

*Supporting Information for:*

**Suzuki-type Cross-Coupling Reaction of Unprotected 3-Iodoindazoles with Pinacol Vinyl Boronate: An Expeditive C-3 Vinylation of Indazoles under Microwave Irradiation.**

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## 1. NMR data of all compounds

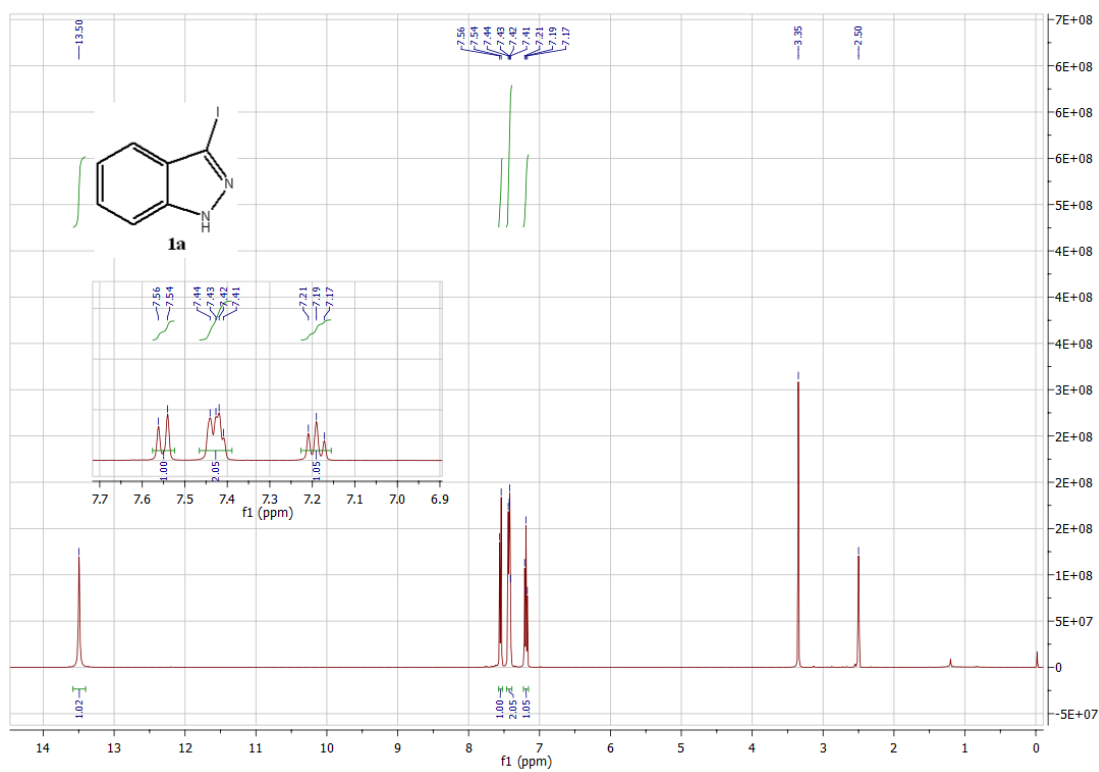


Figure S1. <sup>1</sup>H-NMR spectrum of **1a**

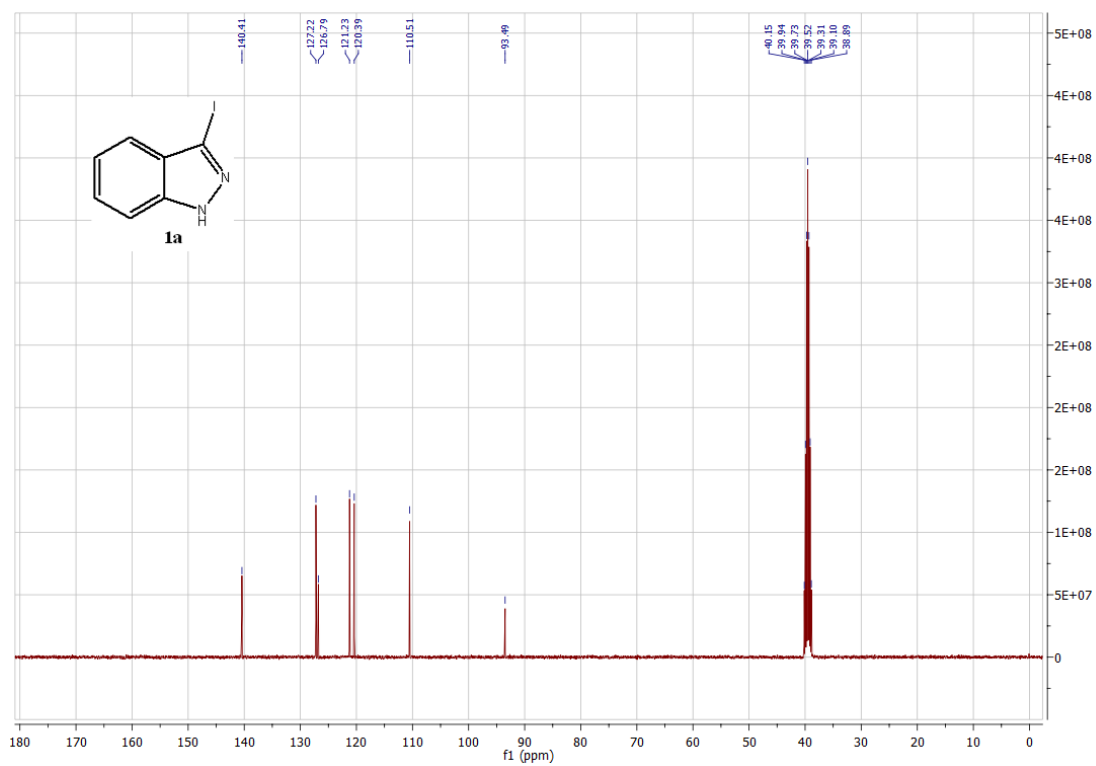


Figure S2. <sup>13</sup>C-NMR spectrum of **1a**

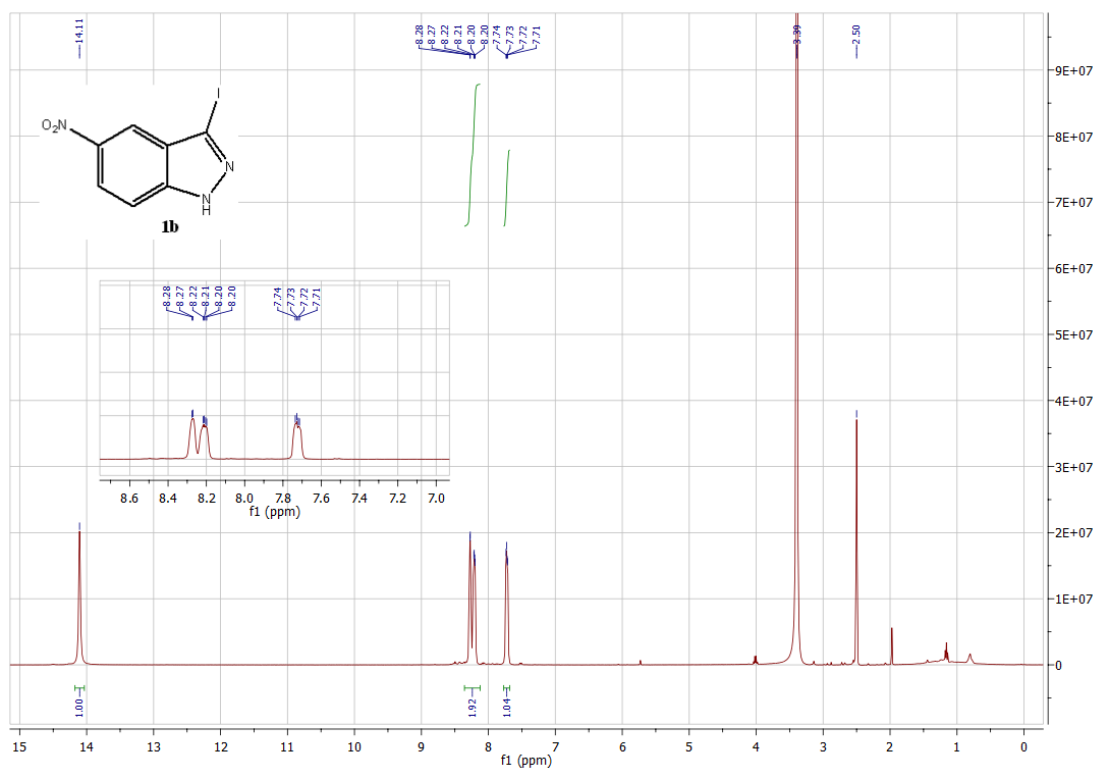


