

Supporting Information

Transition metal-free one pot synthesis of substituted pyrroles by employing aza-Wittig reaction

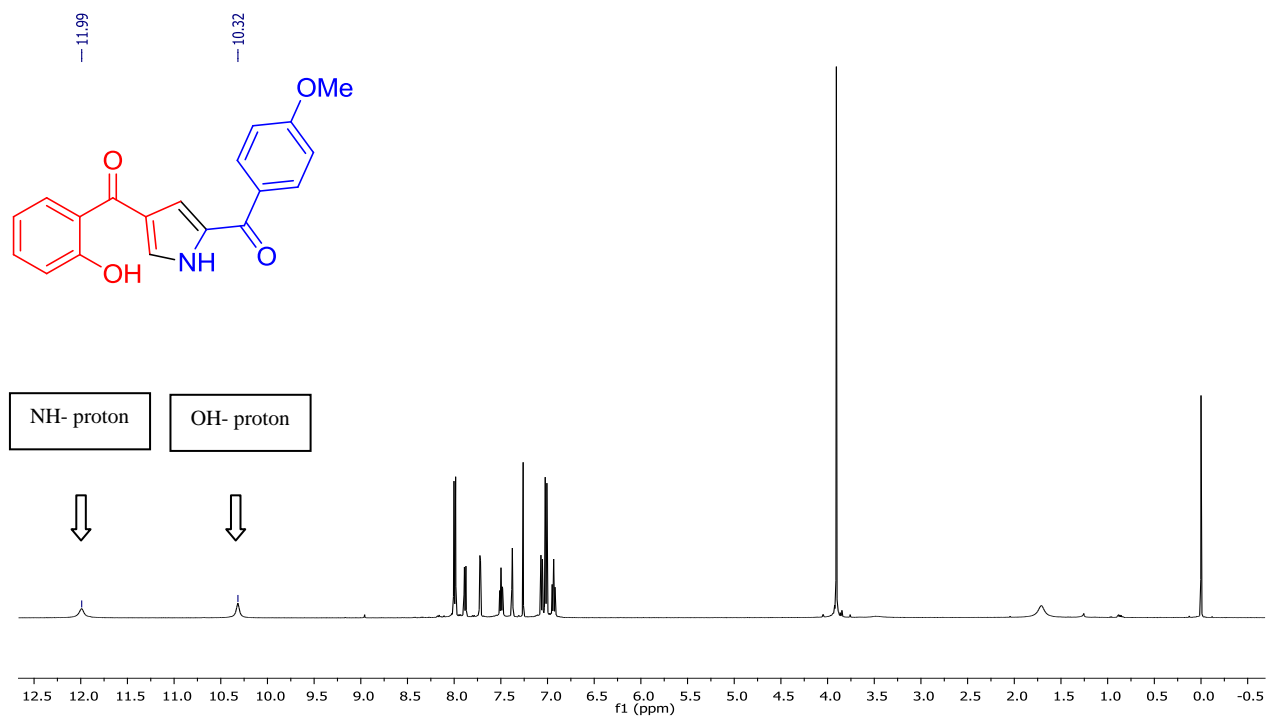
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^a*Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad 500037, India*

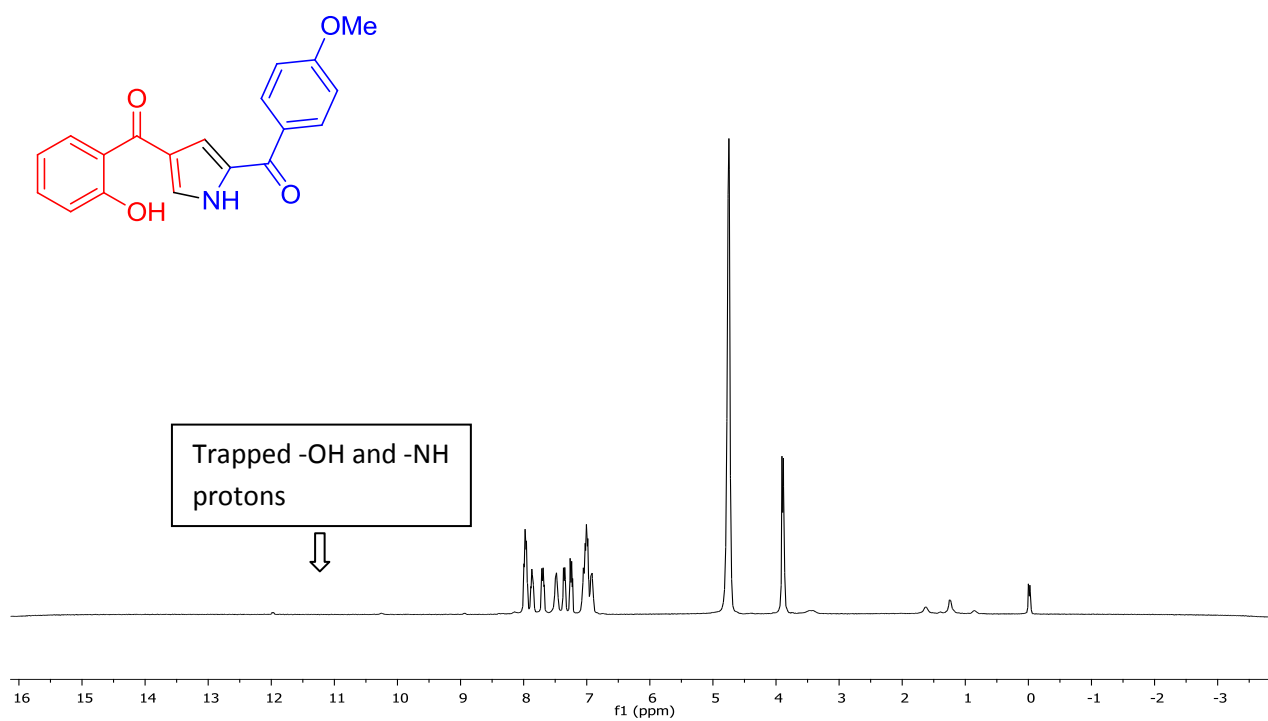
^b*Medicinal Chemistry & Pharmacology, CSIR-Indian Institute of Chemical Technology, Hyderabad 500007, India*

^c*School of Pharmaceutical Education and Research (SPER), Jamia Hamdard, New Delhi, 110062, India*

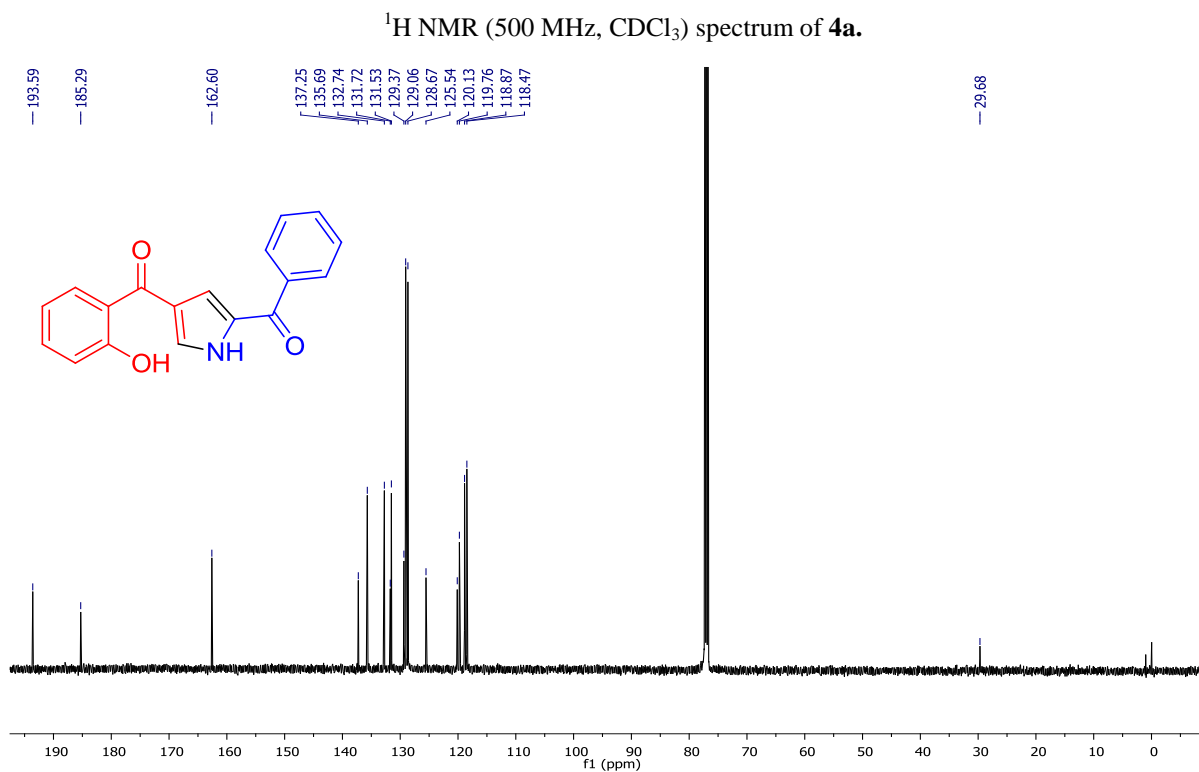
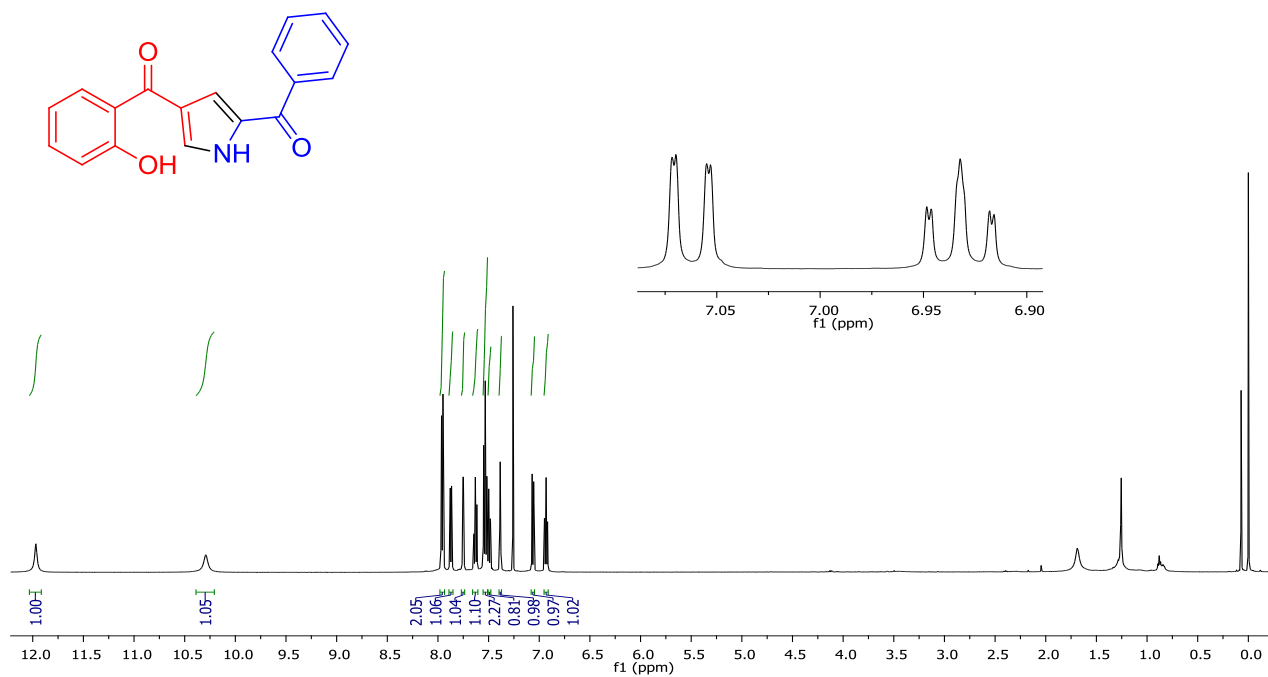
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¹ H NMR and ¹³ C NMR spectra	2-25

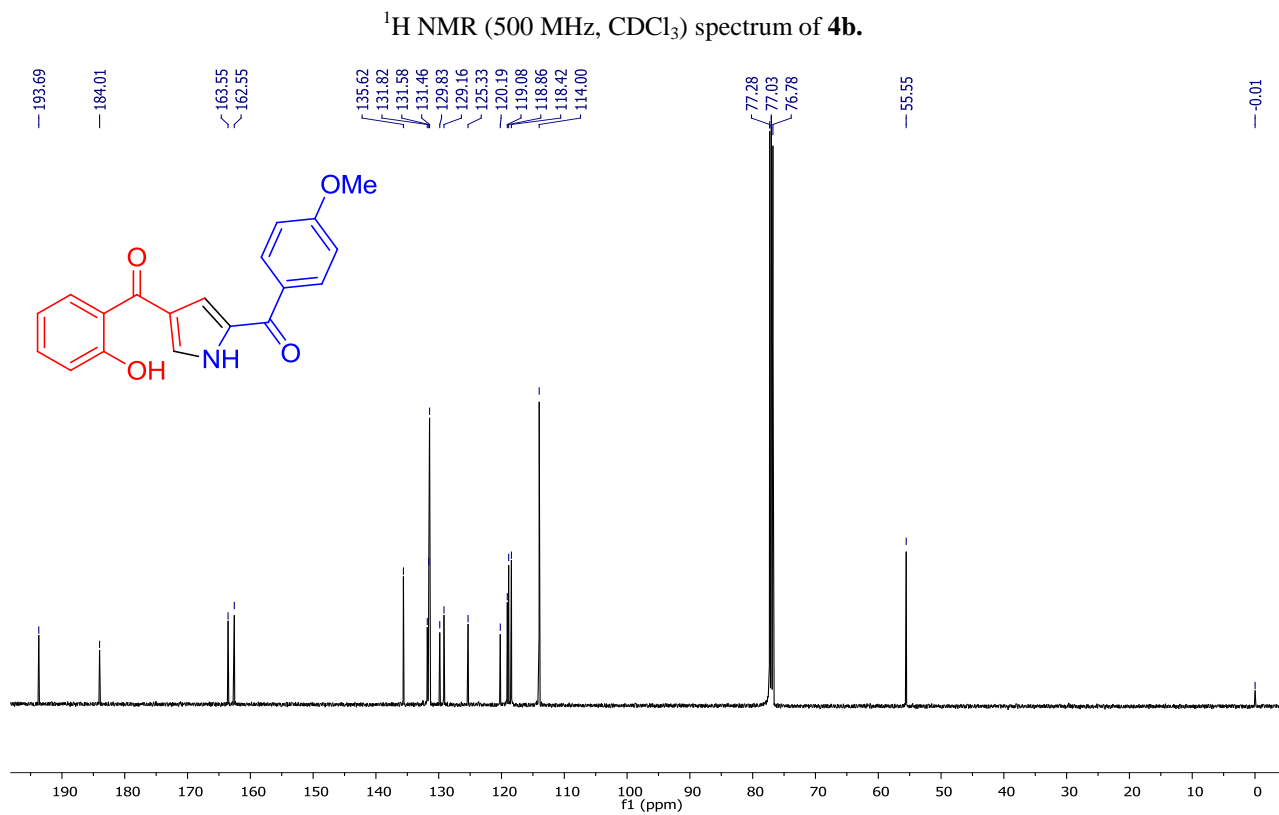
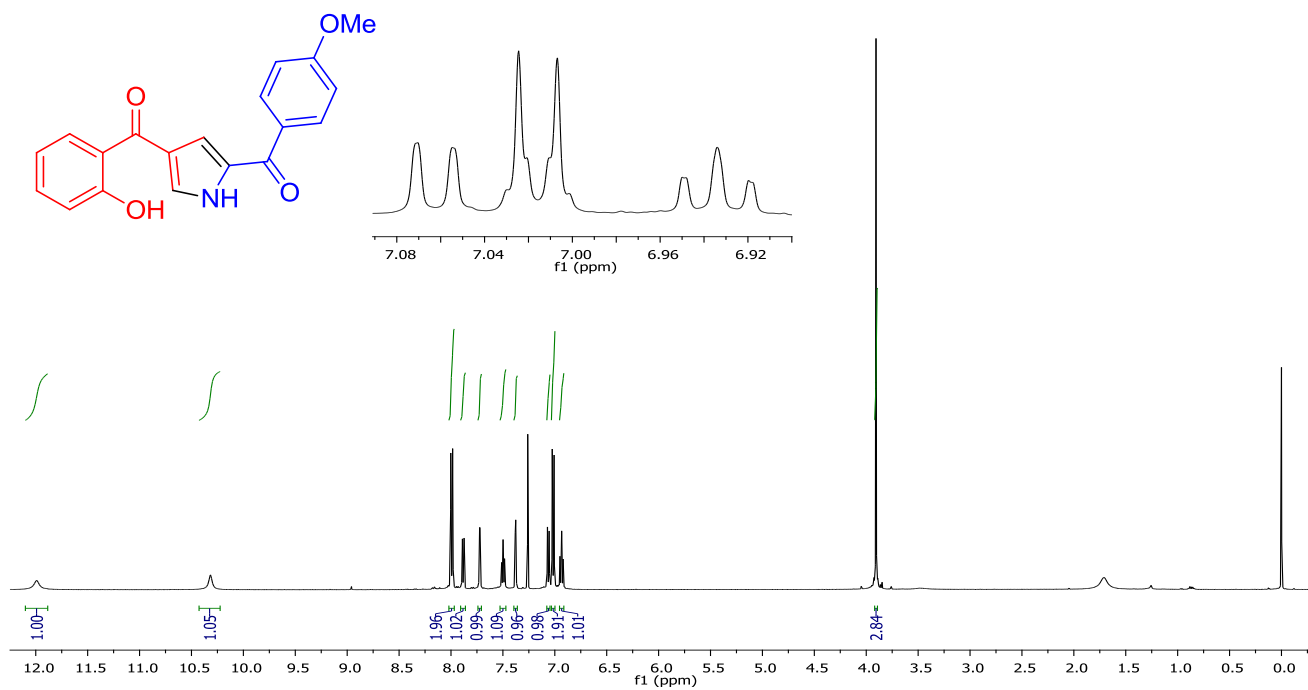


