

Supplementary Material

Synthesis and photoreaction of 2-amino-3-cyano-4-aryl-4*H*-pyrans

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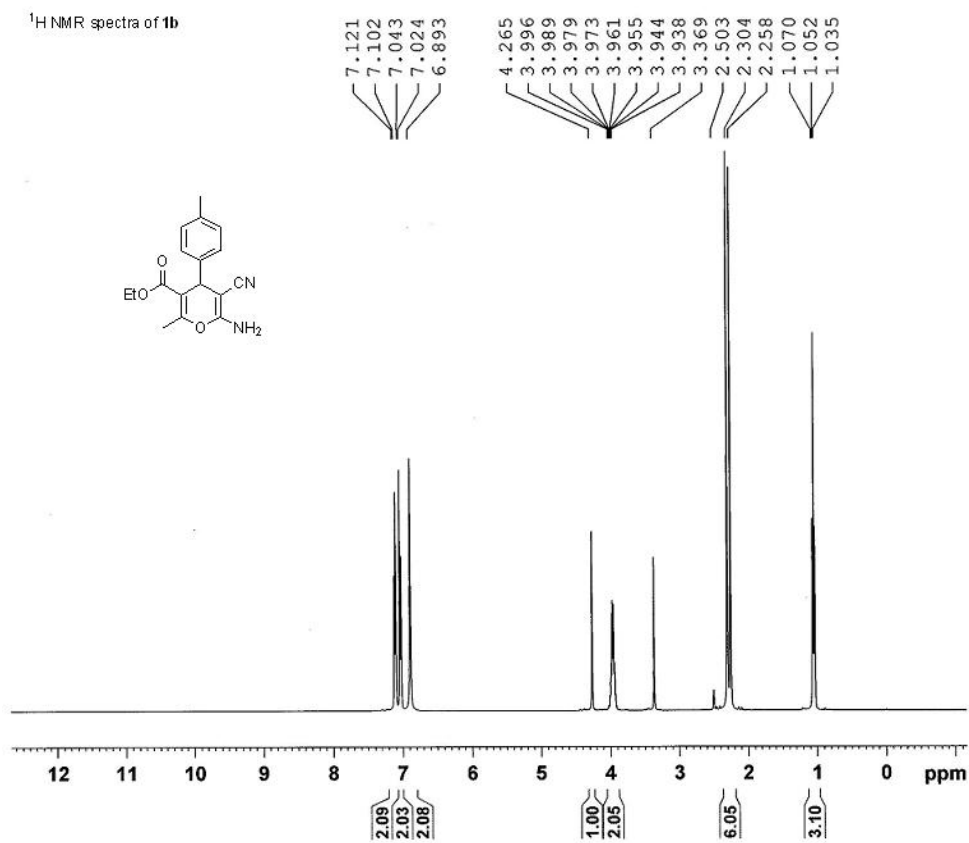
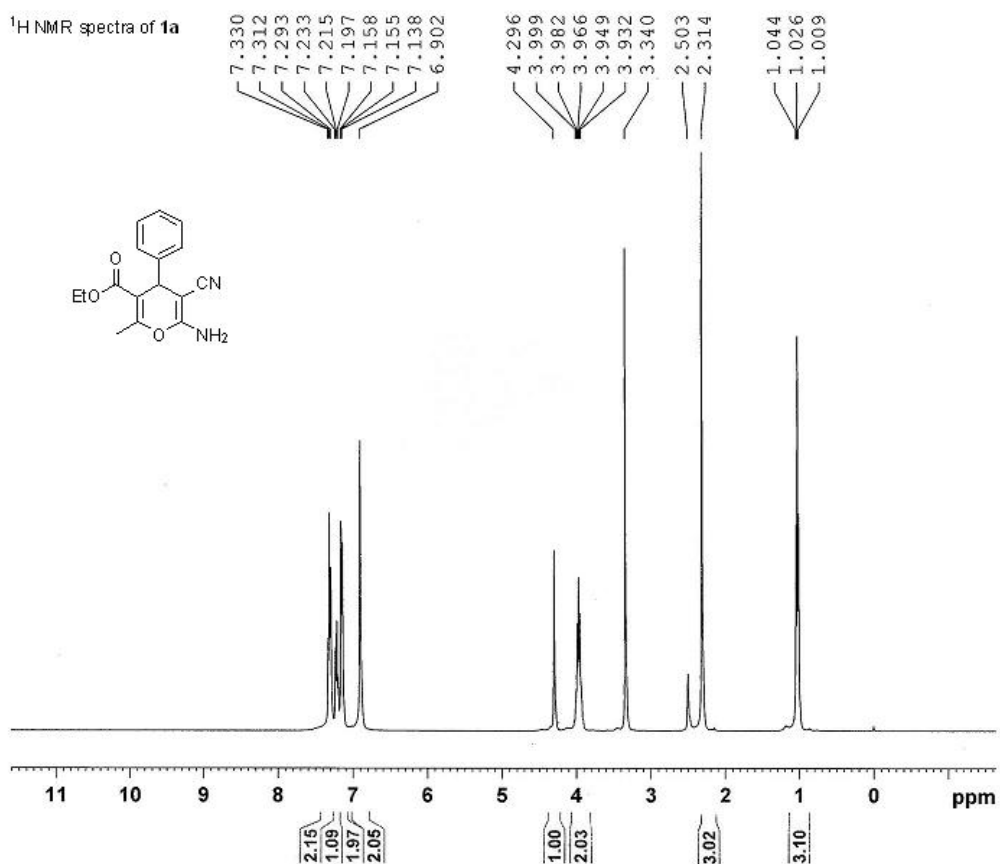
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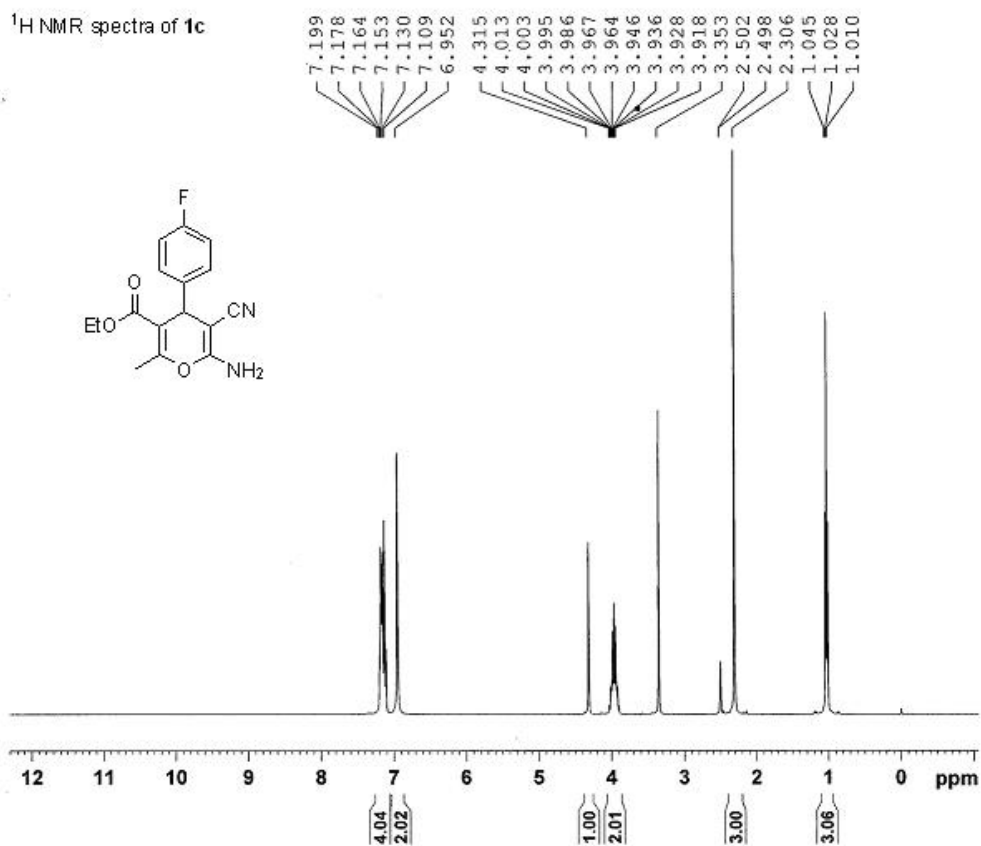
General Information

All of the chemicals were purchased from commercial sources and were used without further purification. ^1H NMR and ^{13}C NMR spectra were recorded on a Bruker Avance 400 spectrometer at 400 MHz and 100 MHz, respectively, using CDCl_3 or $\text{DMSO-}d_6$ as the solvent and tetramethylsilane (TMS) as the internal standard.