Figure S3. <sup>1</sup>H-NMR spectrum of **1b**

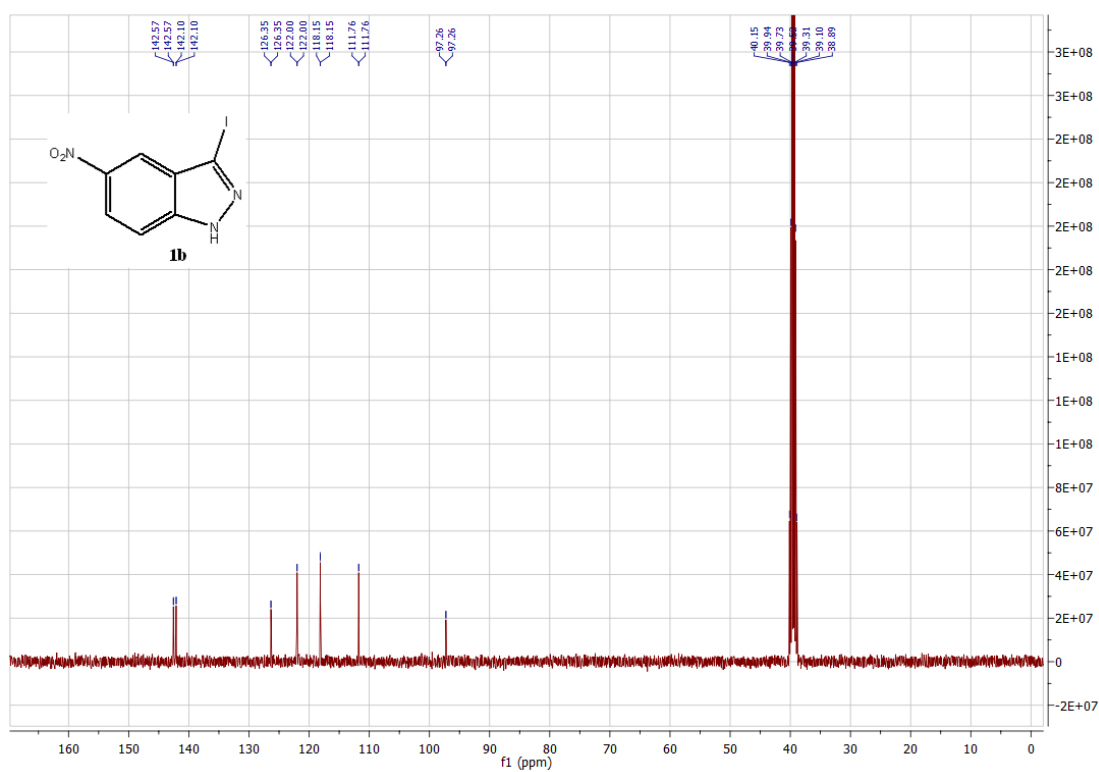


Figure S4. <sup>13</sup>C-NMR spectrum of **1b**

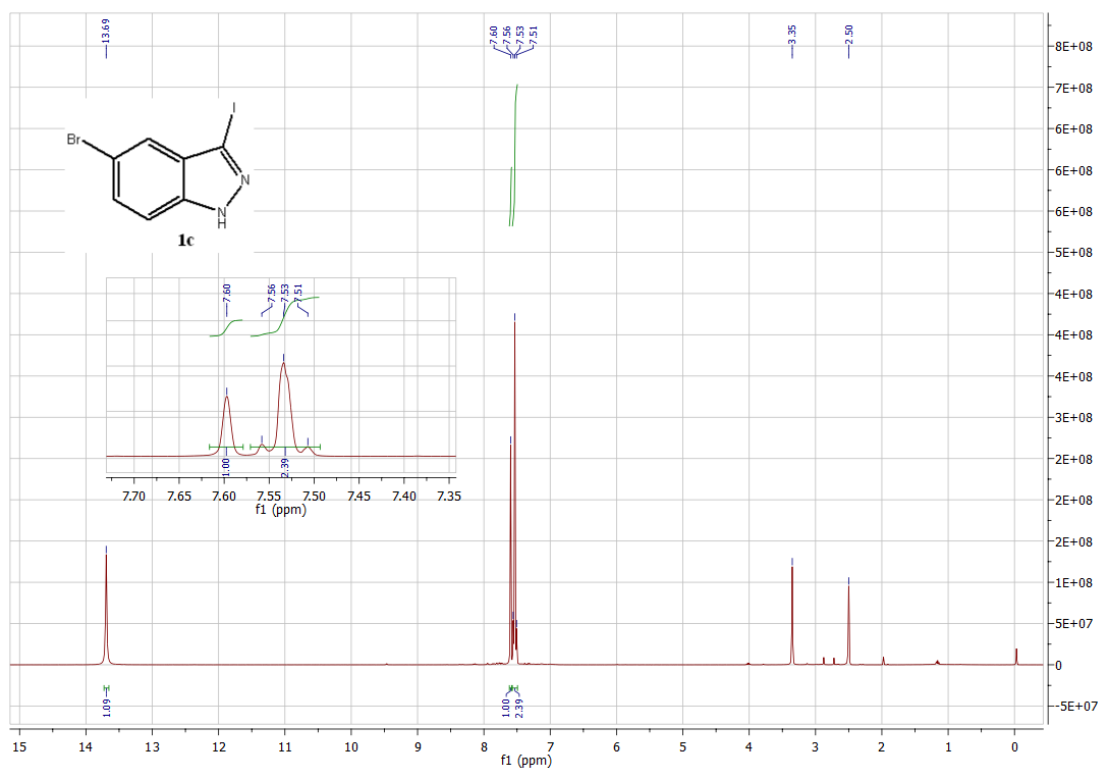


Figure S5. <sup>1</sup>H-NMR spectrum of **1c**

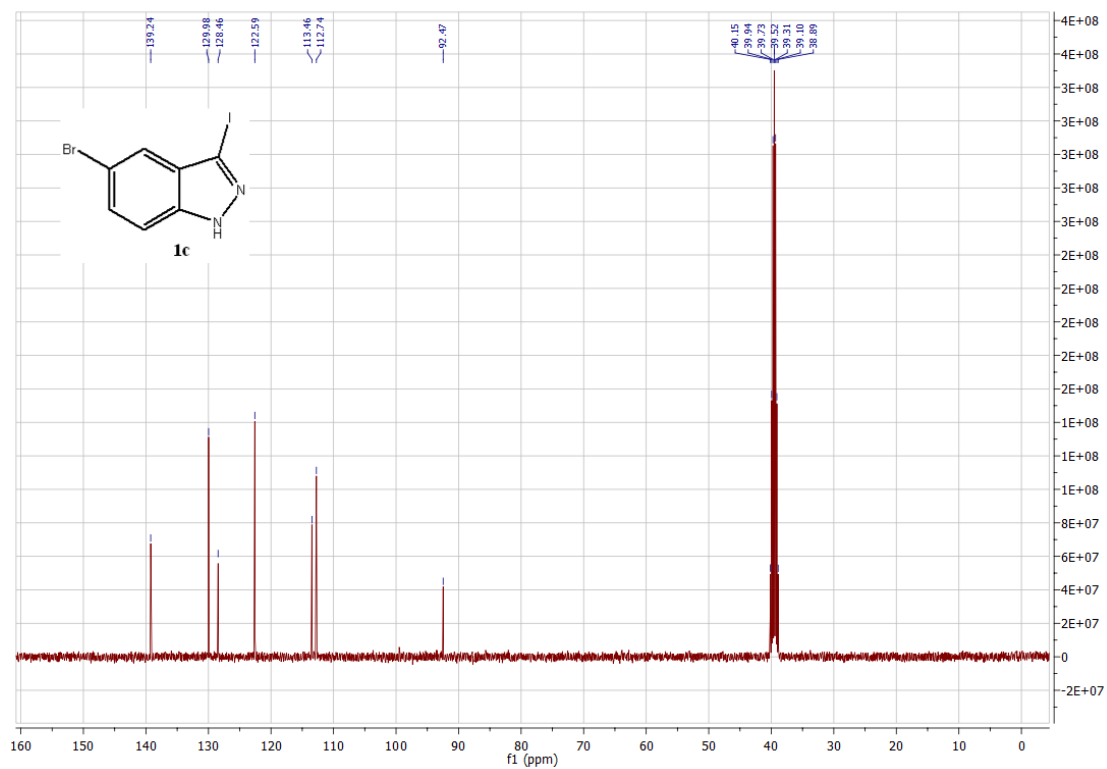


Figure S6. <sup>13</sup>C-NMR spectrum of **1c**

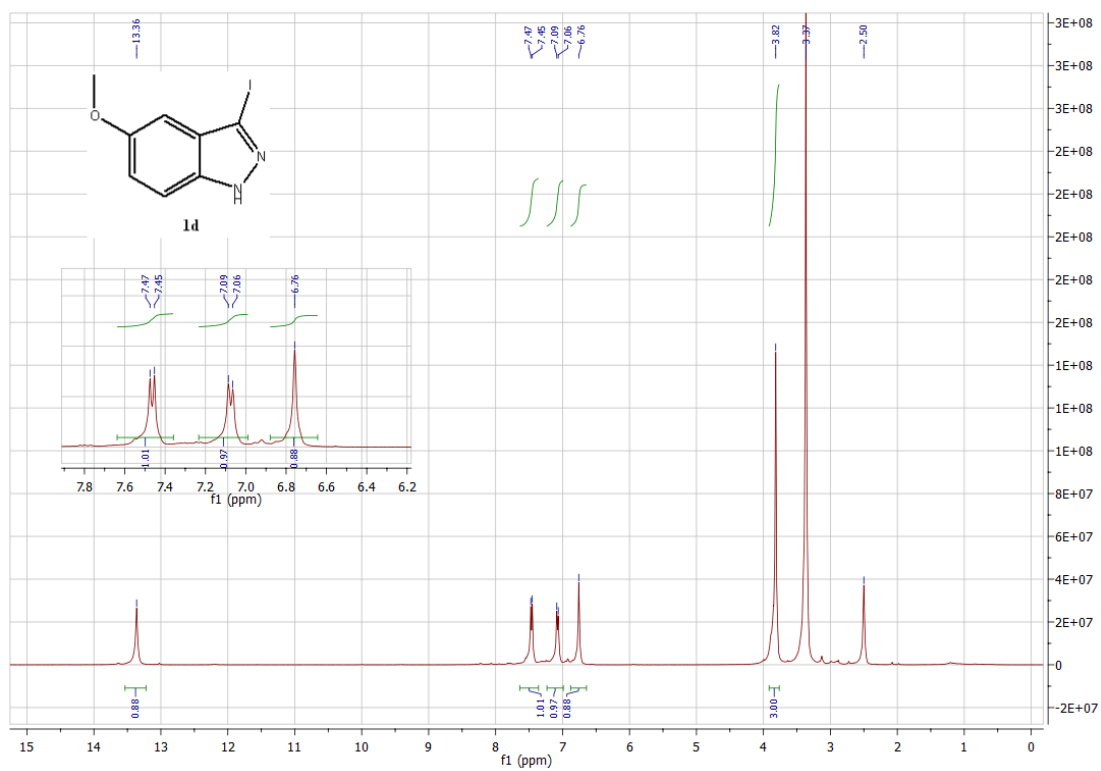


Figure S7. <sup>1</sup>H-NMR spectrum of **1d**

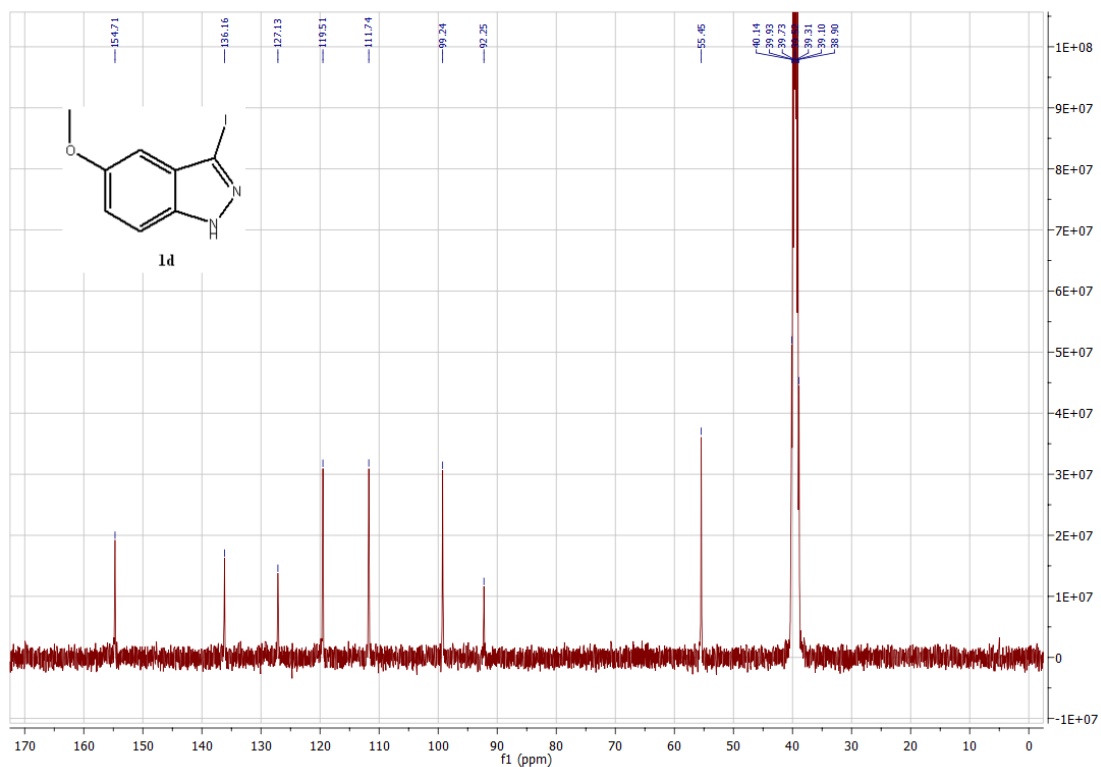


Figure S8. <sup>13</sup>C-NMR spectrum of **1d**