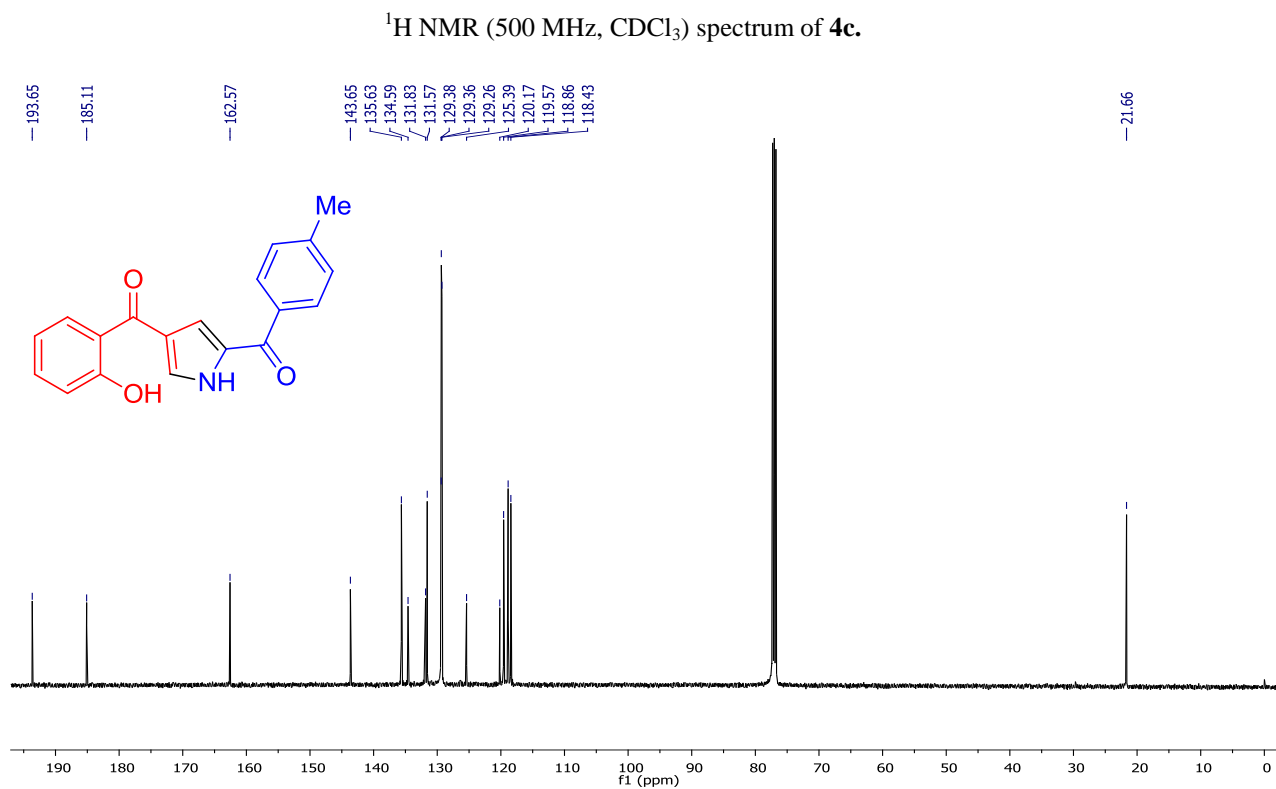
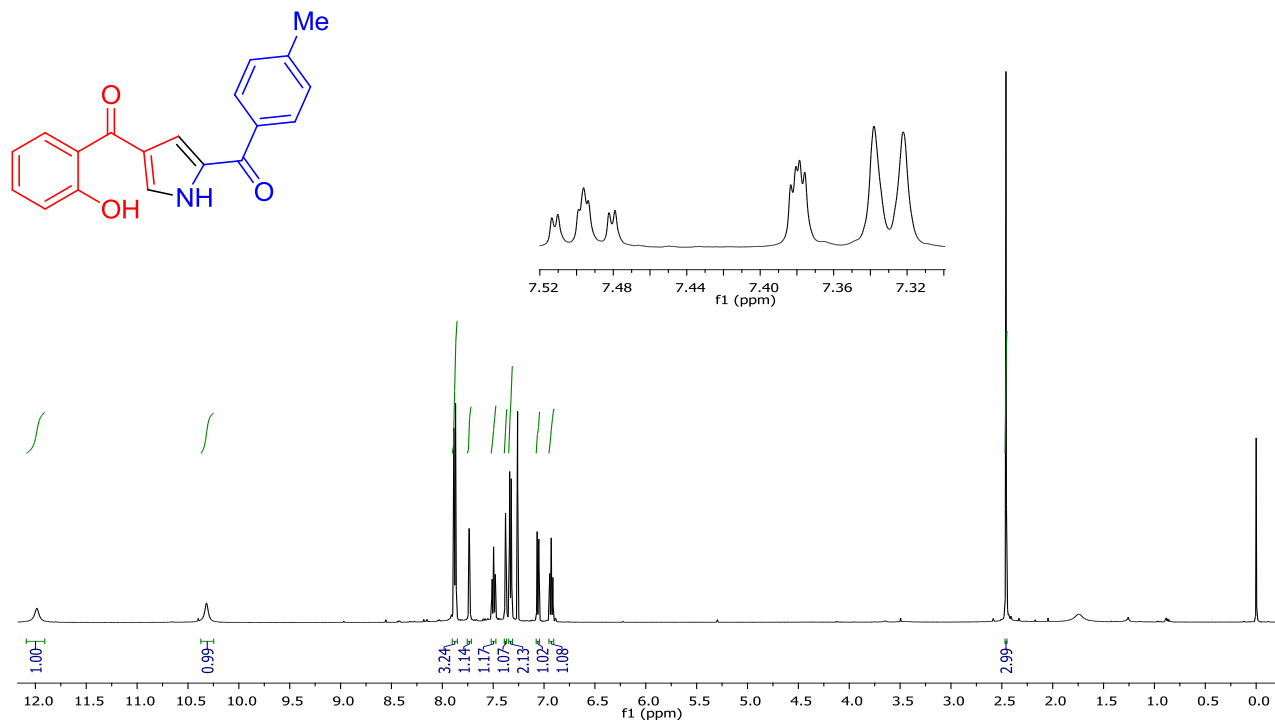
^1H NMR (500 MHz, CDCl_3) spectrum of **4b**.

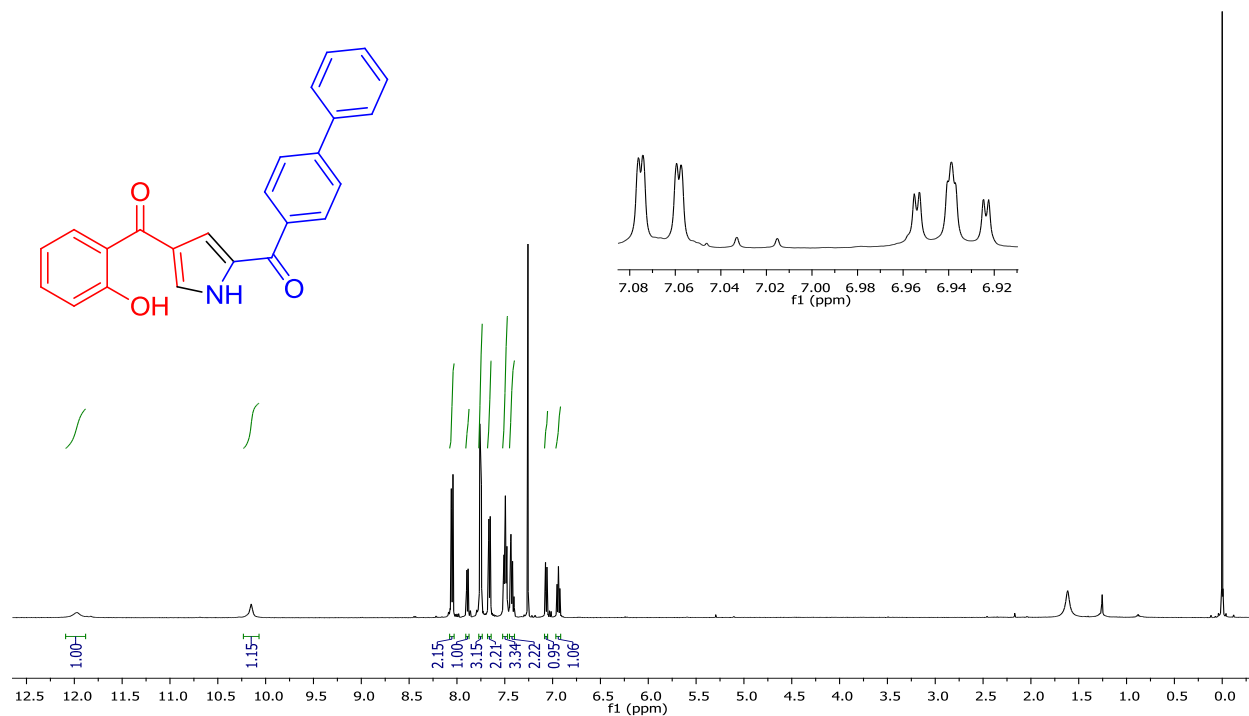


D_2O exchange ^1H NMR (500 MHz, $\text{DMSO}-d_6$) spectrum of **4b**.

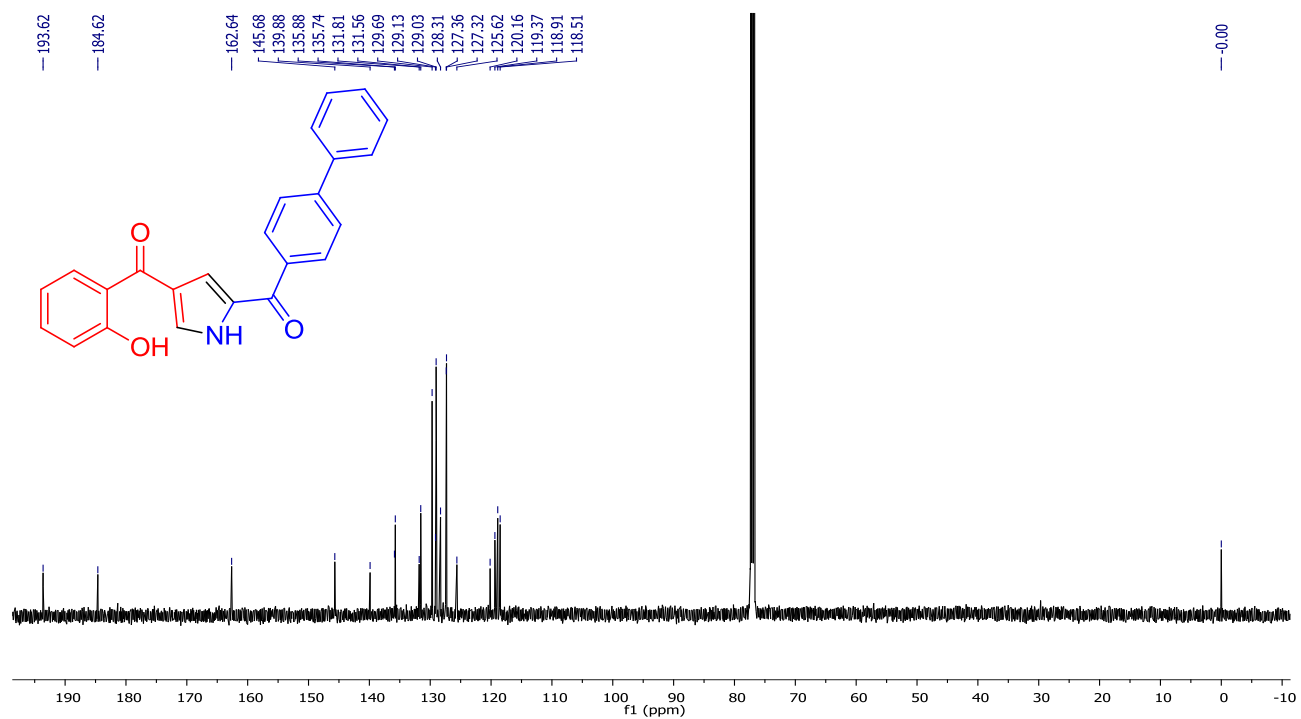




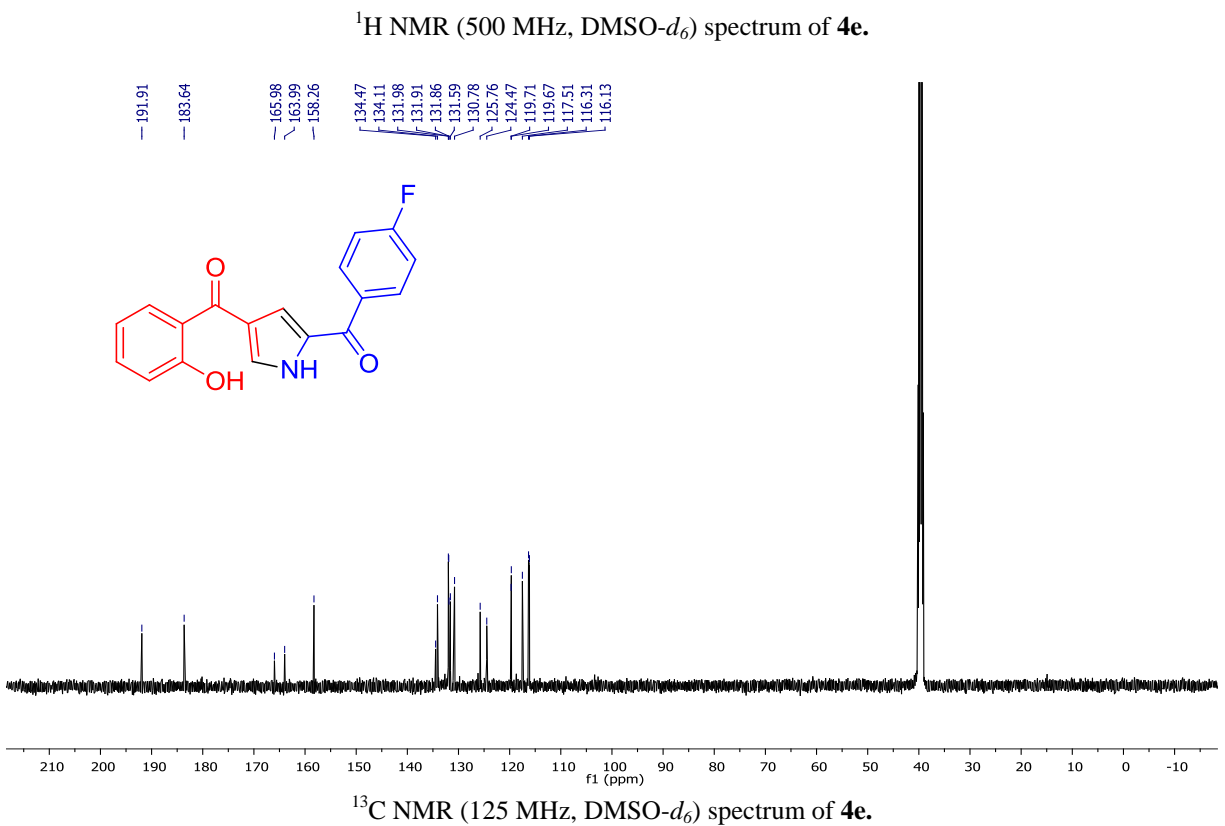
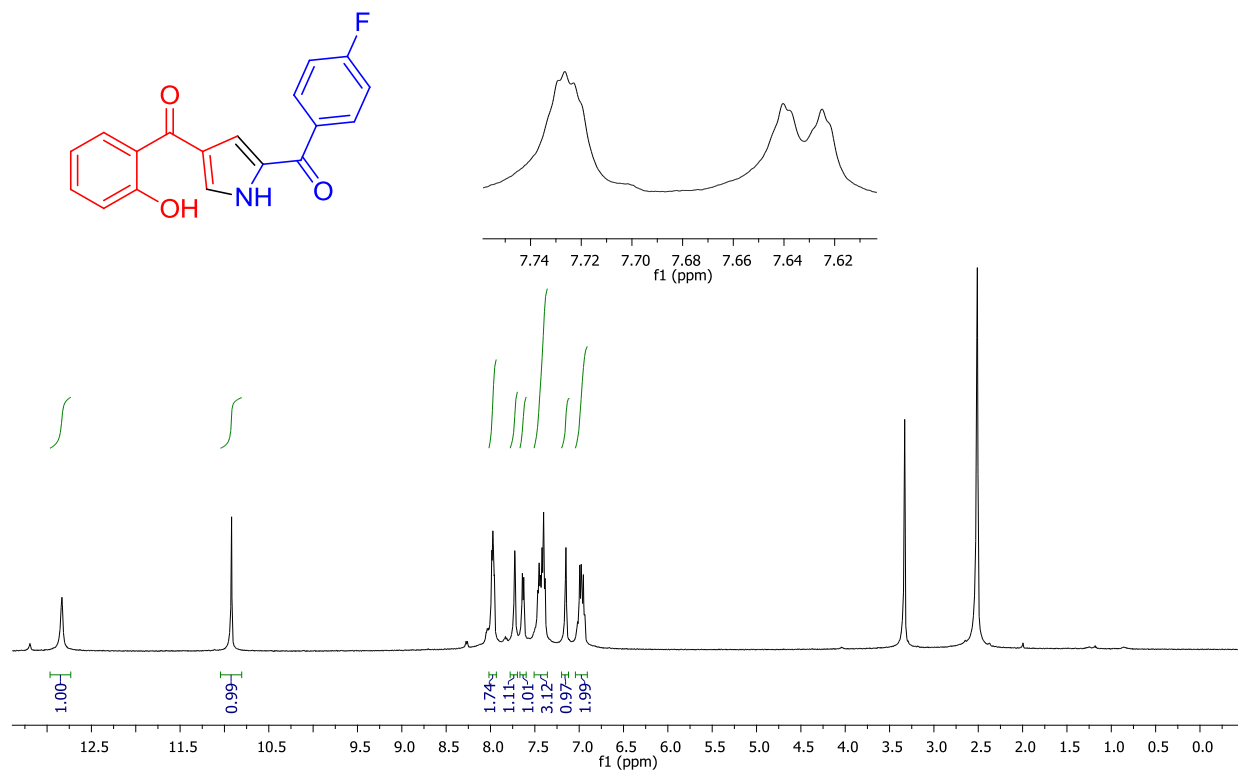