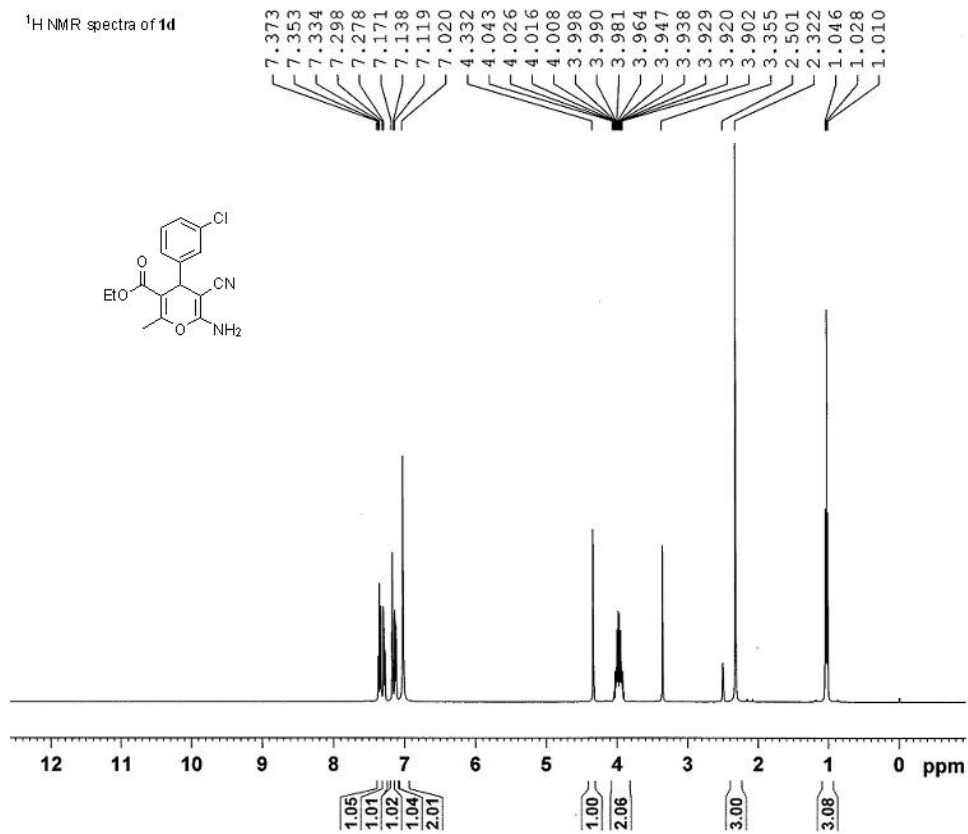
¹H and ¹³C NMR spectra



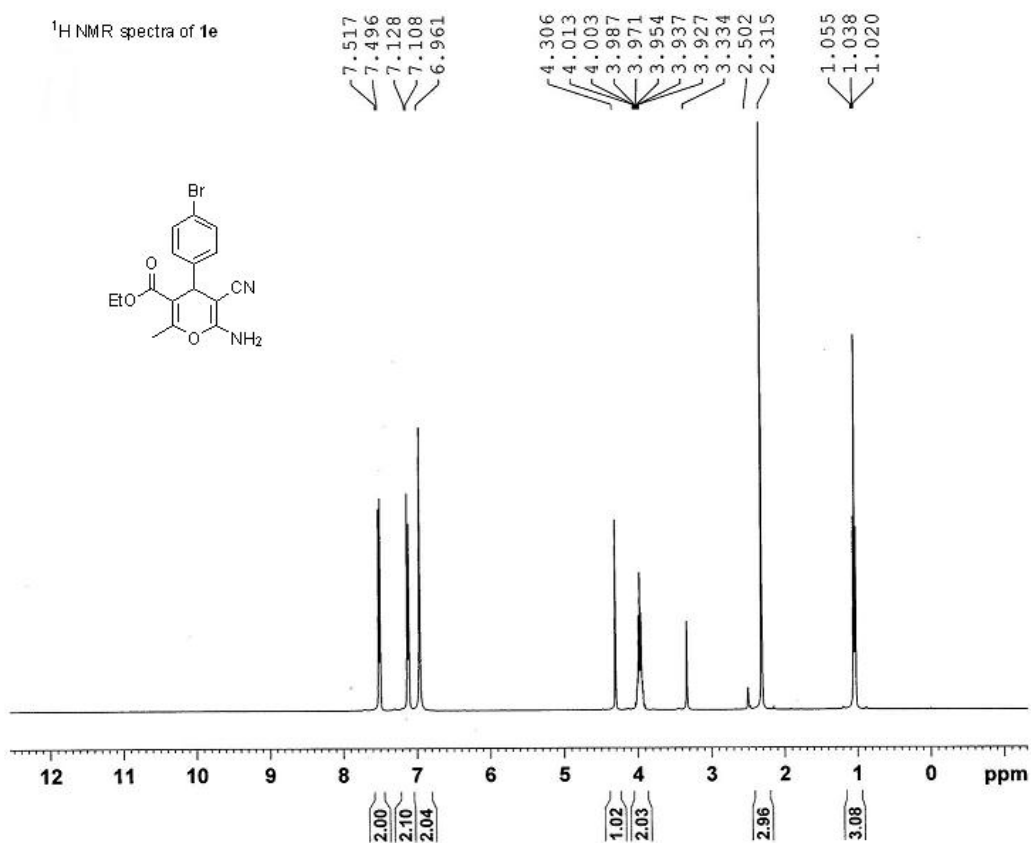
¹H NMR spectra of **1c**



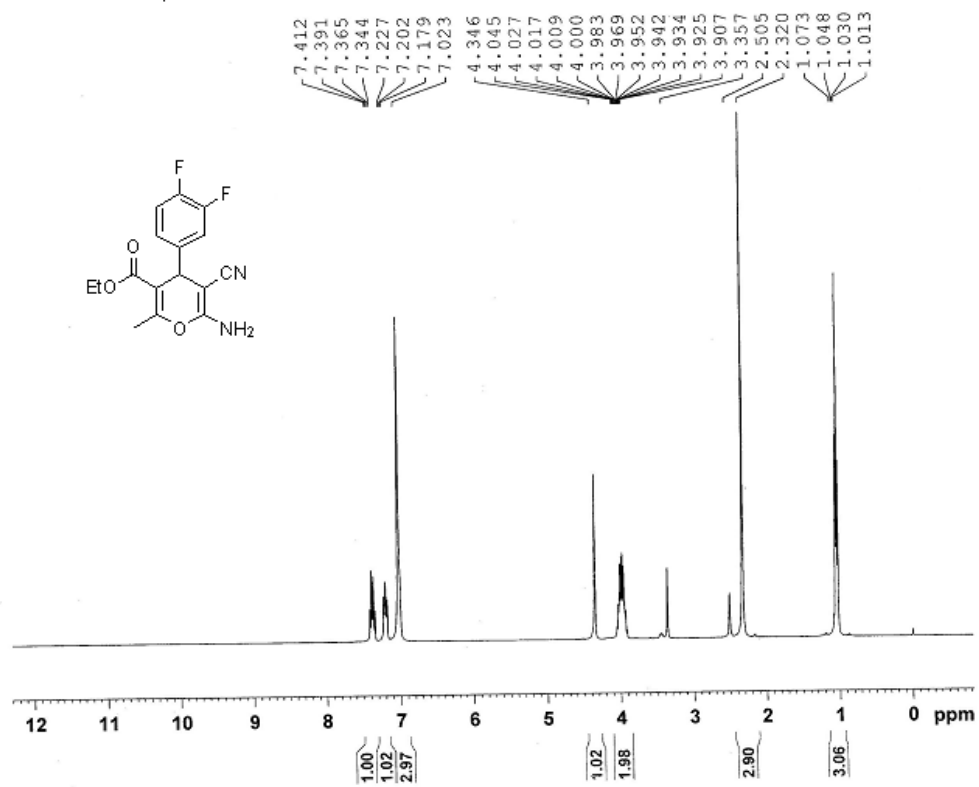
¹H NMR spectra of **1d**

