Supporting information

Optional Synthesis of 2- or 5-Substituted 3-Bromopyrroles *via* Bromine-Lithium Exchange of *N*-Benzenesulfonyl-2,4-dibromopyrrole

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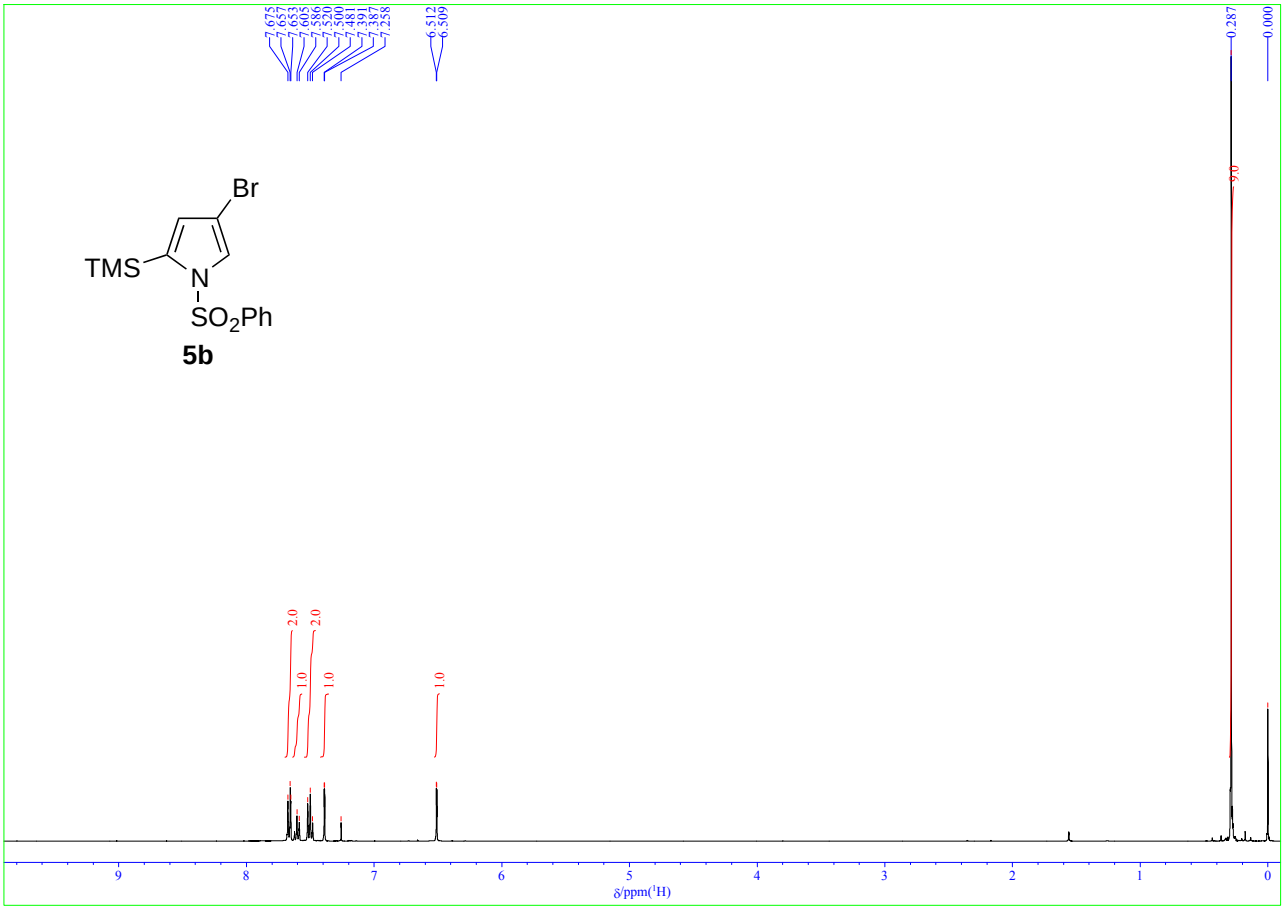

Figure S1. ^{1}H NMR spectrum of compound (**5b**) (400 MHz, $CDCl_3$).