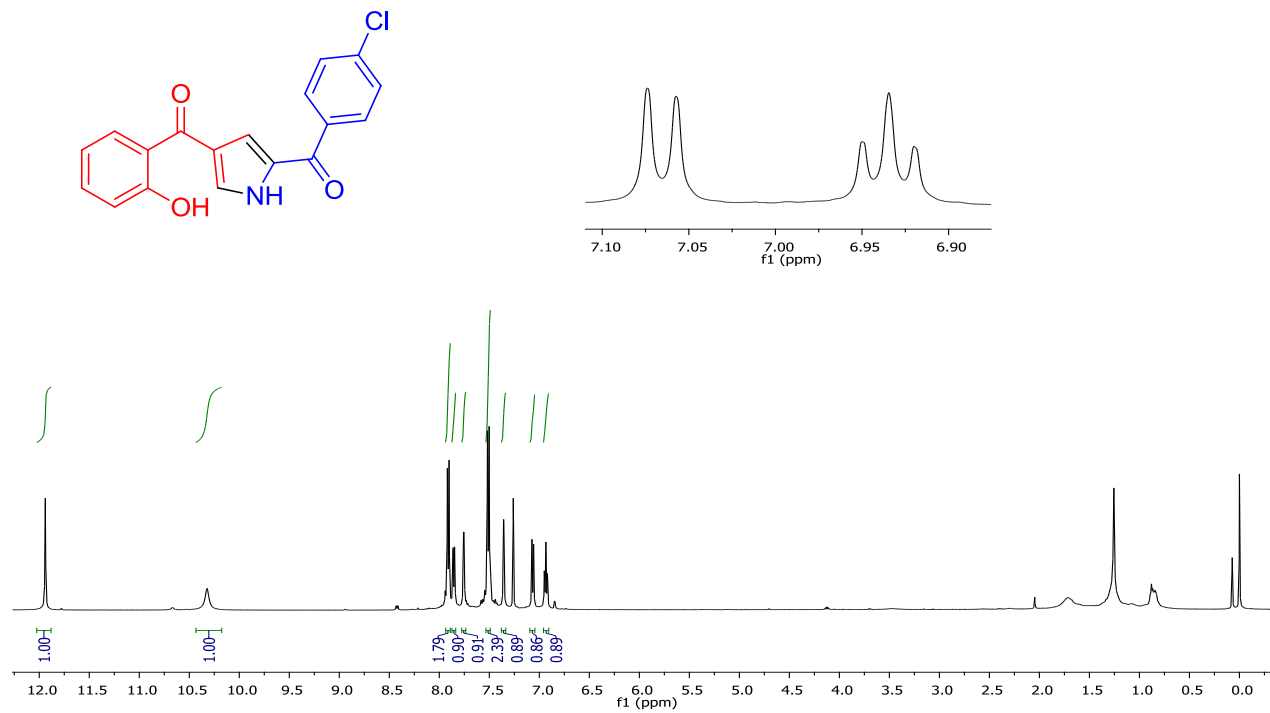


¹H NMR (500 MHz, CDCl₃) spectrum of **4d**.

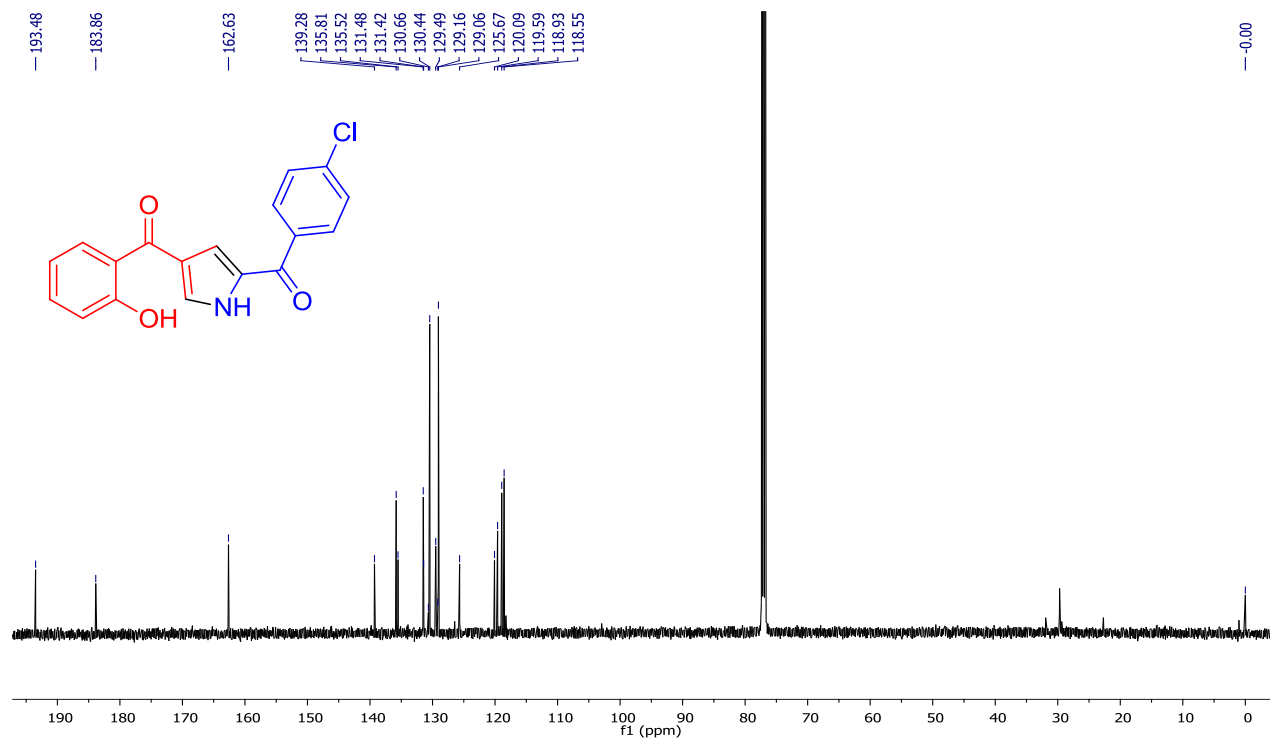


¹³C NMR (125 MHz, CDCl₃) spectrum of **4d**.

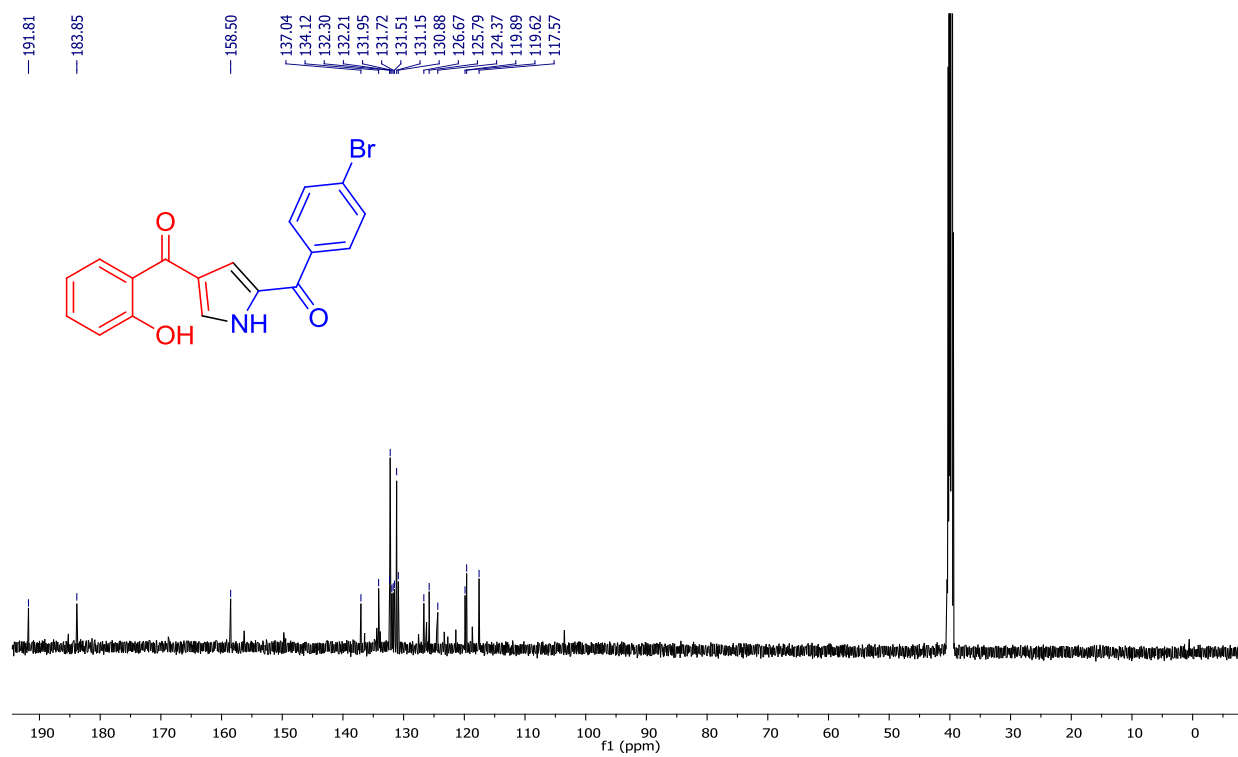
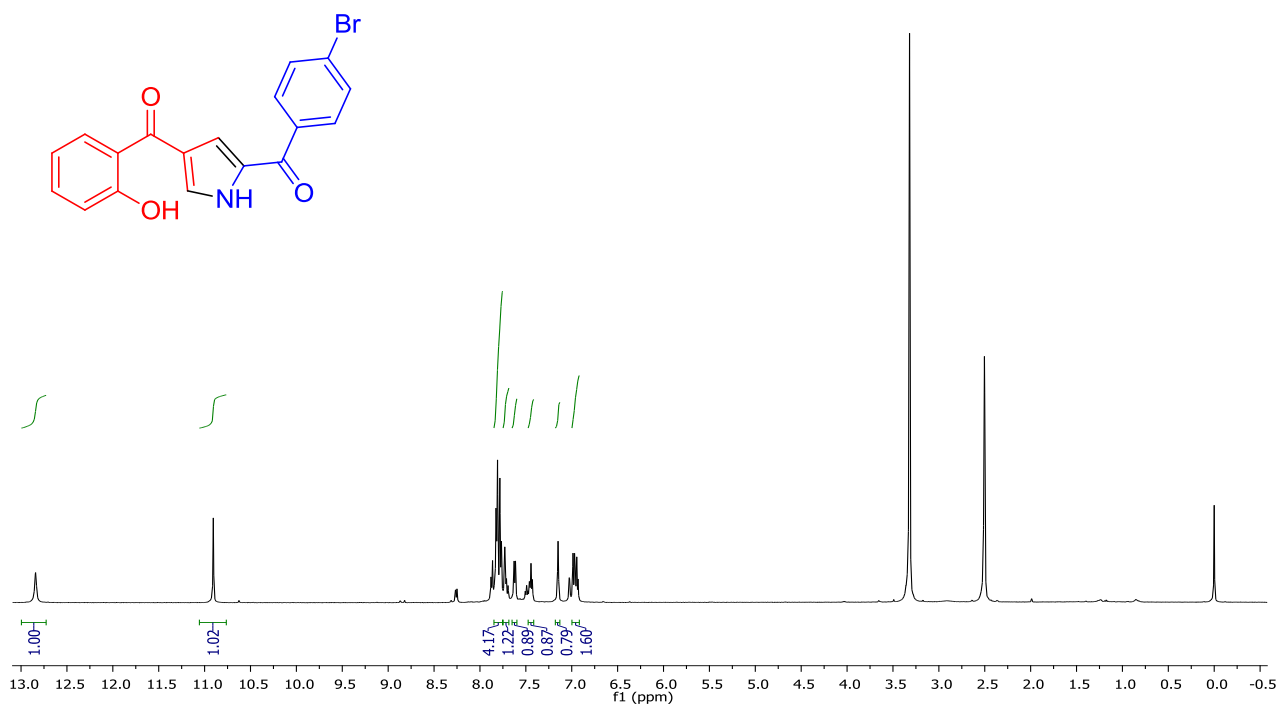


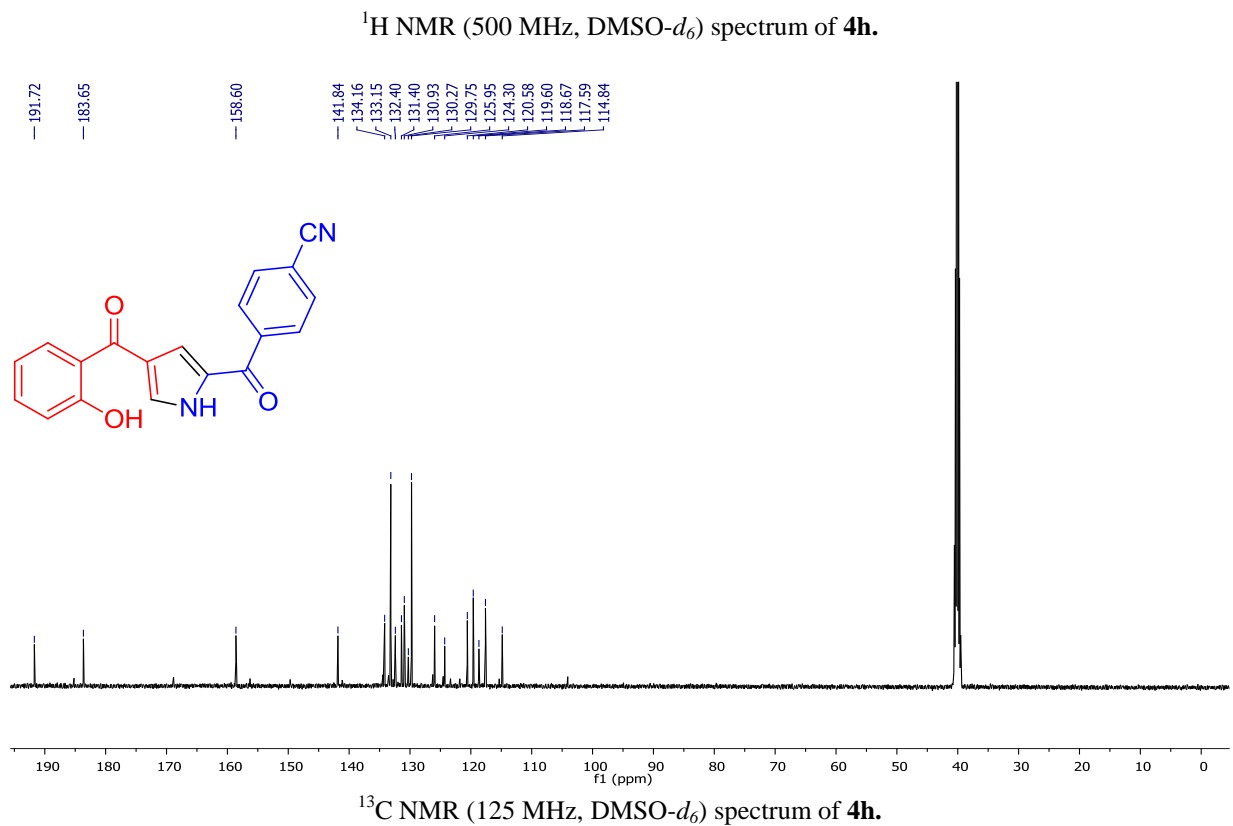
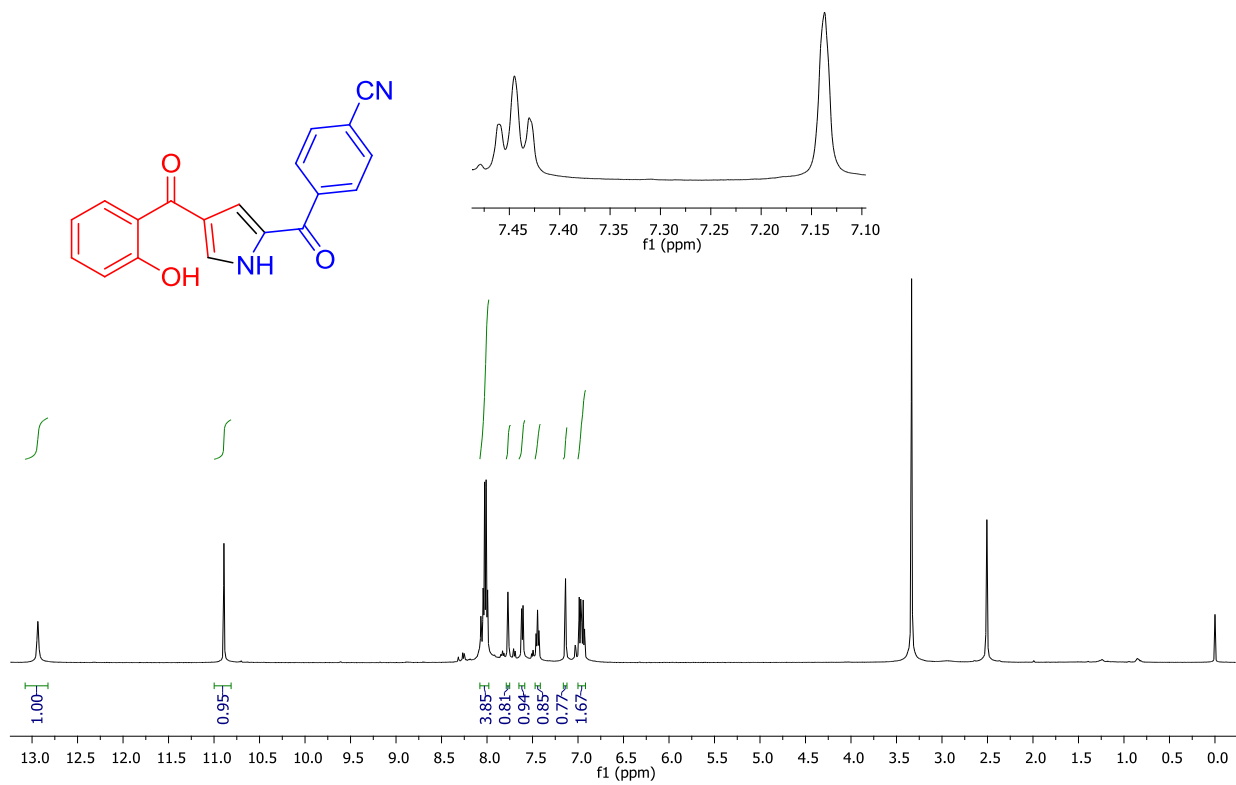