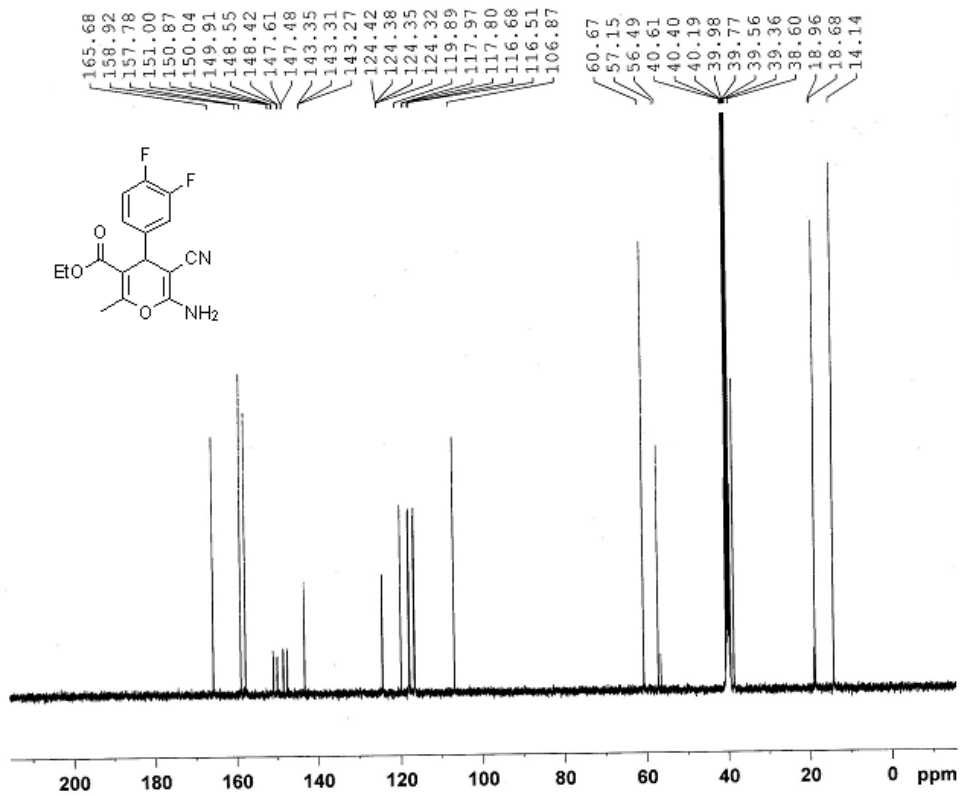


¹H NMR spectra of **1e**

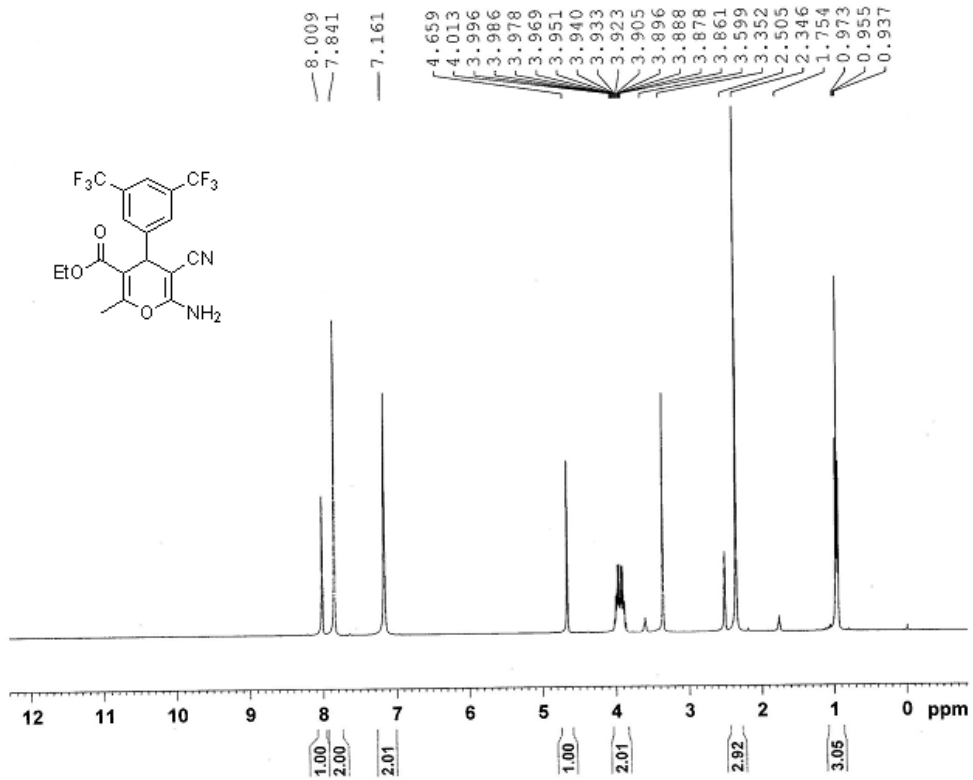


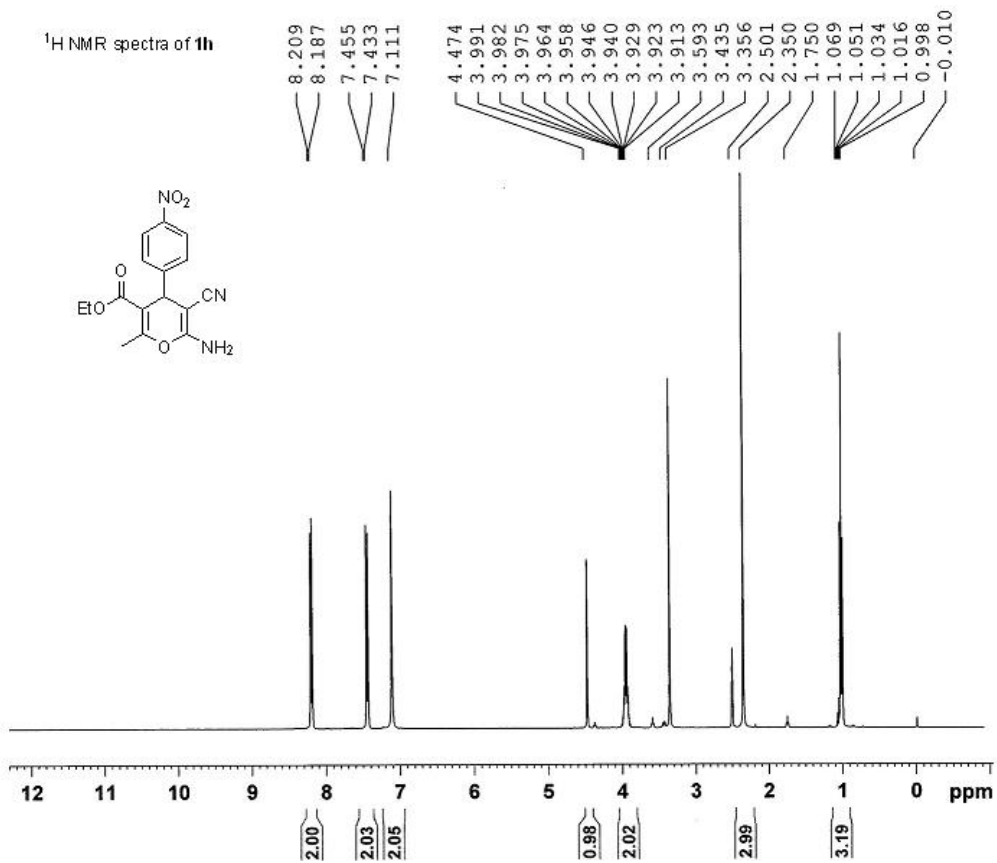
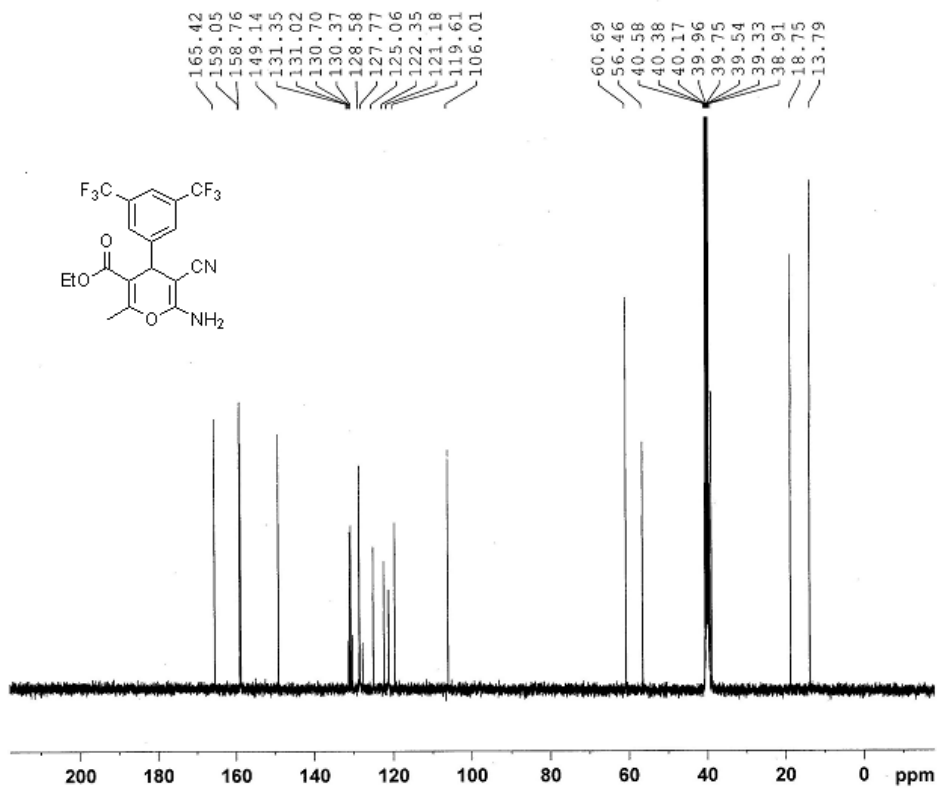
¹H and ¹³C NMR spectra of **1f**



