

Synthesis of 2-Vinylindole-3-Acetic Acid Derivatives via Cyanide-Catalyzed Imino-Stetter Reaction

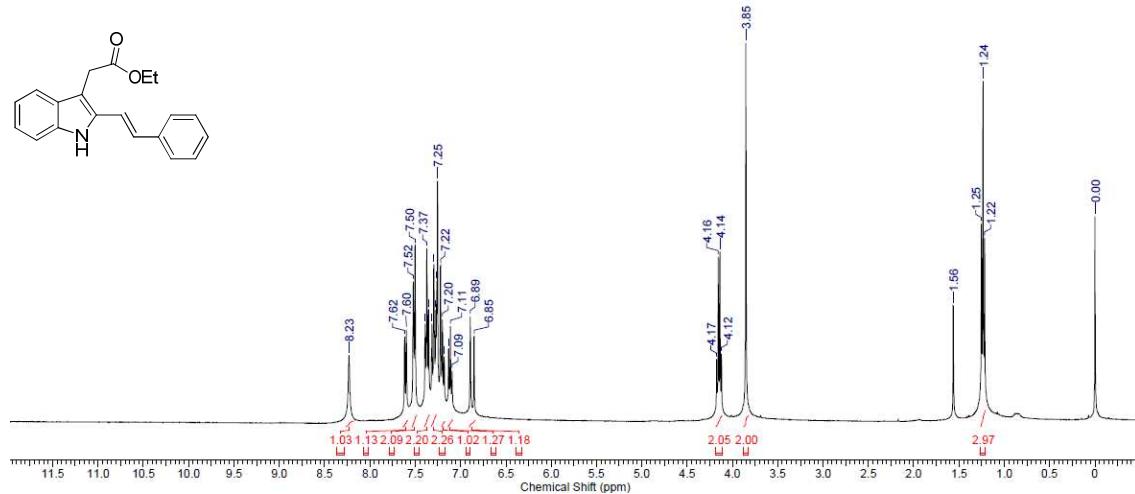
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Korea*