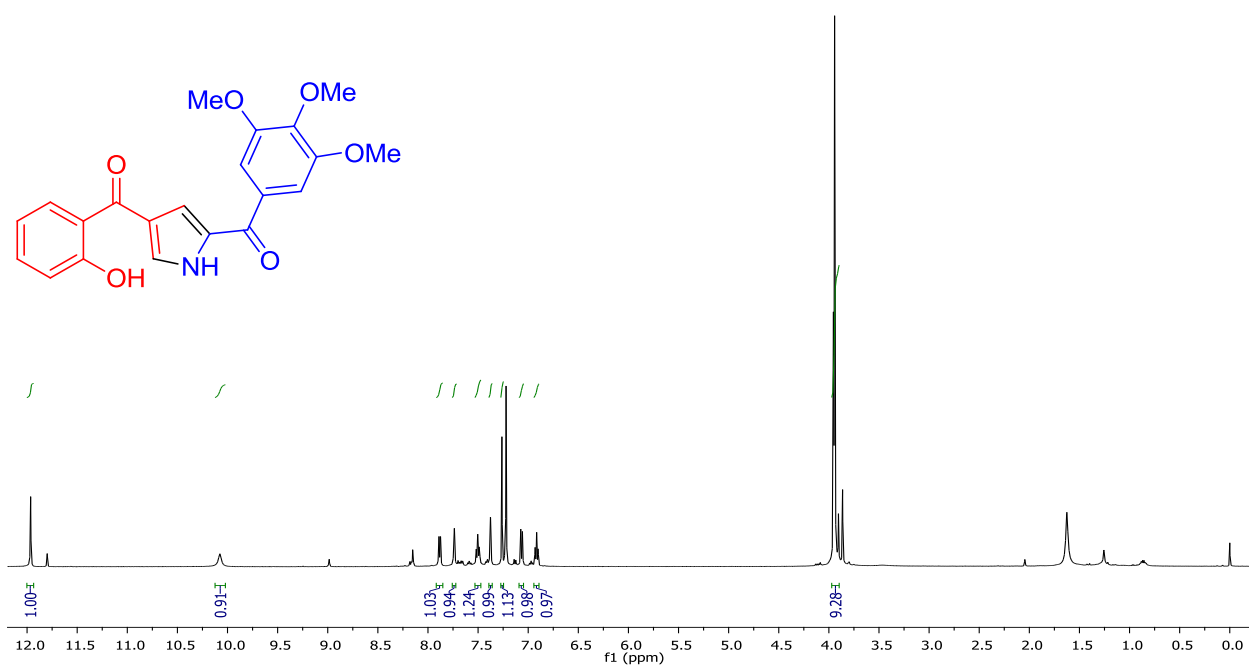
$^1\text{H NMR}$ (500 MHz, CDCl_3) spectrum of **4f**.



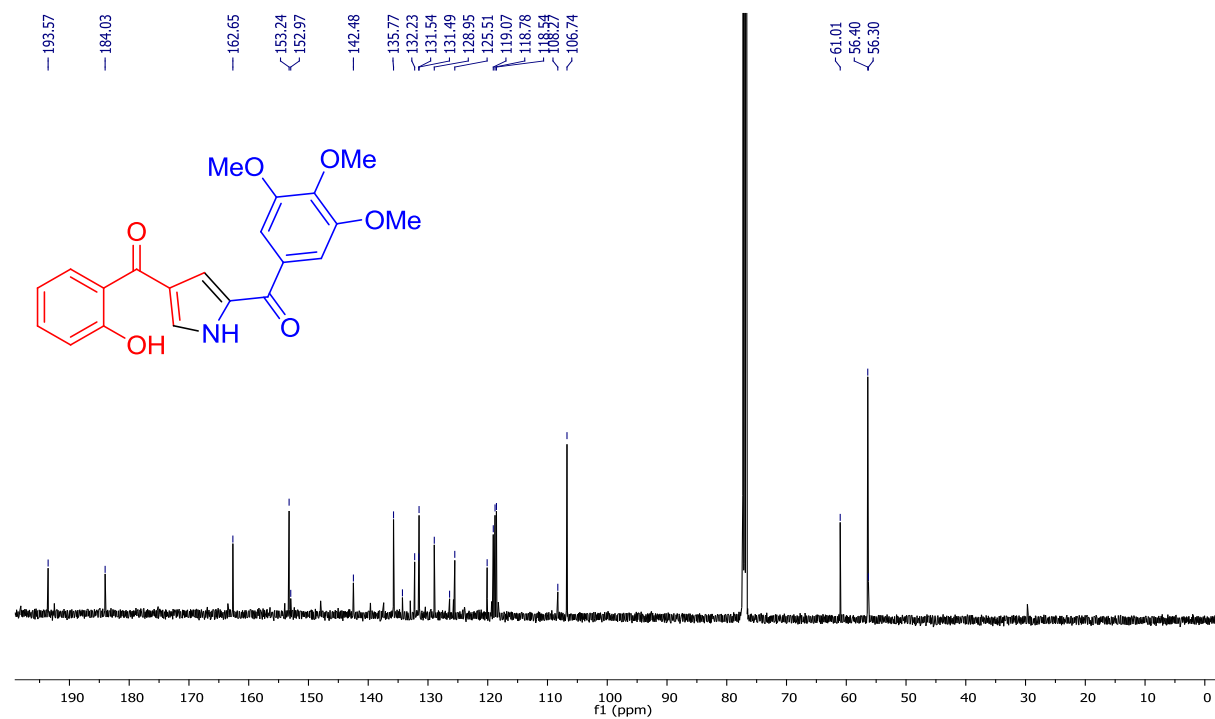
$^{13}\text{C NMR}$ (125 MHz, CDCl_3) spectrum of **4f**.



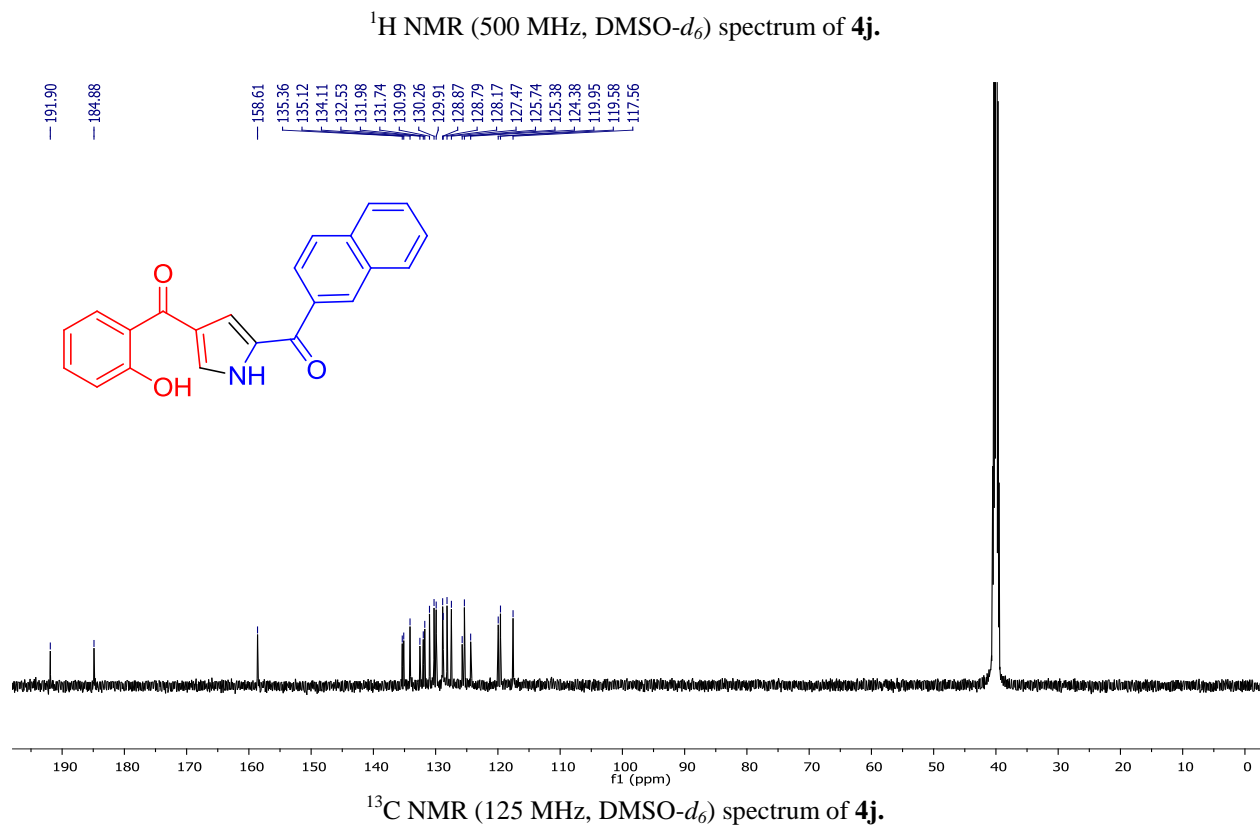
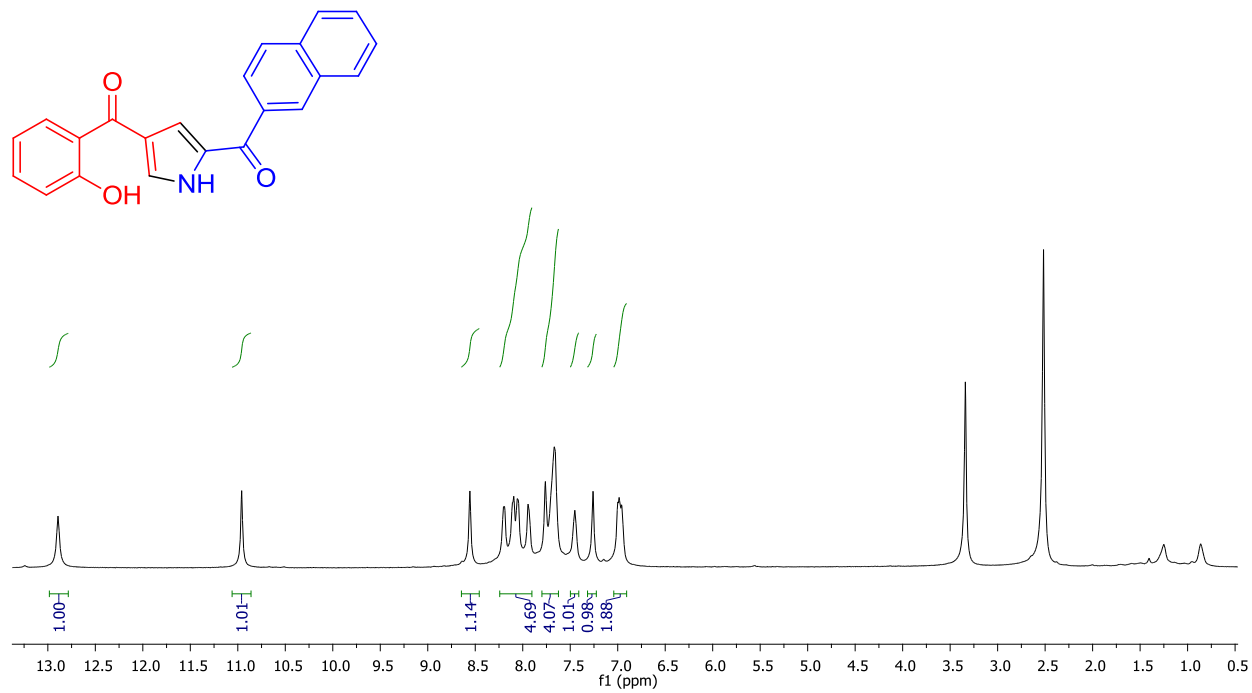


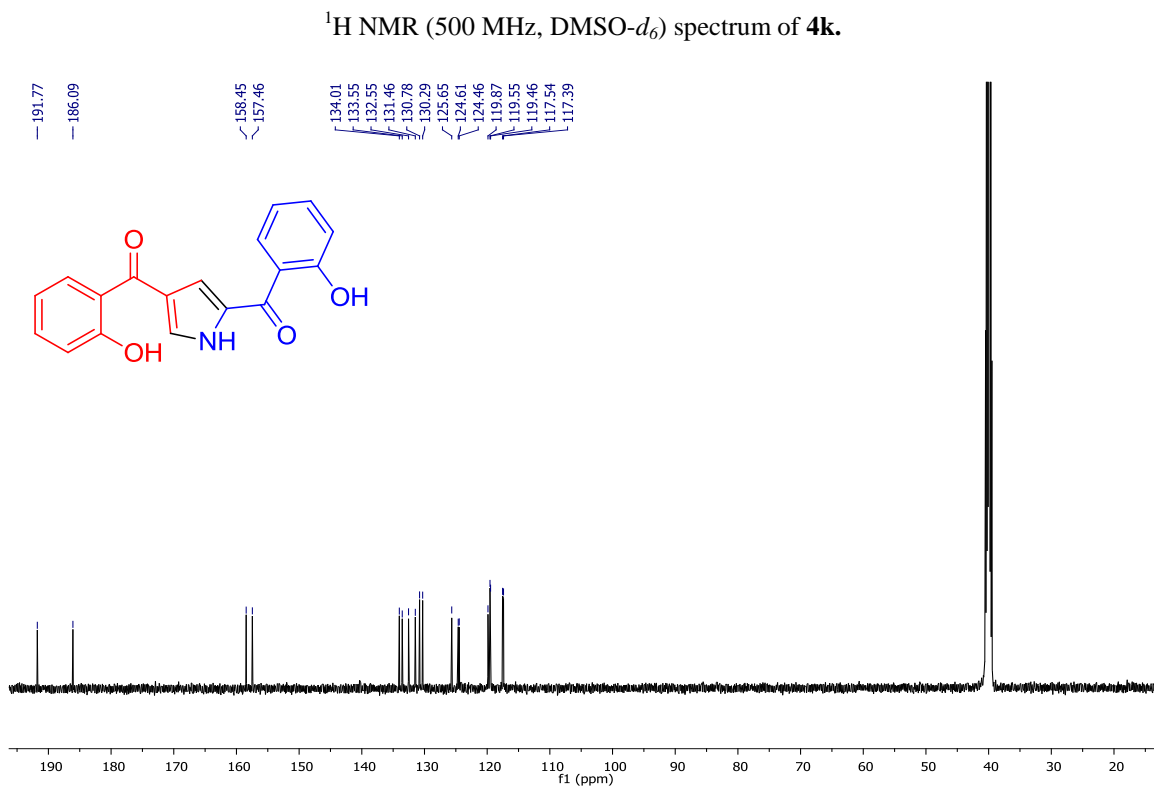
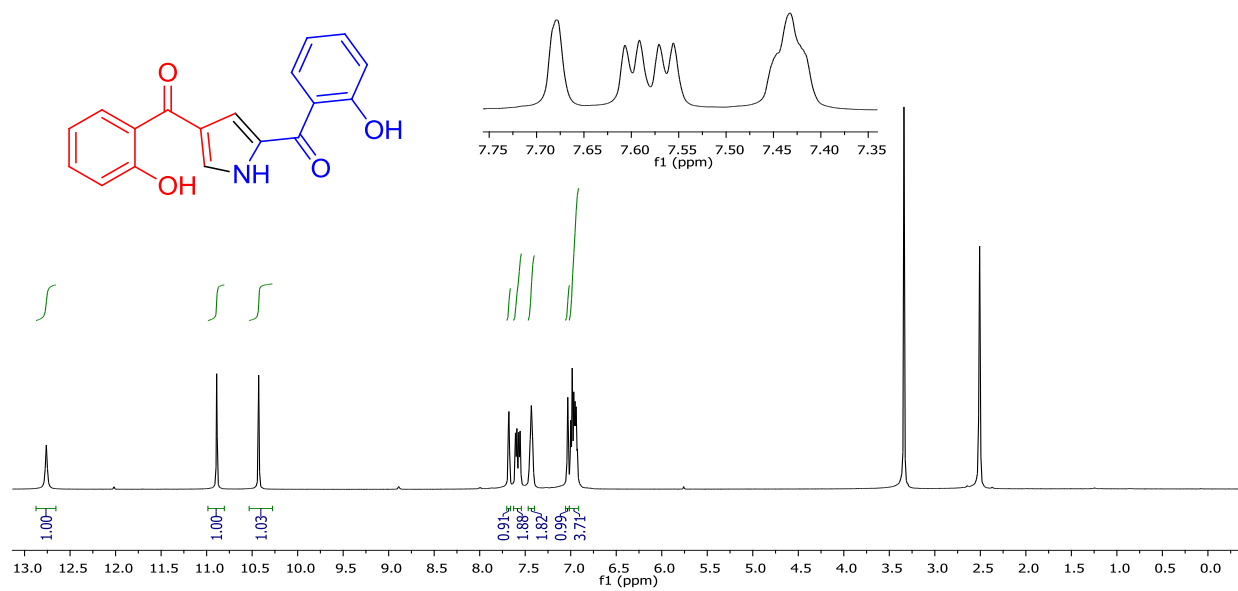