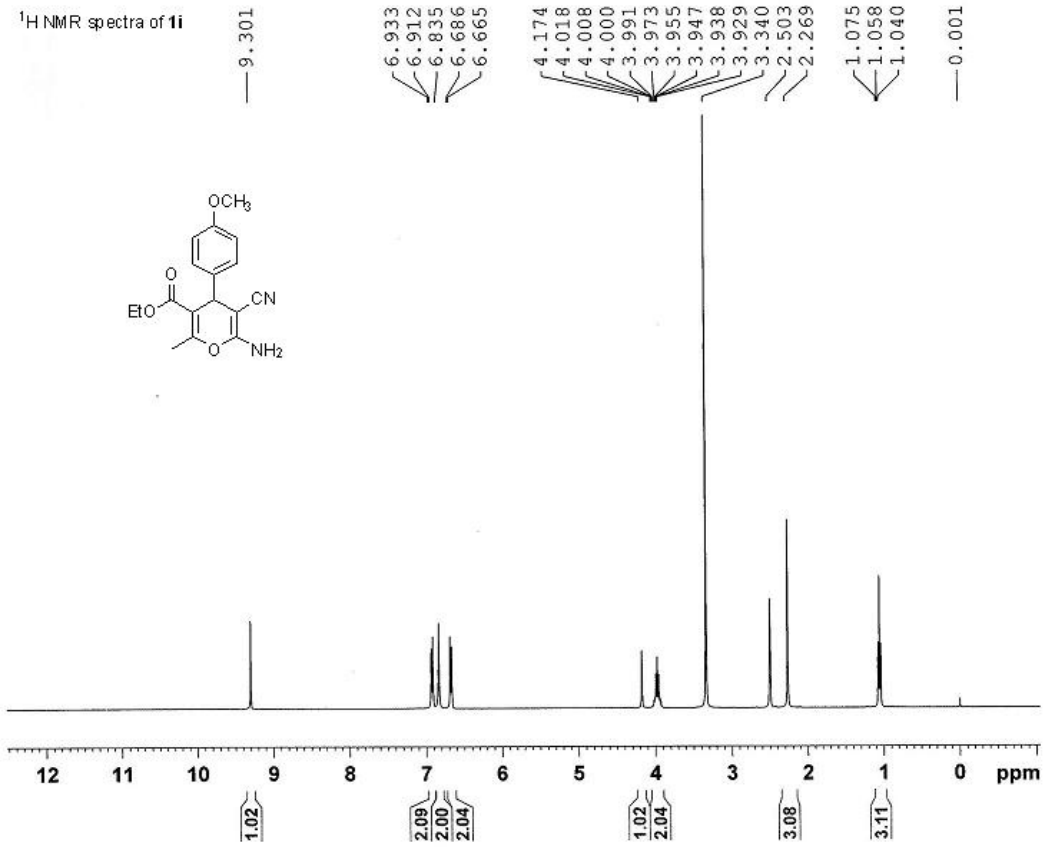


¹H and ¹³C NMR spectra of 1g

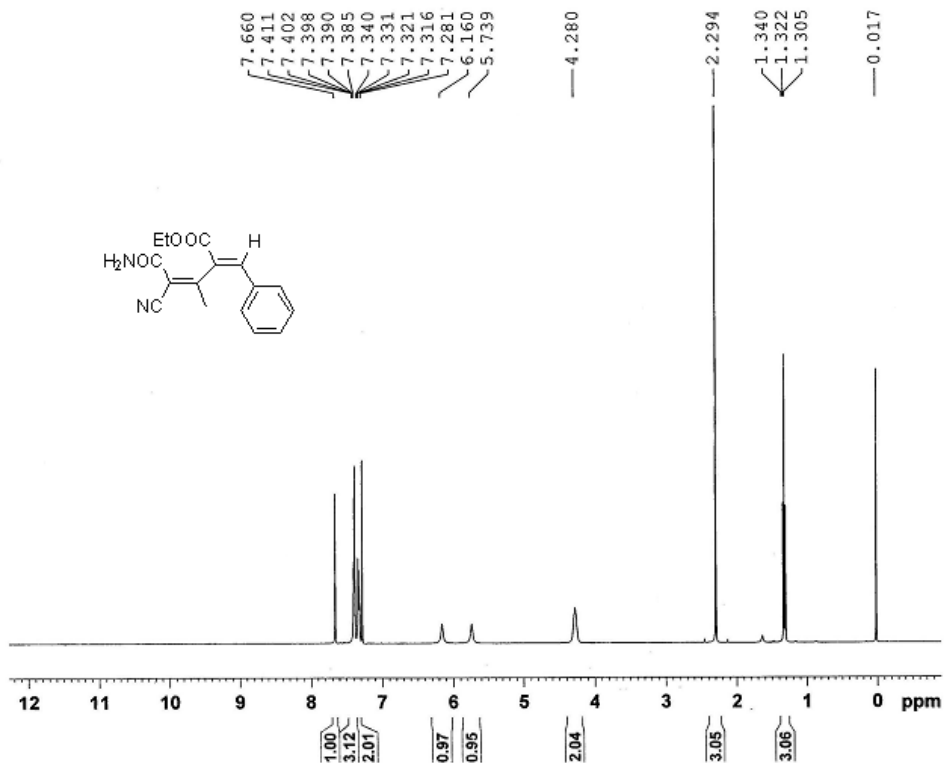


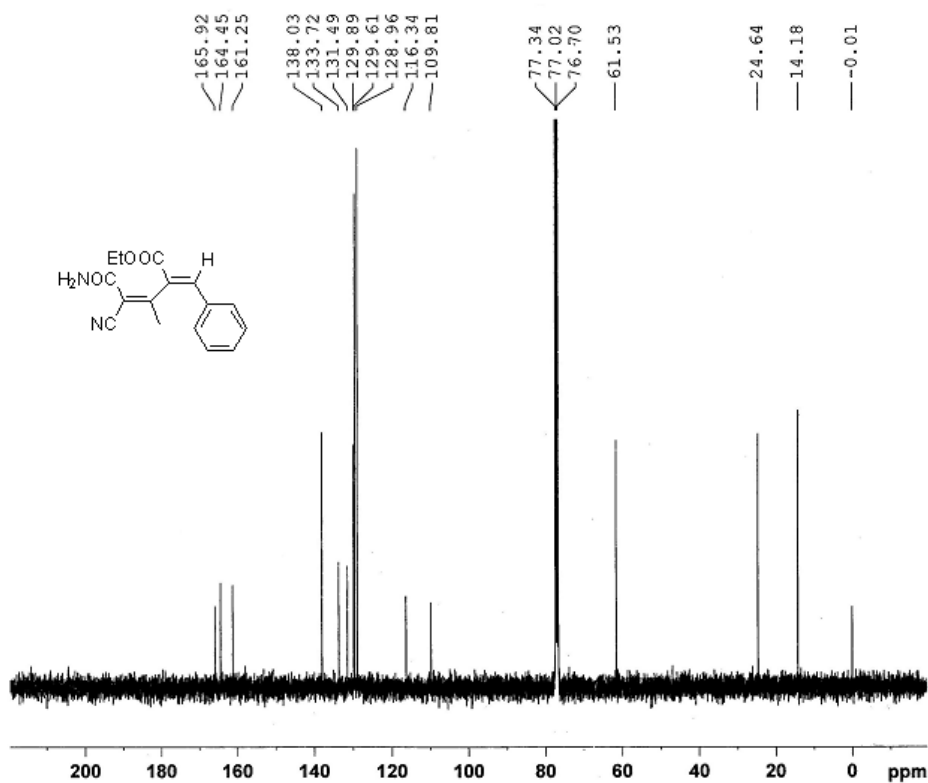


¹H NMR spectra of 1i

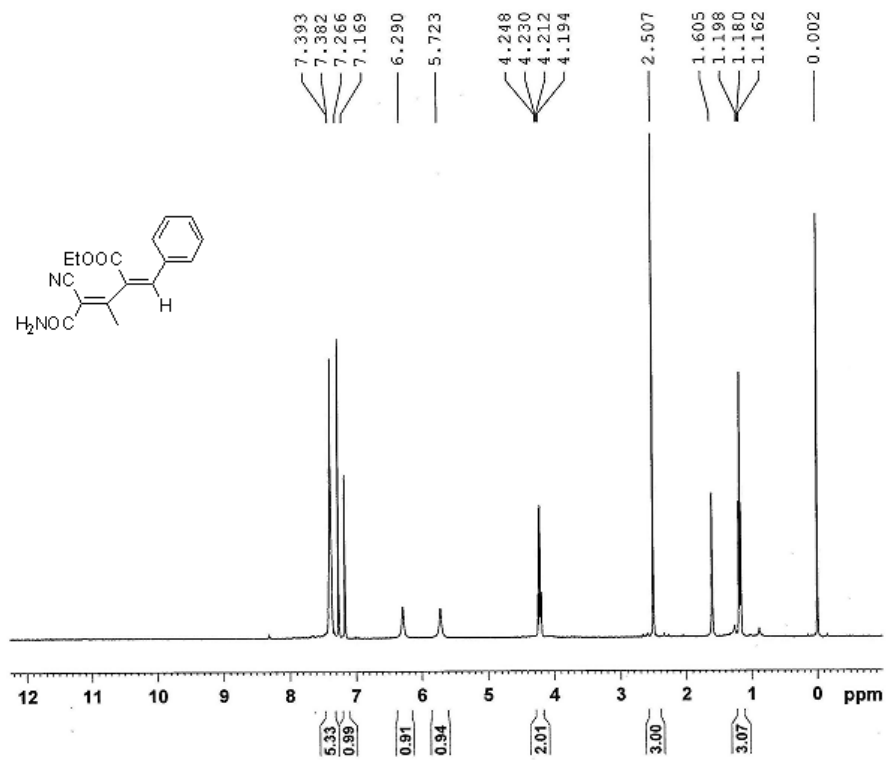