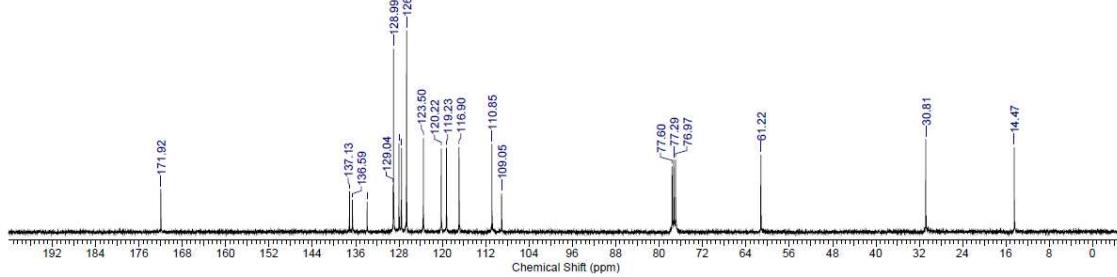
Spectroscopic data

1. NMR Spectra of **1aa**

a) ^1H NMR Spectrum of **1aa**

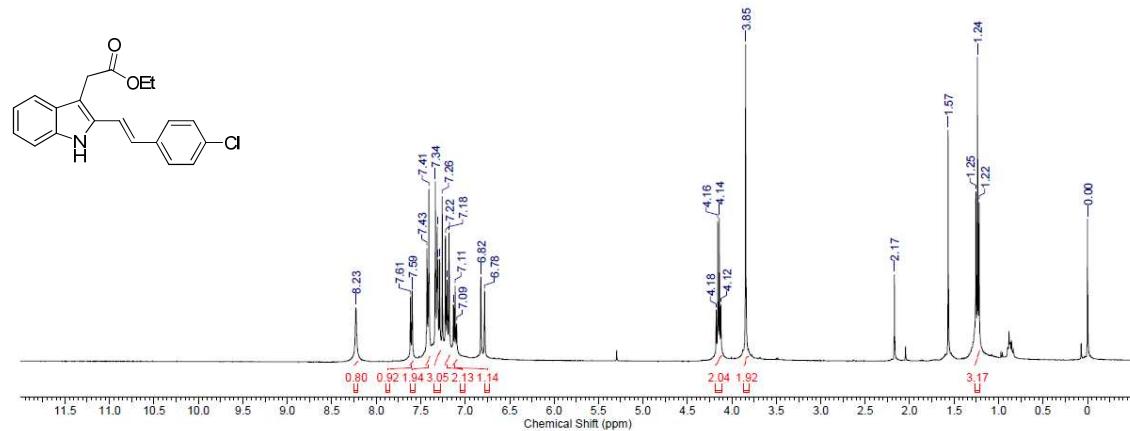


b) $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of **1aa**

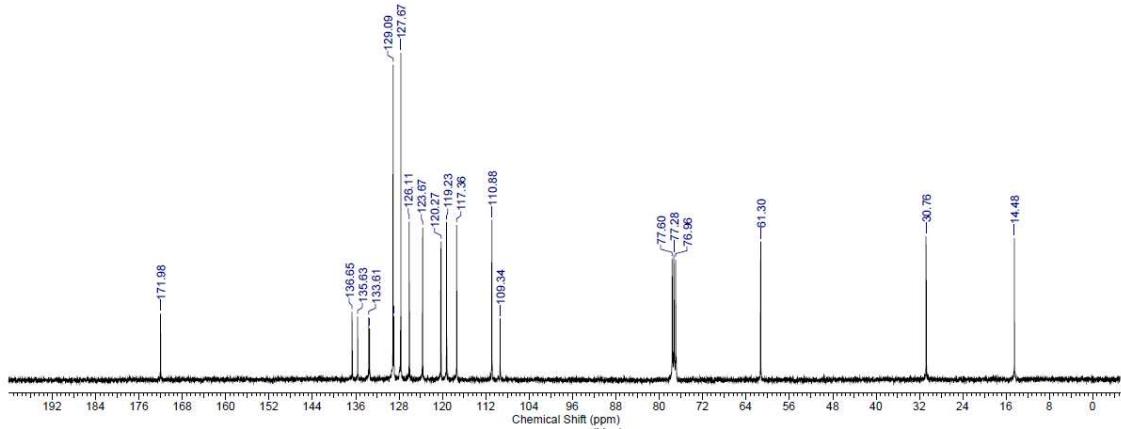


2. NMR Spectra of **1ab**

a) ^1H NMR Spectrum of **1ab**

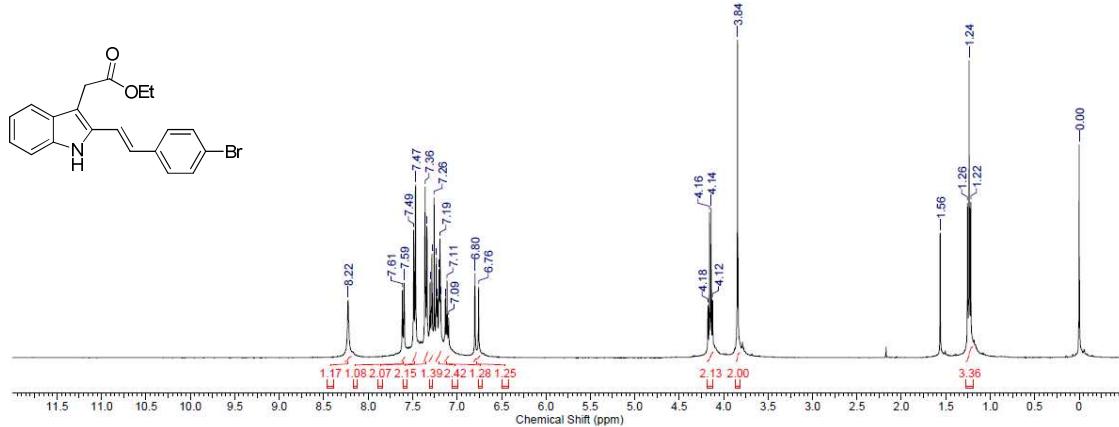


b) $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of **1ab**

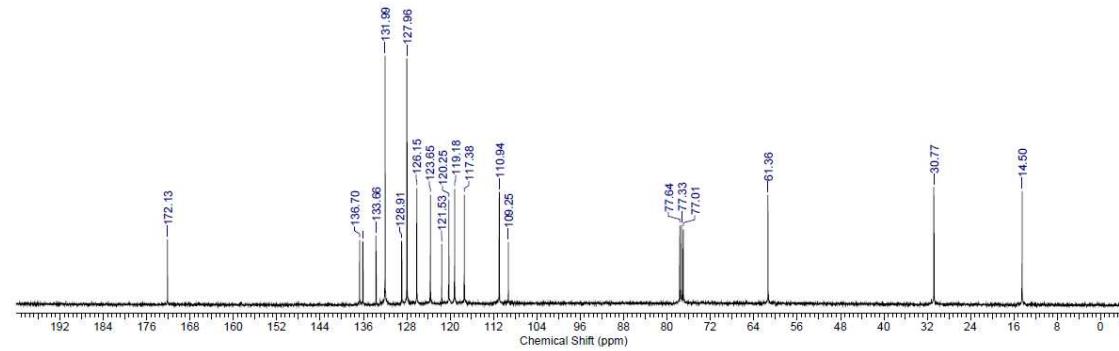


3. NMR Spectra of **1ac**

a) ^1H NMR Spectrum of **1ac**

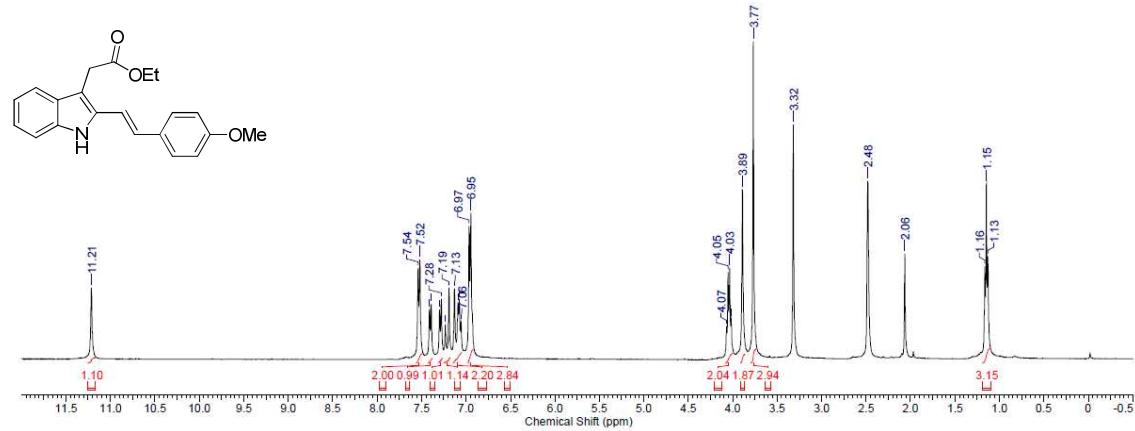