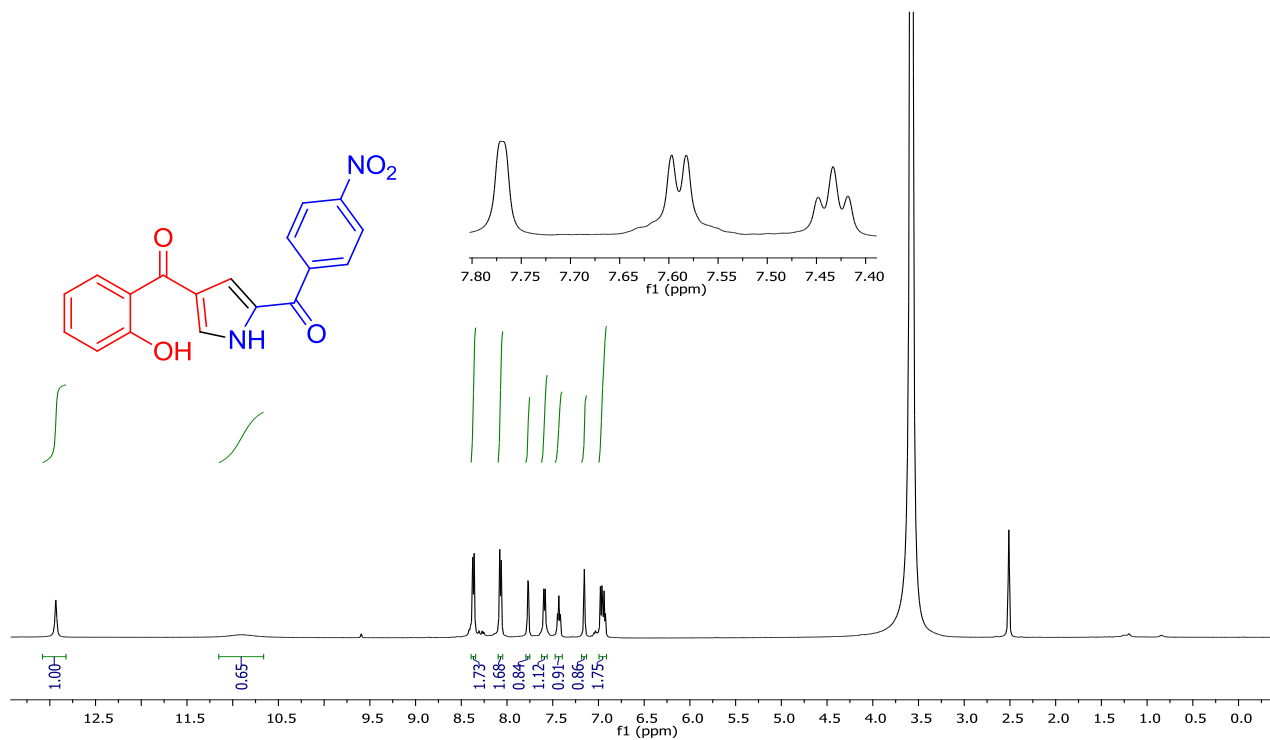
^1H NMR (500 MHz, CDCl_3) spectrum of **4i**.



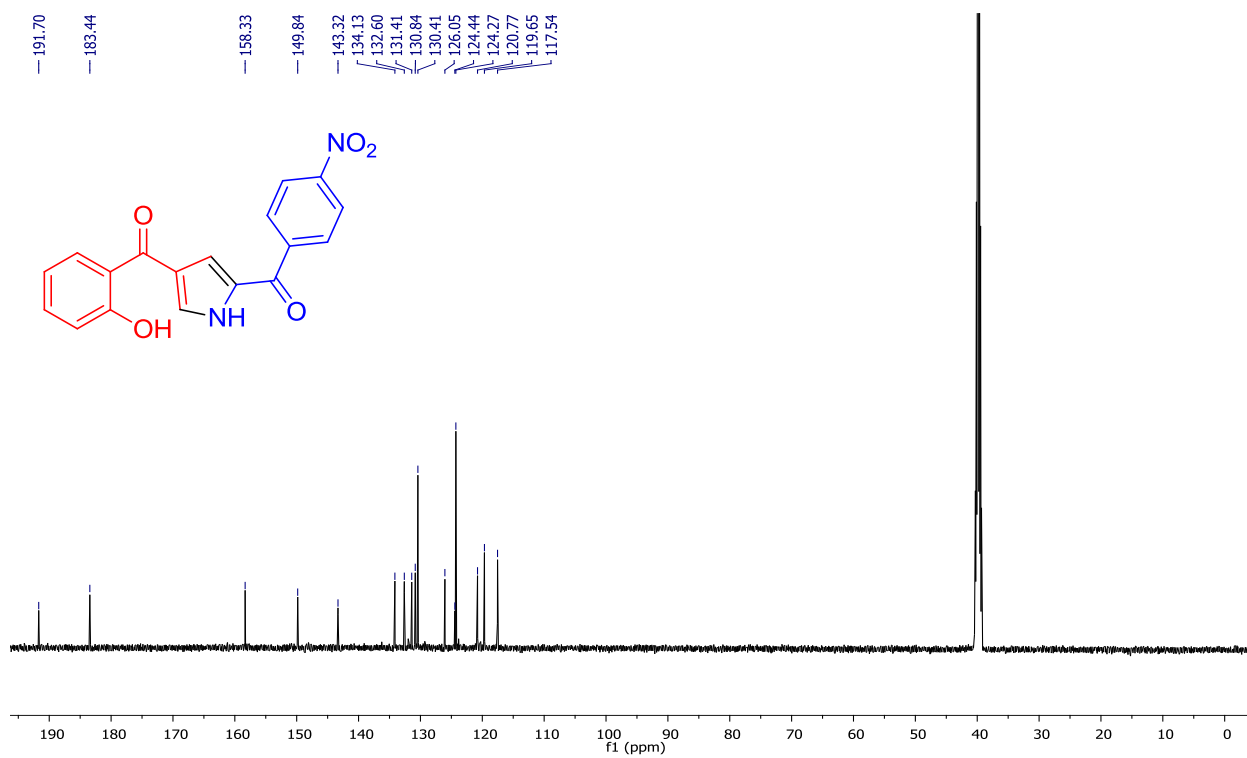
^{13}C NMR (125 MHz, CDCl_3) spectrum of **4i**.



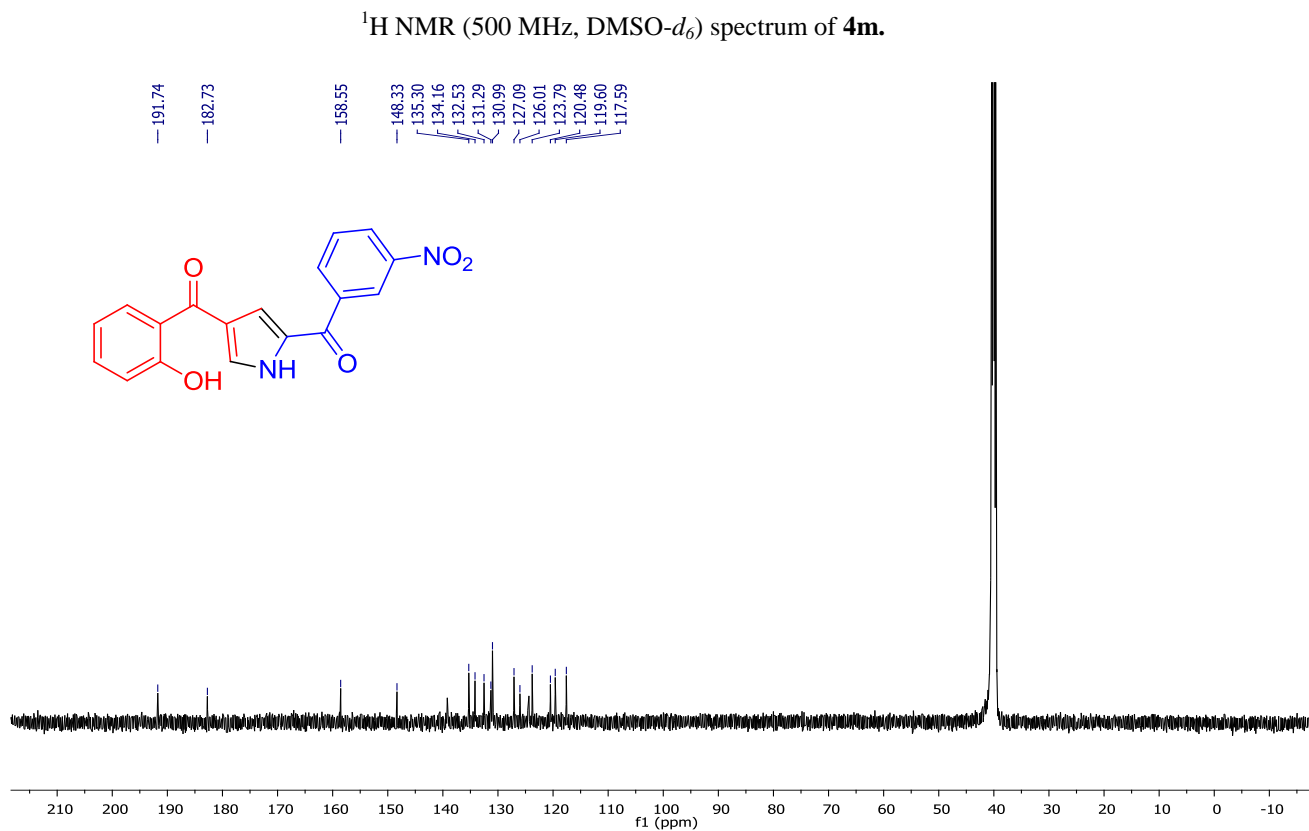
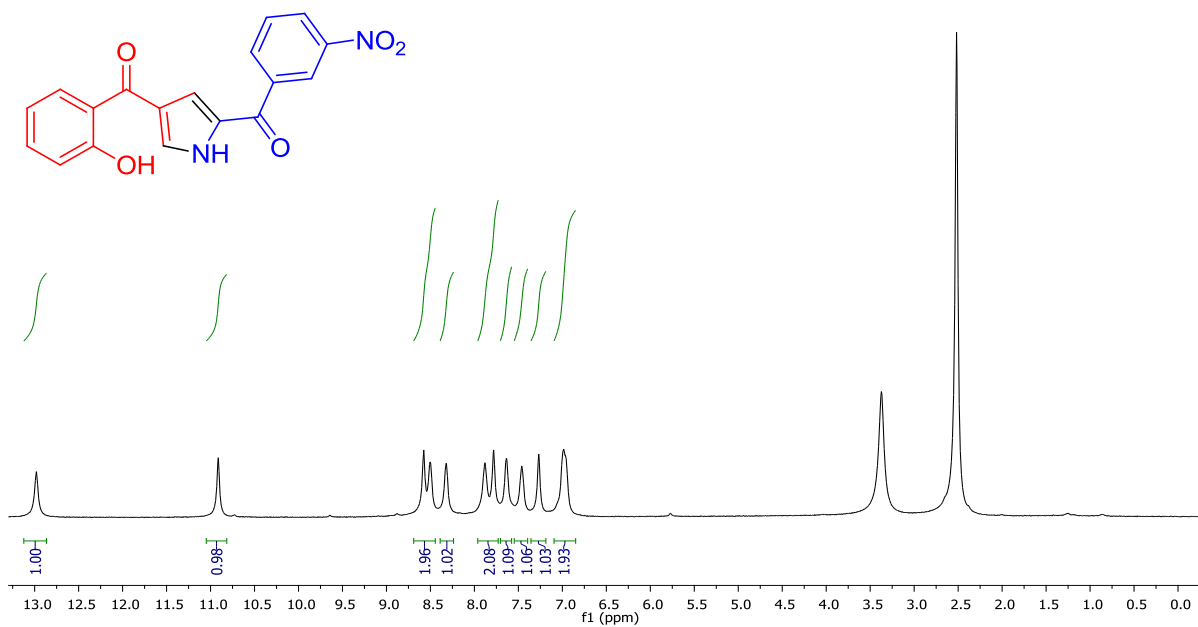


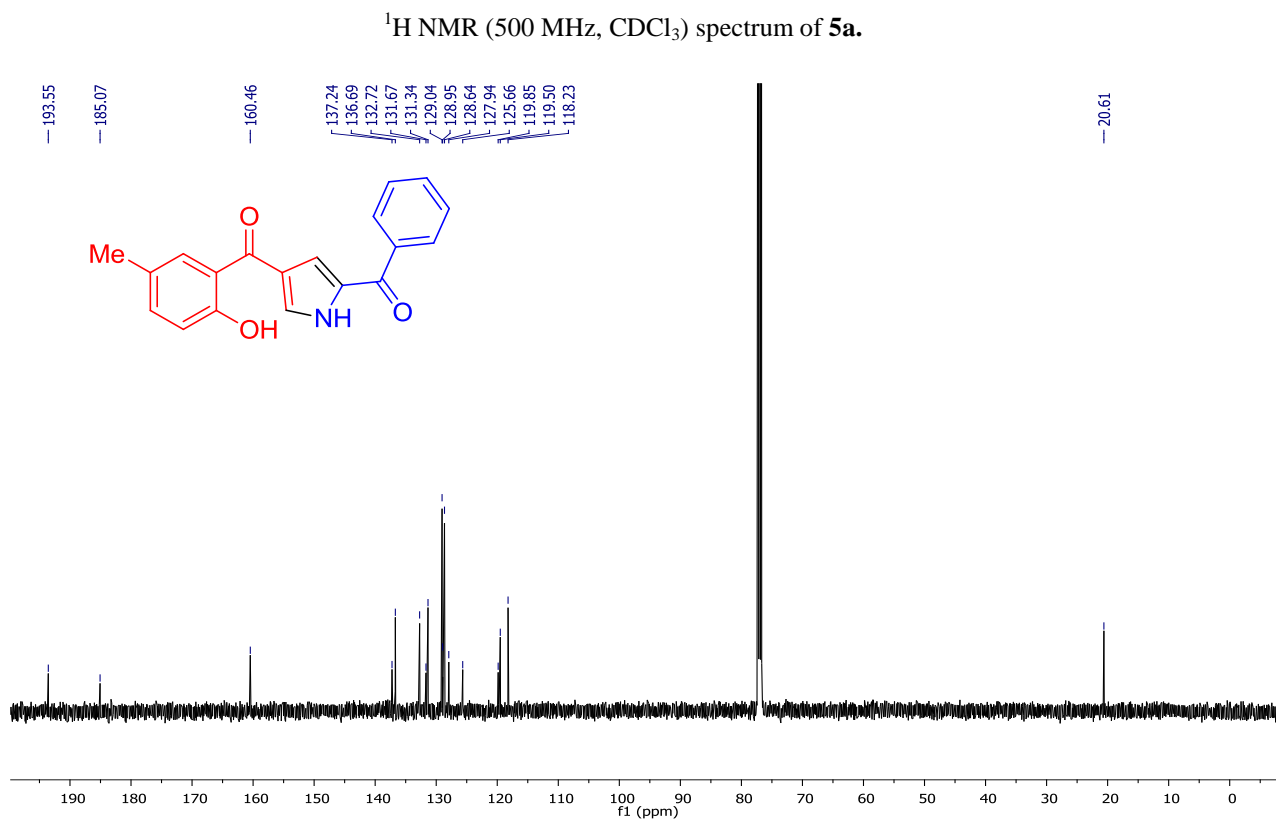
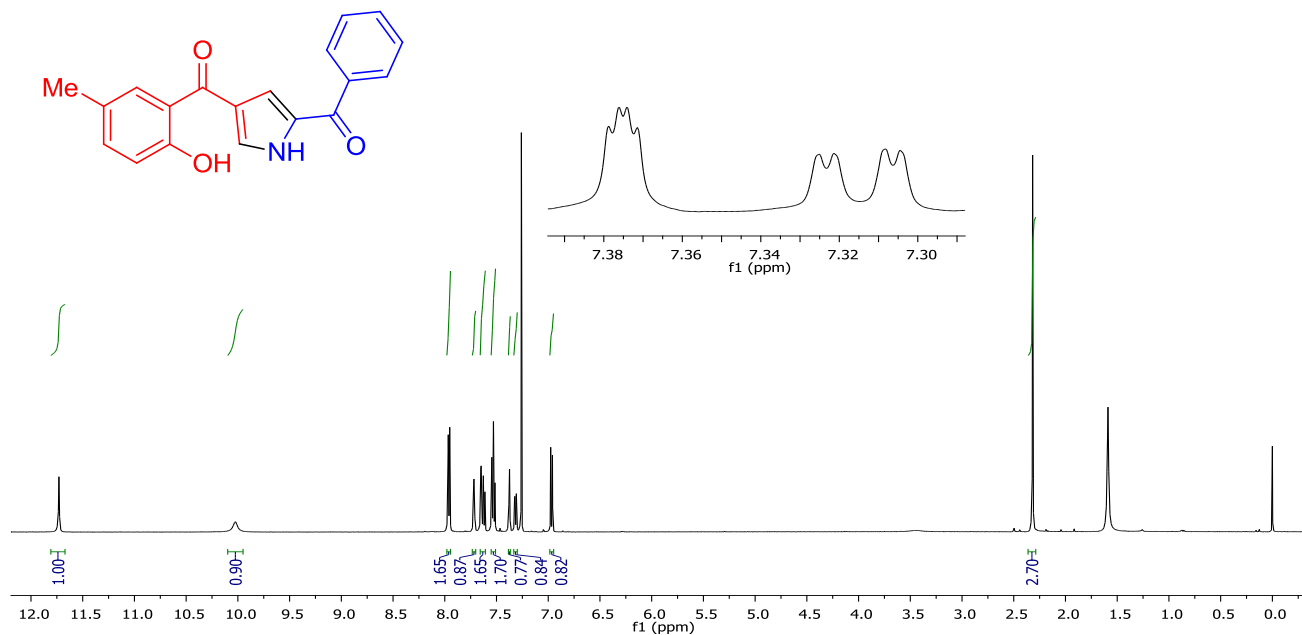