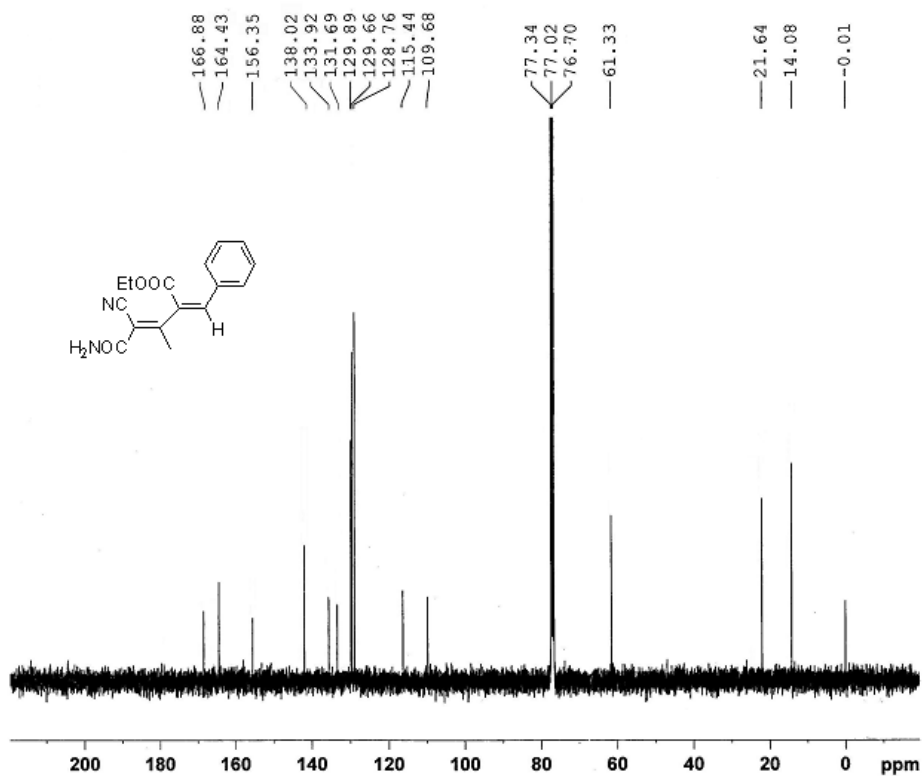
¹H and ¹³C NMR spectra of 2a



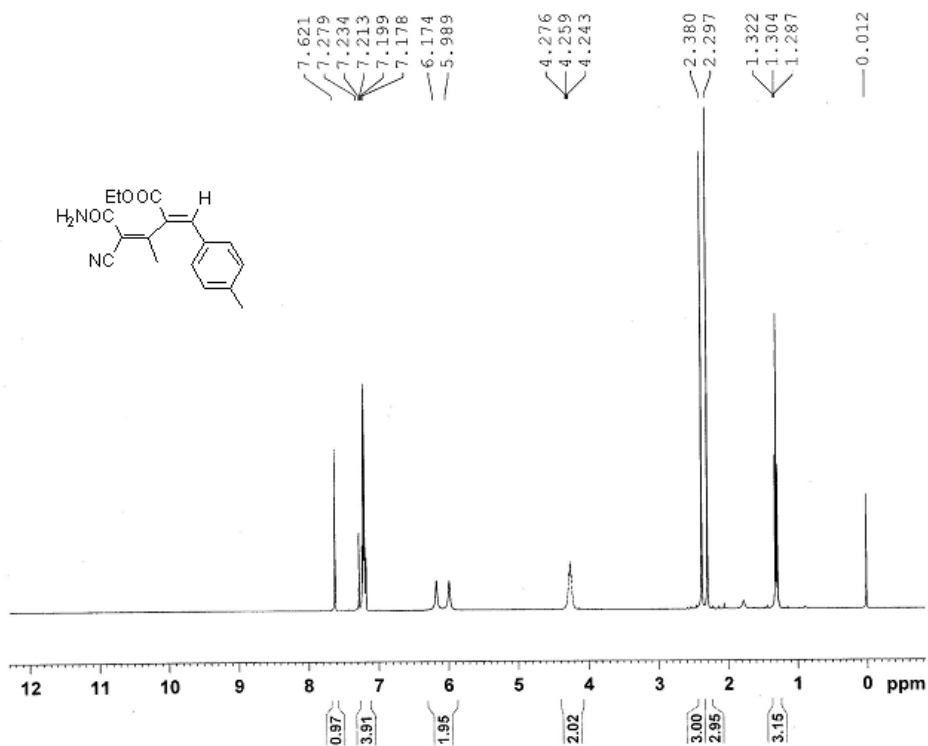


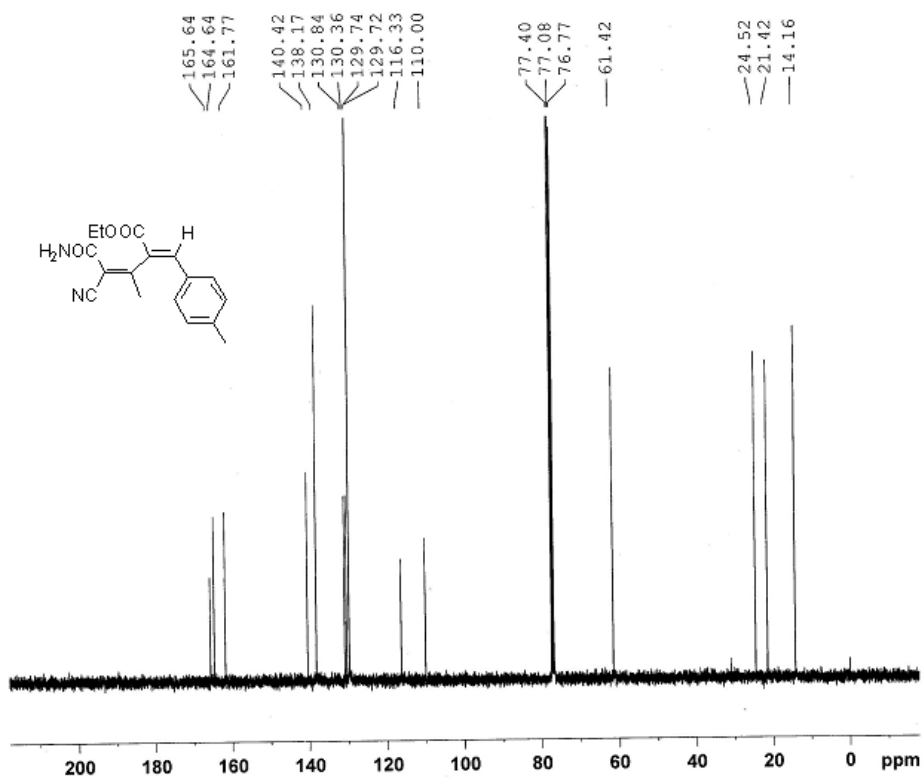
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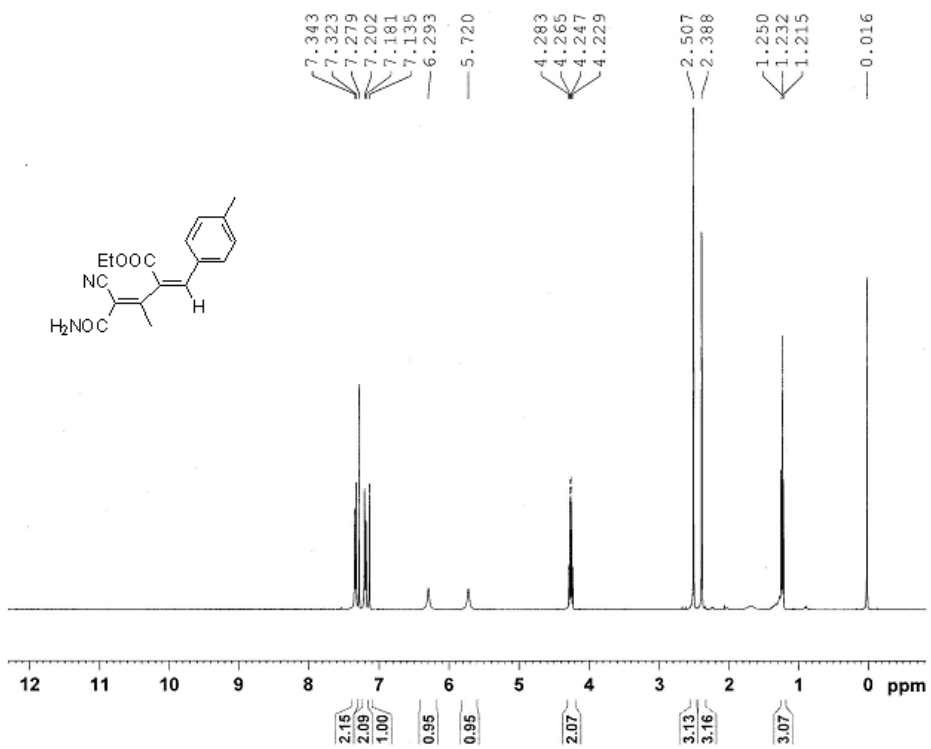