b) $^{13}\text{C}\{\text{H}\}$ NMR Spectrum of **1ac**

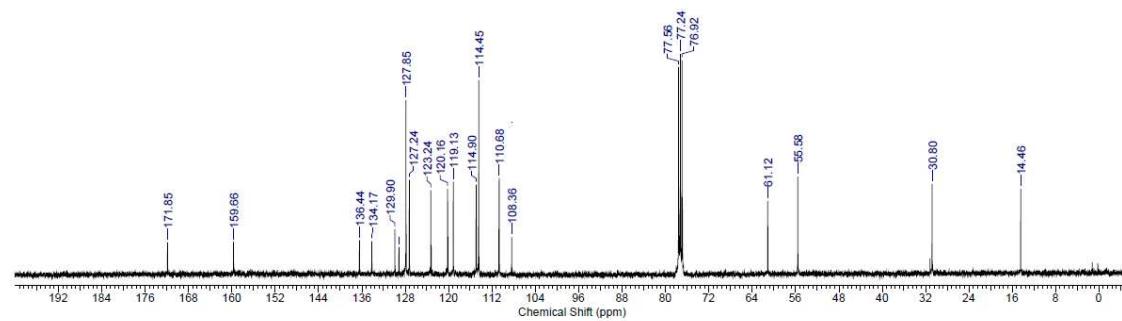


4. NMR Spectra of **1ad**

a) ^1H NMR Spectrum of **1ad**

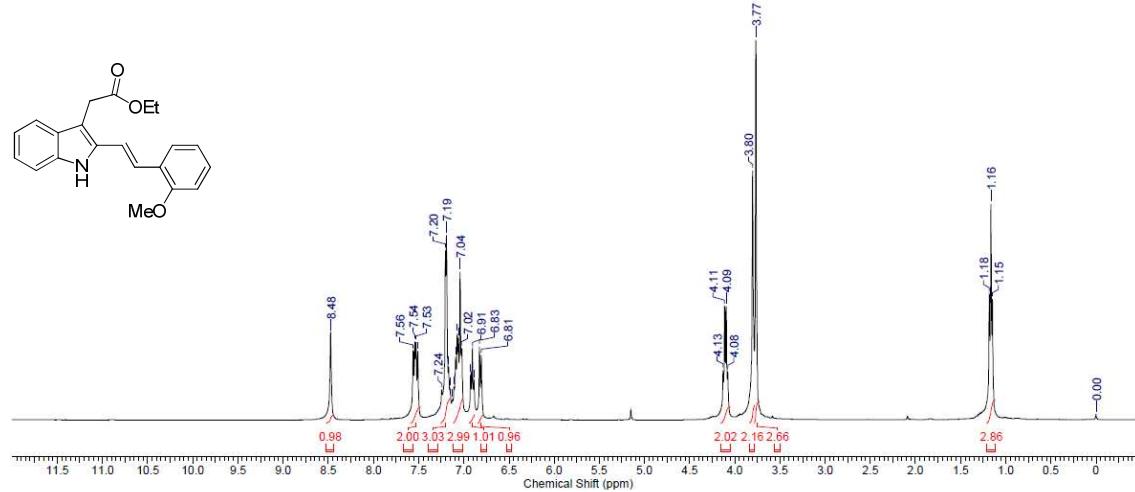


b) $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of **1ad**

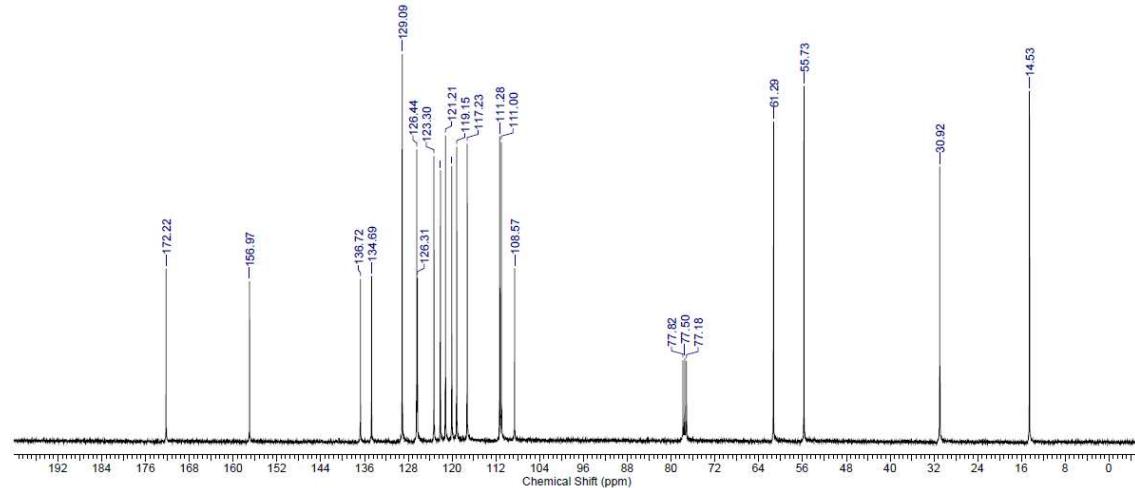


5. NMR Spectra of **1ae**

a) ^1H NMR Spectrum of **1ae**

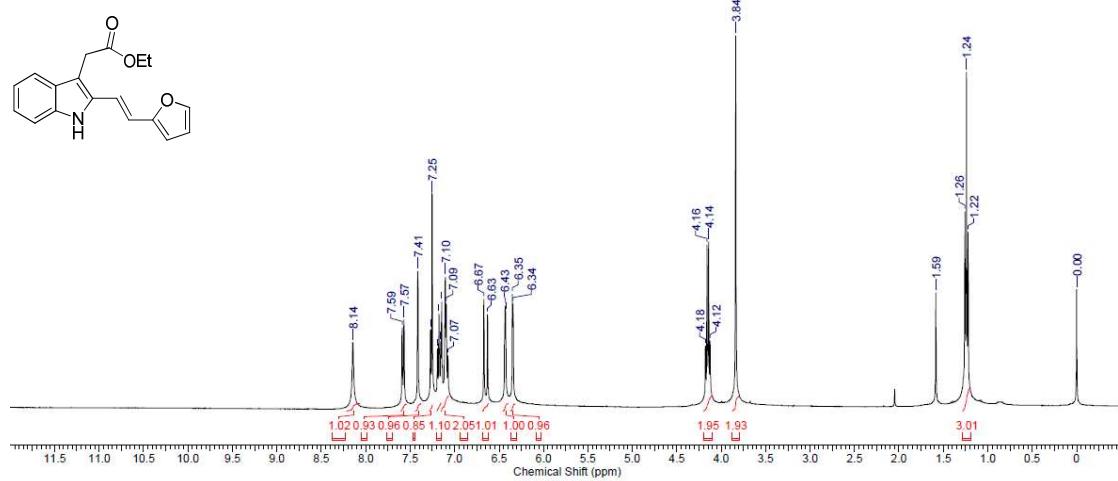


b) $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of **1ae**

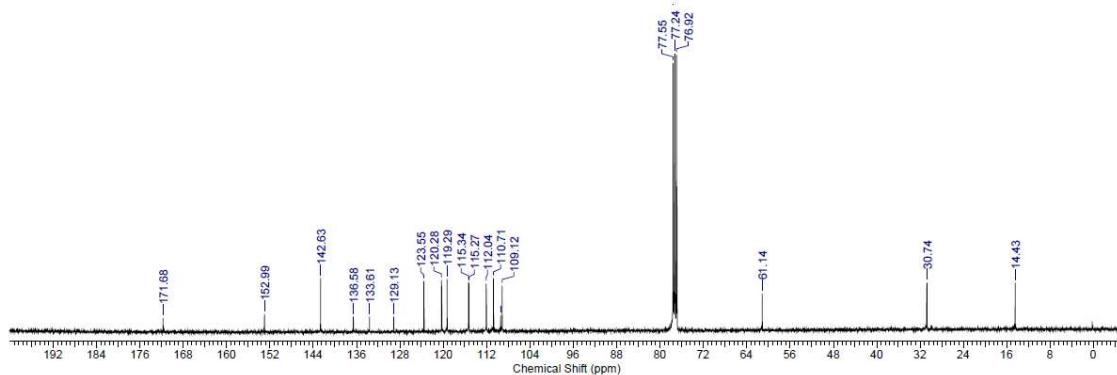


6. NMR Spectra of **1af**

a) ^1H NMR Spectrum of **1af**