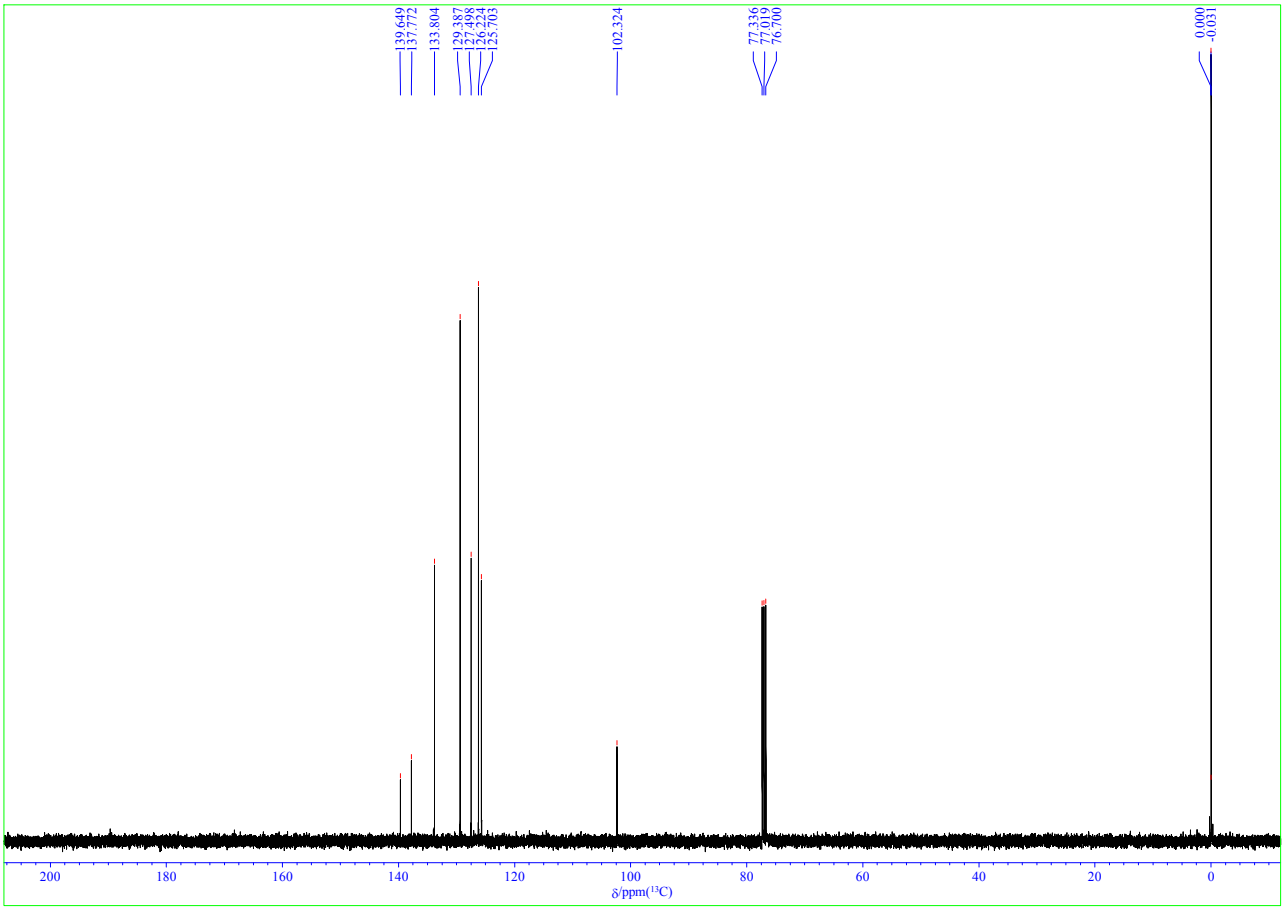

Figure S2. ^{13}C NMR spectrum of compound (**5b**) (100 MHz, $CDCl_3$).