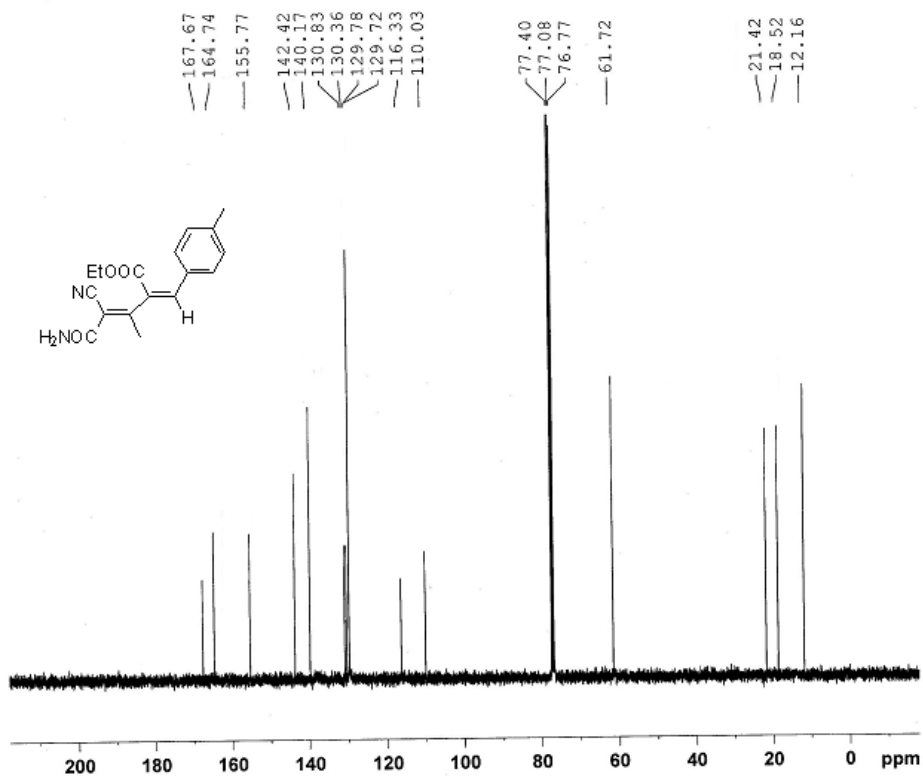
¹H and ¹³C NMR spectra of **2b**



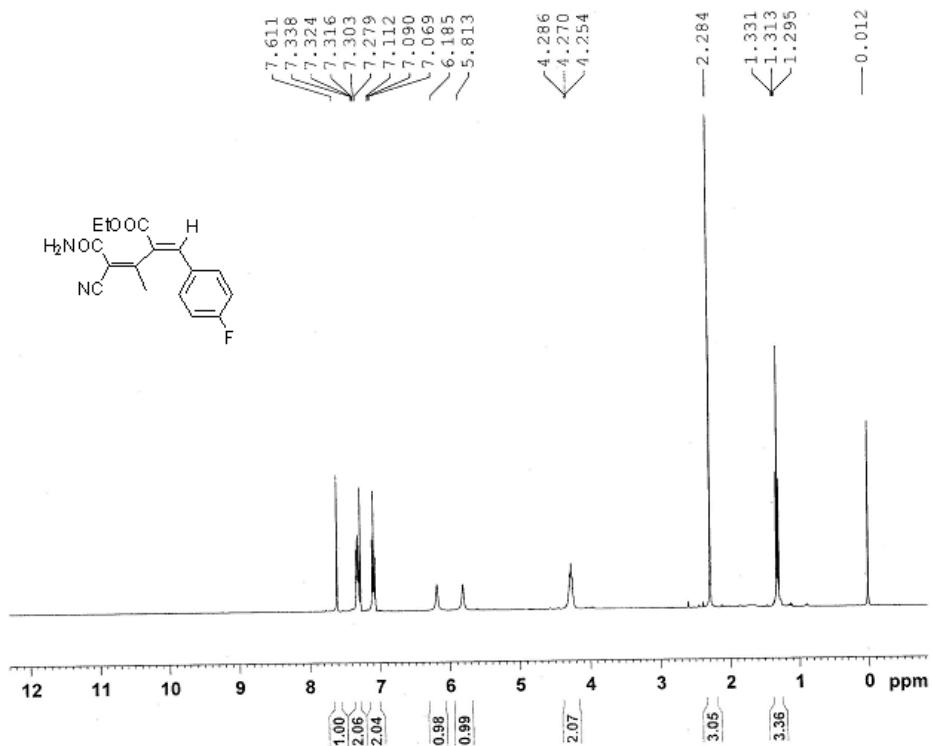


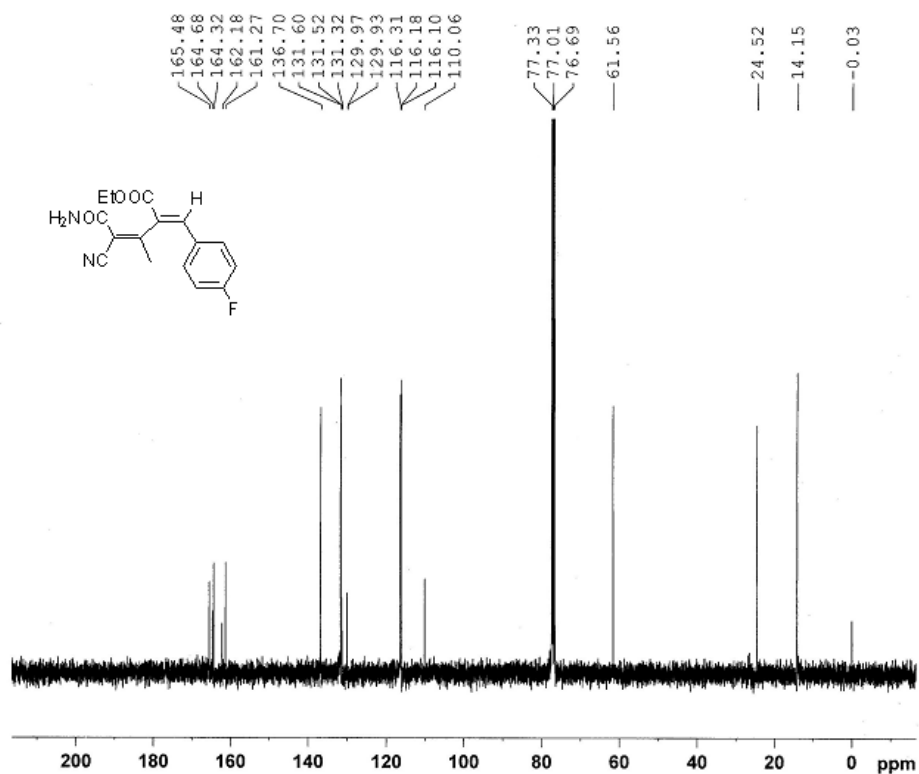
¹H and ¹³C NMR spectra of 3b



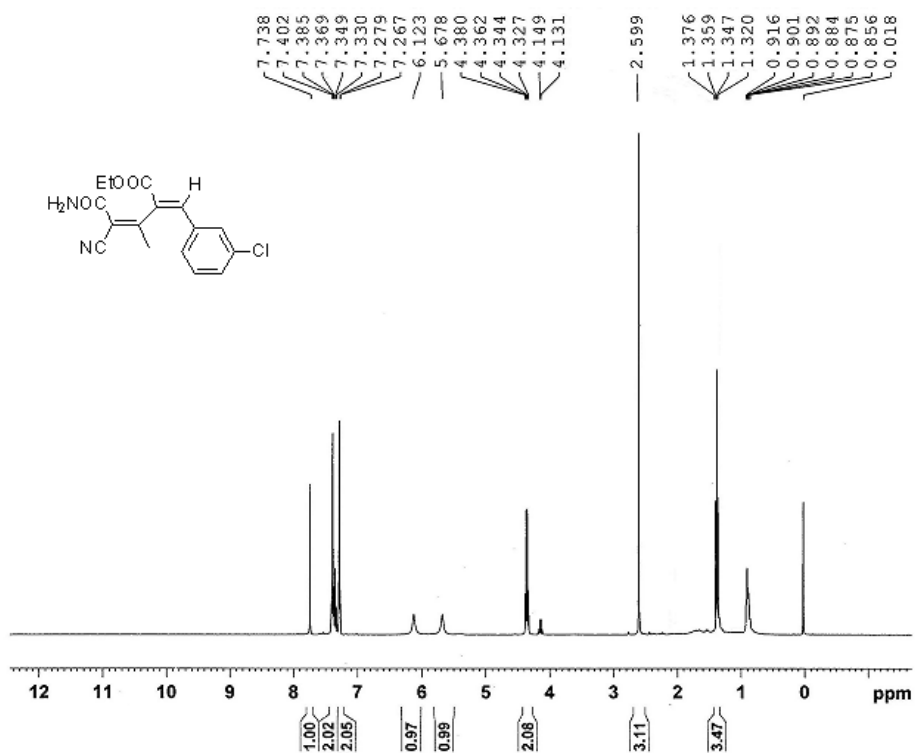


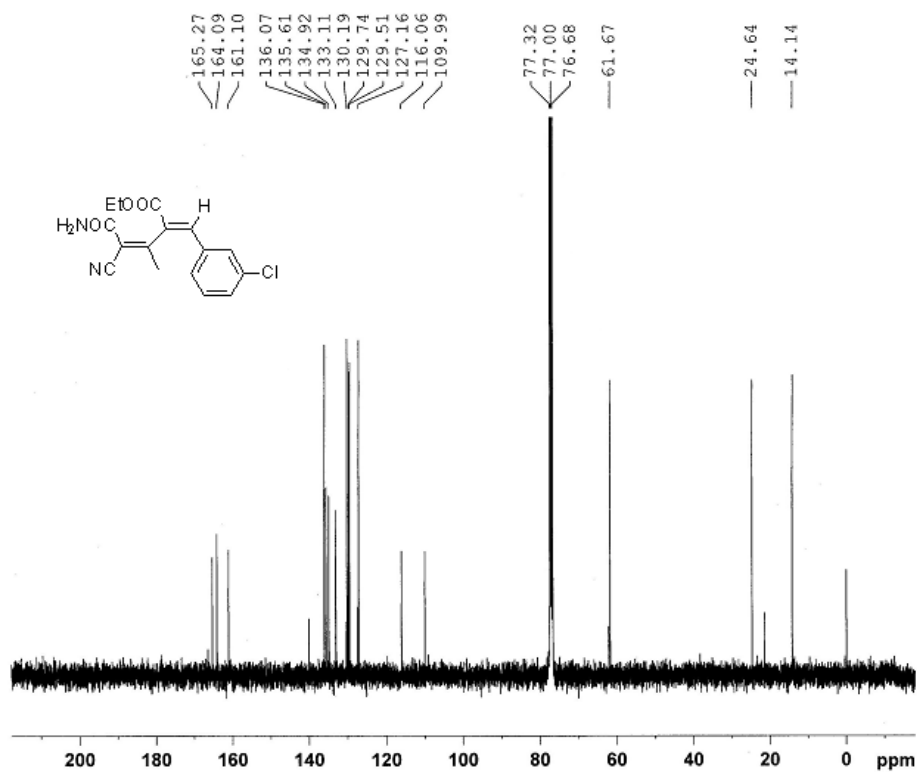
¹H and ¹³C NMR spectra of 2c