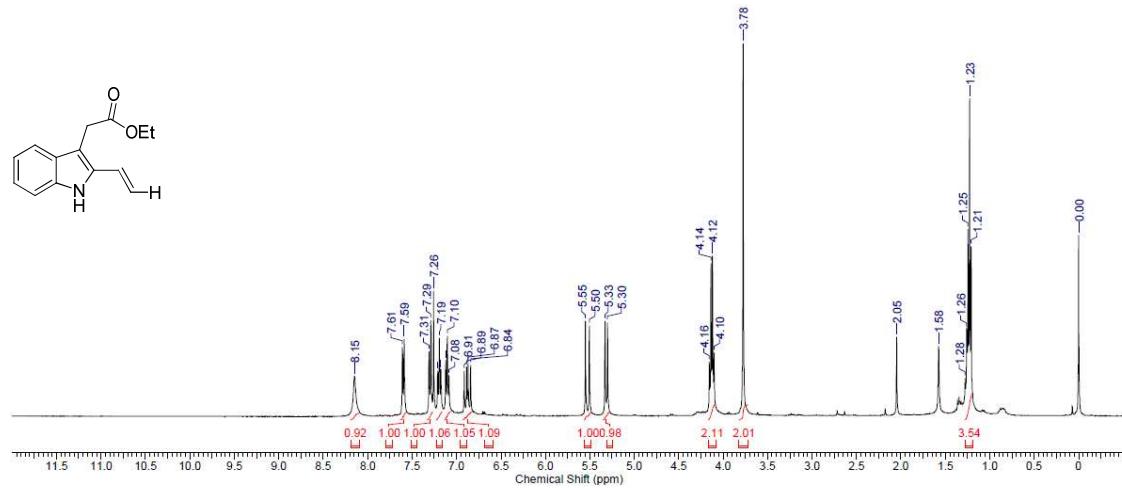


b) $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of **1af**

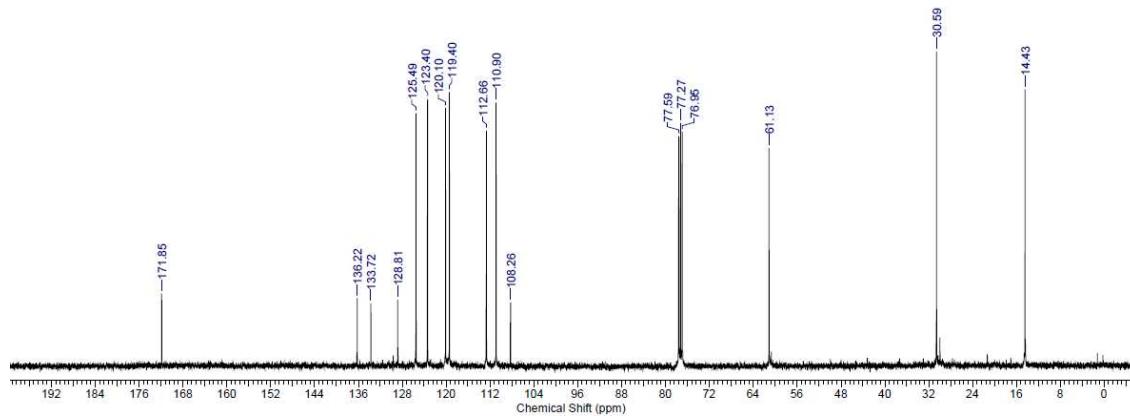


7. NMR Spectra of **1ag**

a) ^1H NMR Spectrum of **1ag**

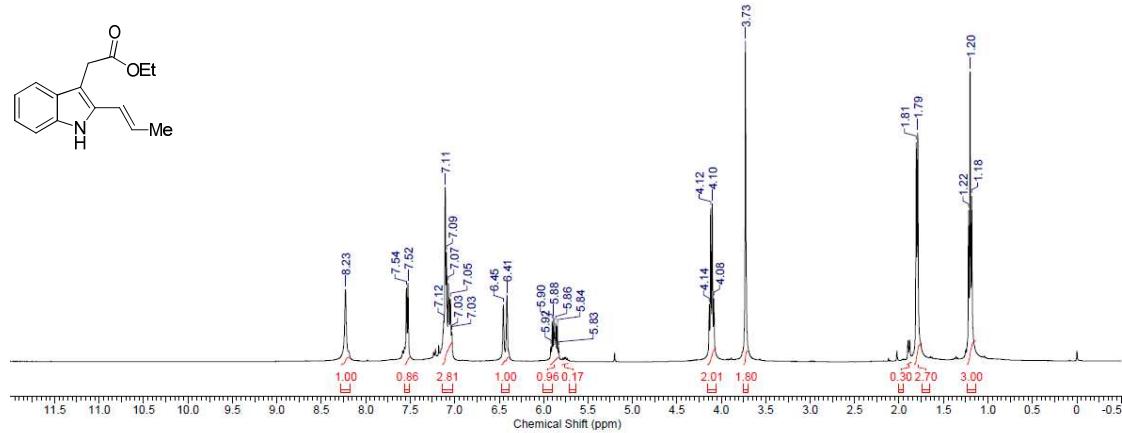


b) $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of **1ag**

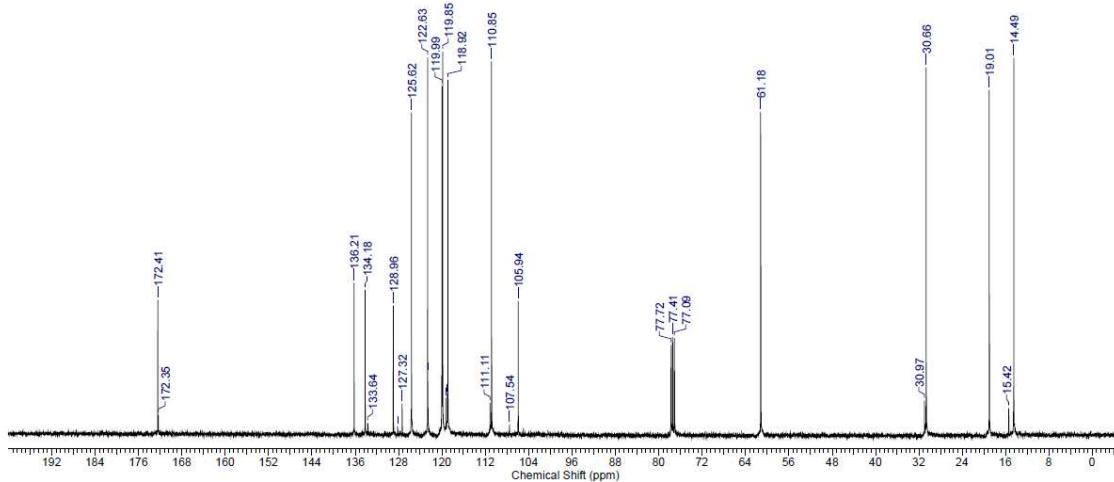


8. NMR Spectra of **1ah**

a) ^1H NMR Spectrum of **1ah**

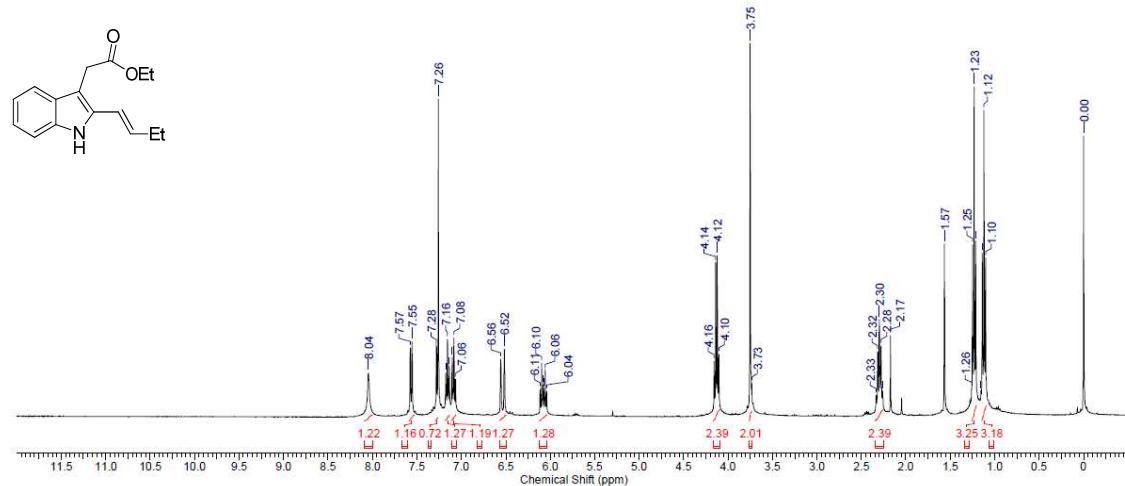


b) $^{13}\text{C}\{\text{H}\}$ NMR Spectrum of **1ah**

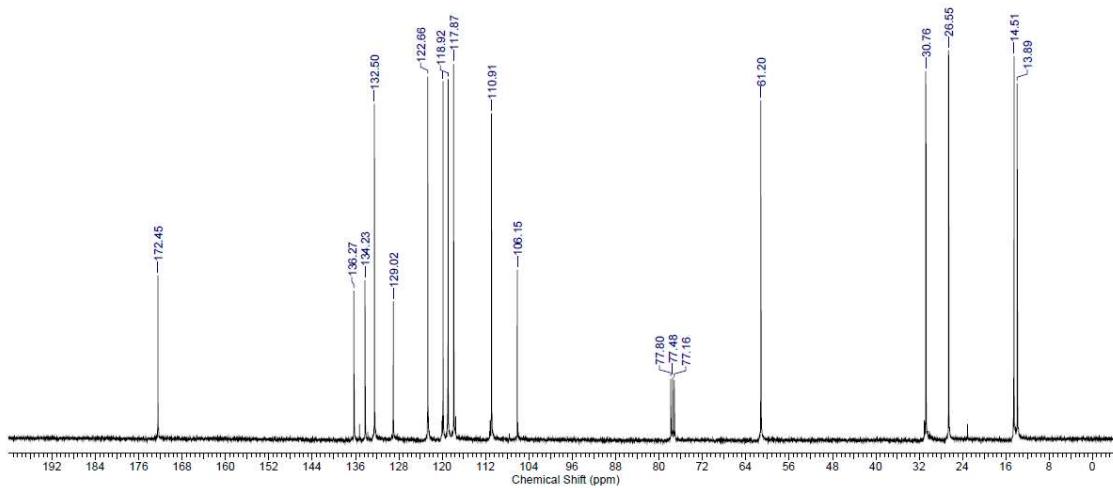


9. NMR Spectra of **1ai**

a) ^1H NMR Spectrum of **1ai**