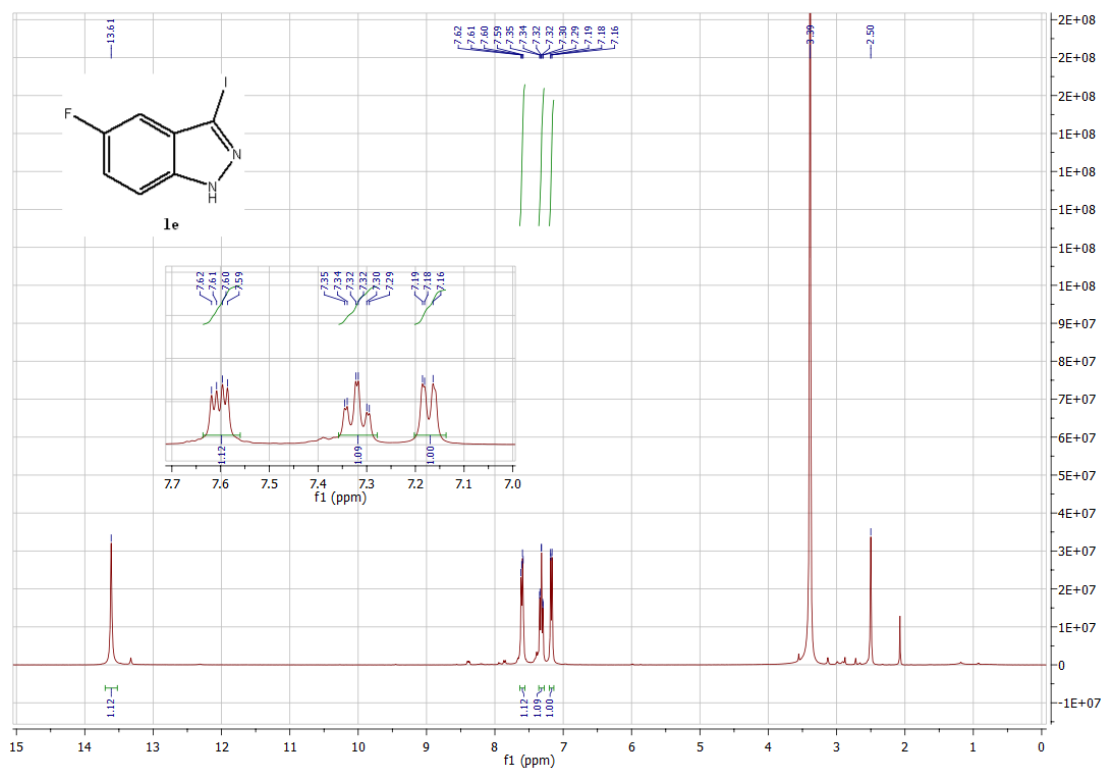


Figure S9.  $^1\text{H-NMR}$  spectrum of **1e**

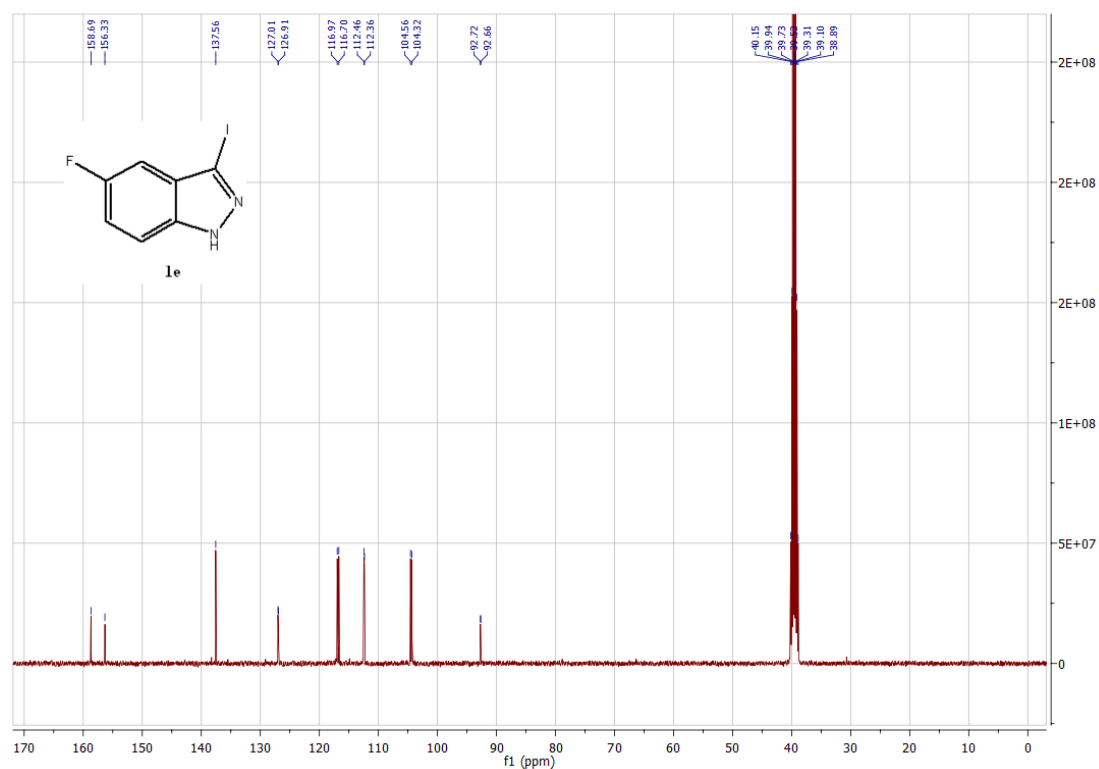


Figure S10.  $^{13}\text{C-NMR}$  spectrum of **1e**

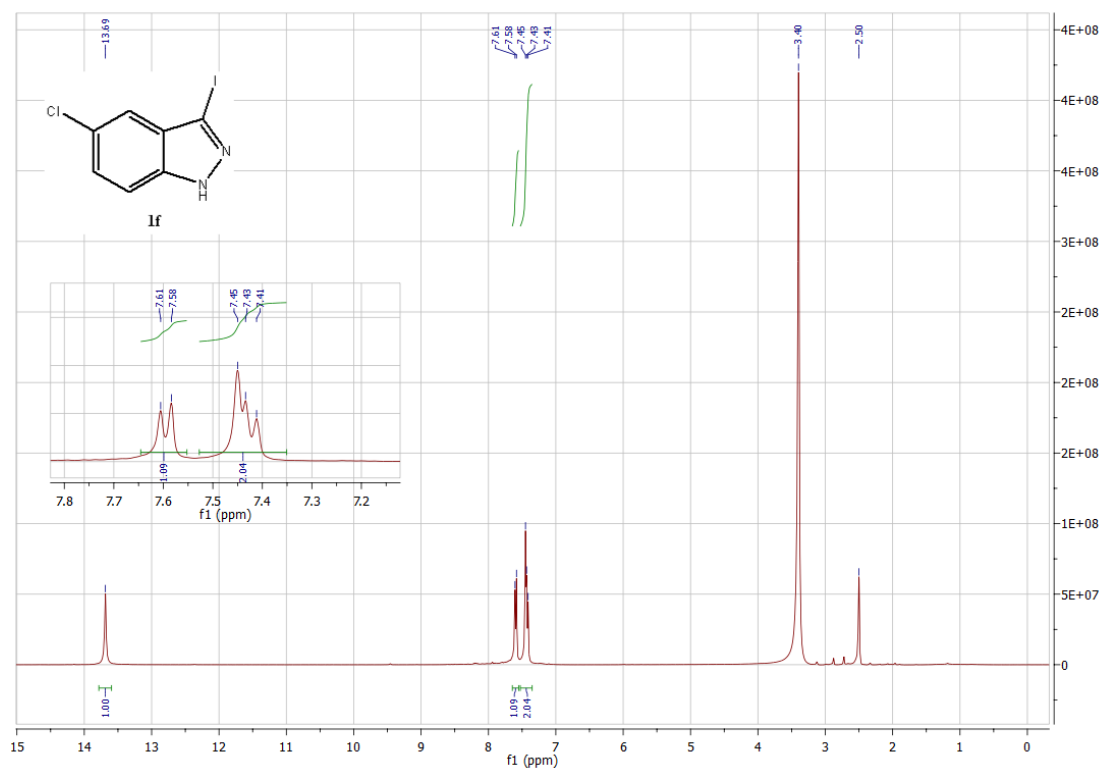


Figure S11. <sup>1</sup>H-NMR spectrum of **1f**

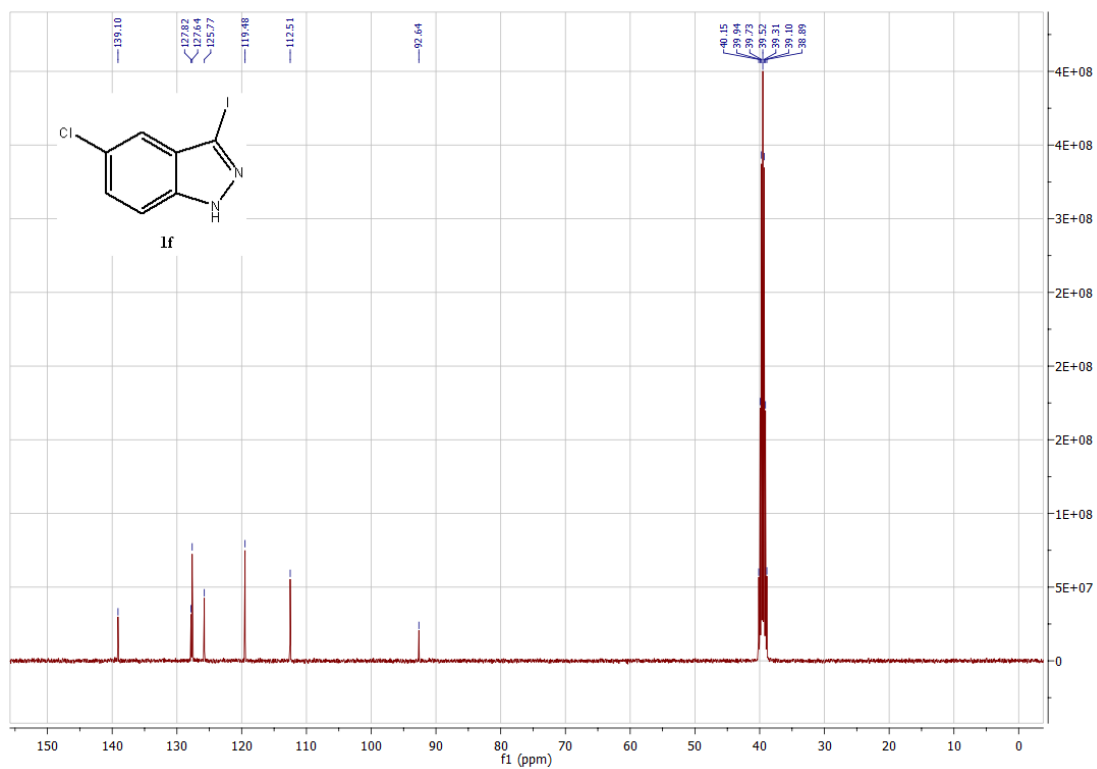


Figure S12. <sup>13</sup>C-NMR spectrum of **1f**

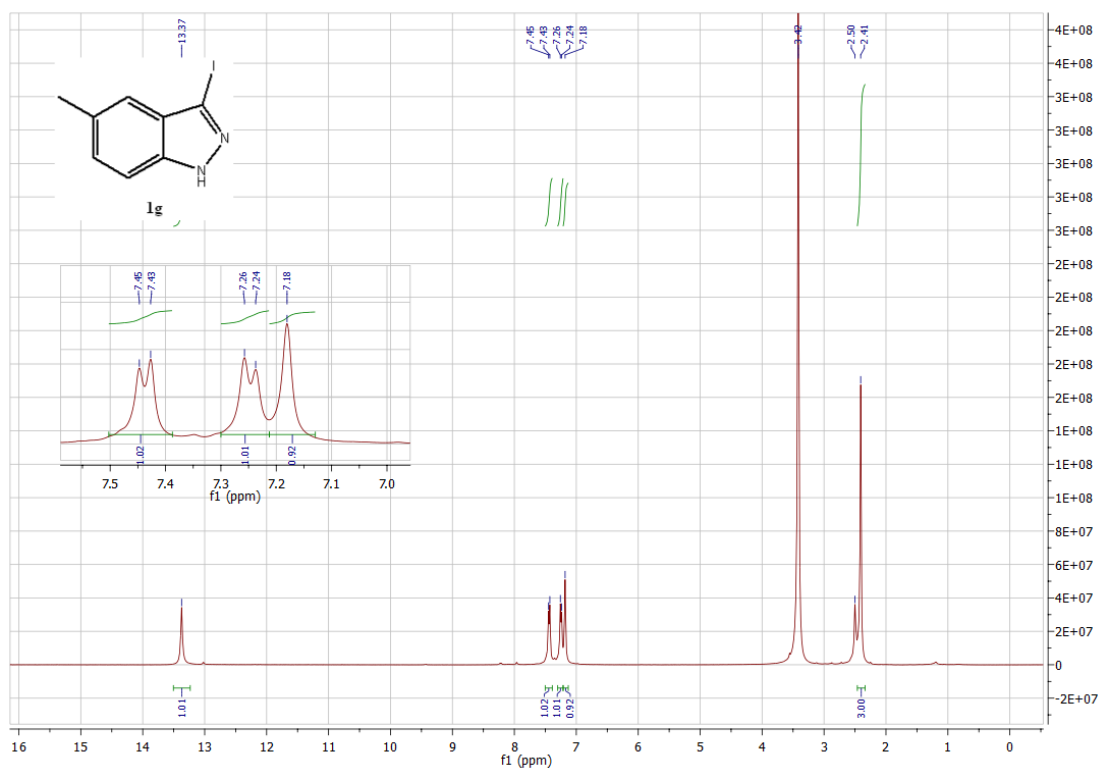


Figure S13. <sup>1</sup>H-NMR spectrum of 1g

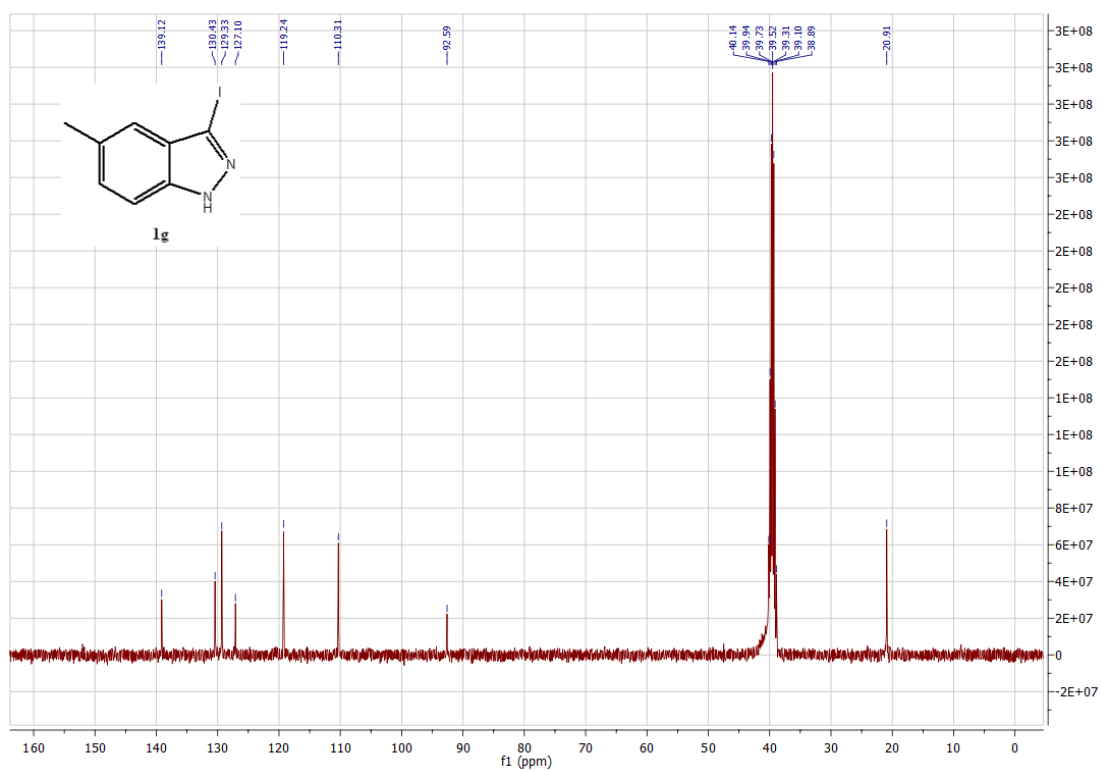