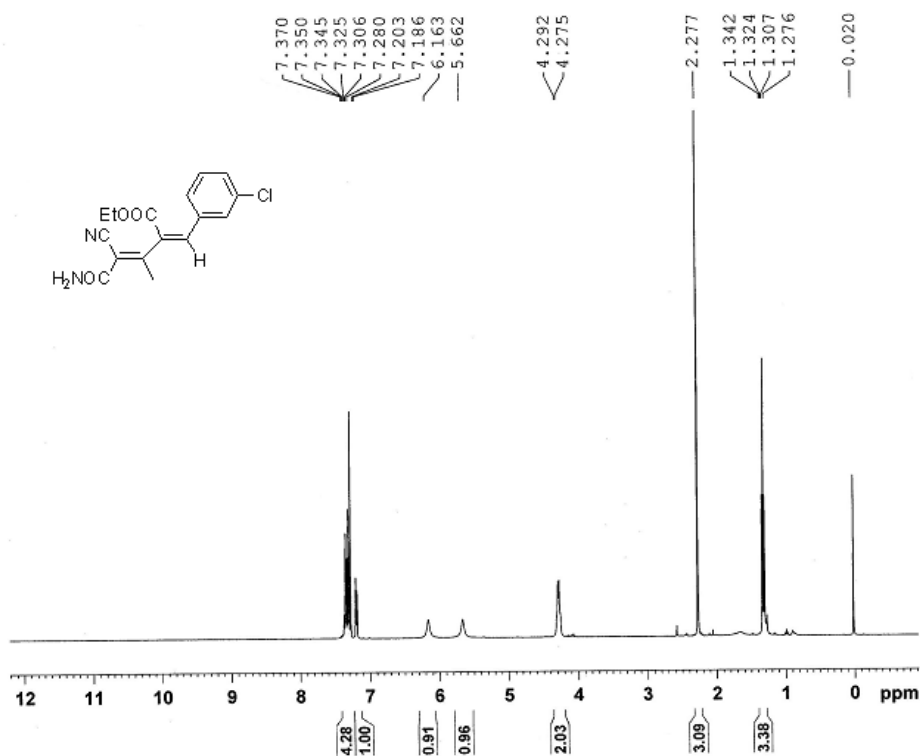


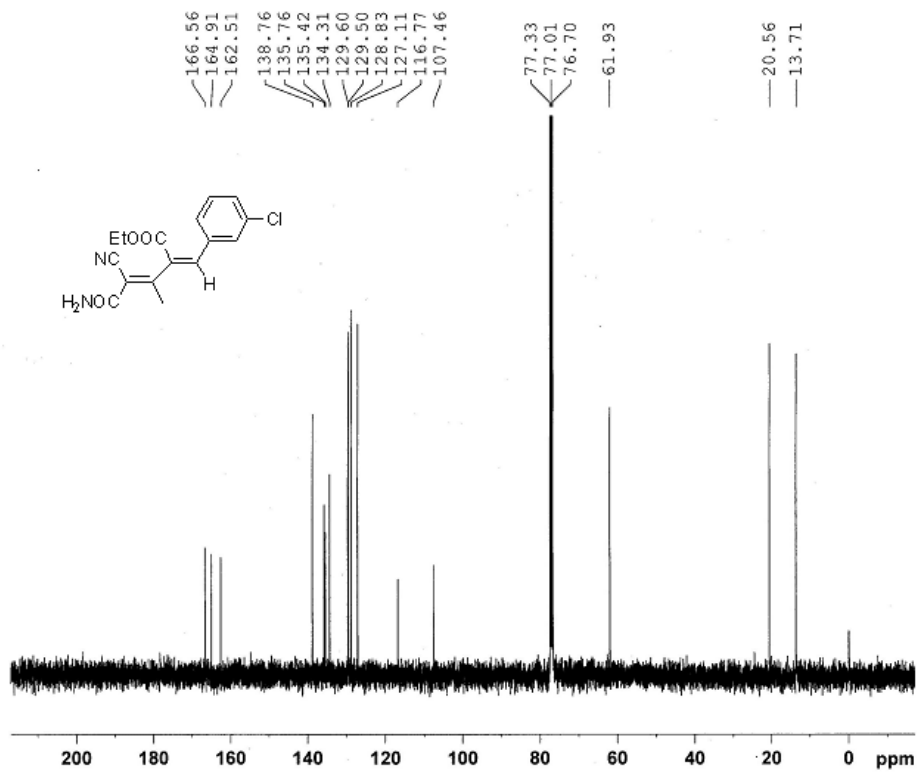
¹H and ¹³C NMR spectra of 2d



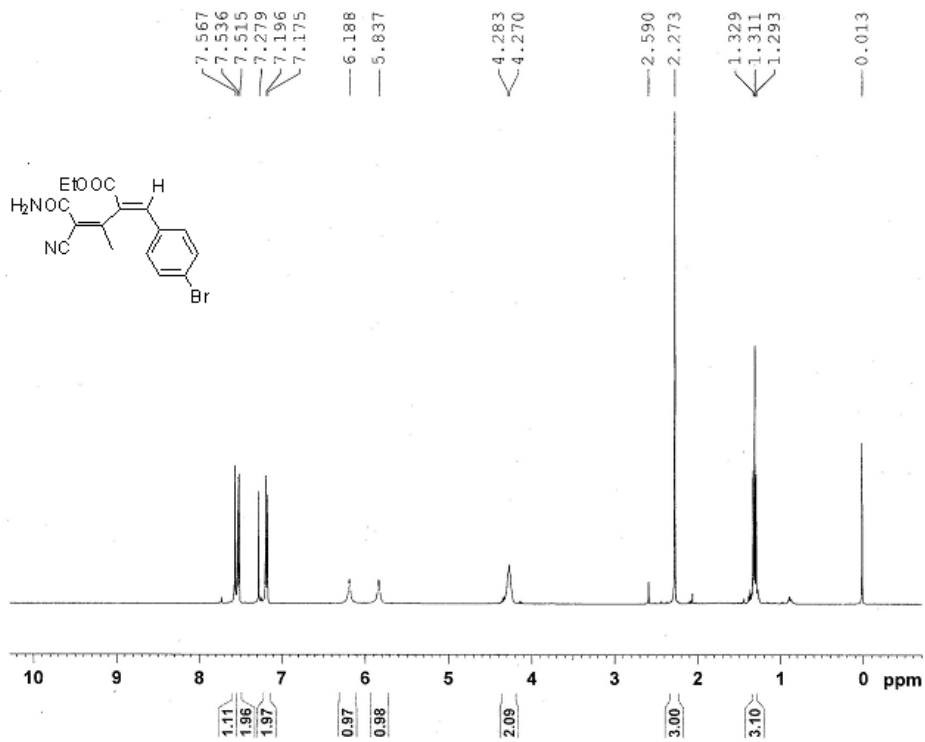


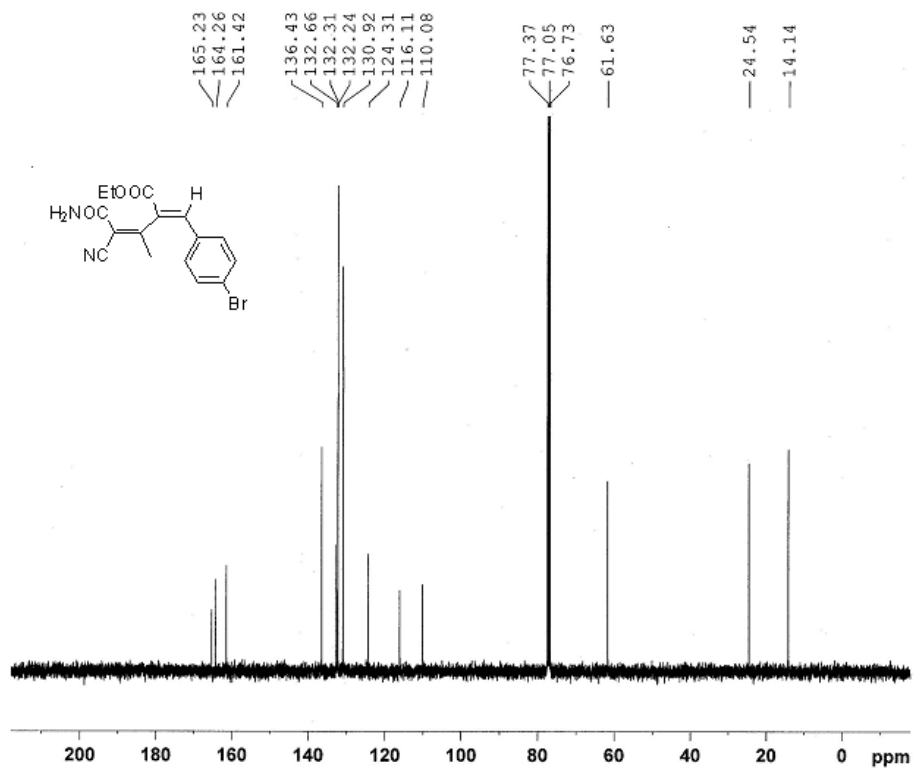
¹H and ¹³C NMR spectra of 3d



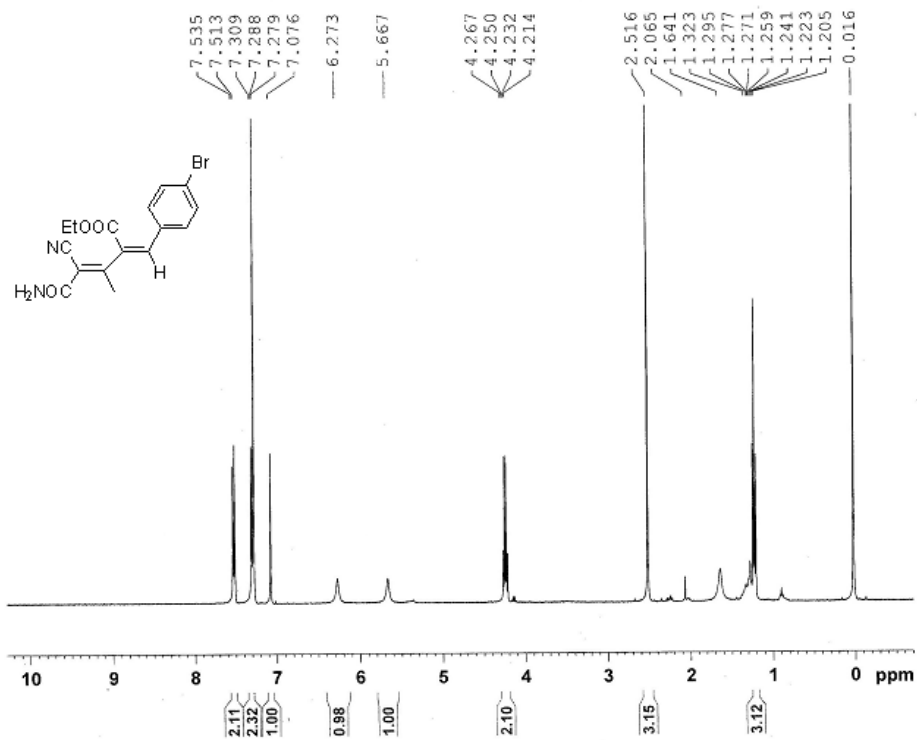


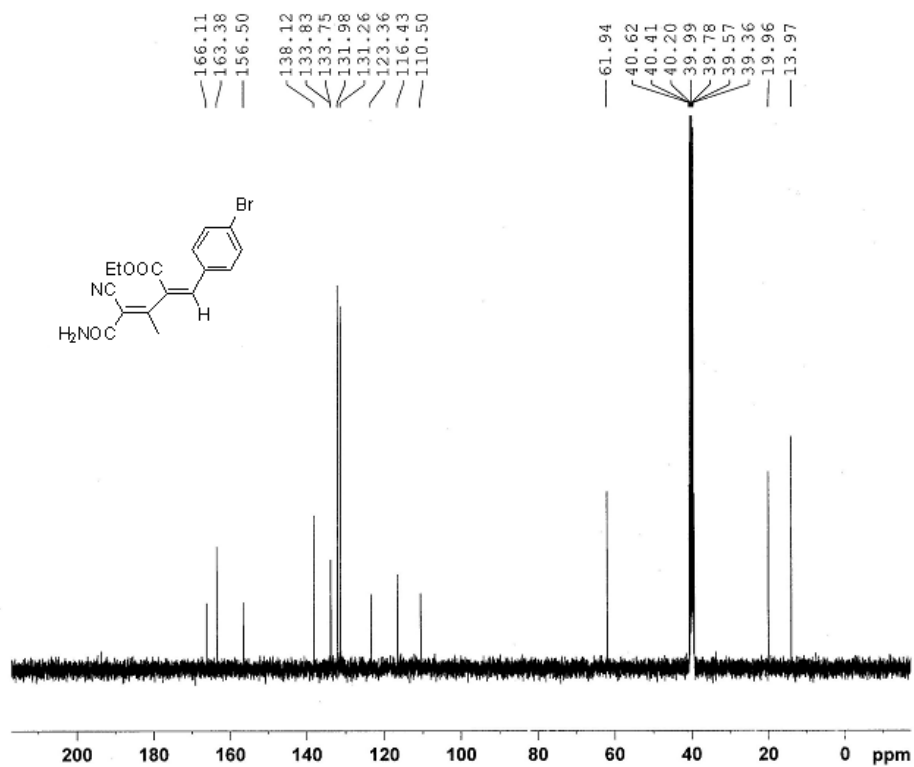