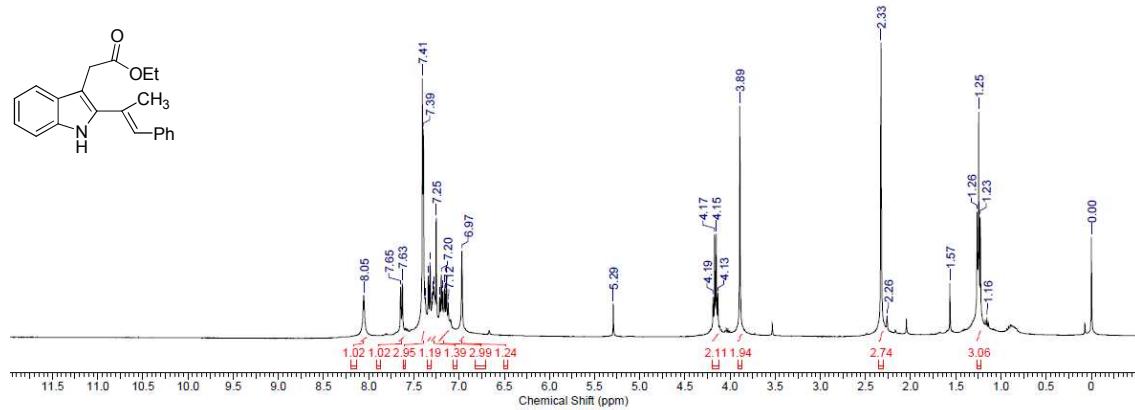


b) $^{13}\text{C}\{\text{H}\}$ NMR Spectrum of **1ai**

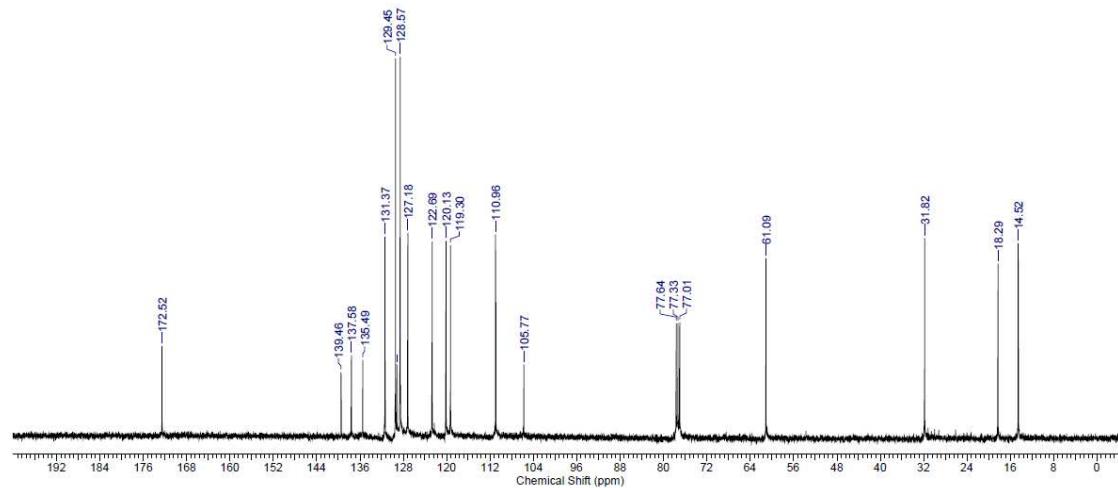


10. NMR Spectra of 1aj

a) ^1H NMR Spectrum of **1aj**

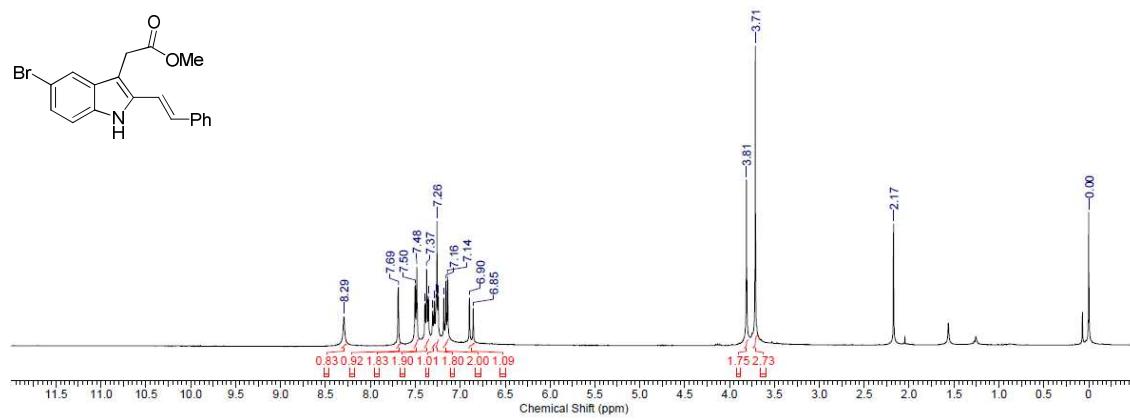


b) $^{13}\text{C}\{\text{H}\}$ NMR Spectrum of **1aj**

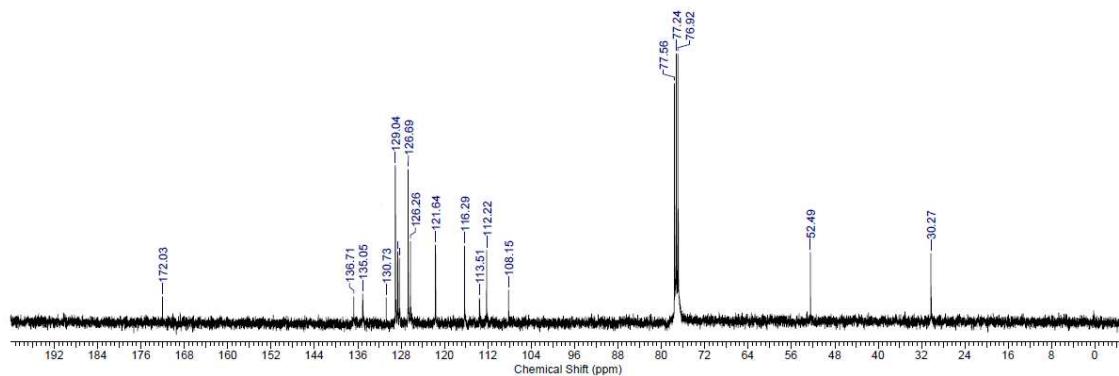


11. NMR Spectra of **1ba**

a) ^1H NMR Spectrum of **1ba**

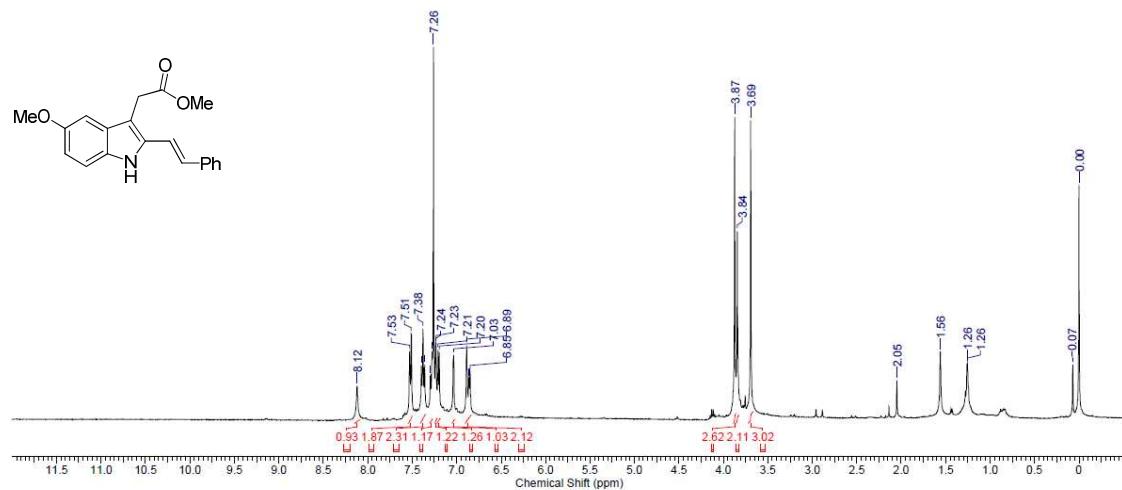


b) $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of **1ba**

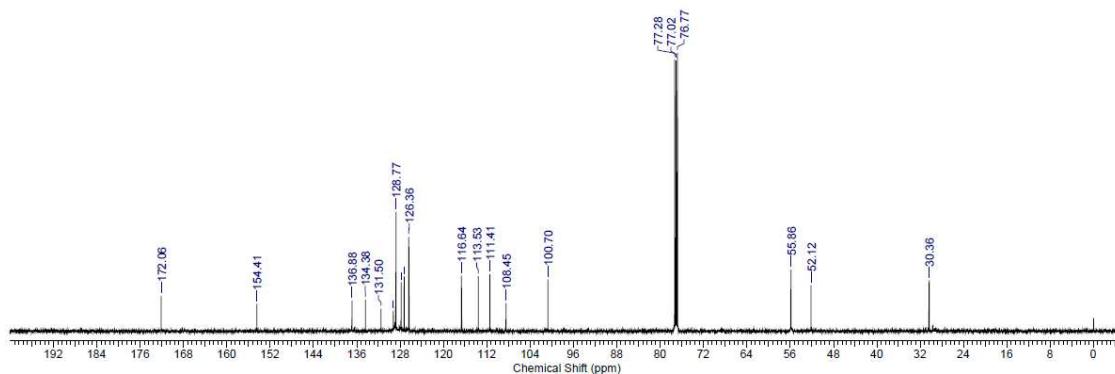


12. NMR Spectra of **1ca**