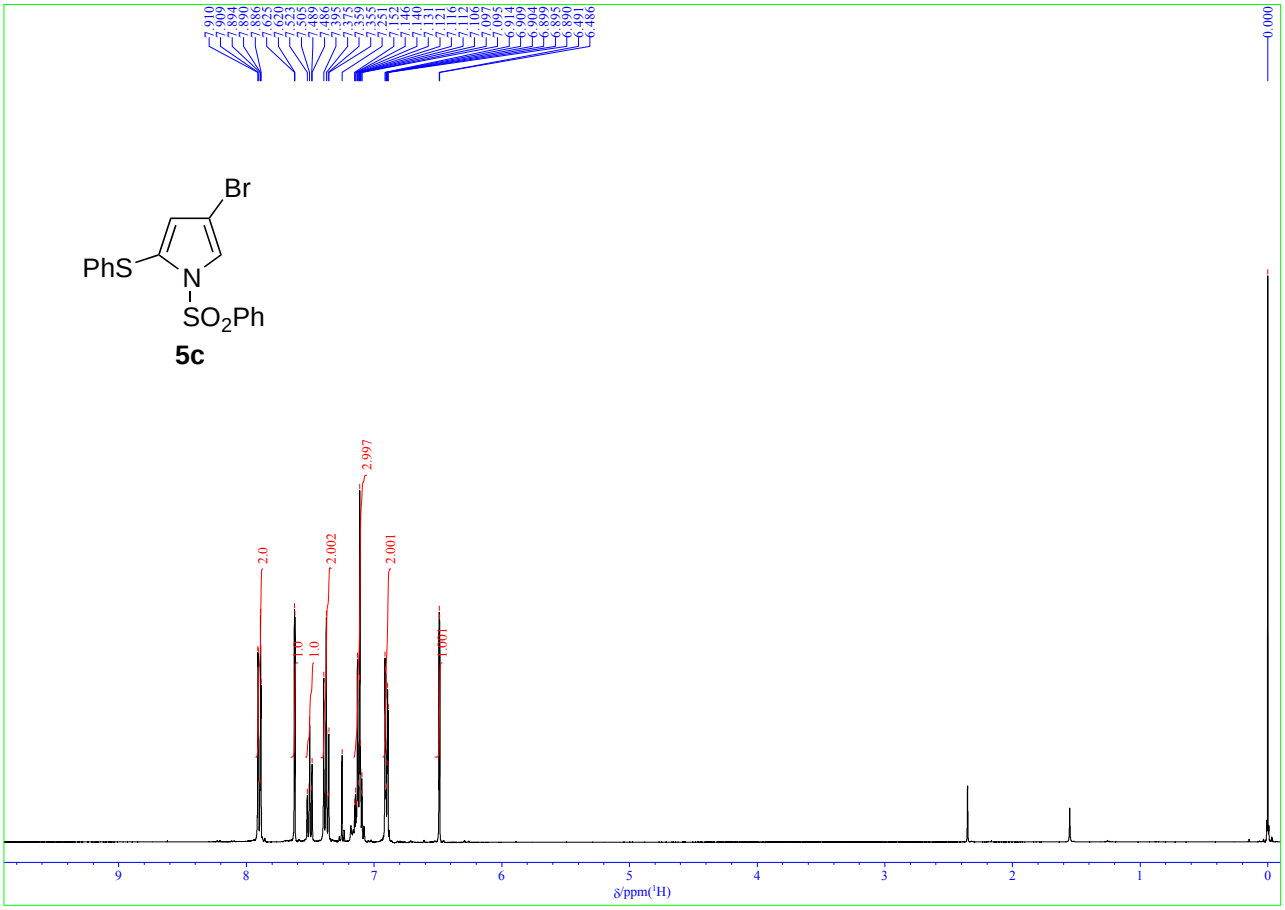

Figure S3. ^{1}H NMR spectrum of compound (**5c**) (400 MHz, $CDCl_3$).