¹H and ¹³C NMR spectra of 2e



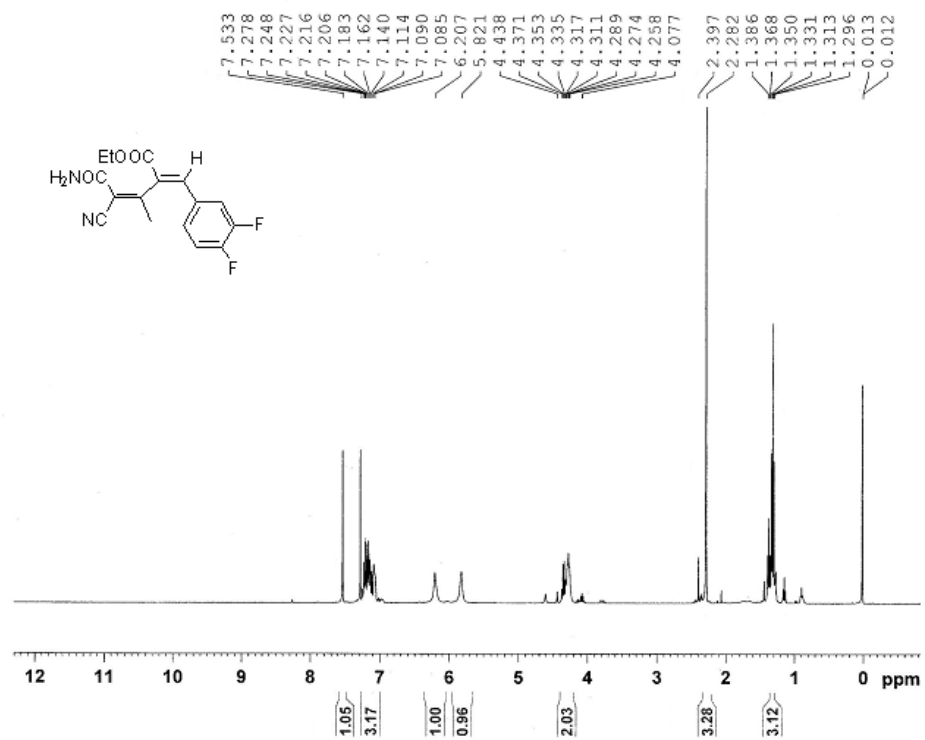


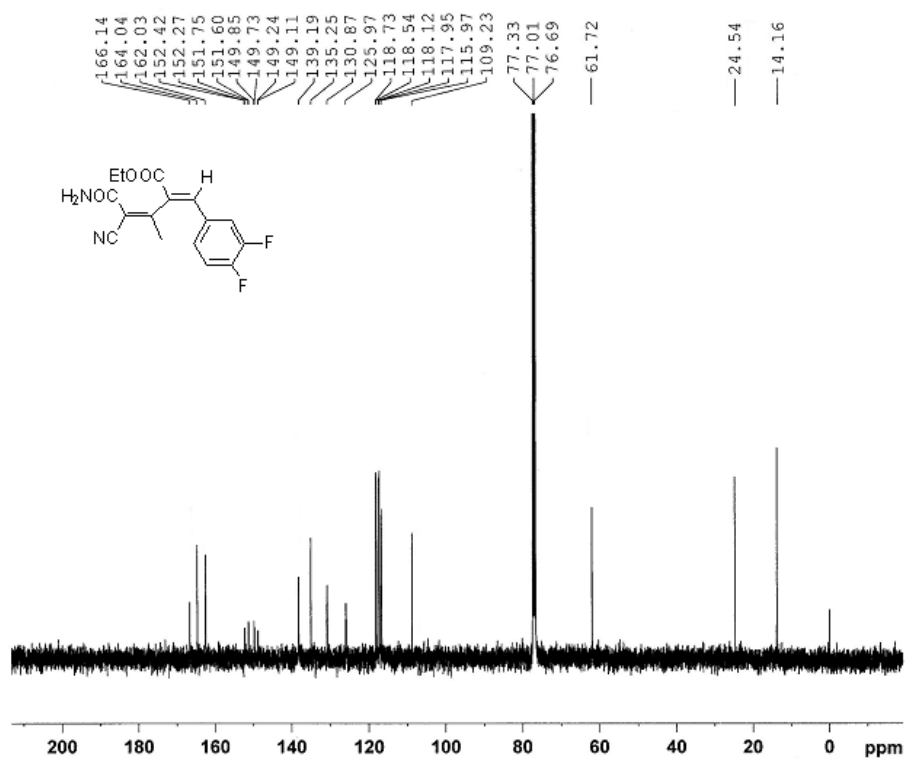
¹H and ¹³C NMR spectra of 3e



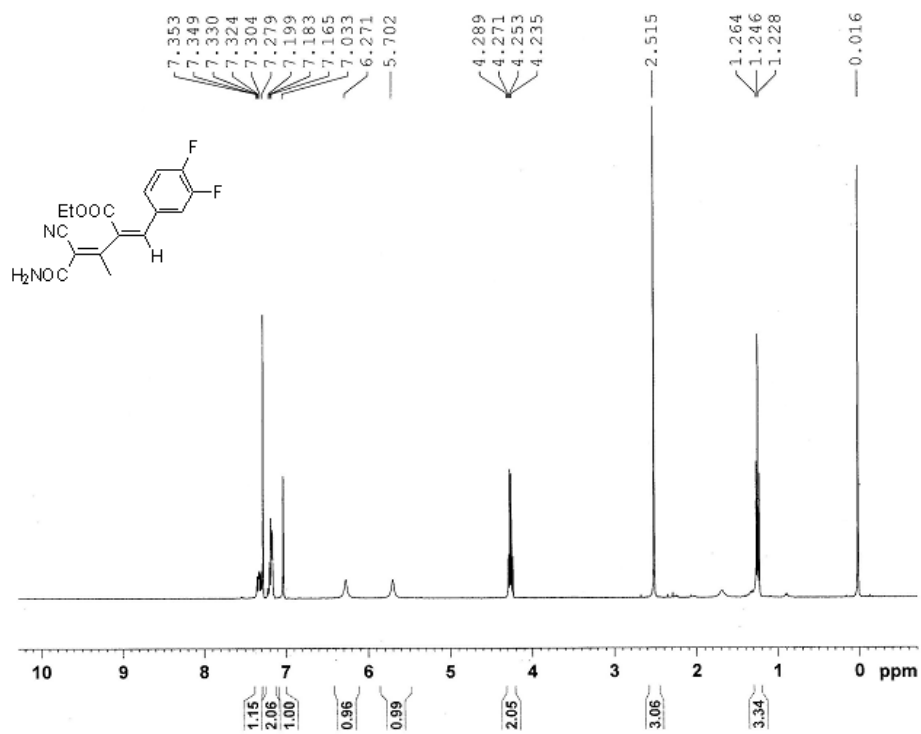


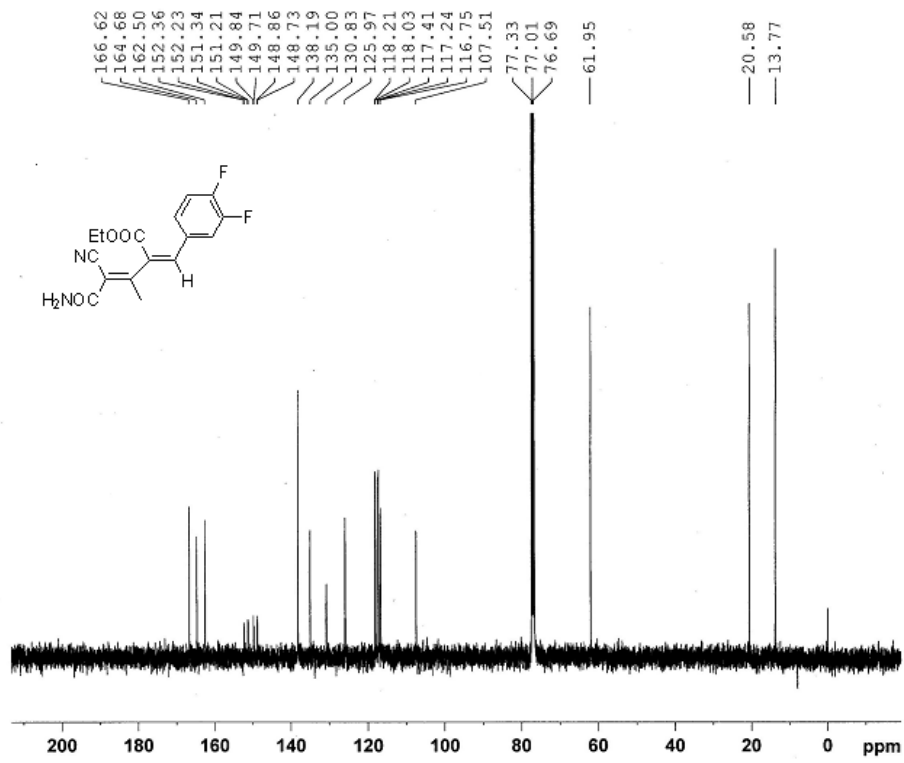
¹H and ¹³C NMR spectra of 2f





¹H and ¹³C NMR spectra of 3f





¹H and ¹³C NMR spectra of 3g