a) ^1H NMR Spectrum of **1ca**

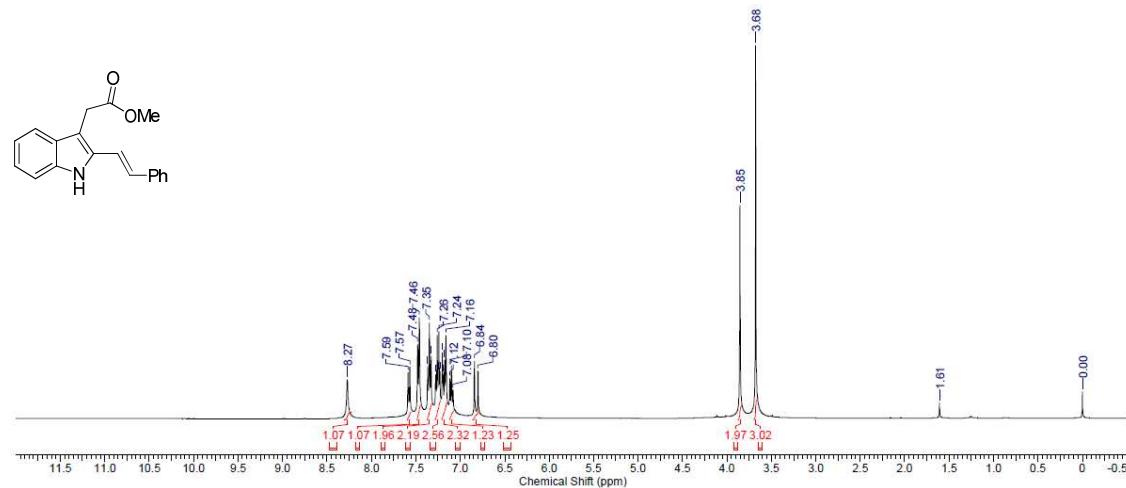


b) $^{13}\text{C}\{\text{H}\}$ NMR Spectrum of **1ca**

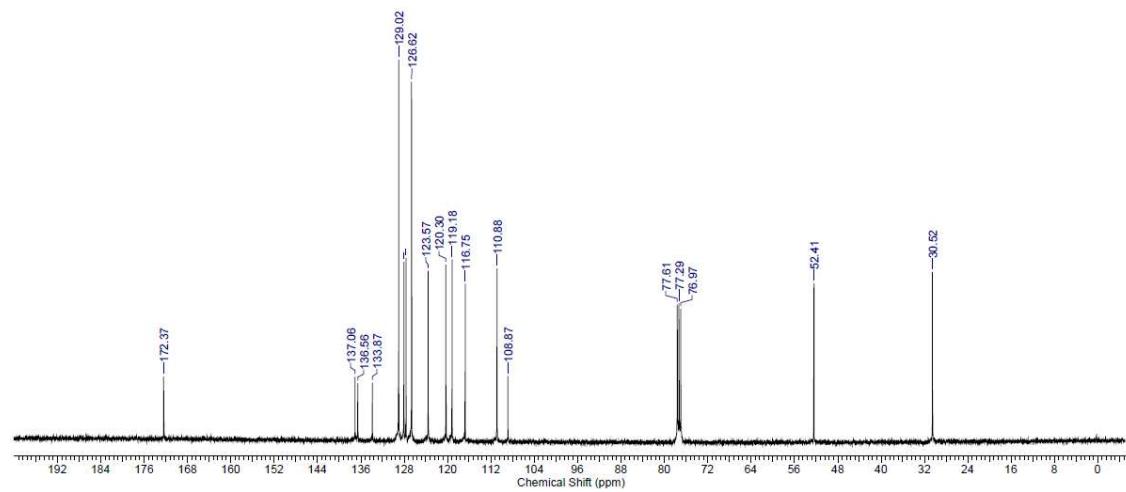


13. NMR Spectra of **1da**

a) ^1H NMR Spectrum of **1da**

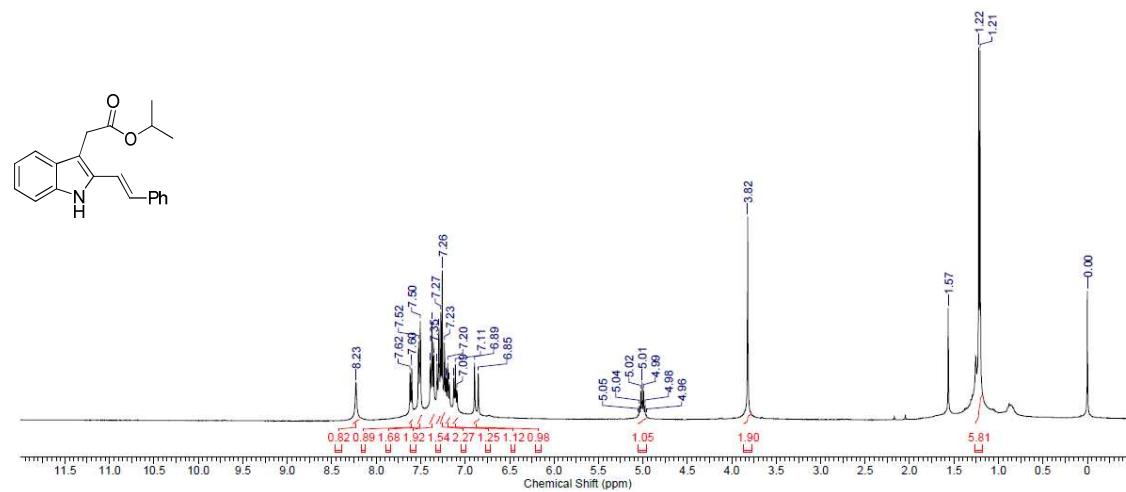


b) $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of **1da**

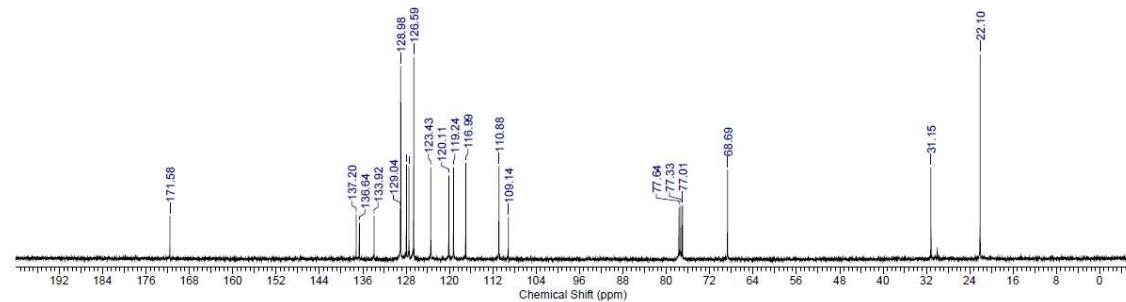


14. NMR Spectra of **1ea**

a) ^1H NMR Spectrum of **1ea**

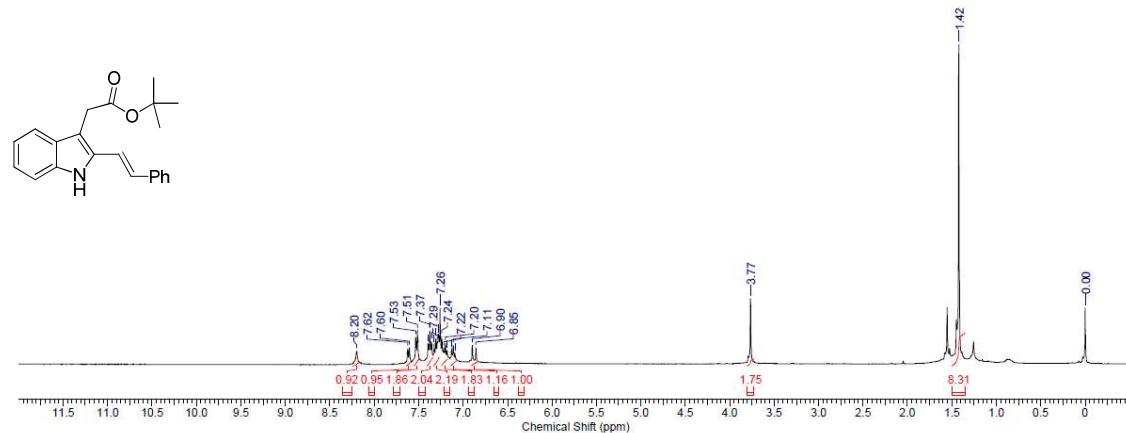


b) $^{13}\text{C}\{\text{H}\}$ NMR Spectrum of **1ea**

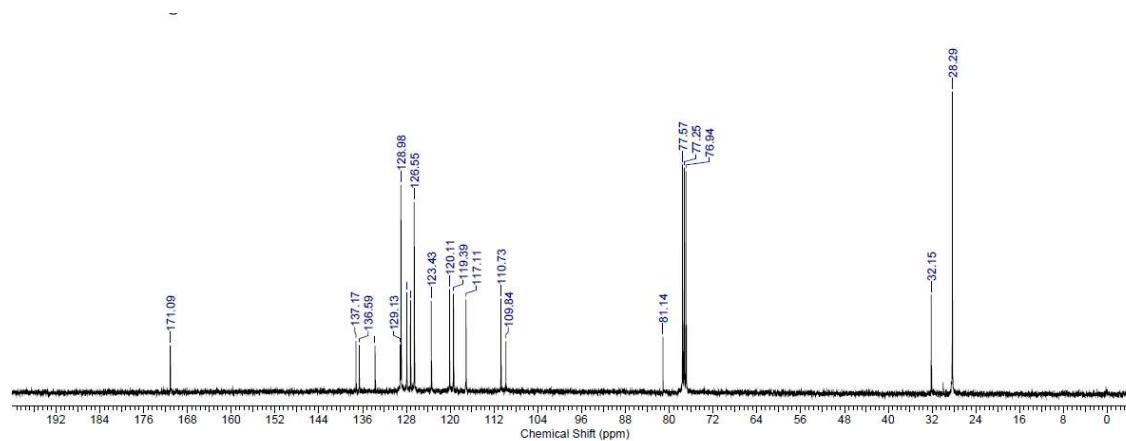


15. NMR Spectra of **1fa**