Figure S14. <sup>13</sup>C-NMR spectrum of 1g



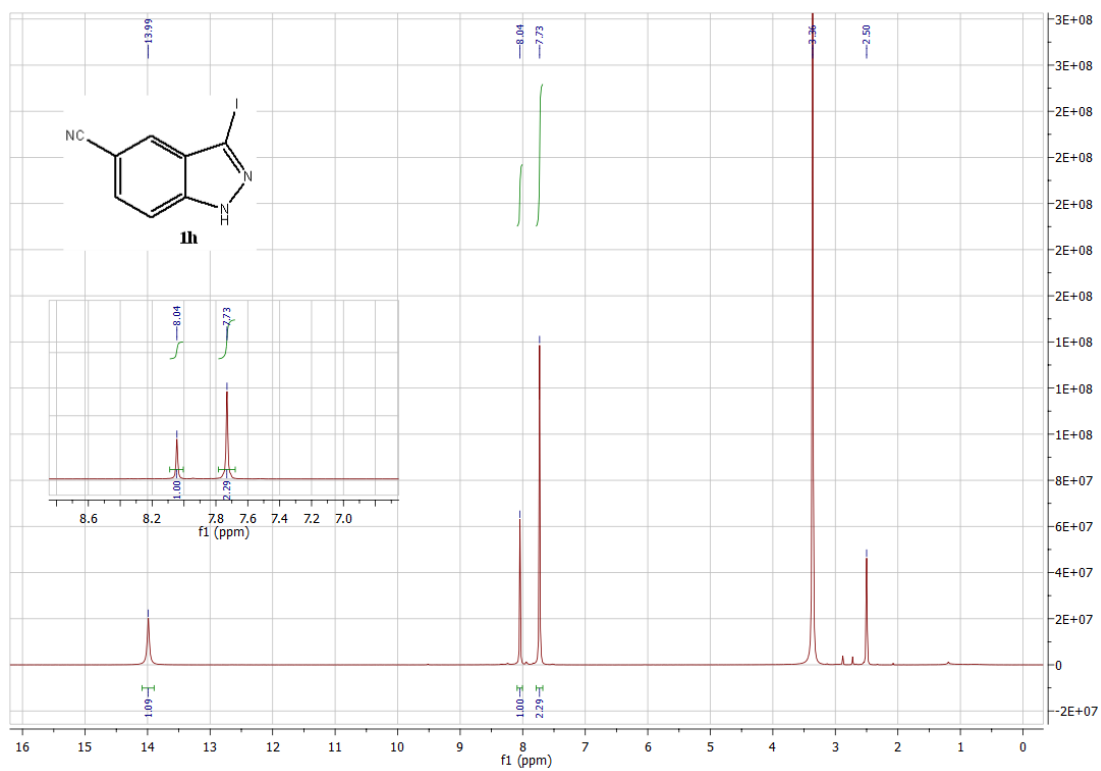


Figure S15. <sup>1</sup>H-NMR spectrum of **1h**

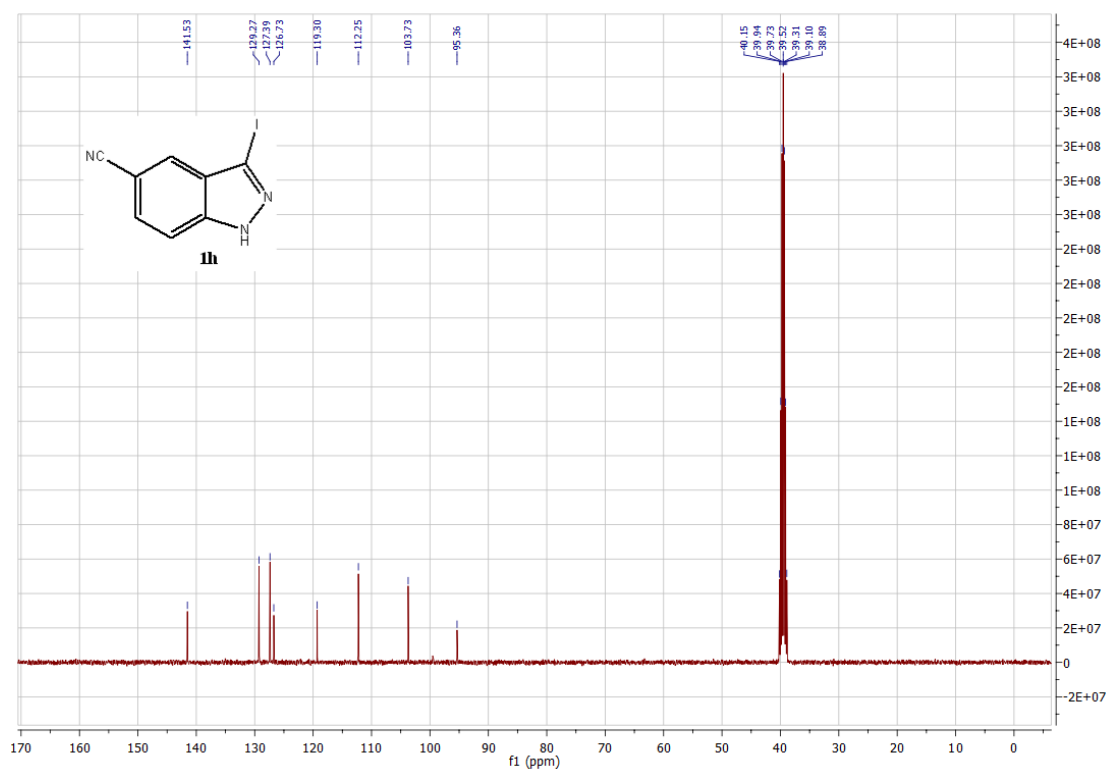


Figure S16. <sup>13</sup>C-NMR spectrum of **1h**

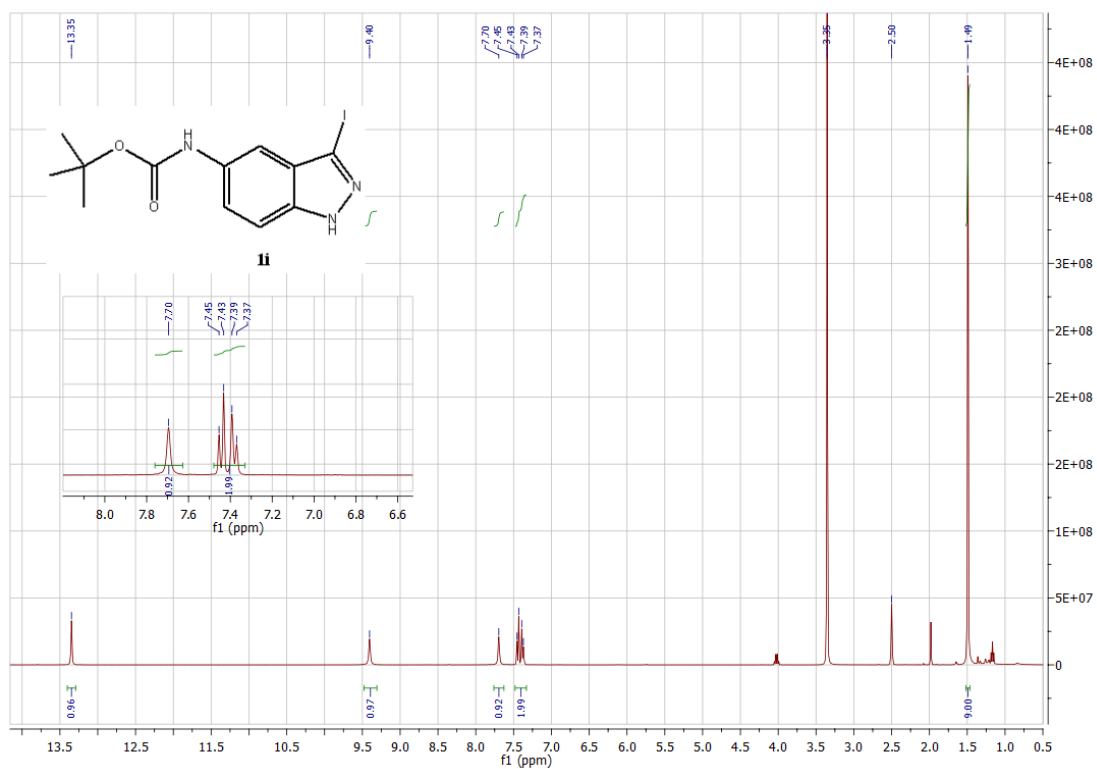


Figure S17. <sup>1</sup>H-NMR spectrum of 1i

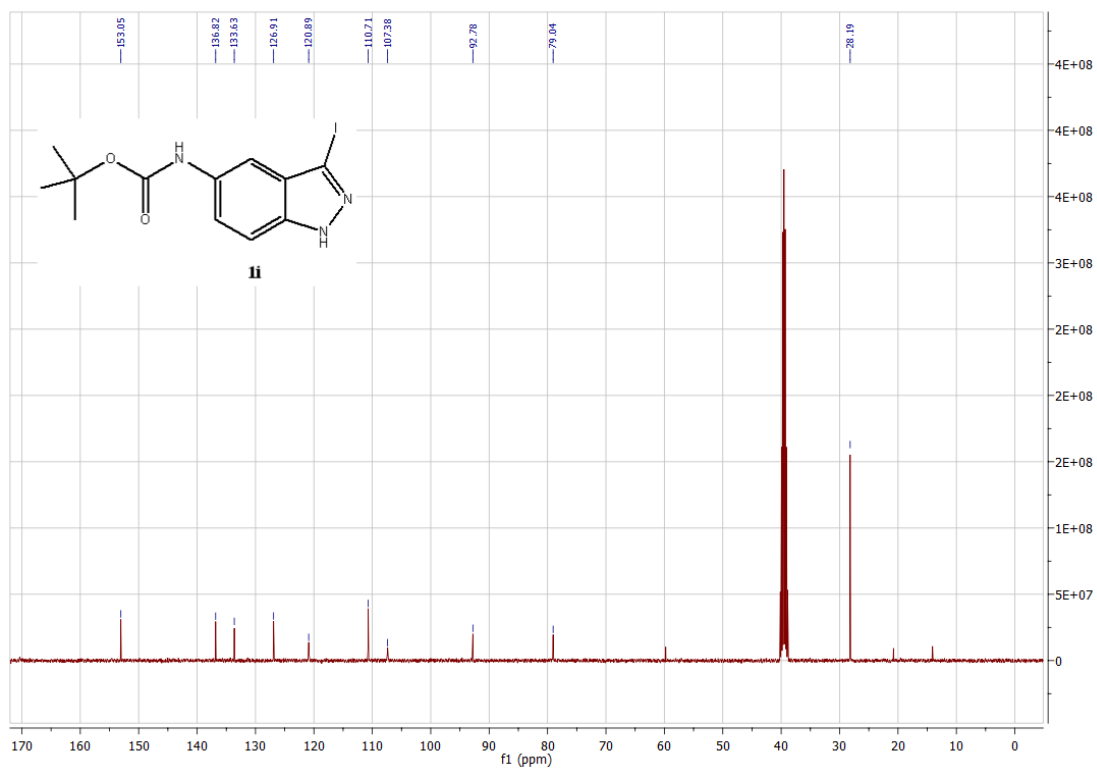


Figure S18. <sup>13</sup>C-NMR spectrum of 1i

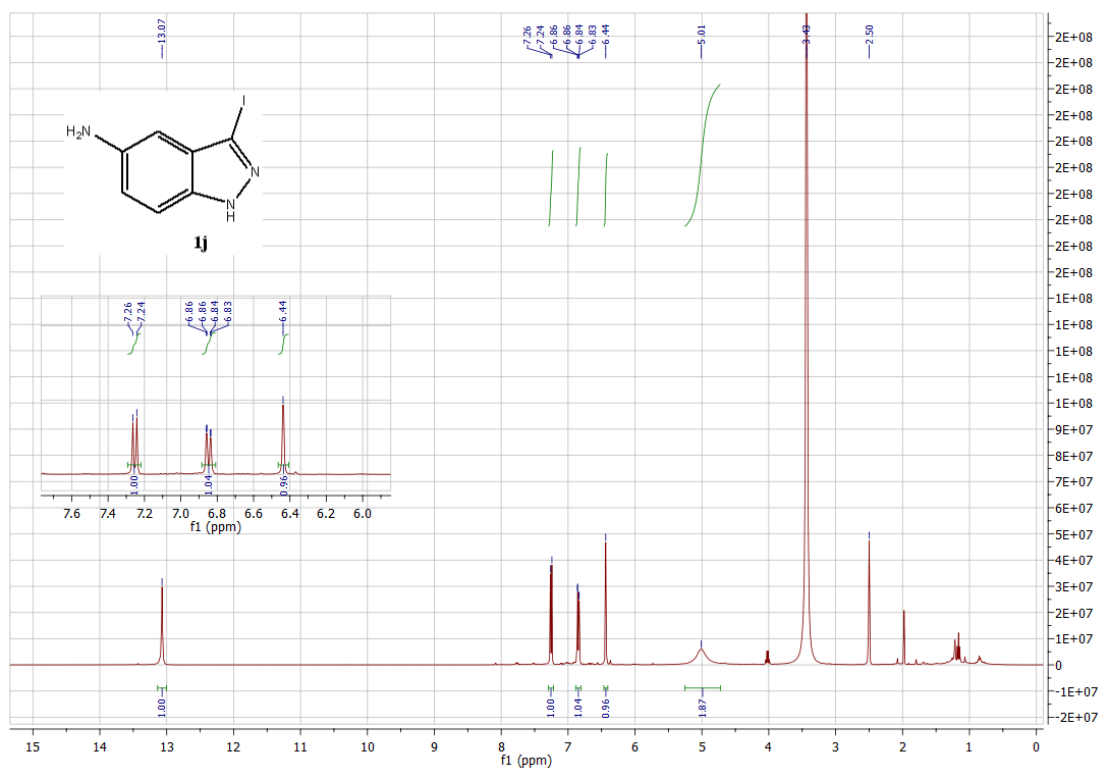


Figure S19. <sup>1</sup>H-NMR spectrum of **1j**

