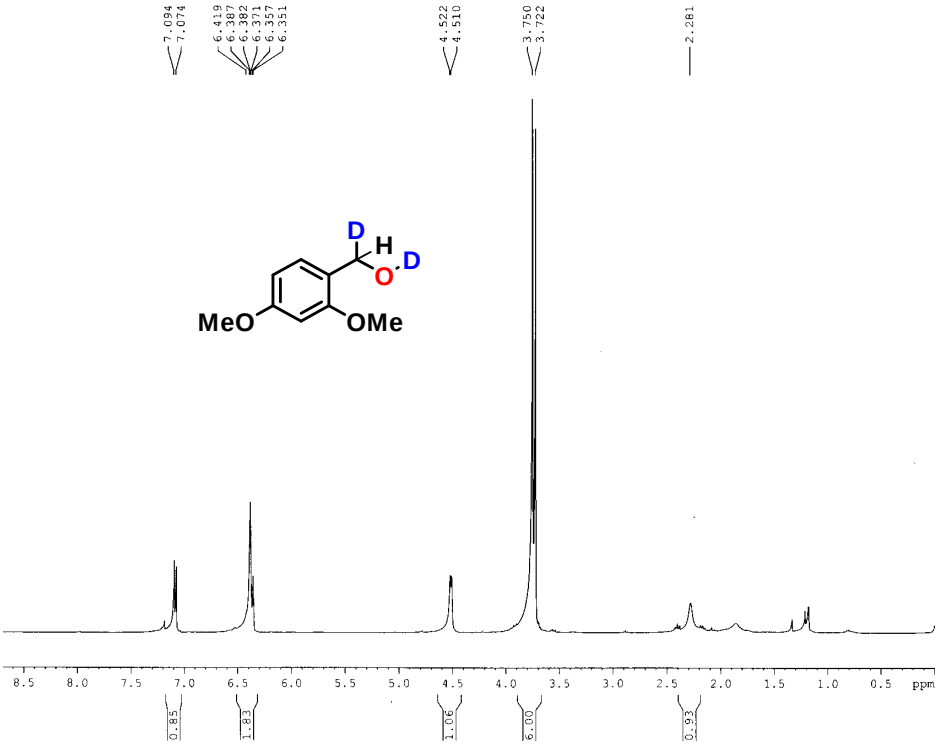


Fig S68. ^{13}C NMR spectrum of compound **3ha** (125 MHz,$CDCl_3$).


[Ni(MeTAA)]
toluene, K^{t}OBu
closed
Reaction Scheme
Product
Product
Unreacted
Unreacted
ppm


ppm

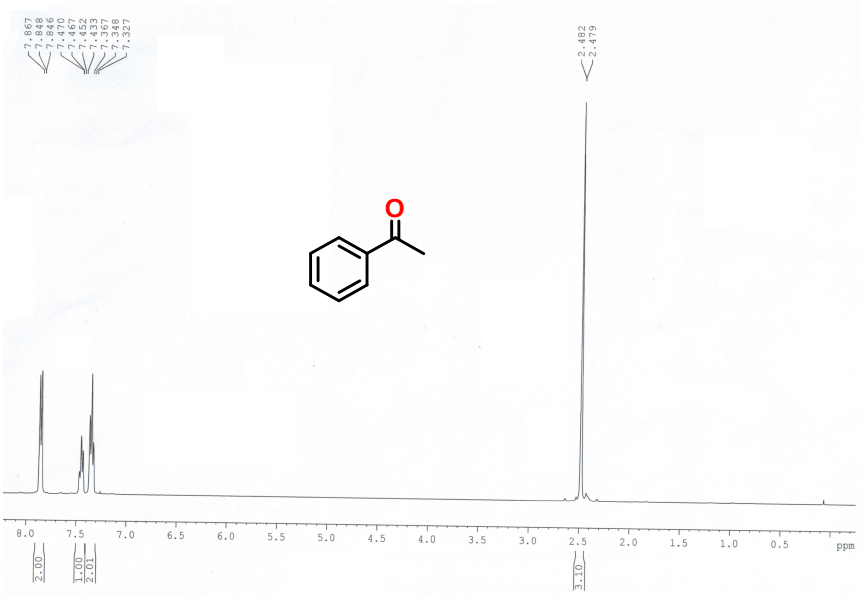


Fig S69. ^{1}H NMR spectrum of reaction mixture and isolated pure products.(**Scheme 3d**)