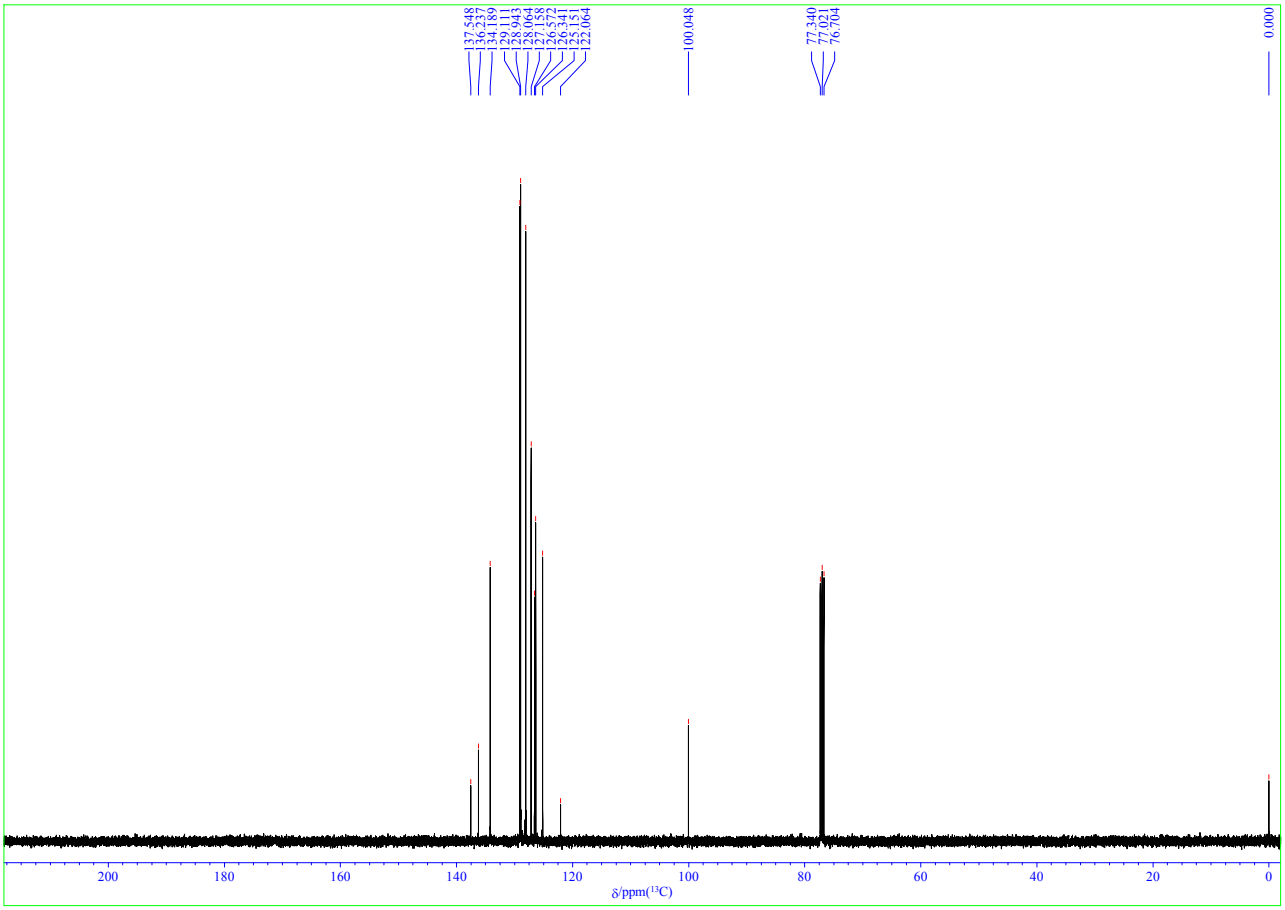

Figure S4. ^{13}C NMR spectrum of compound (**5c**) (100 MHz, $CDCl_3$).