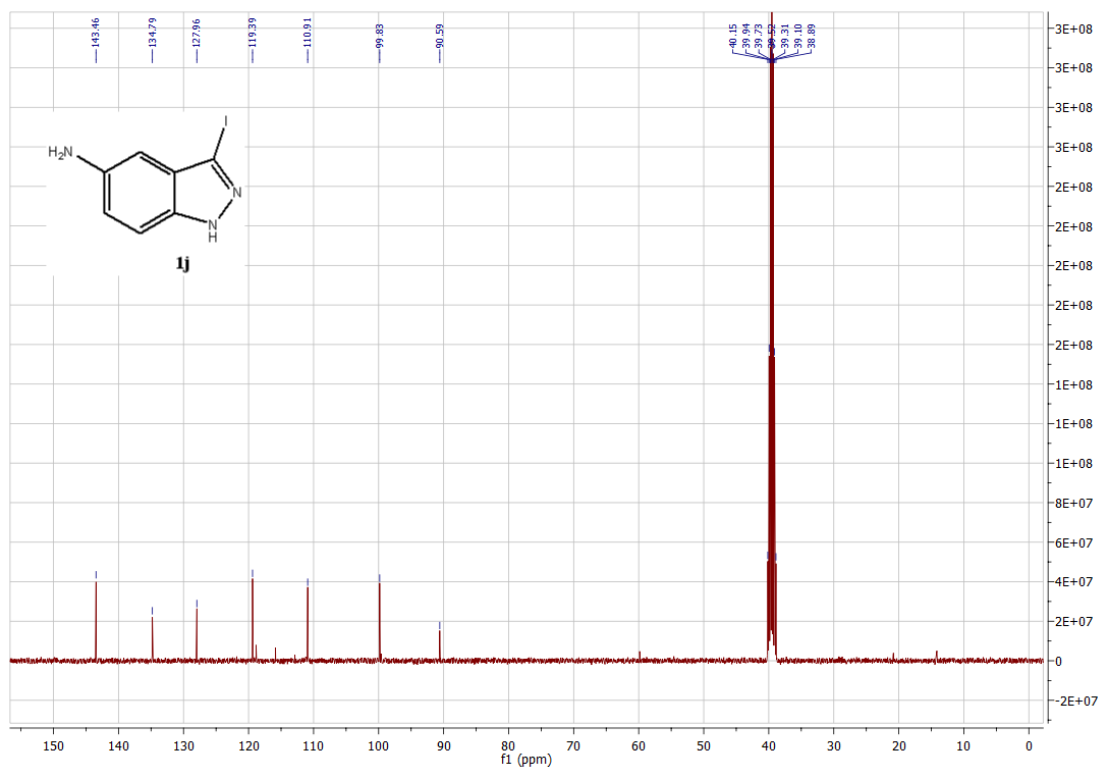


Figure S20. <sup>13</sup>C-NMR spectrum of **1j**

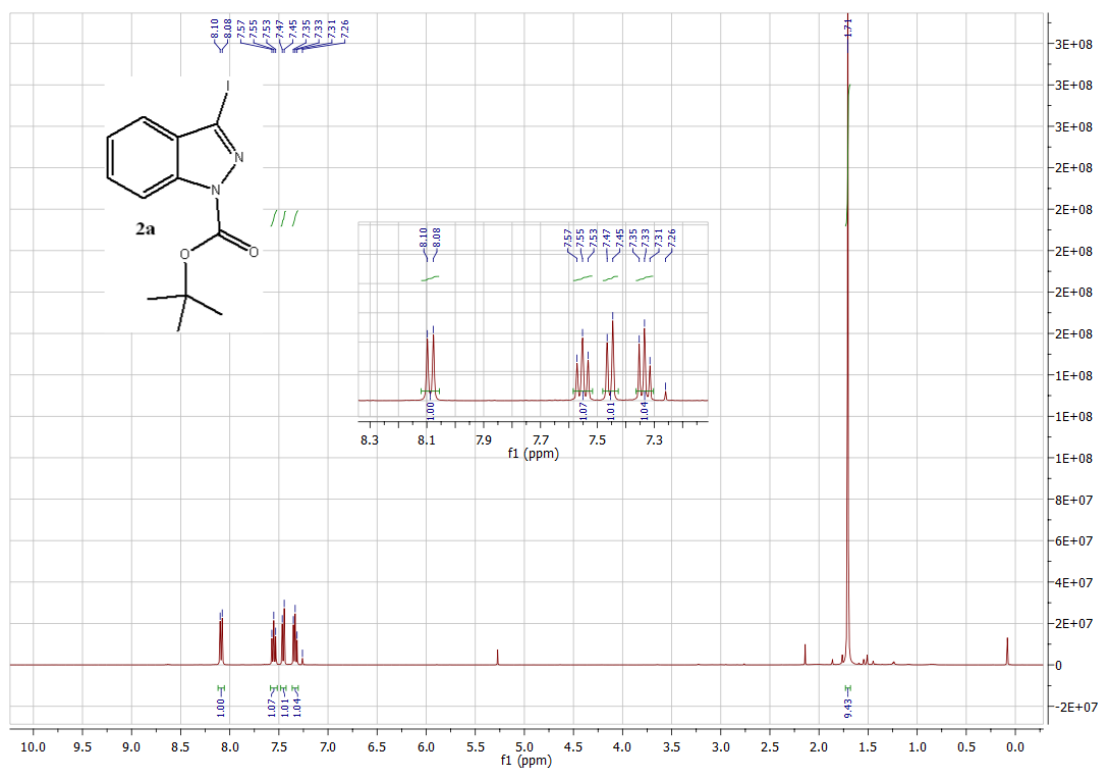


Figure S21. <sup>1</sup>H-NMR spectrum of 2a

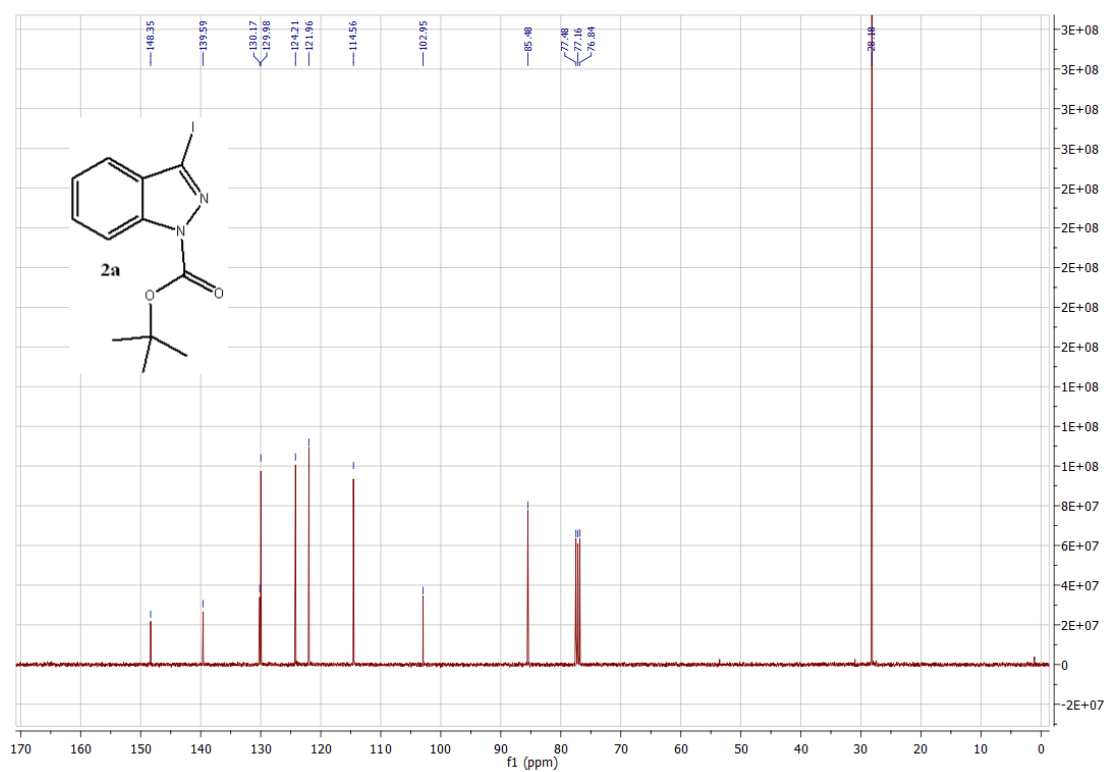


Figure S22. <sup>13</sup>C-NMR spectrum of 2a

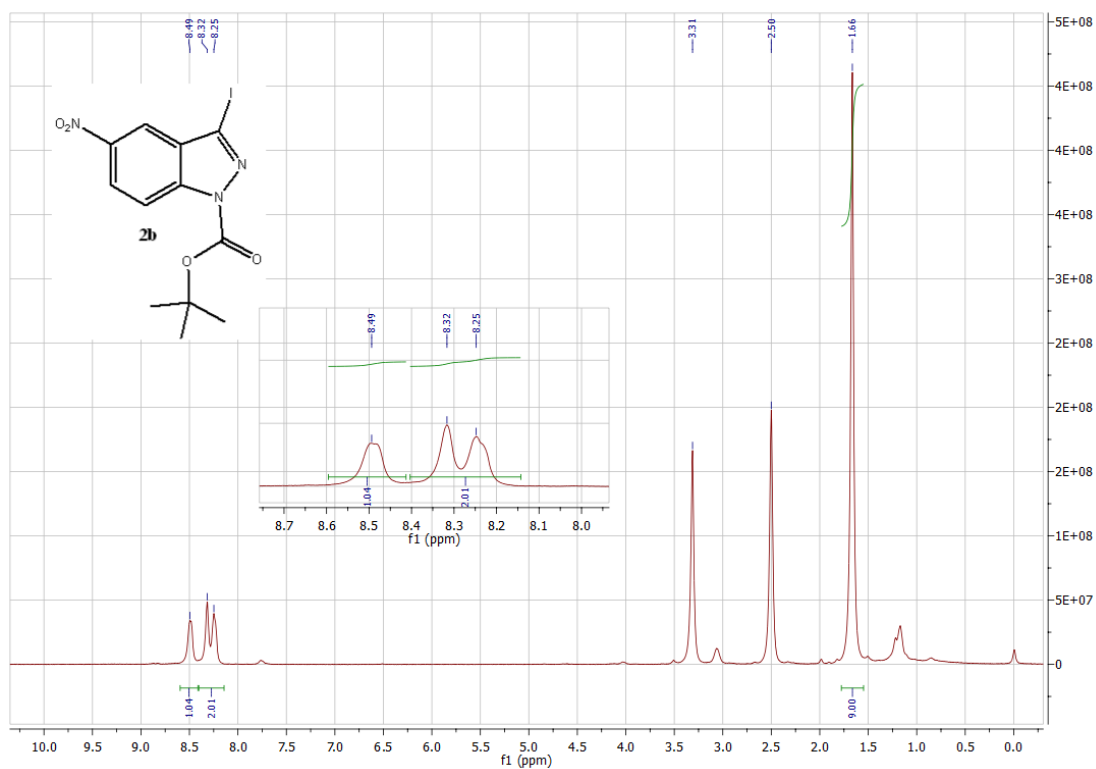


Figure S23. <sup>1</sup>H-NMR spectrum of **2b**

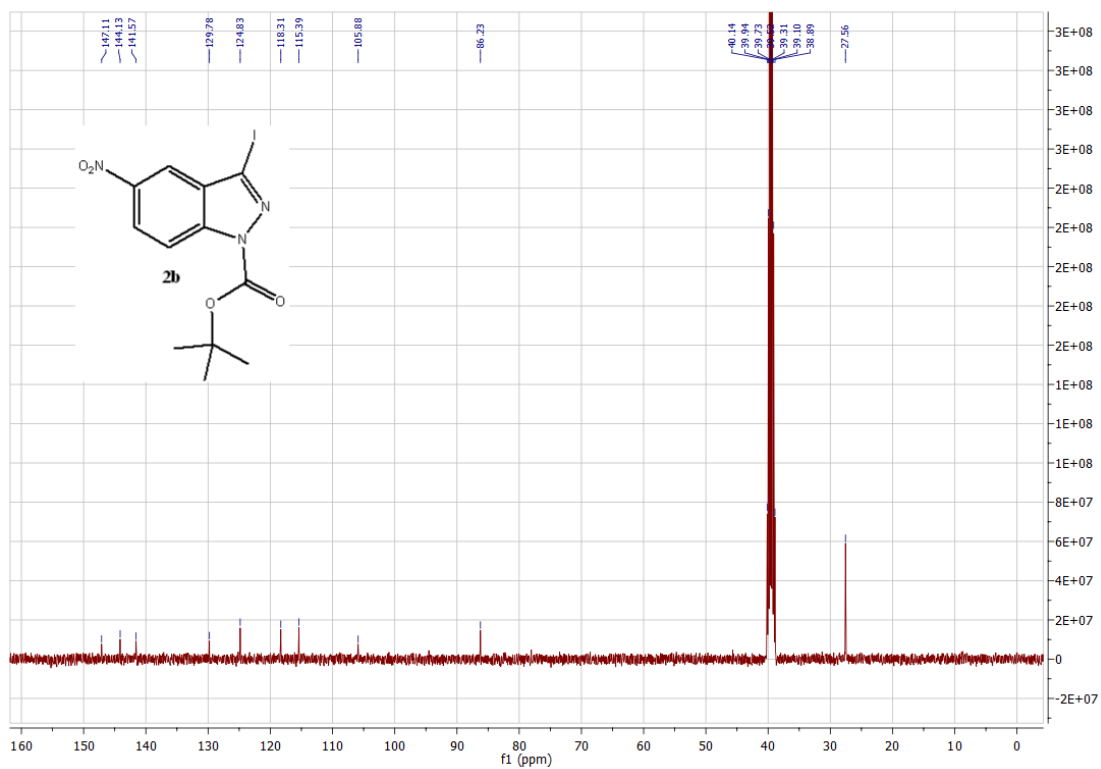
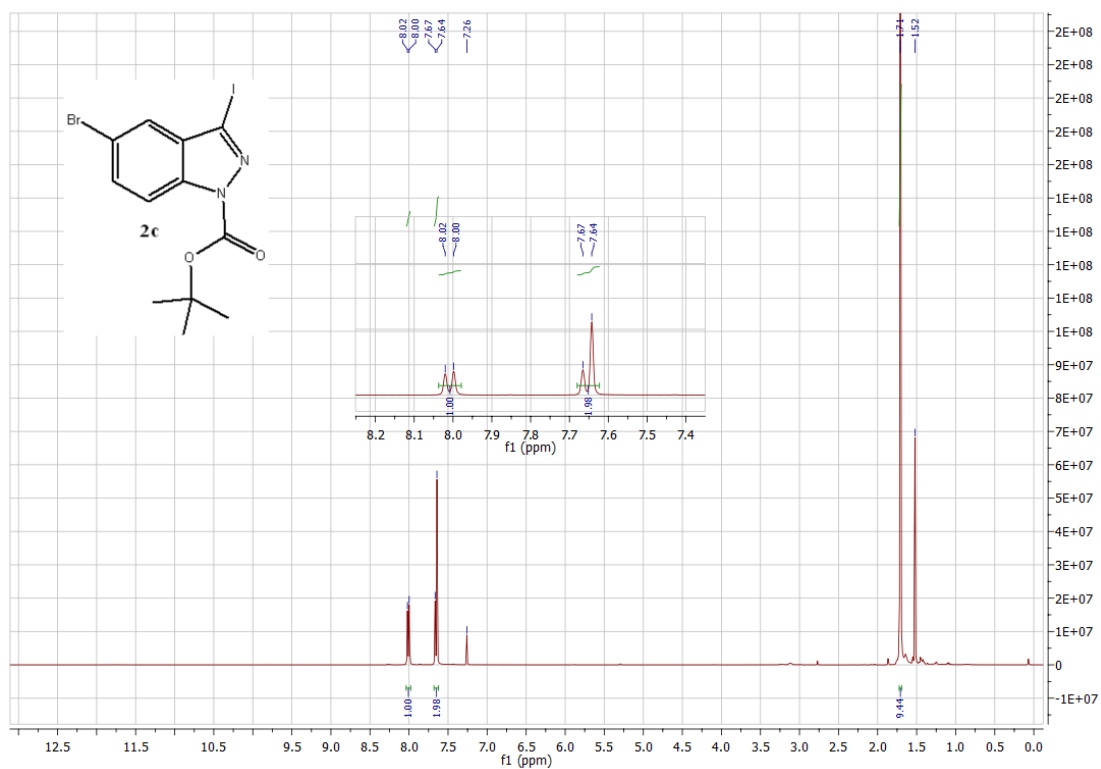
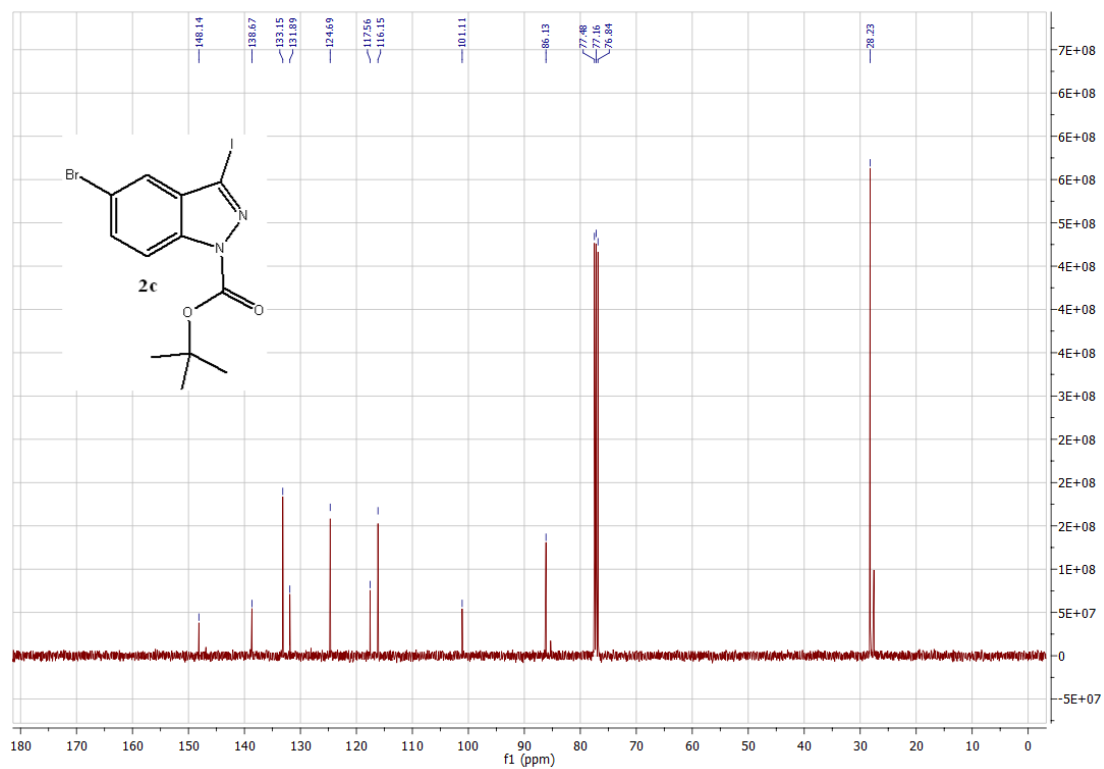