a) ^1H NMR Spectrum of **1fa**

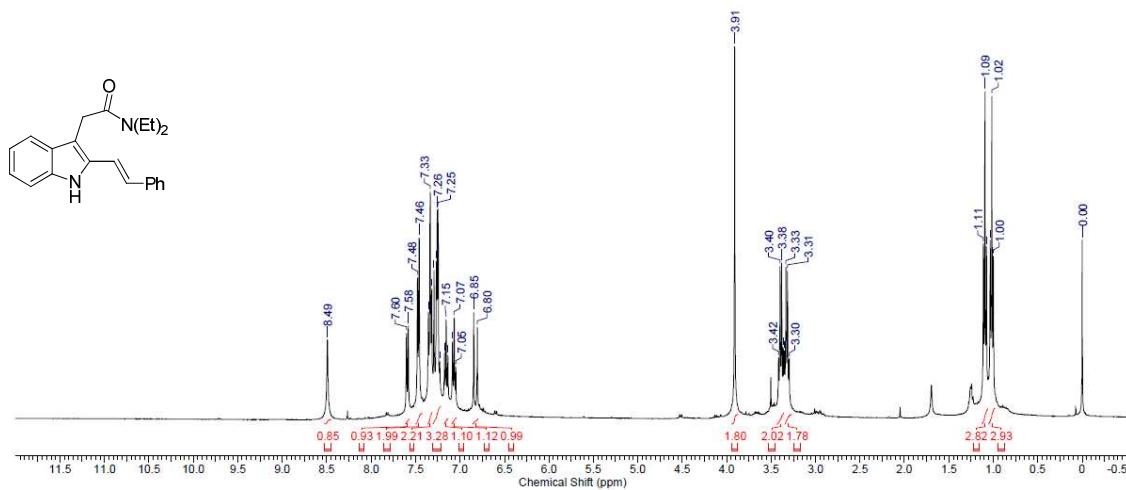


b) $^{13}\text{C}\{\text{H}\}$ NMR Spectrum of **1fa**

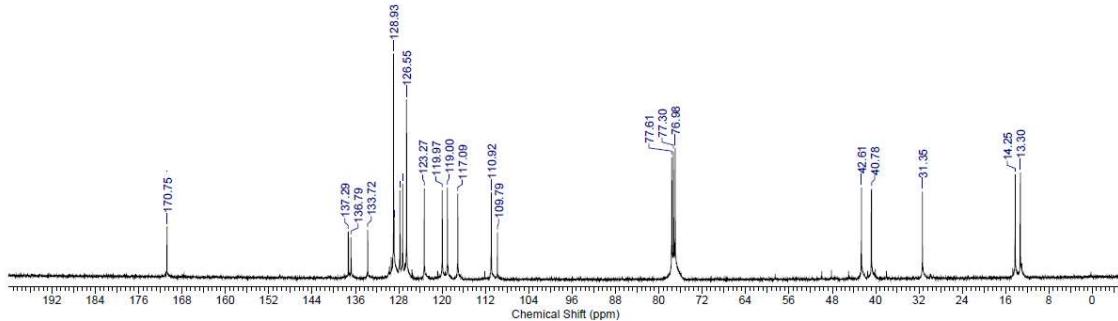


16. NMR Spectra of **1ga**

a) ^1H NMR Spectrum of **1ga**

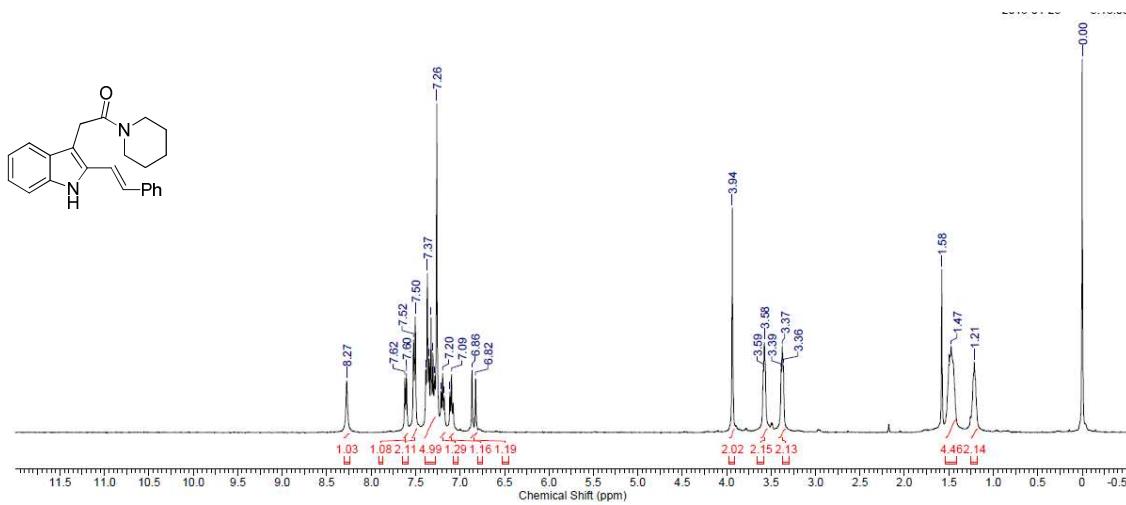


b) $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of **1ga**

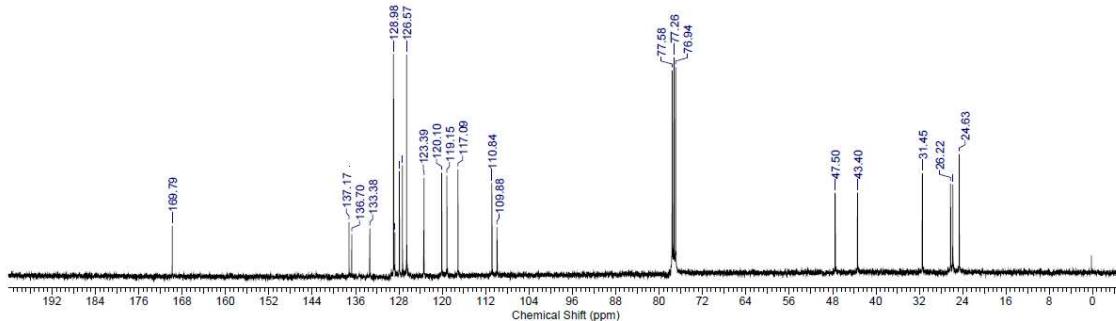


17. NMR Spectra of **1ha**

a) ^1H NMR Spectrum of **1ha**

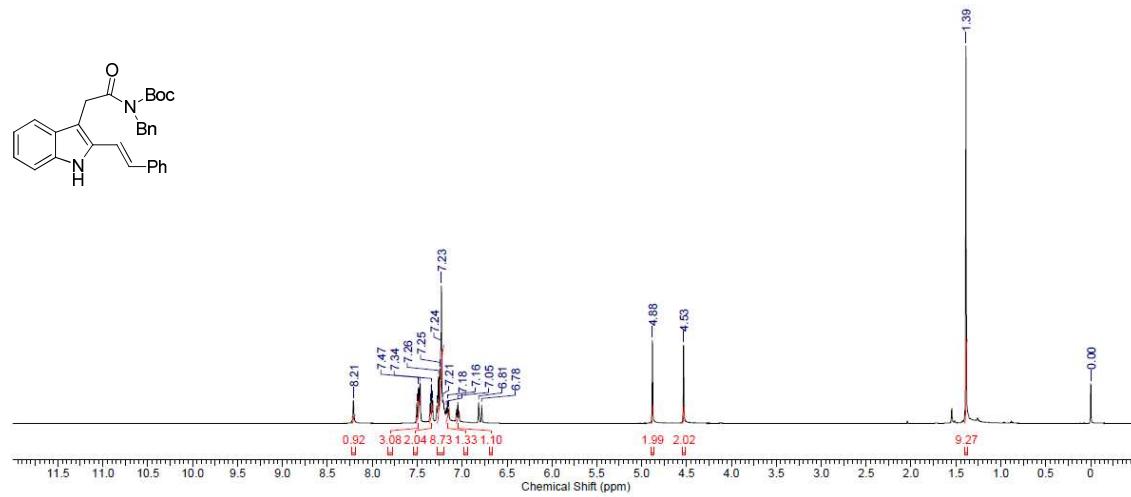


b) $^{13}\text{C}\{\text{H}\}$ NMR Spectrum of **1ha**

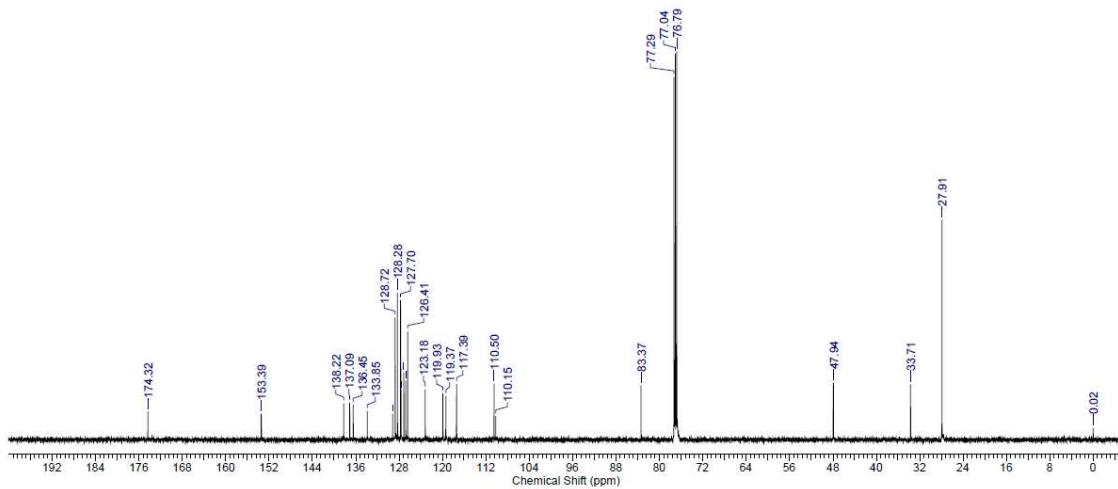