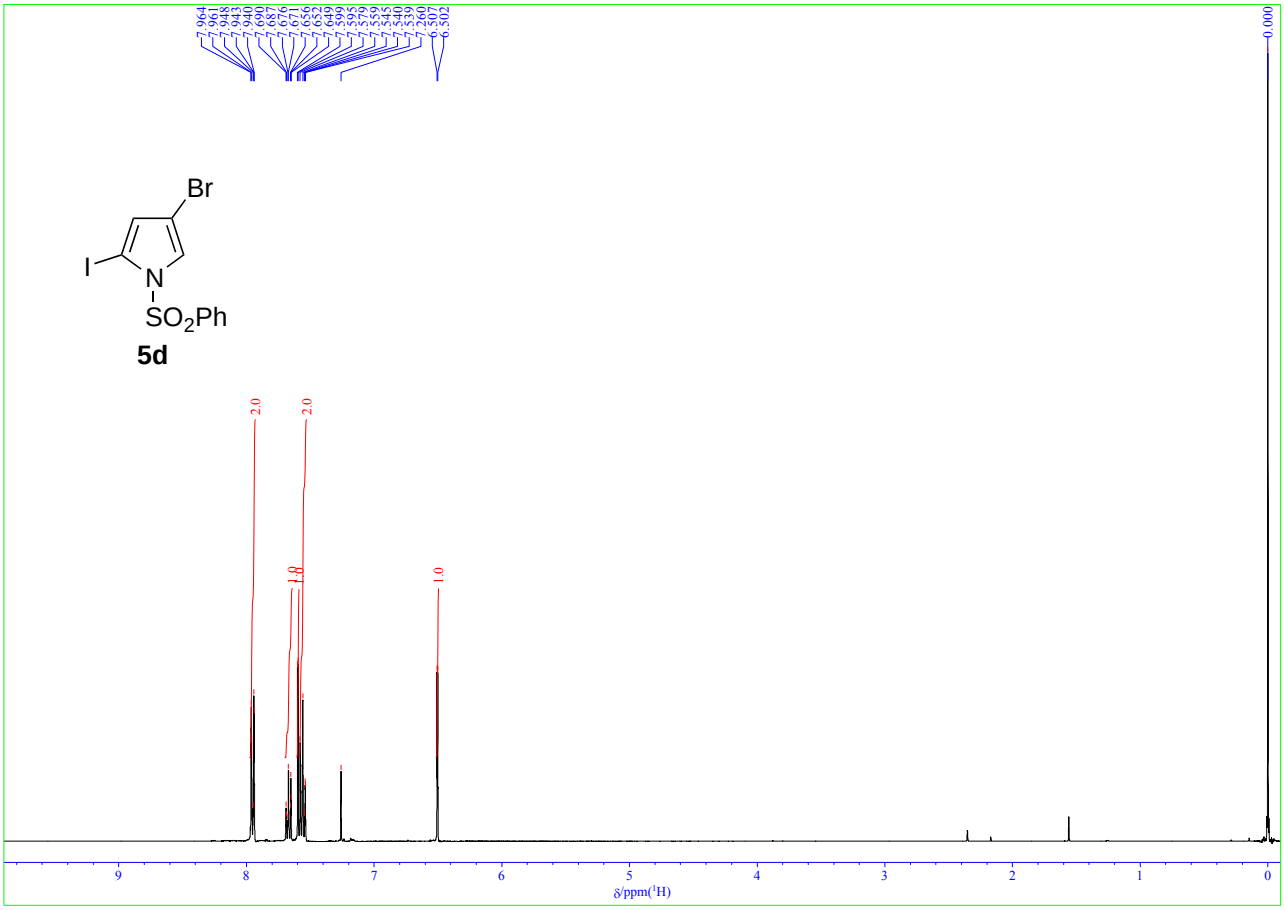

Figure S5. ^{1}H NMR spectrum of compound (**5d**) (400 MHz, $CDCl_3$).