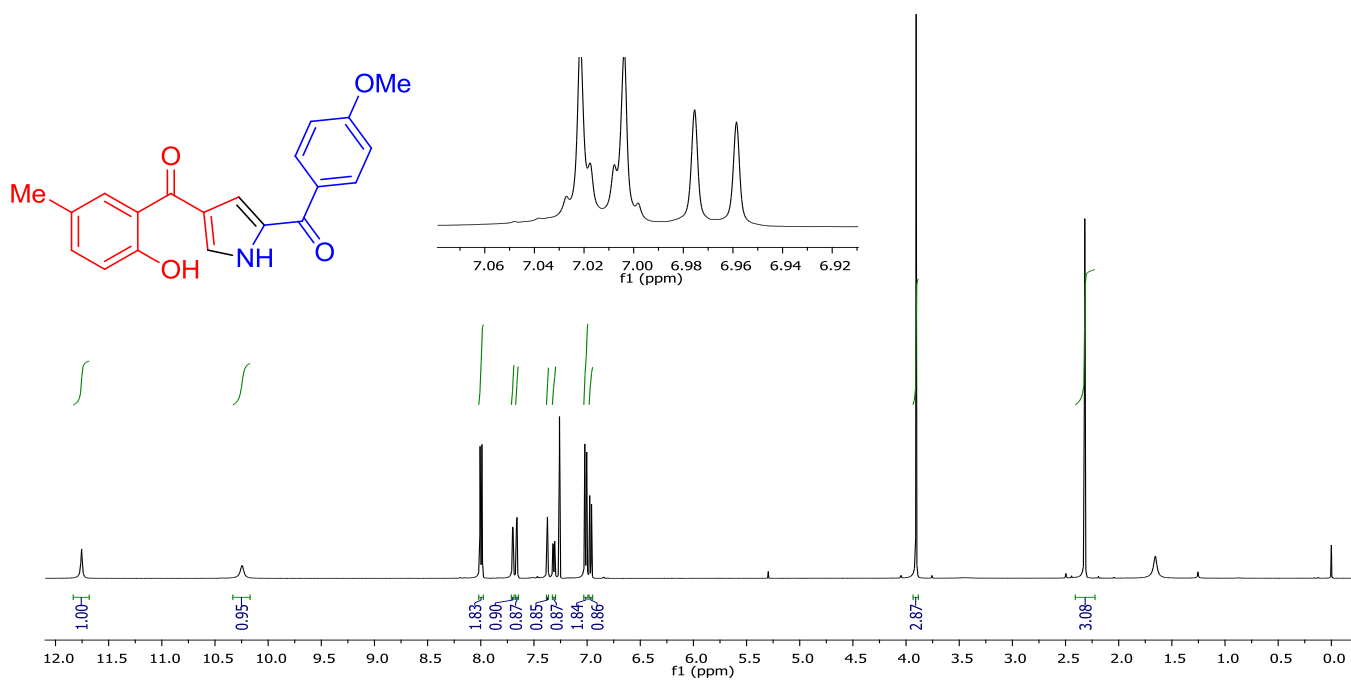
$^1\text{H NMR}$ (500 MHz, $\text{DMSO-}d_6$) spectrum of **4I**.



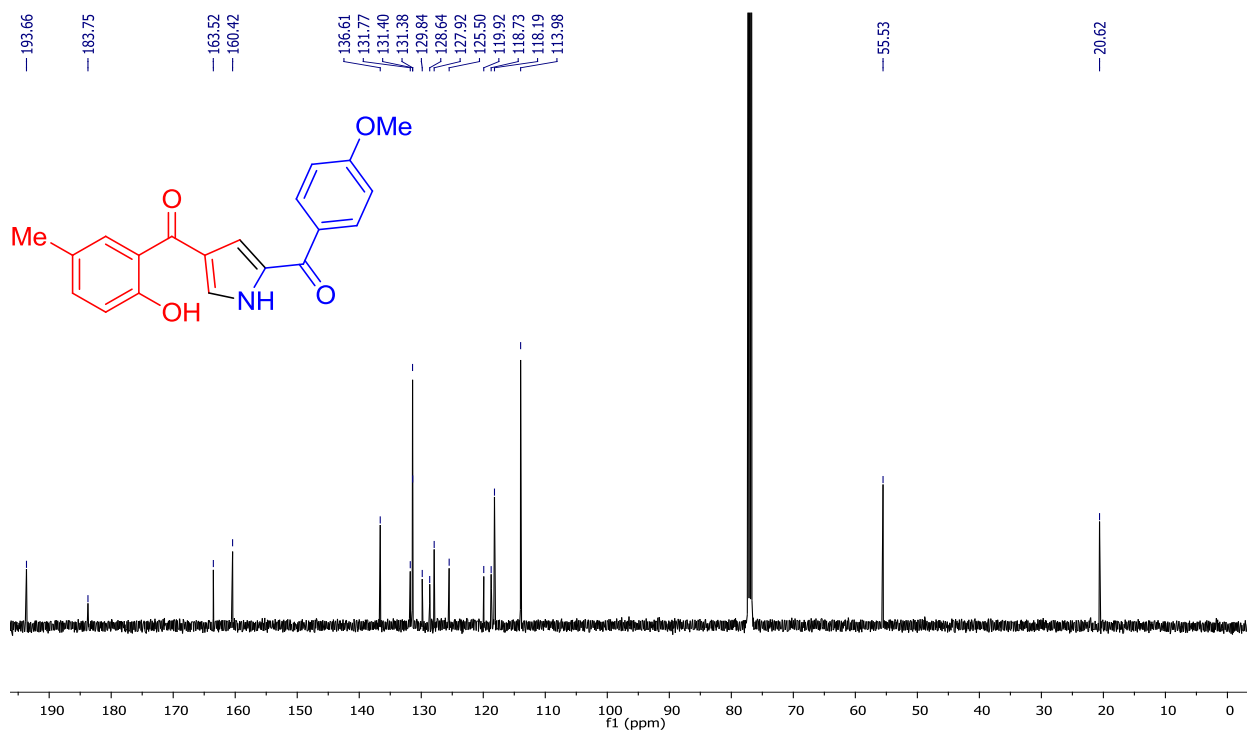
$^{13}\text{C NMR}$ (125 MHz, $\text{DMSO-}d_6$) spectrum of **4I**.



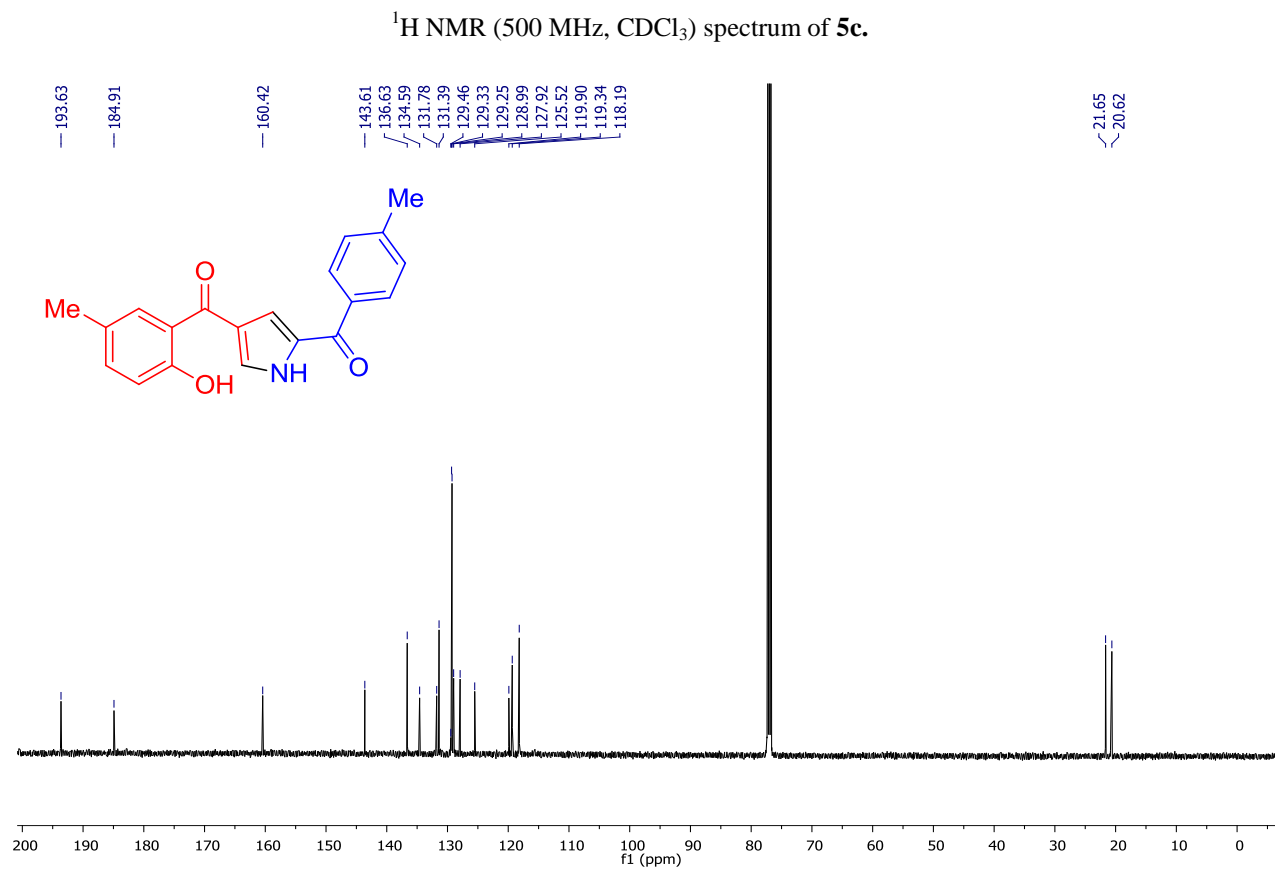
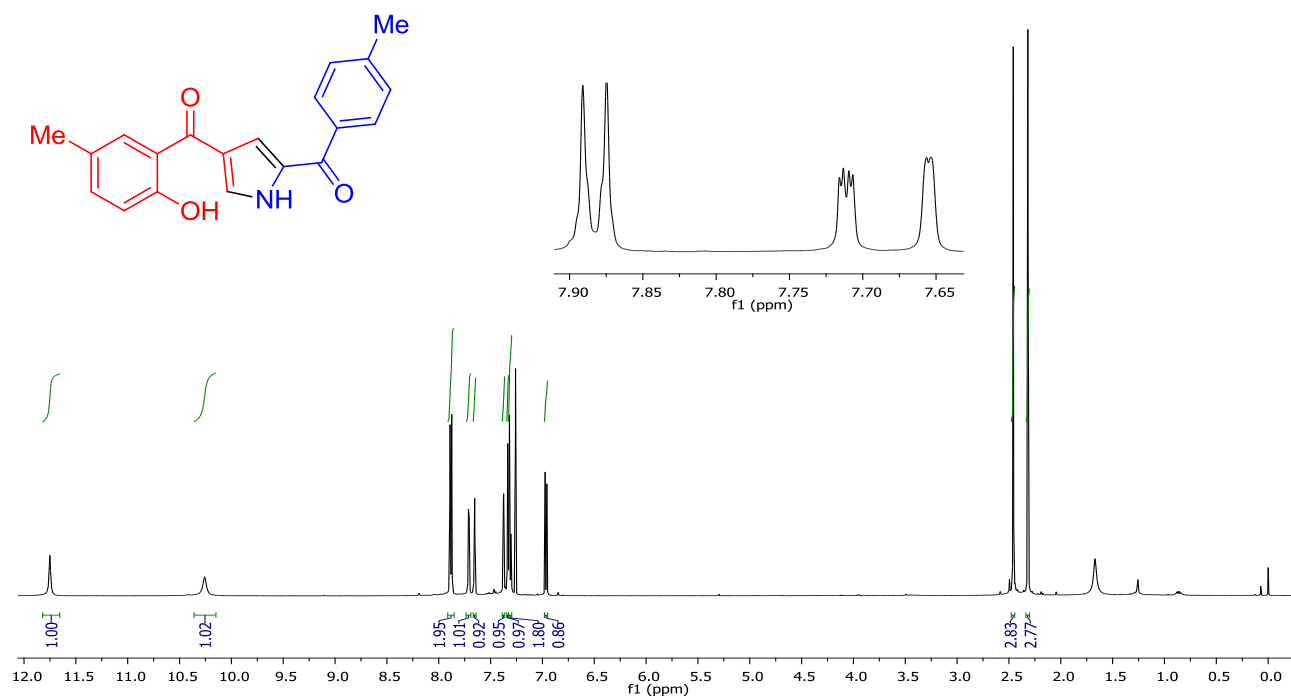


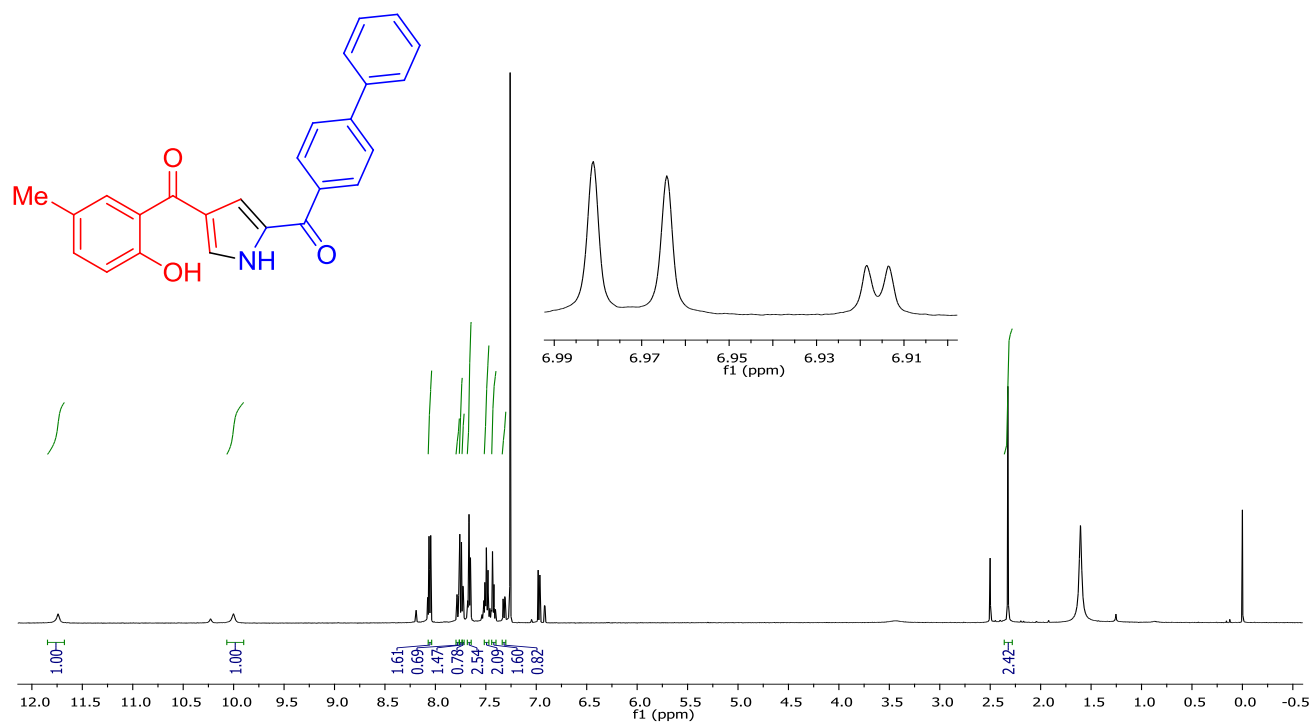


^1H NMR (500 MHz, CDCl_3) spectrum of **5b**.