Figure S24. <sup>13</sup>C-NMR spectrum of **2b**



**Figure S25.  $^1\text{H-NMR}$  spectrum of **2c****



**Figure S26.  $^{13}\text{C-NMR}$  spectrum of **2c****

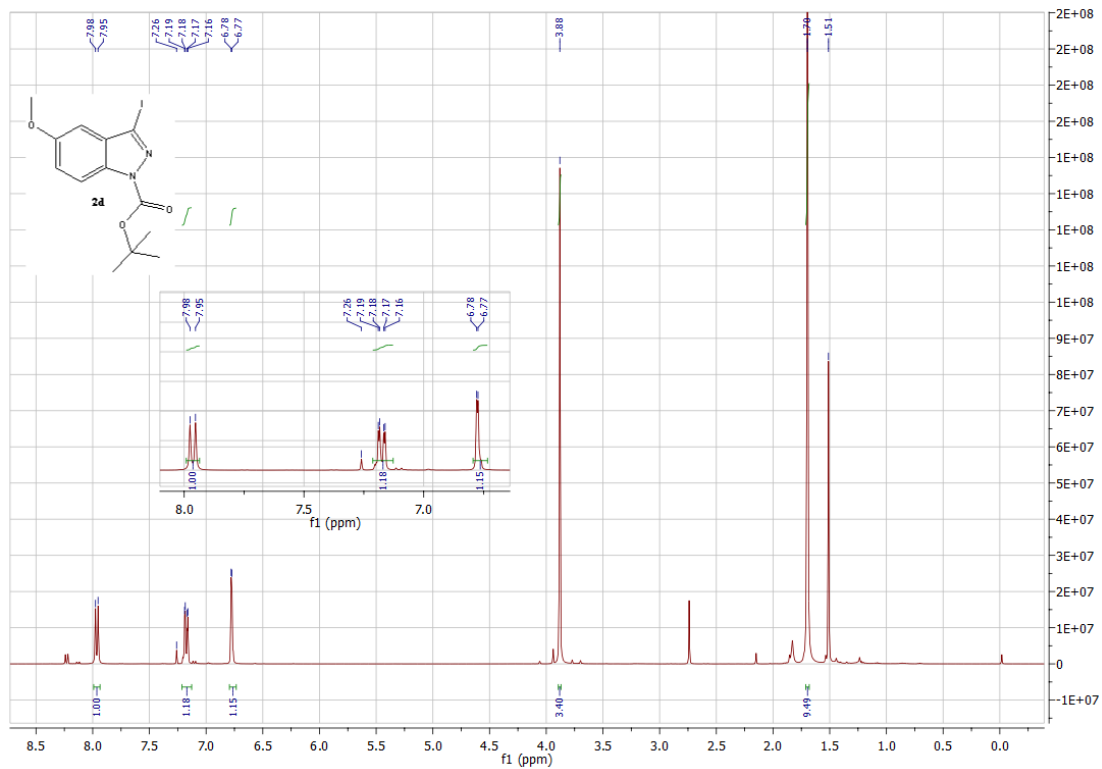


Figure S27. <sup>1</sup>H-NMR spectrum of **2d**

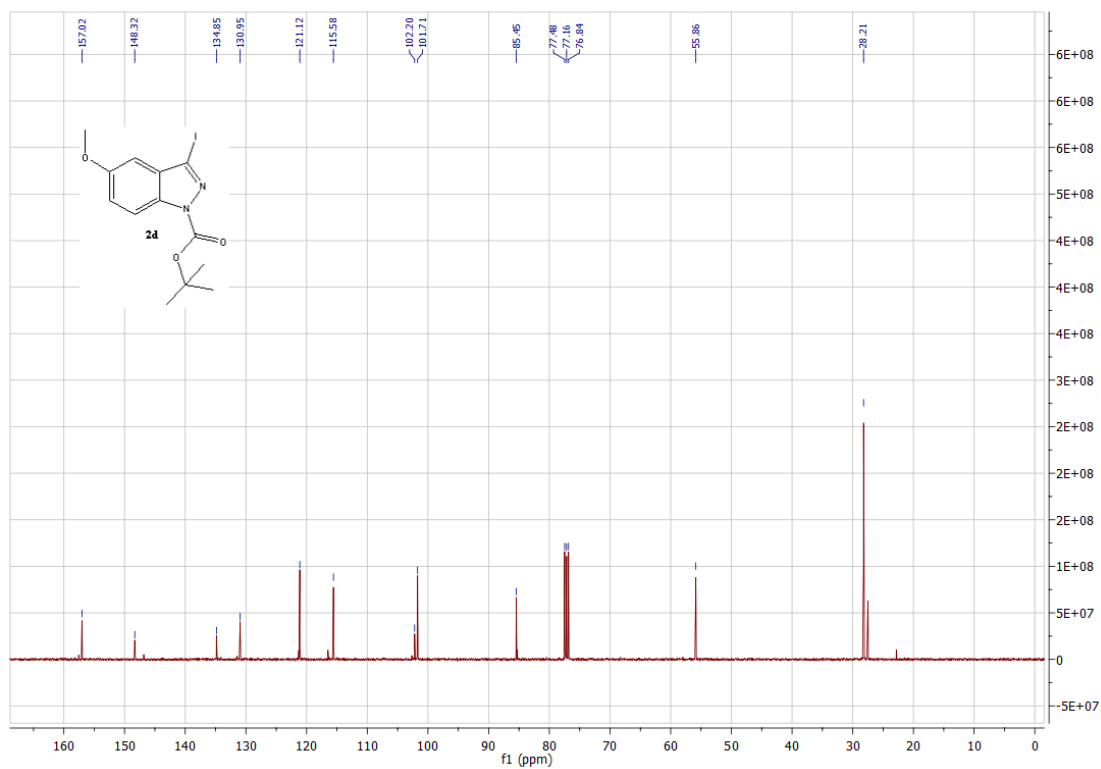


Figure S28. <sup>13</sup>C-NMR spectrum of **2d**

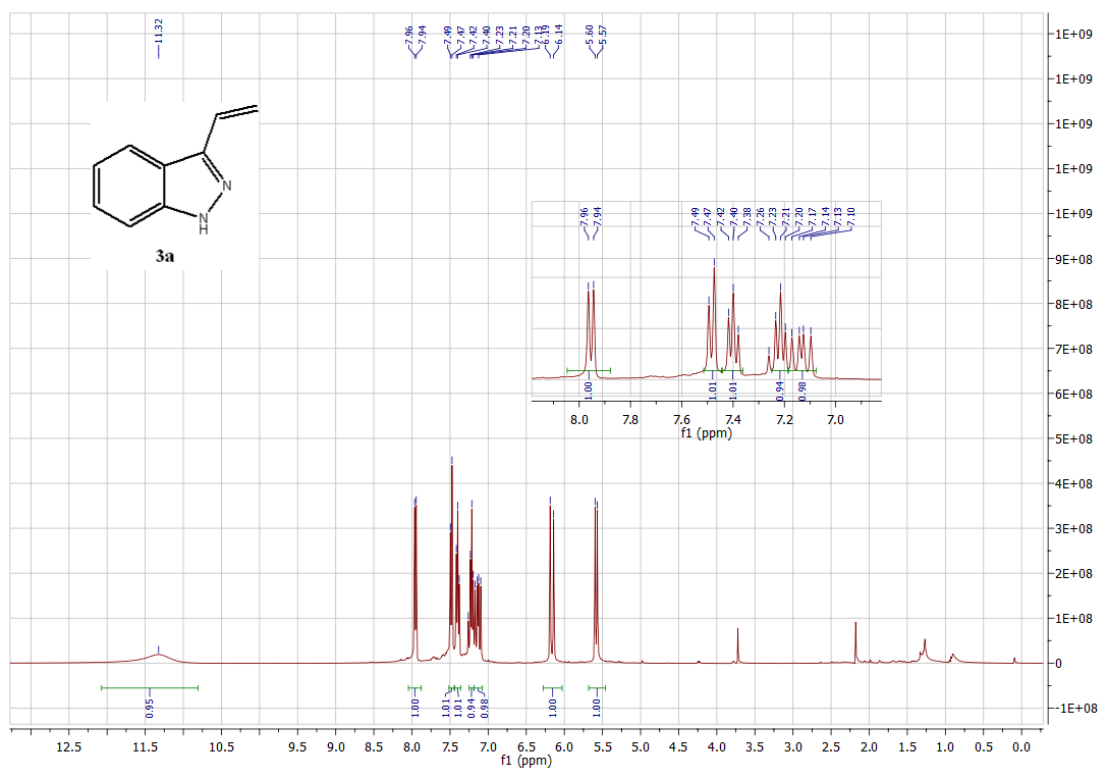


Figure S29. <sup>1</sup>H-NMR spectrum of 3a

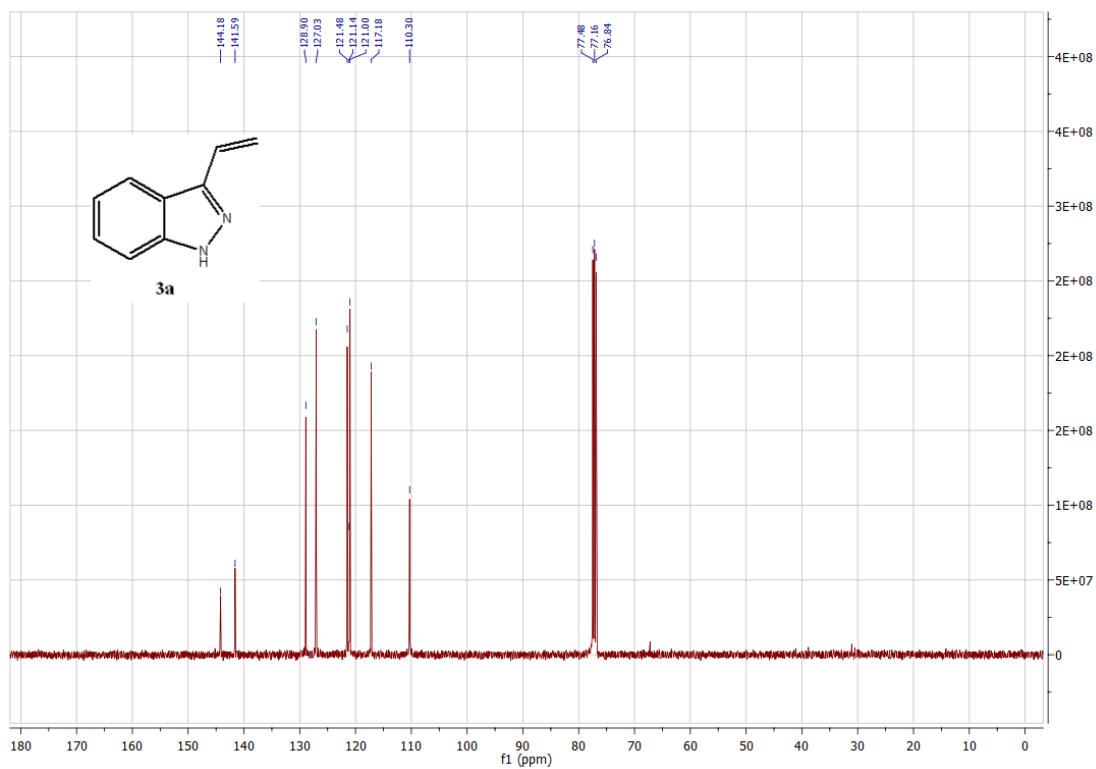


Figure S30. <sup>13</sup>C-NMR spectrum of 3a



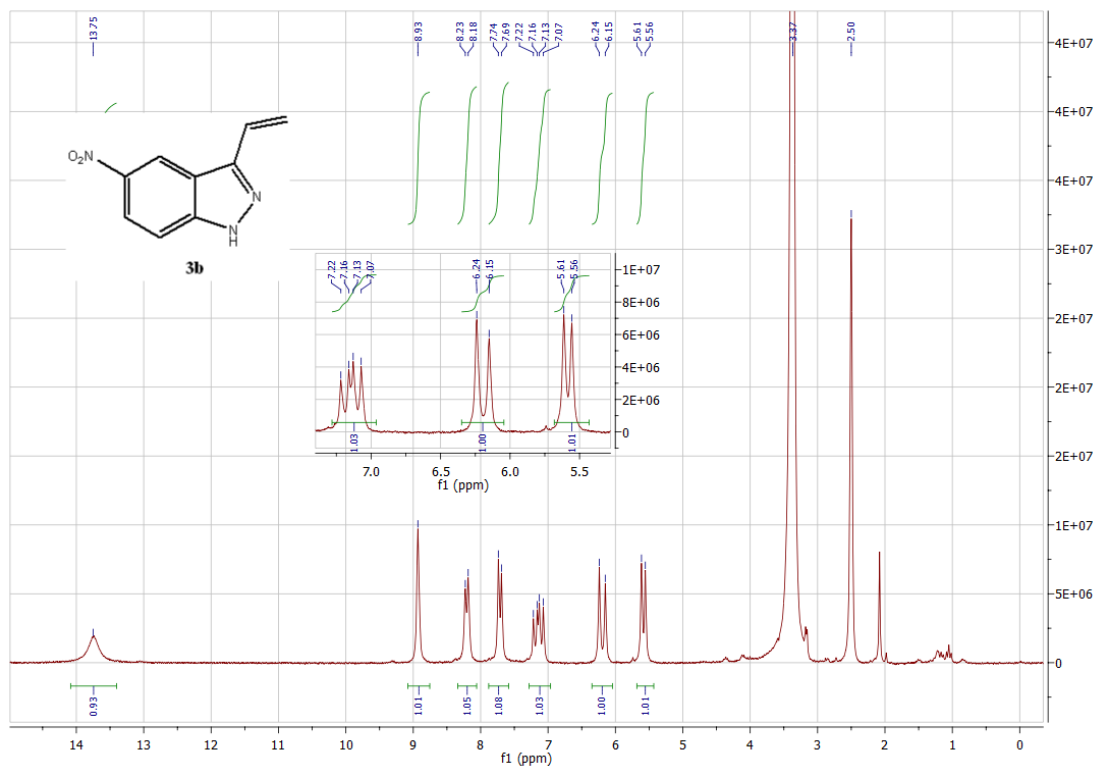


Figure S31. <sup>1</sup>H-NMR spectrum of **3b**

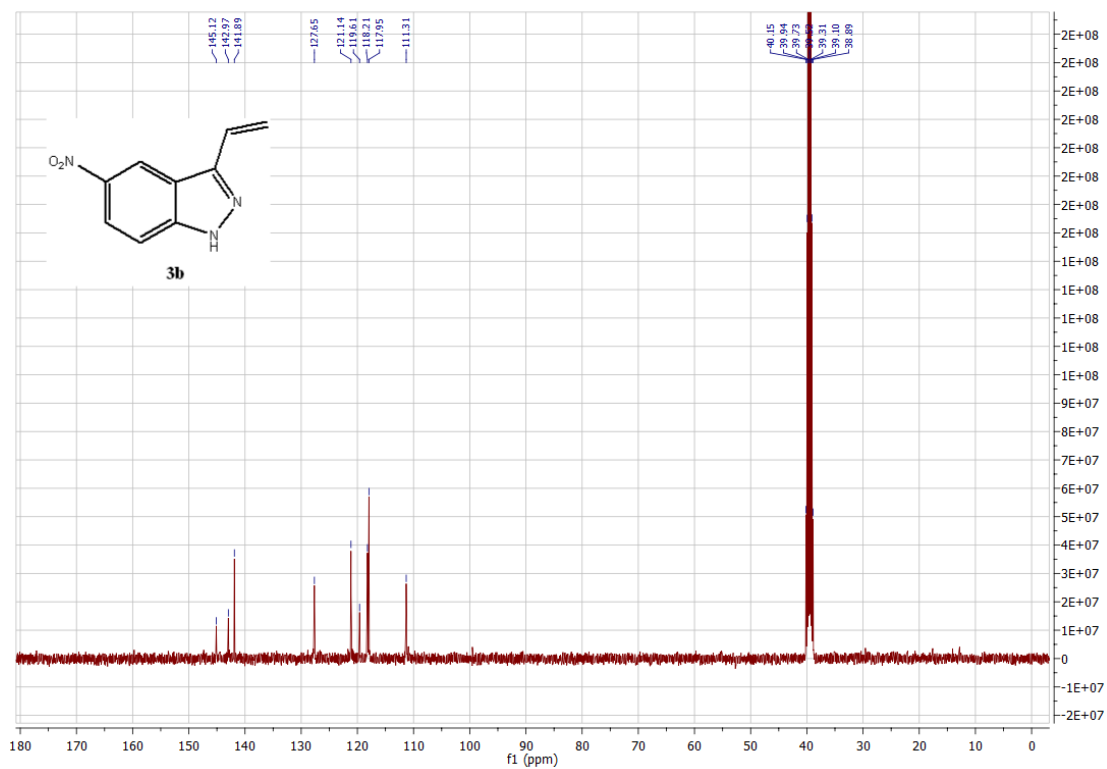