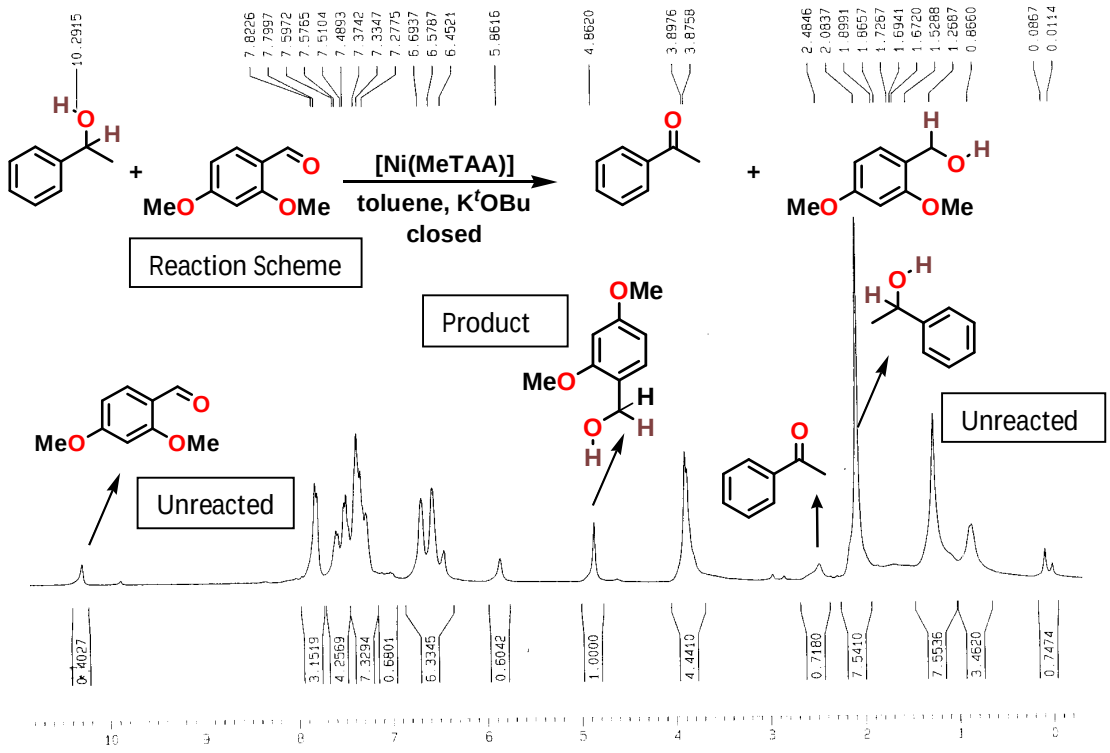


Fig S70. ^{1}H NMR spectrum of reaction mixture (**Scheme 3a**)

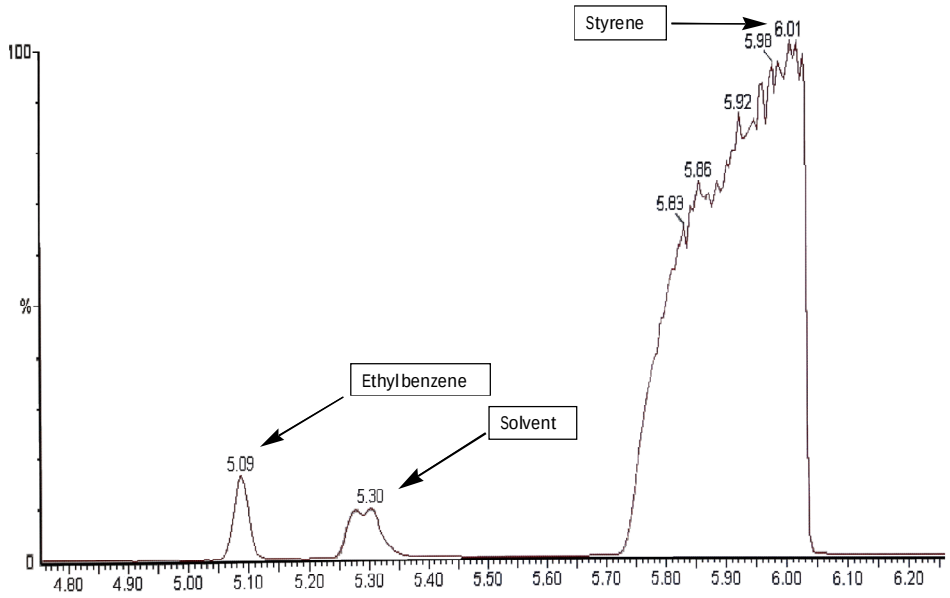


Fig S71. GC-MS of the reaction mixture containing styrene and ethyl benzene during quinoline formation from *o*-aminobenzyl alcohol and 1-phenylethanol.

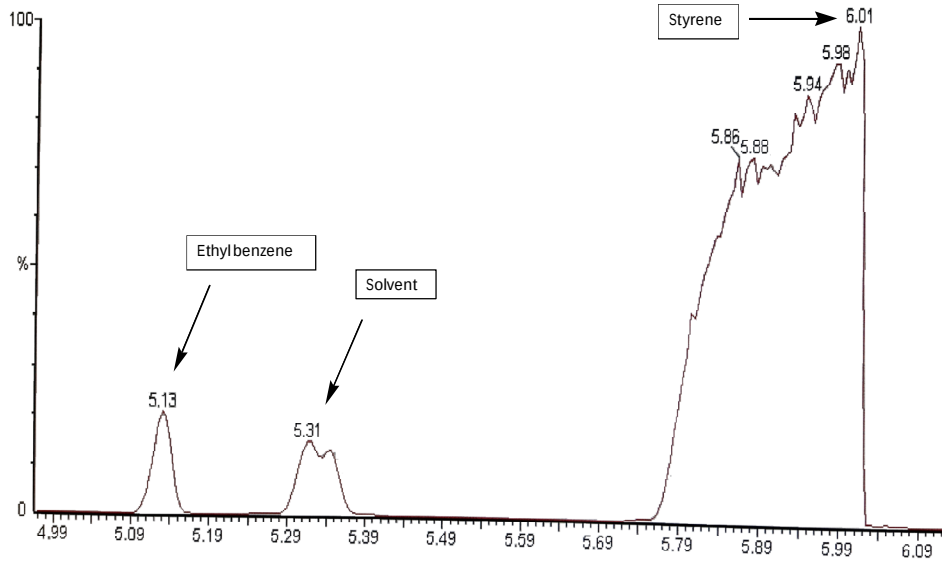


Fig S72. GC-MS of the reaction mixture containing styrene and ethyl benzene during quinoline formation from *o*-aminobenzyl alcohol and acetophenone.