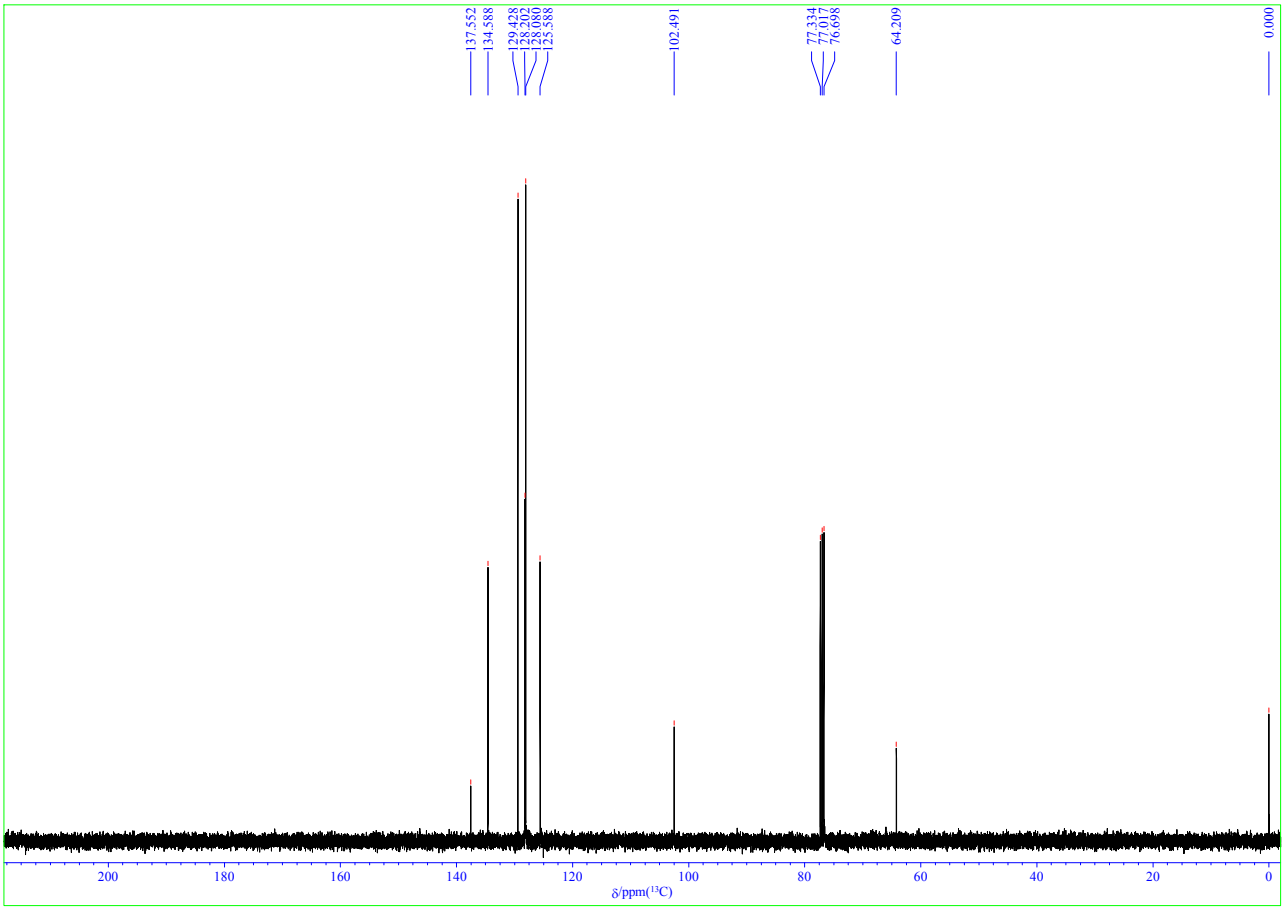

Figure S6. ^{13}C NMR spectrum of compound (**5d**) (100 MHz, $CDCl_3$).