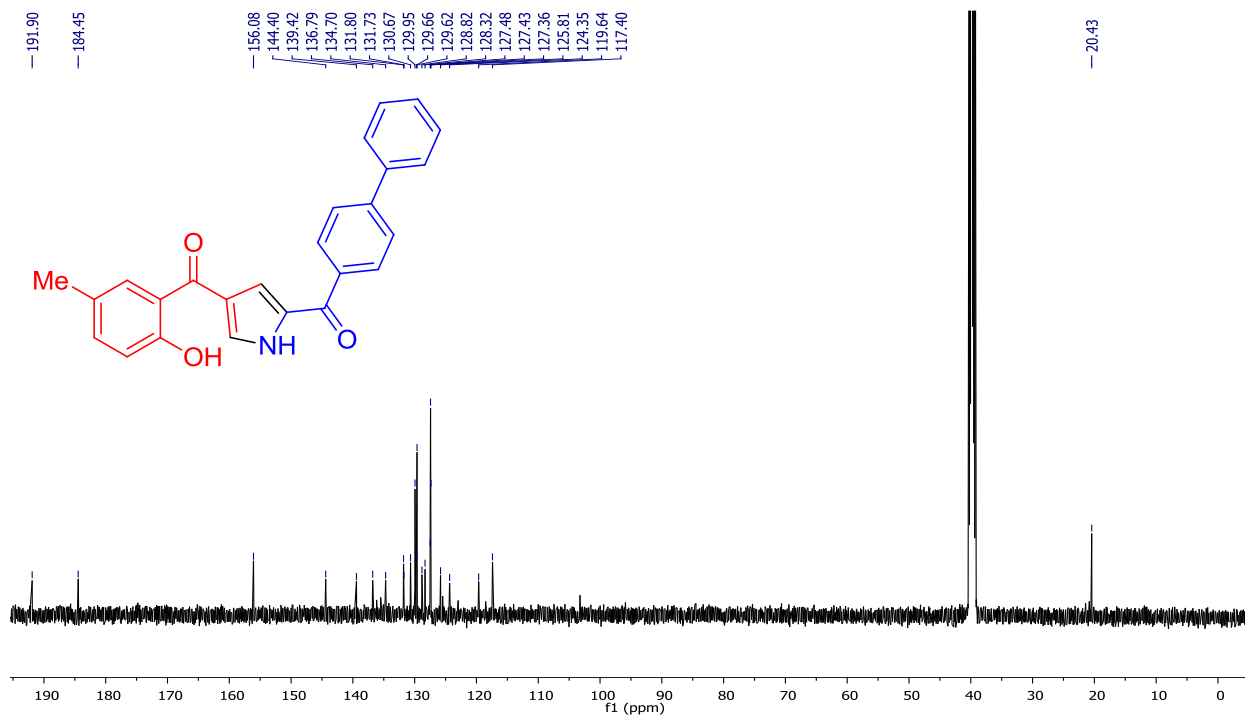


^{13}C NMR (125 MHz, CDCl_3) spectrum of **5b**.

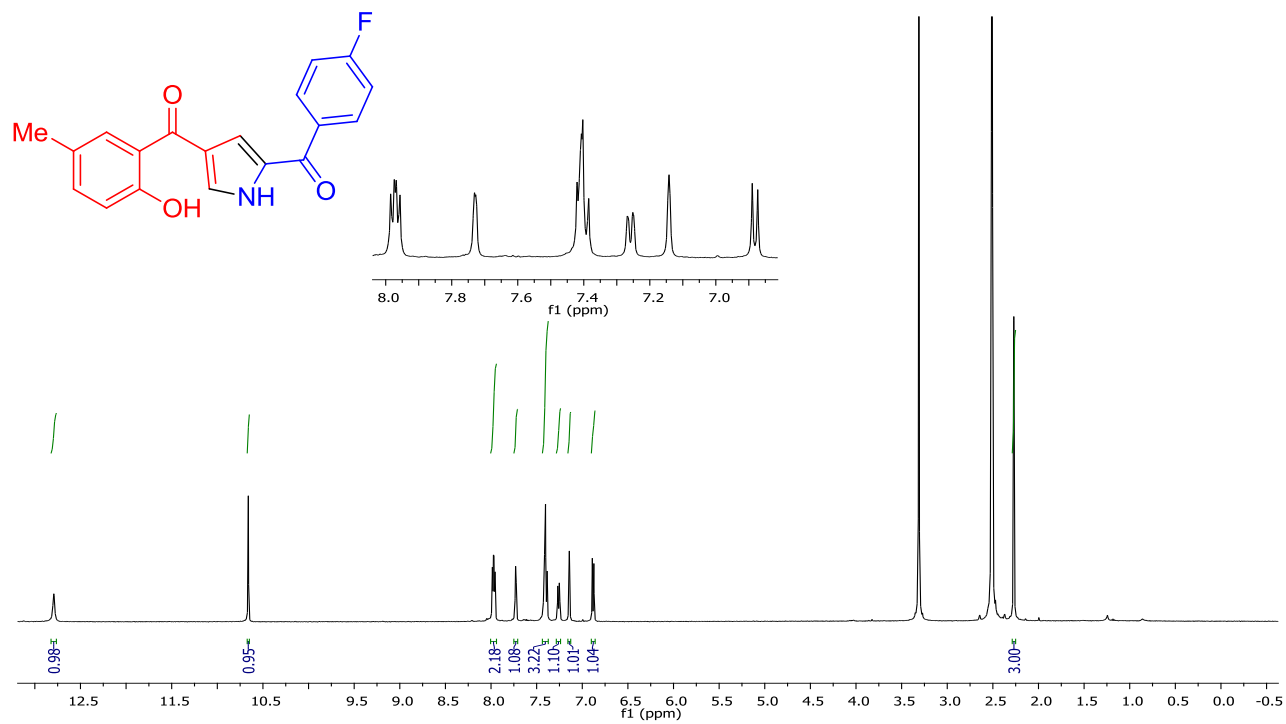




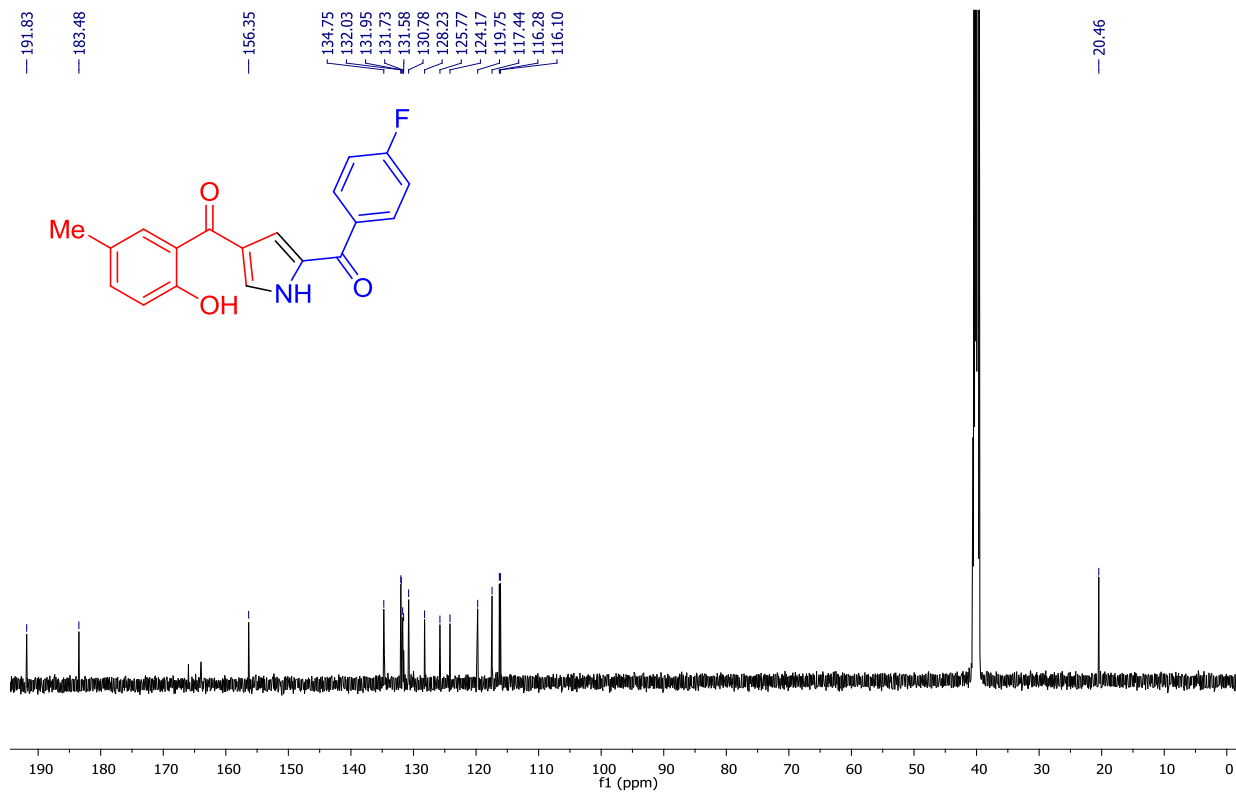
¹H NMR (500 MHz, CDCl₃) spectrum of 5d.



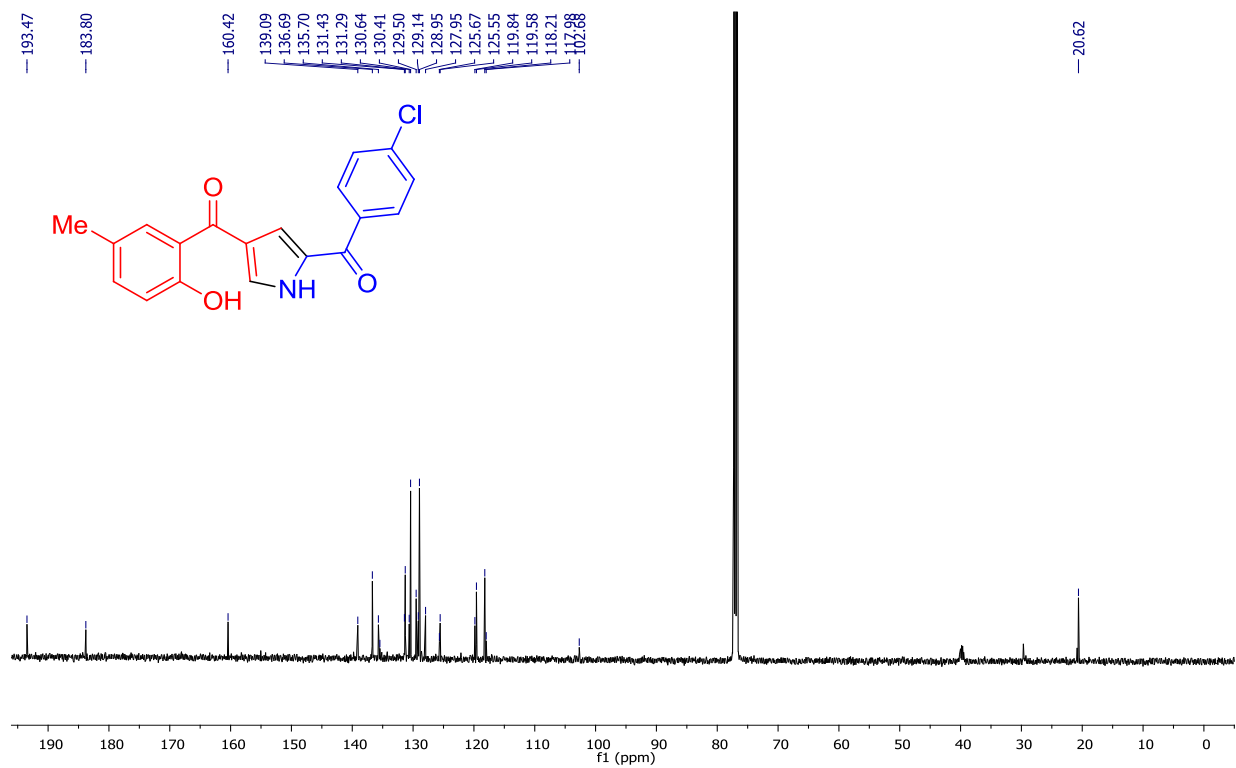
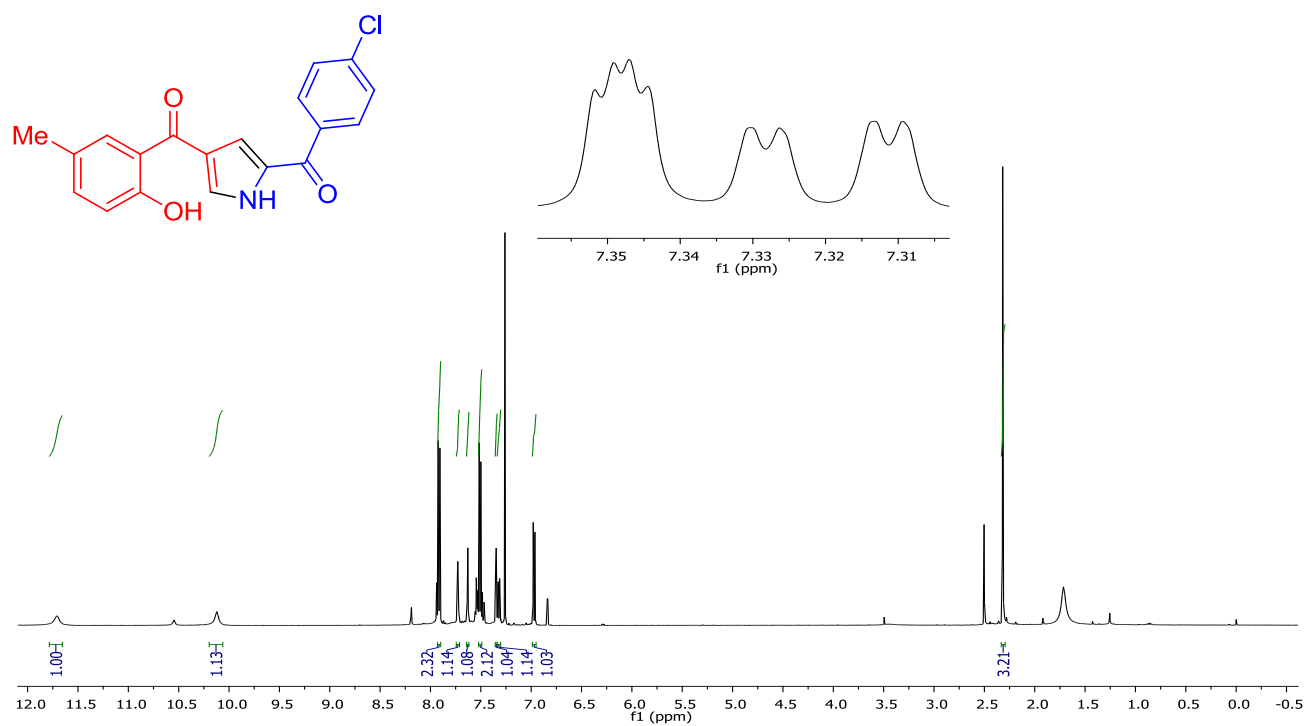
¹³C NMR (125 MHz, DMSO-*d*₆) spectrum of 5d.