Figure S32. <sup>13</sup>C-NMR spectrum of **3b**

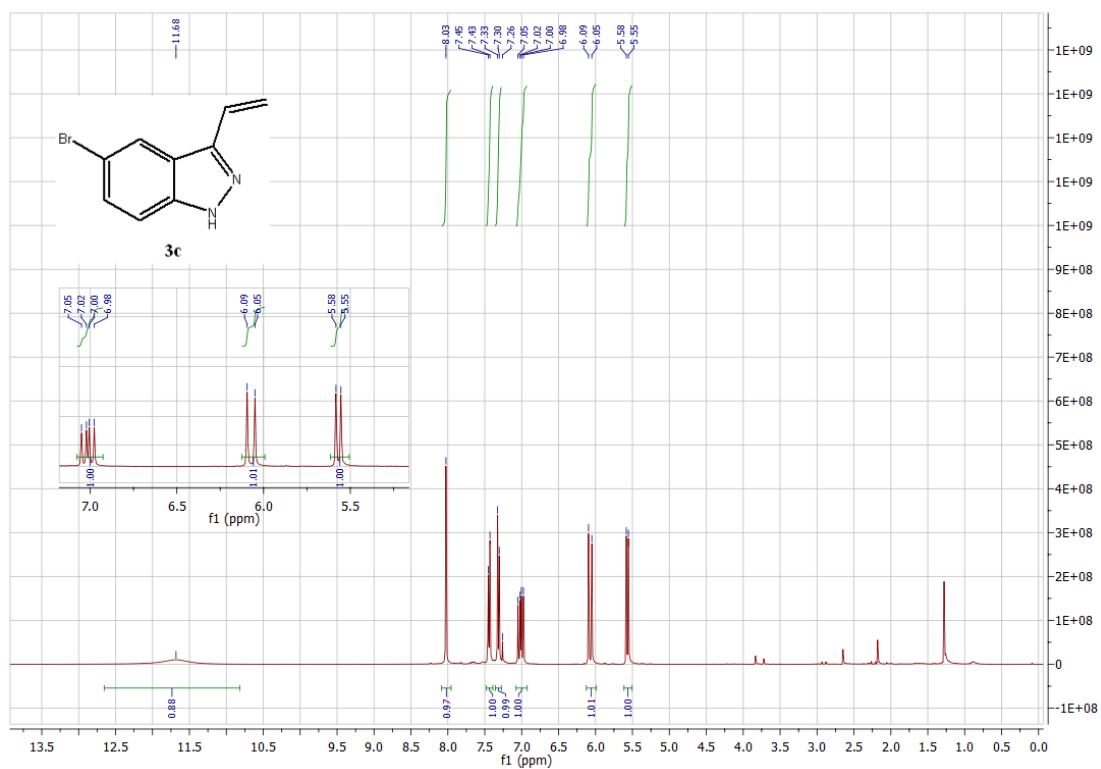


Figure S33. <sup>1</sup>H-NMR spectrum of **3c**

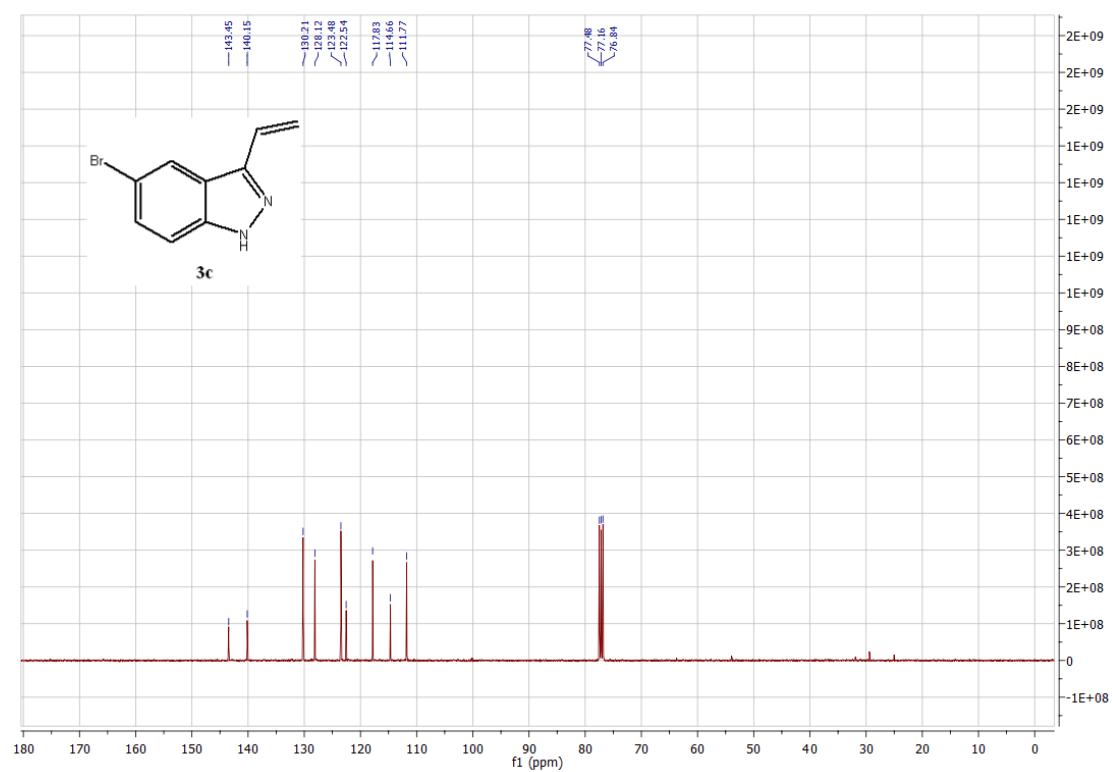


Figure S34. <sup>13</sup>C-NMR spectrum of **3c**

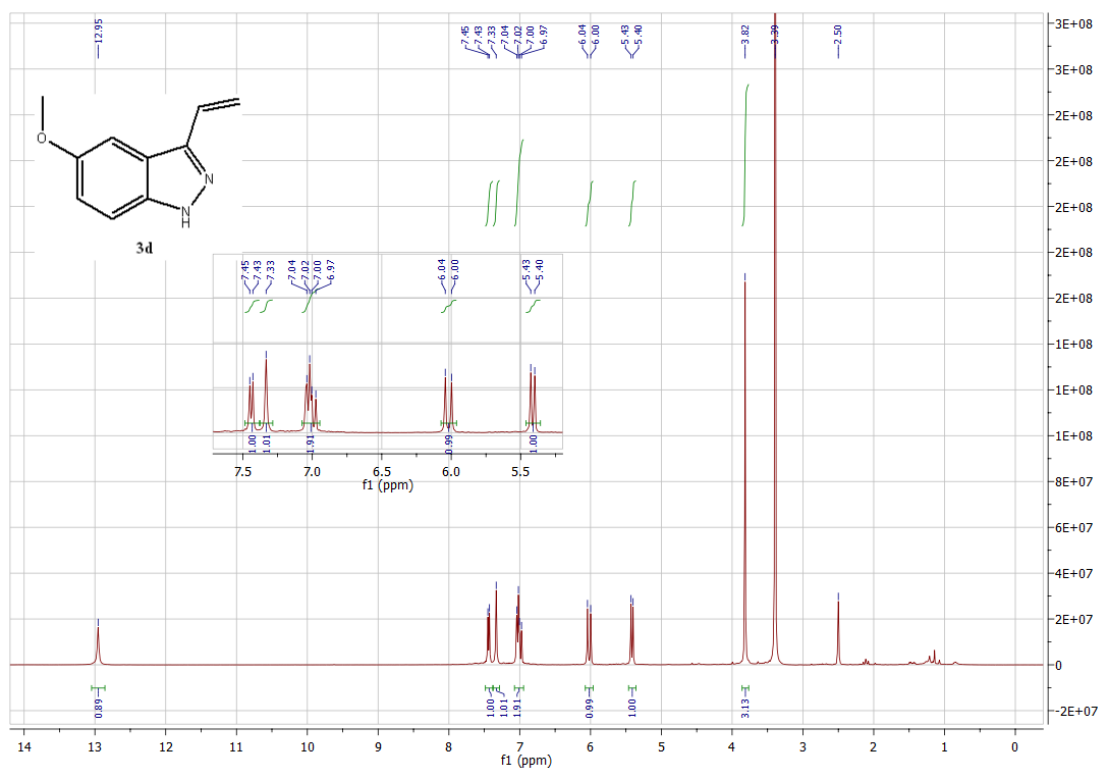


Figure S35. <sup>1</sup>H-NMR spectrum of 3d

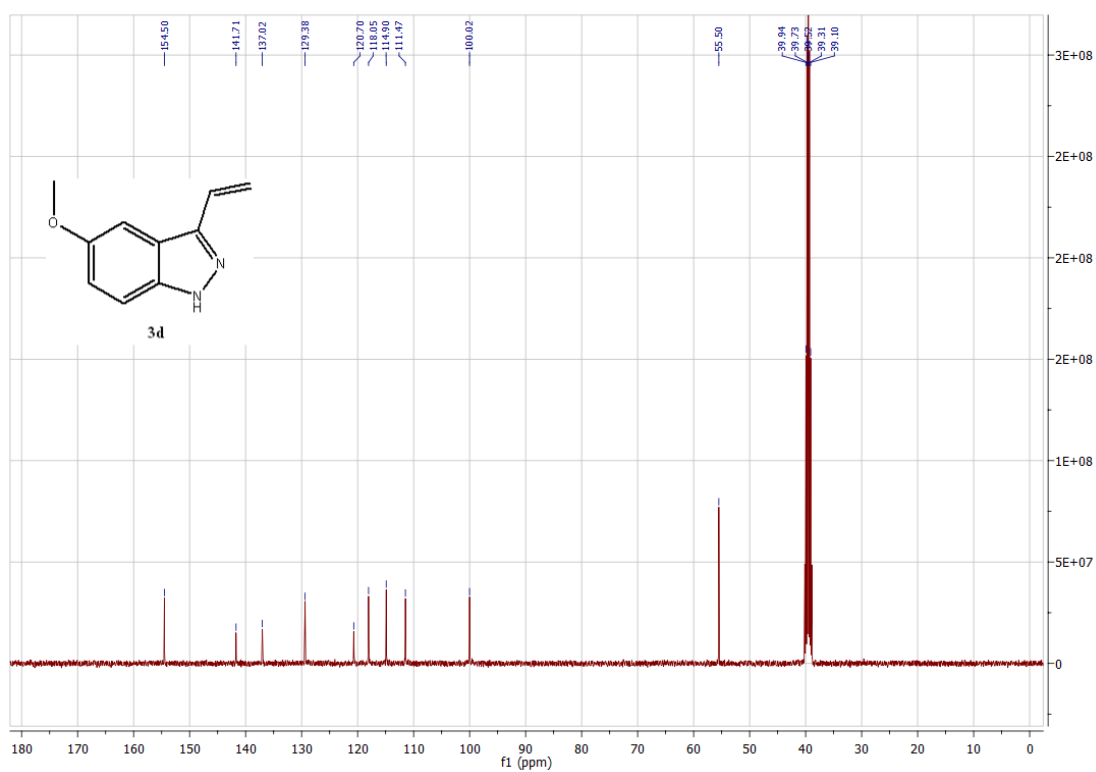


Figure S36. <sup>13</sup>C-NMR spectrum of 3d

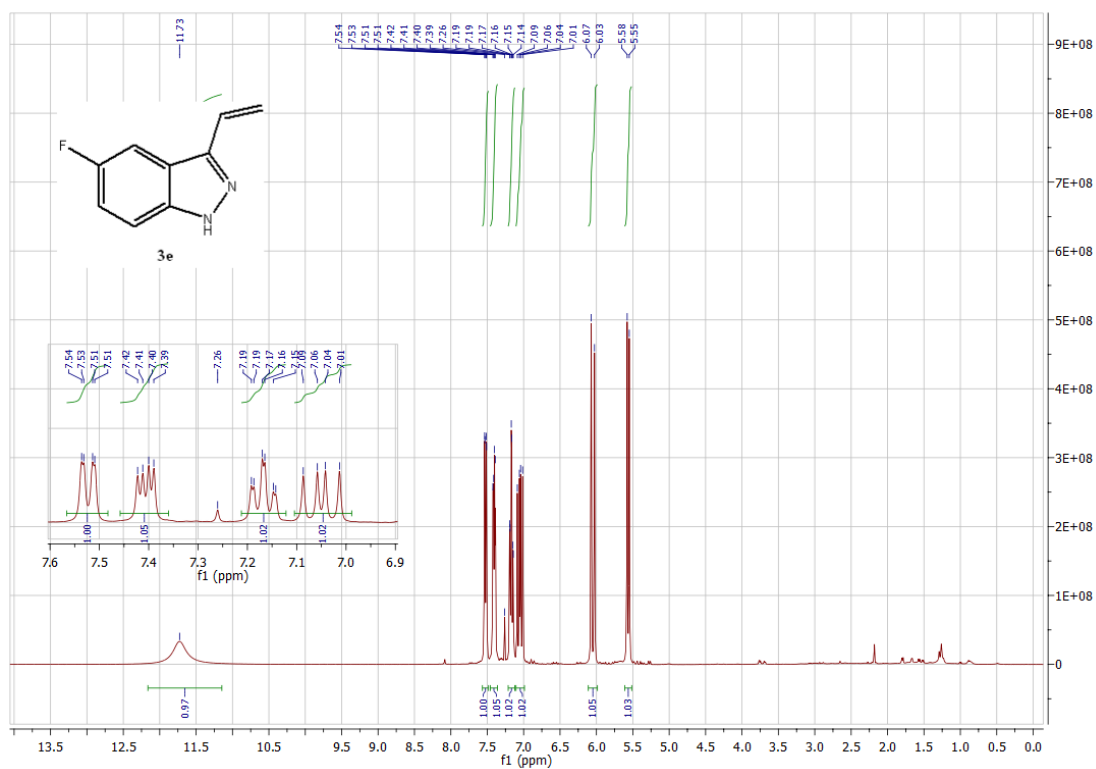


Figure S37. <sup>1</sup>H-NMR spectrum of 3e

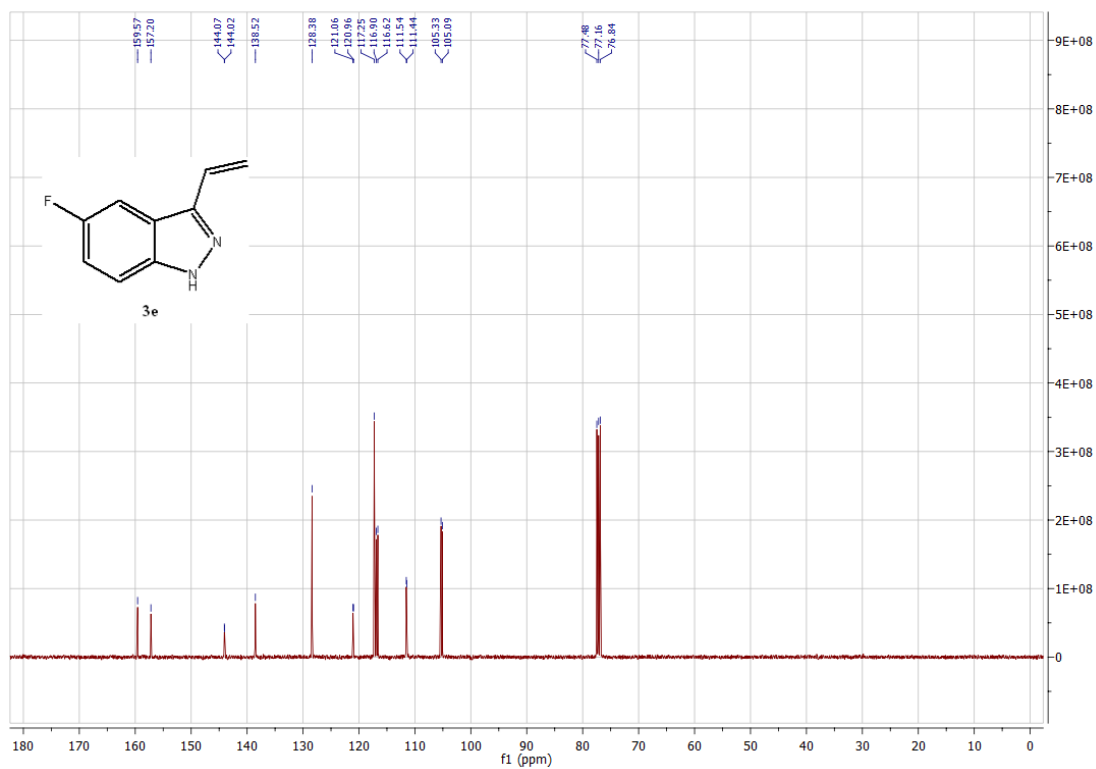


Figure S38. <sup>13</sup>C-NMR spectrum of 3e

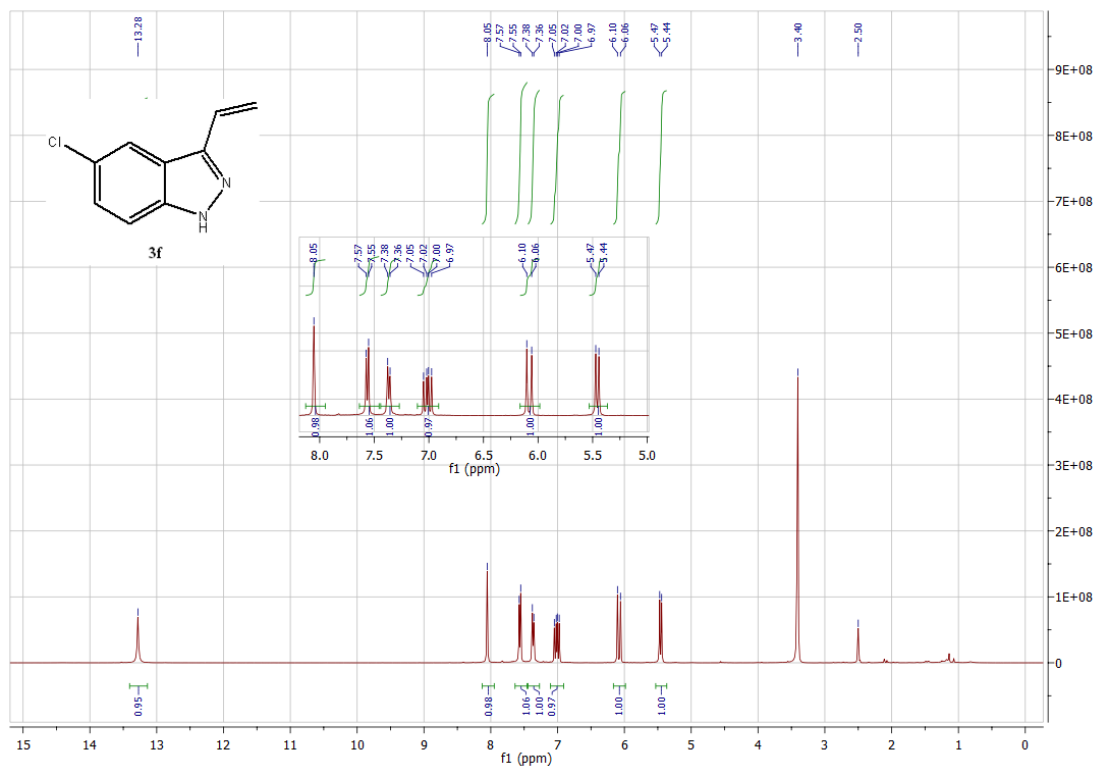