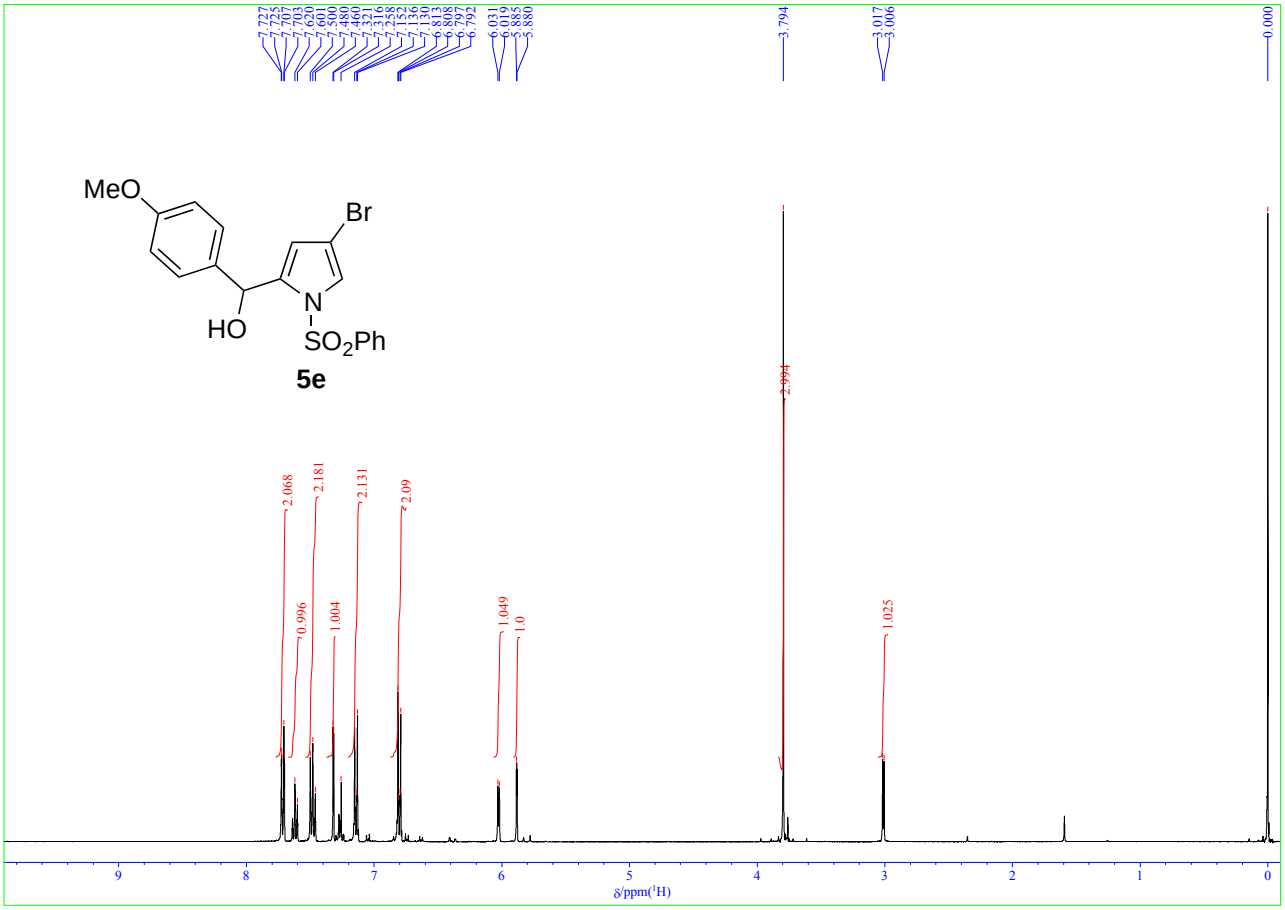

Figure S7. ^{1}H NMR spectrum of compound (**5e**) (400 MHz, $CDCl_3$).