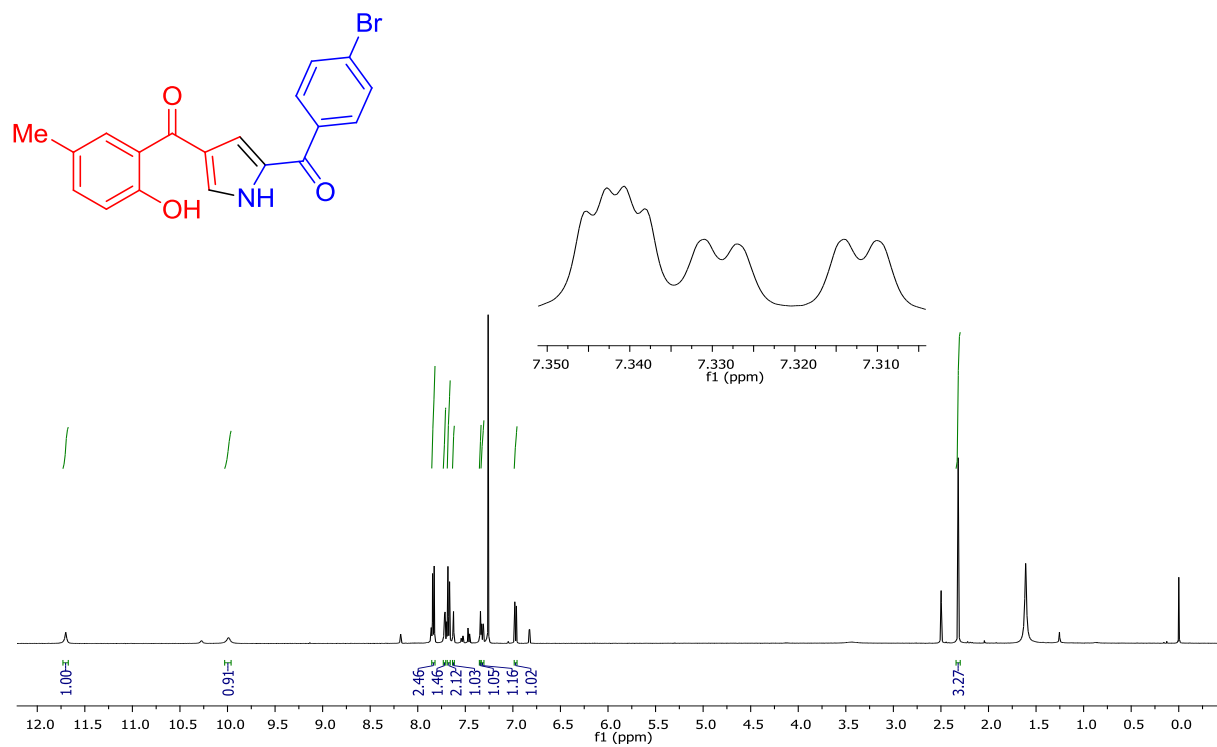


¹H NMR (500 MHz, DMSO-*d*₆) spectrum of 5e

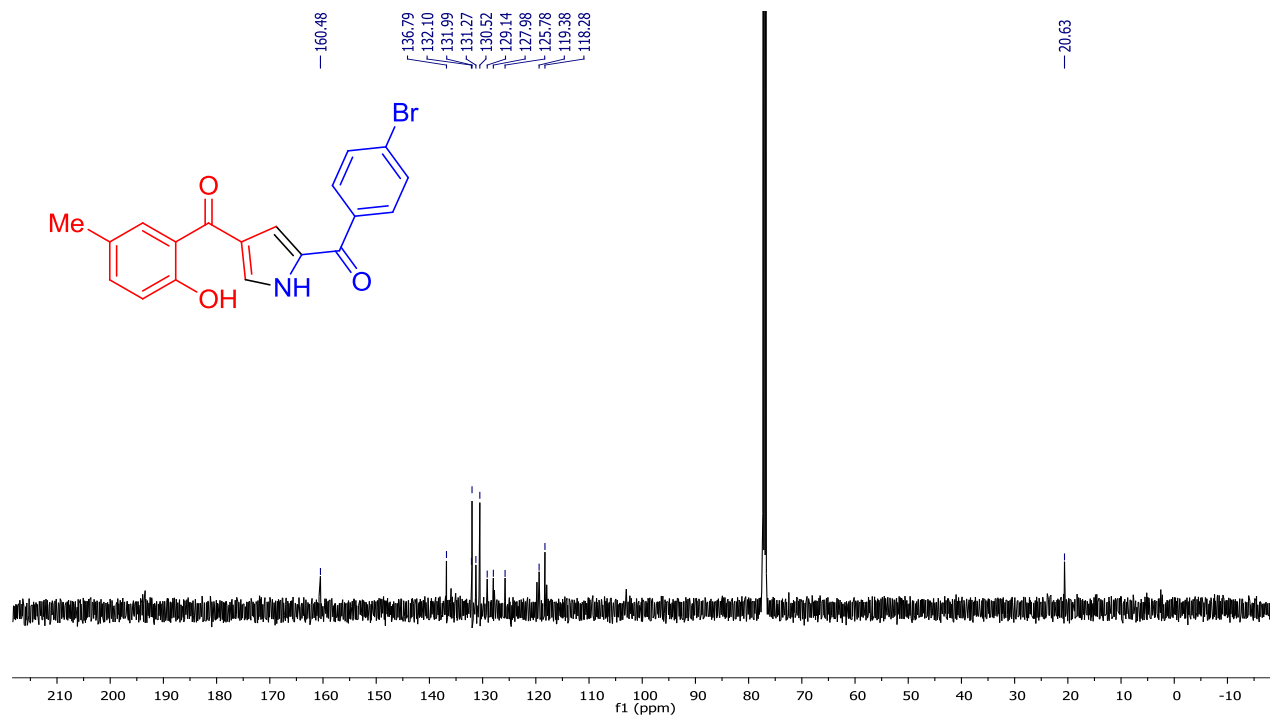


¹³C NMR (125 MHz, DMSO-*d*₆) spectrum of 5e

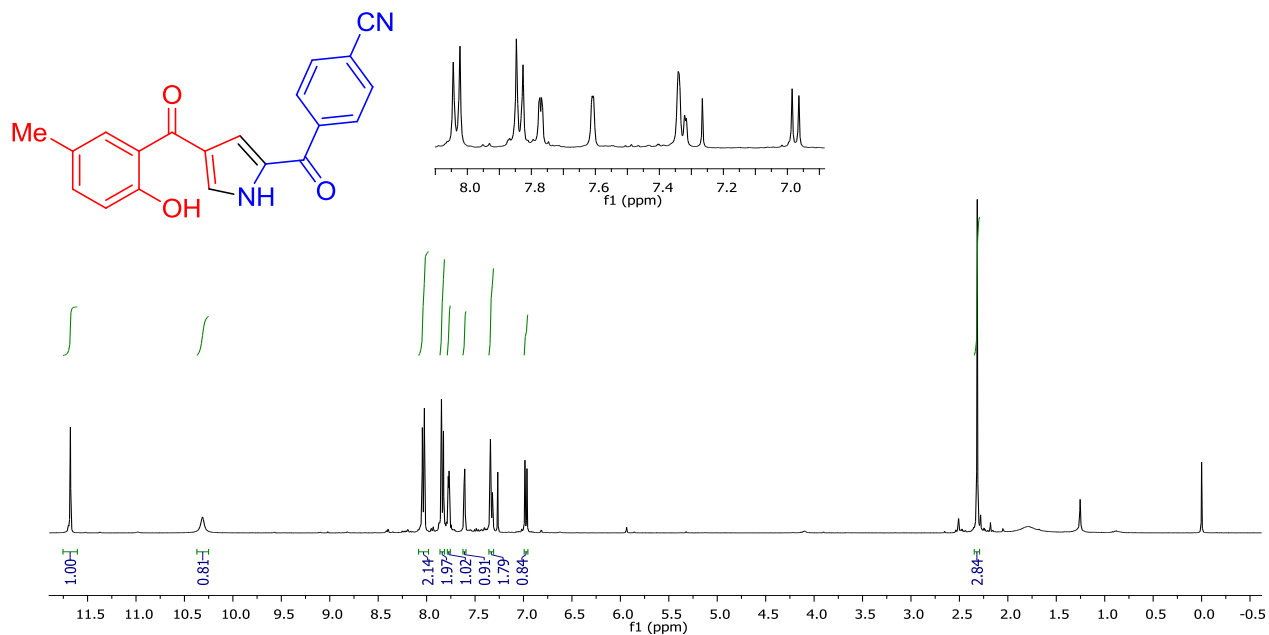




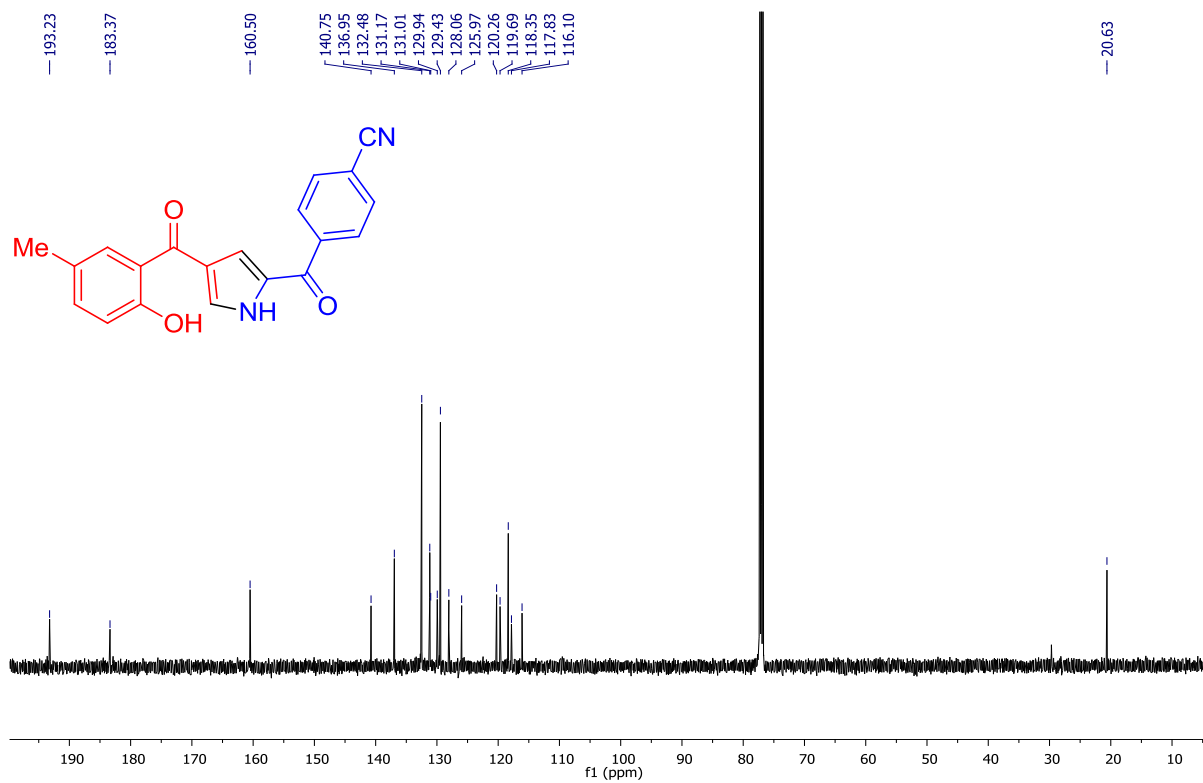
$^1\text{H NMR}$ (500 MHz, CDCl_3) spectrum of **5g**.



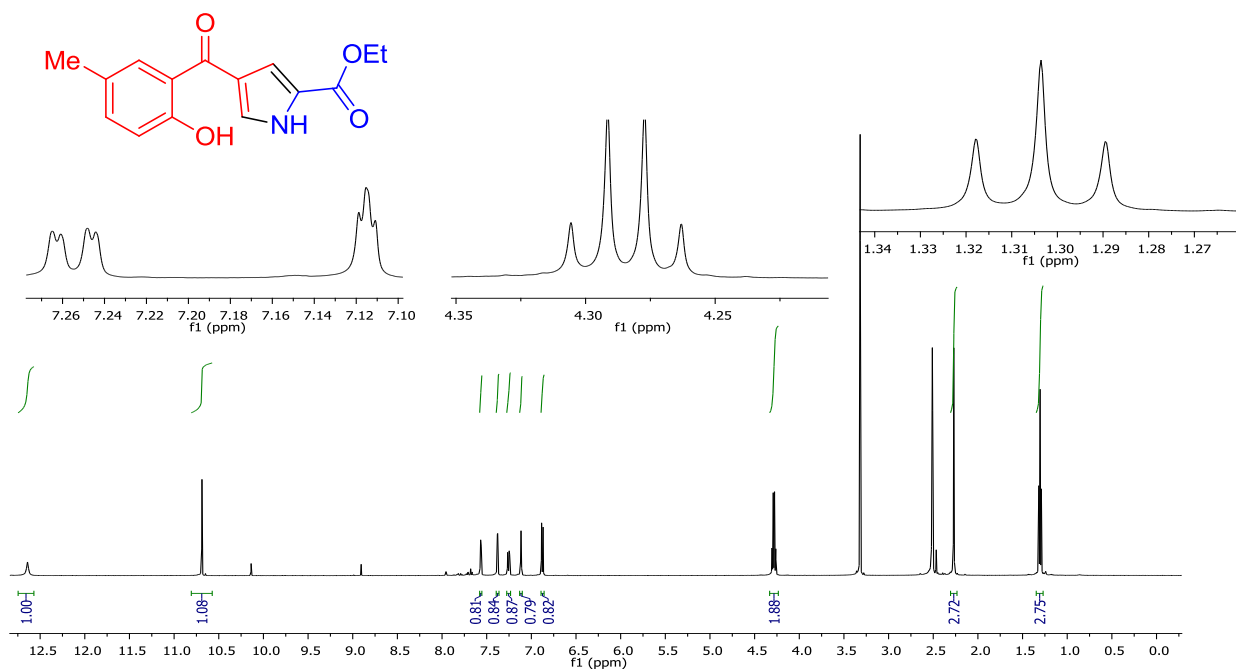
$^{13}\text{C NMR}$ (125 MHz, CDCl_3) spectrum of **5g**.



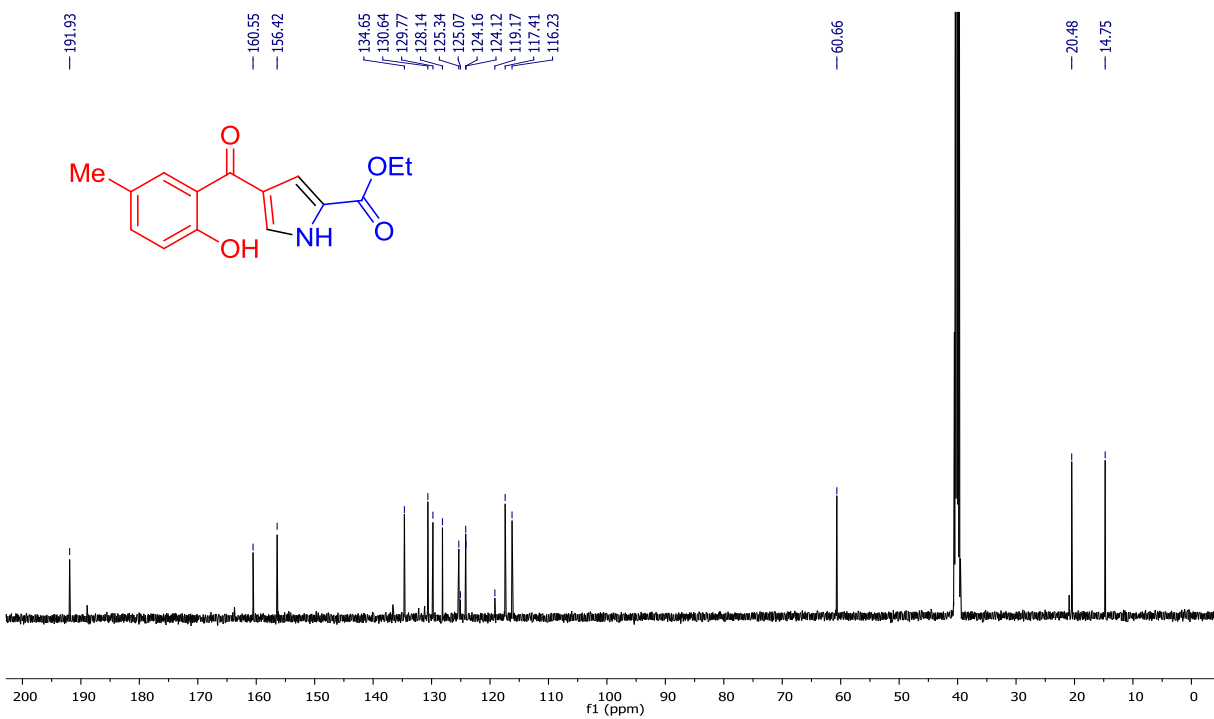
$^1\text{H NMR}$ (500 MHz, CDCl_3) spectrum of **5h**.



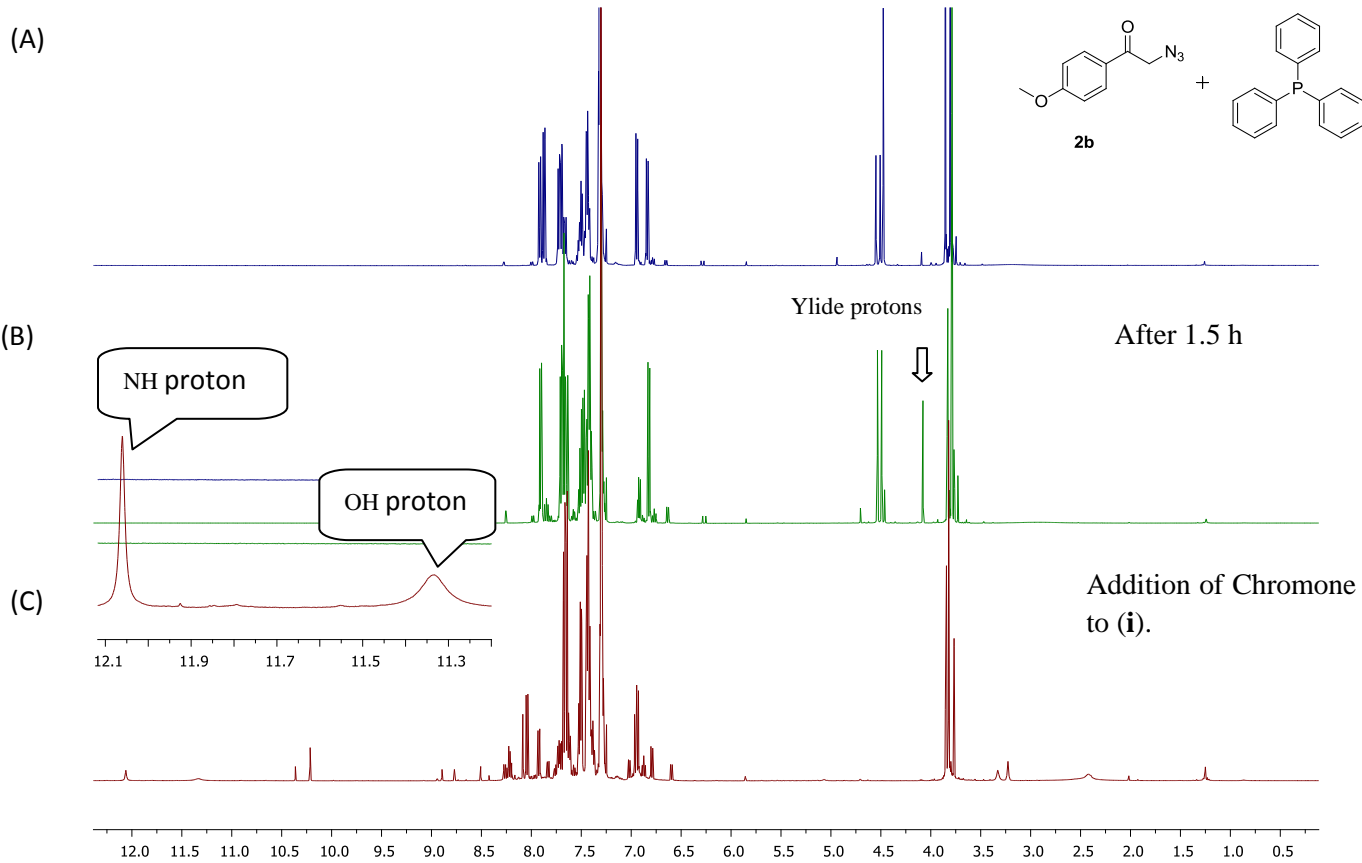
$^{13}\text{C NMR}$ (125 MHz, CDCl_3) spectrum of **5h**.



¹H NMR (500 MHz, DMSO-*d*₆) spectrum of **5n**.



¹³C NMR (125 MHz, DMSO-*d*₆) spectrum of **5n**.



^1H NMR (500 MHz, CDCl_3) spectrum showing reaction transformation.