Figure S39. <sup>1</sup>H-NMR spectrum of 3f

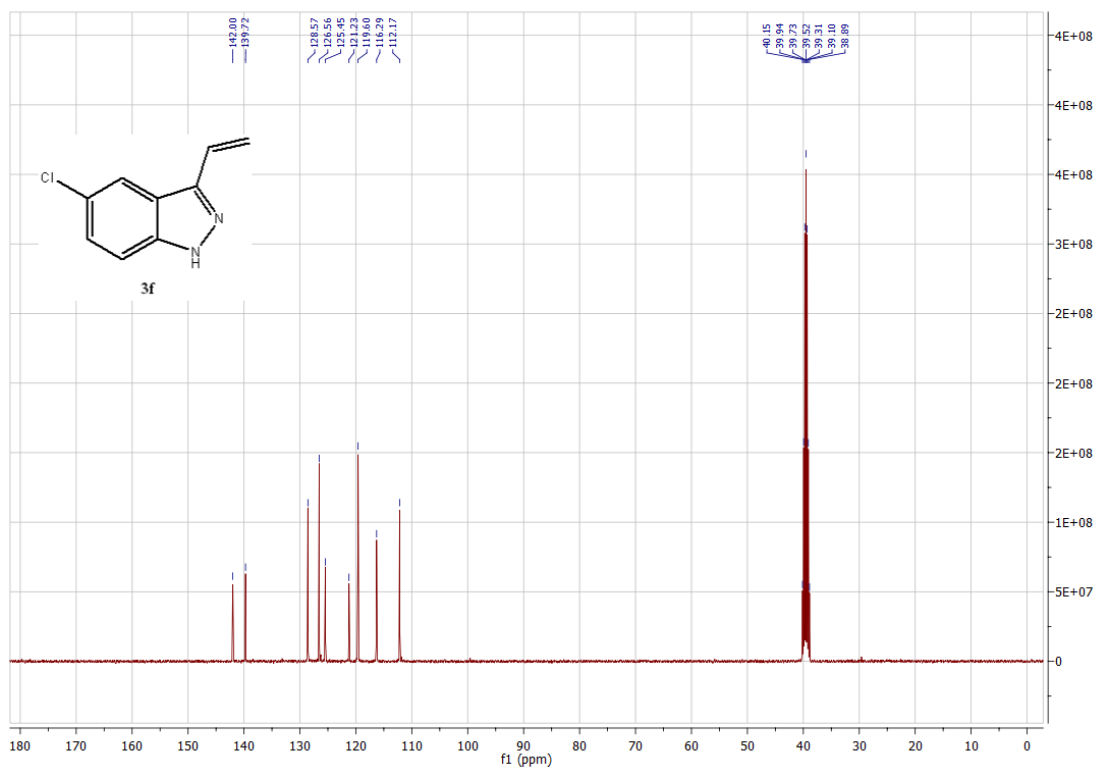


Figure S40. <sup>13</sup>C-NMR spectrum of 3f

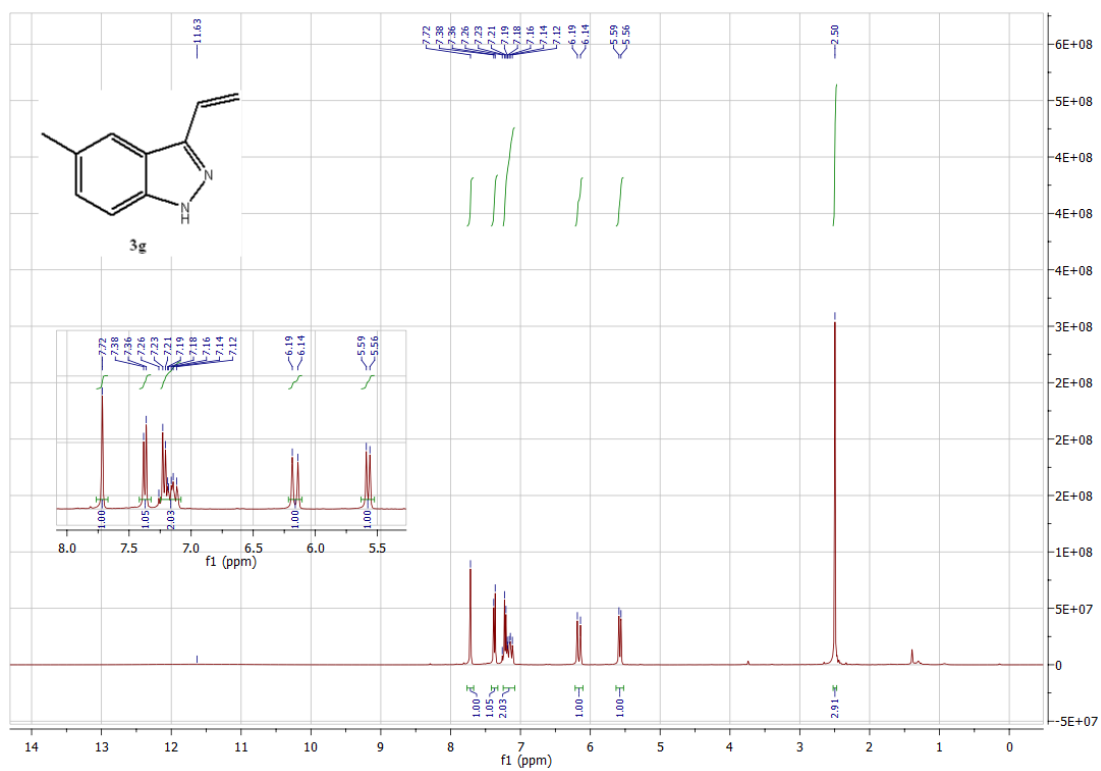


Figure S41. <sup>1</sup>H-NMR spectrum of 3g

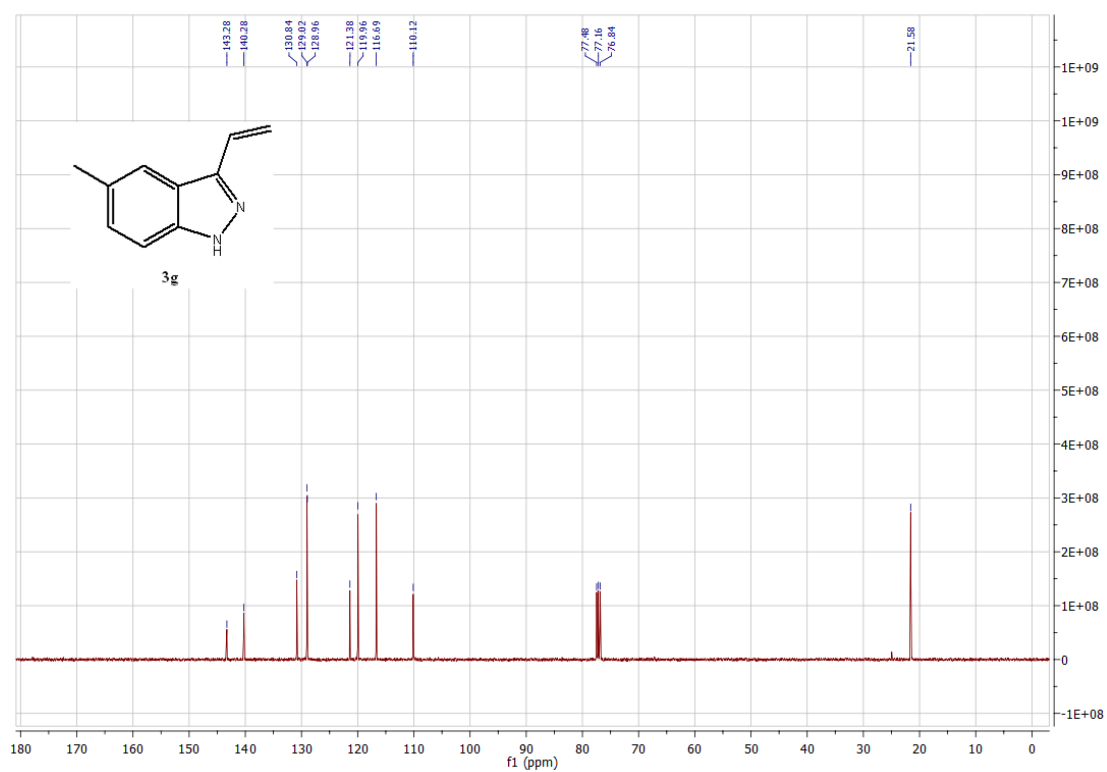


Figure S42. <sup>13</sup>C-NMR spectrum of 3g

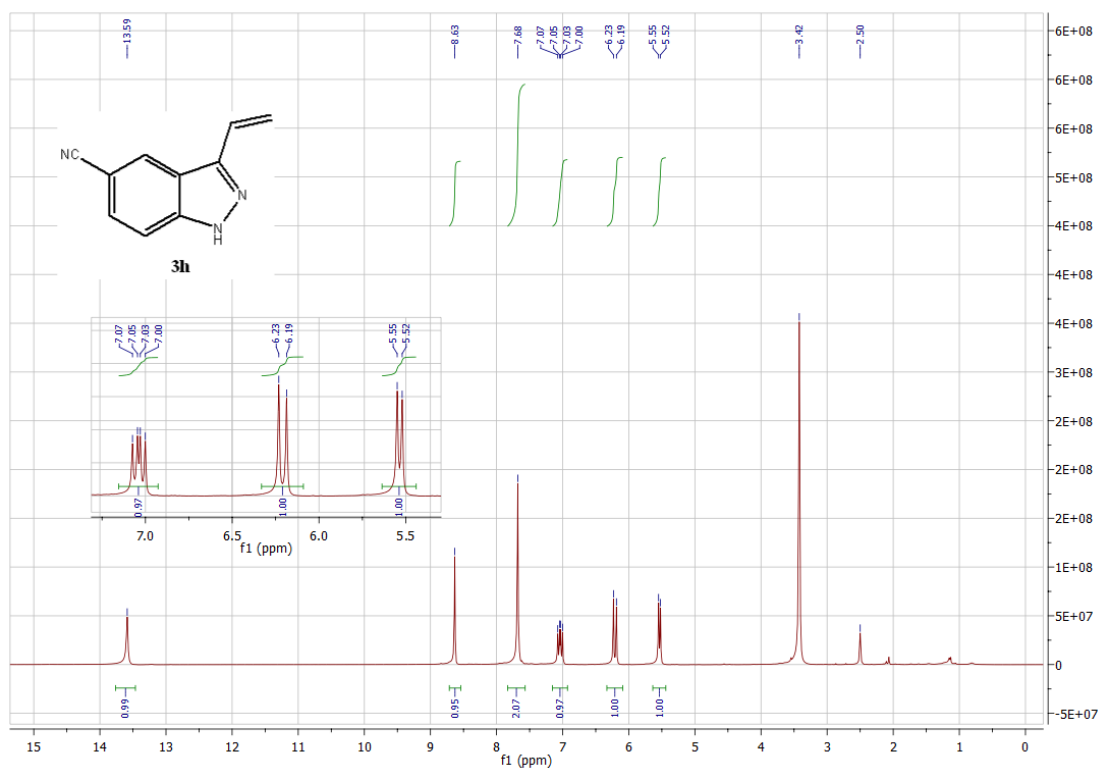


Figure S43. <sup>1</sup>H-NMR spectrum of 3h

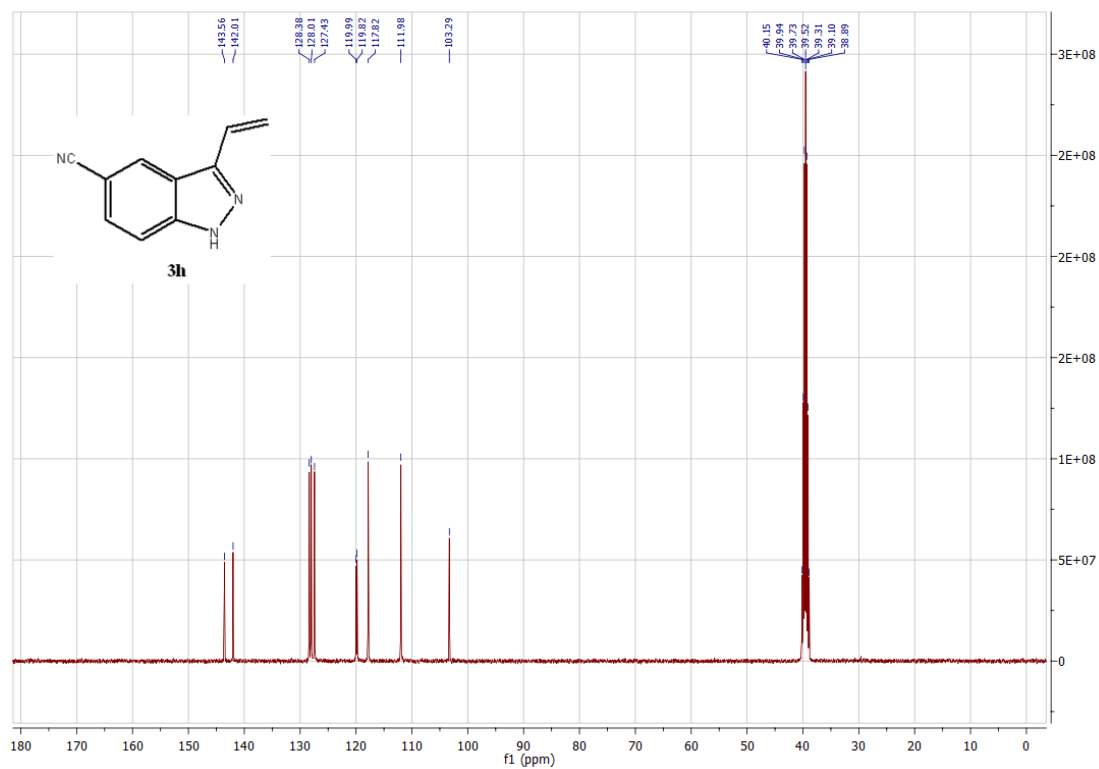


Figure S44. <sup>13</sup>C-NMR spectrum of 3h





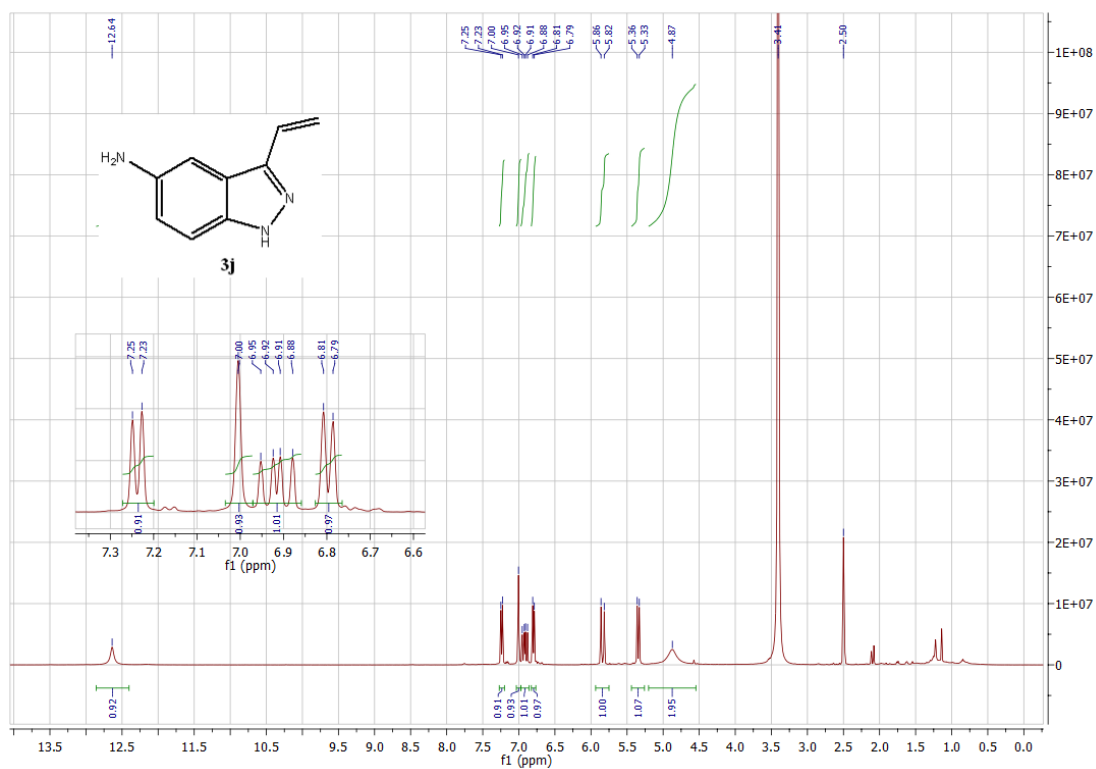


Figure S47. <sup>1</sup>H-NMR spectrum of 3j

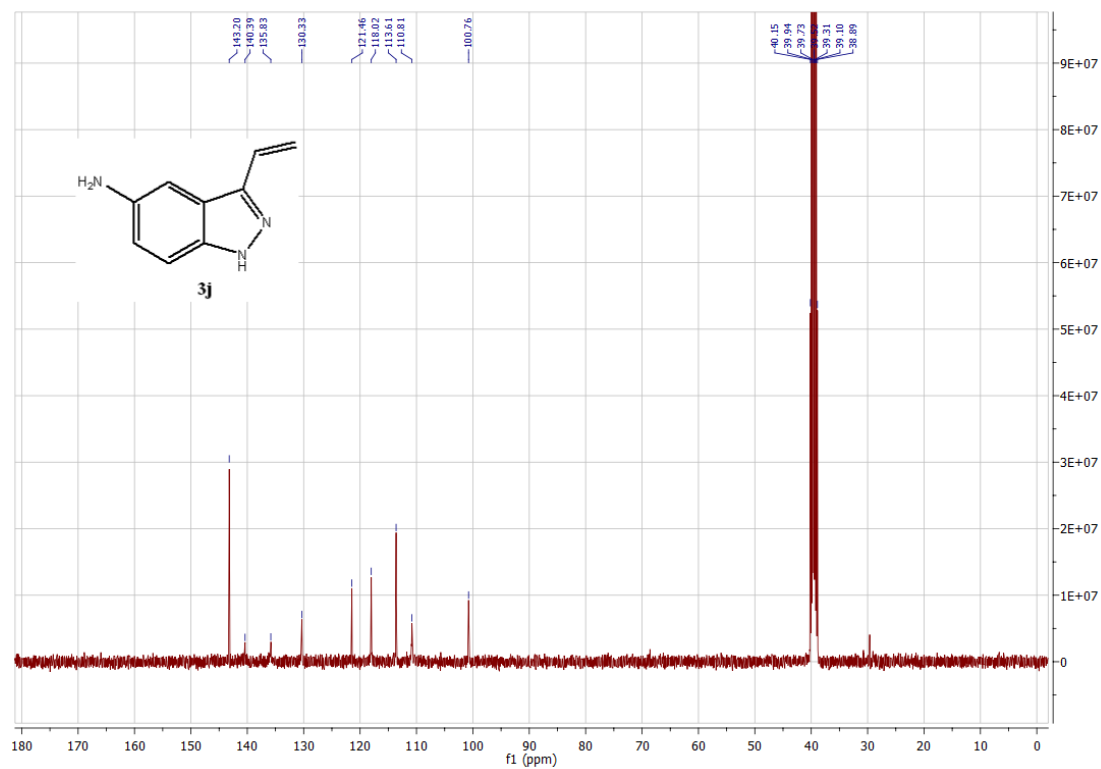


Figure S48. <sup>13</sup>C-NMR spectrum of 3j