18. NMR Spectra of **1ia**

a) ^1H NMR Spectrum of **1ia**

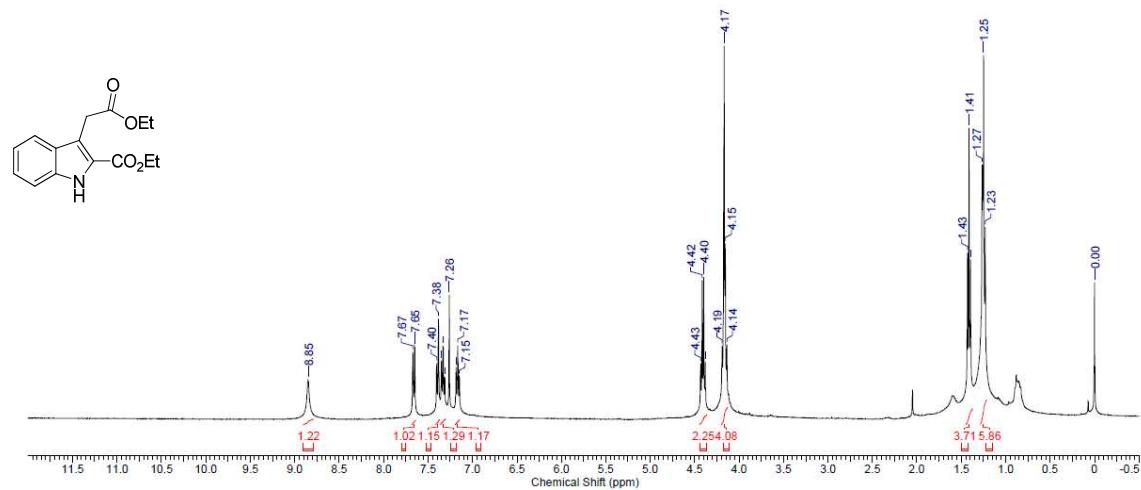


b) $^{13}\text{C}\{\text{H}\}$ NMR Spectrum of **1ia**



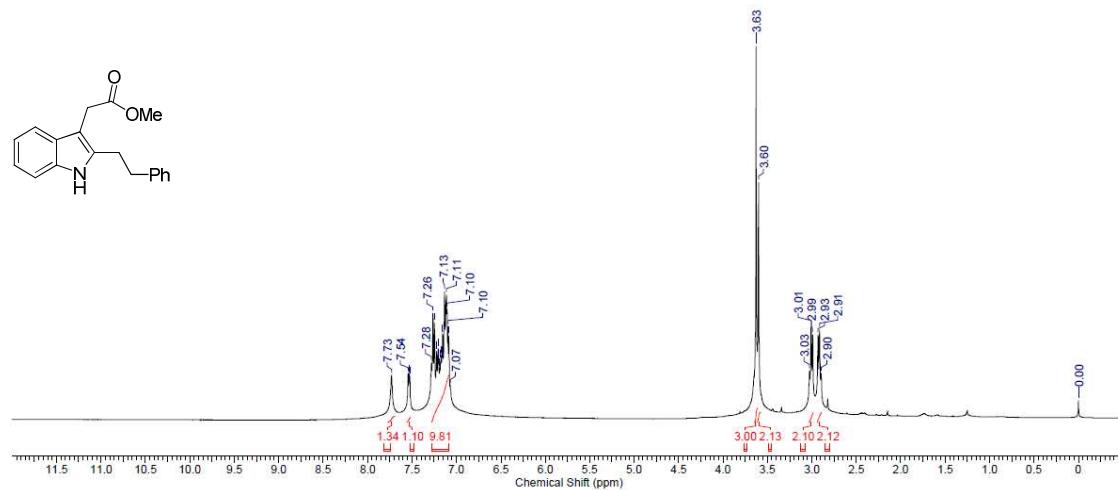
19. NMR Spectra of Compound 12

a) ^1H NMR Spectrum of 12

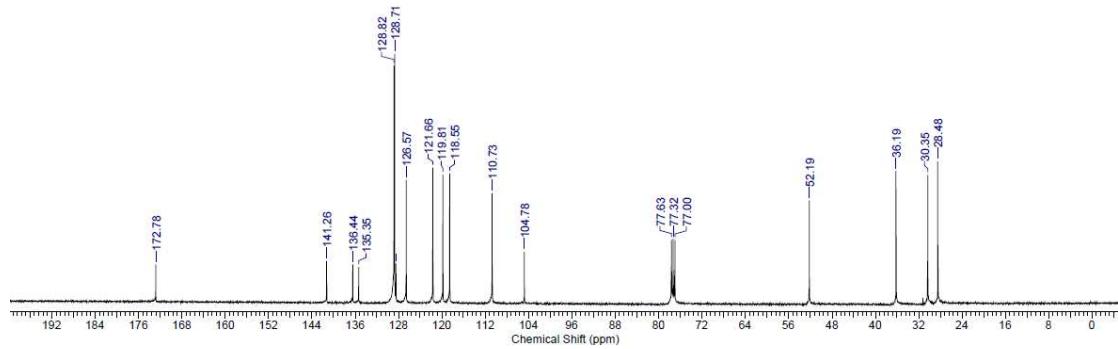


20. NMR Spectra of Compound 9

a) ^1H NMR Spectrum of 9

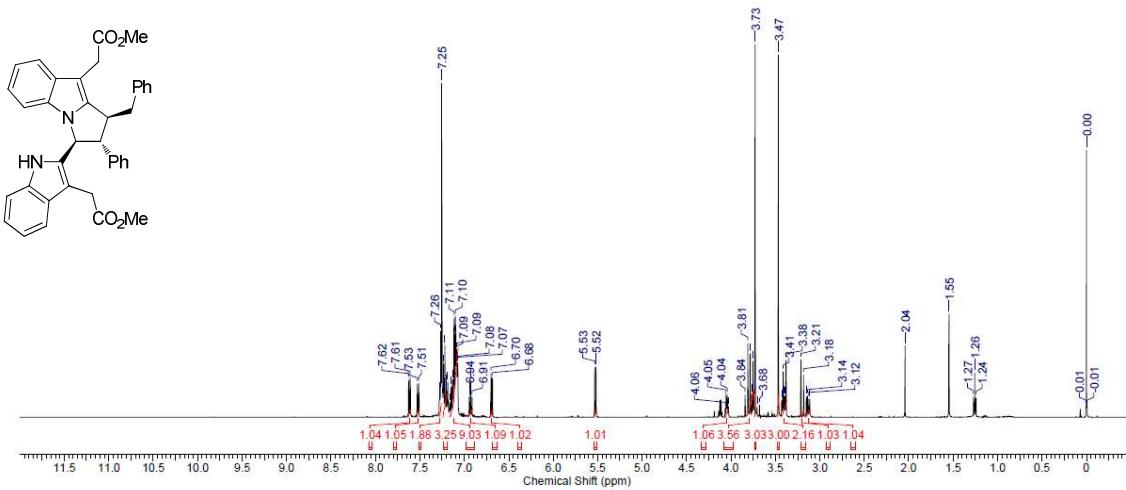


b) $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of 9



21. NMR Spectra of Compound **10**

a) ^1H NMR Spectrum of **10**



b) $^{13}\text{C}\{\text{H}\}$ NMR Spectrum of **10**