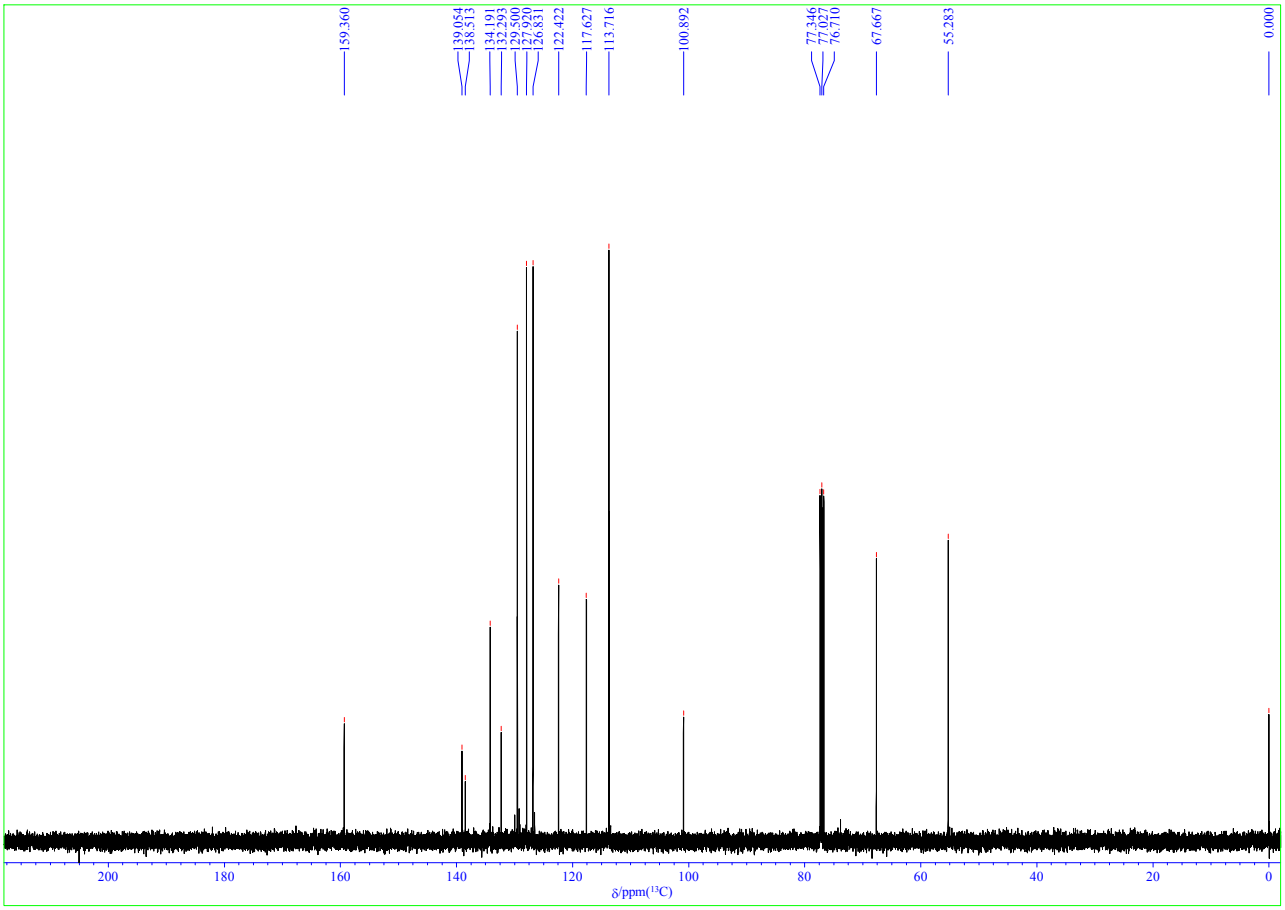

Figure S8. ^{13}C NMR spectrum of compound (**5e**) (100 MHz, $CDCl_3$).

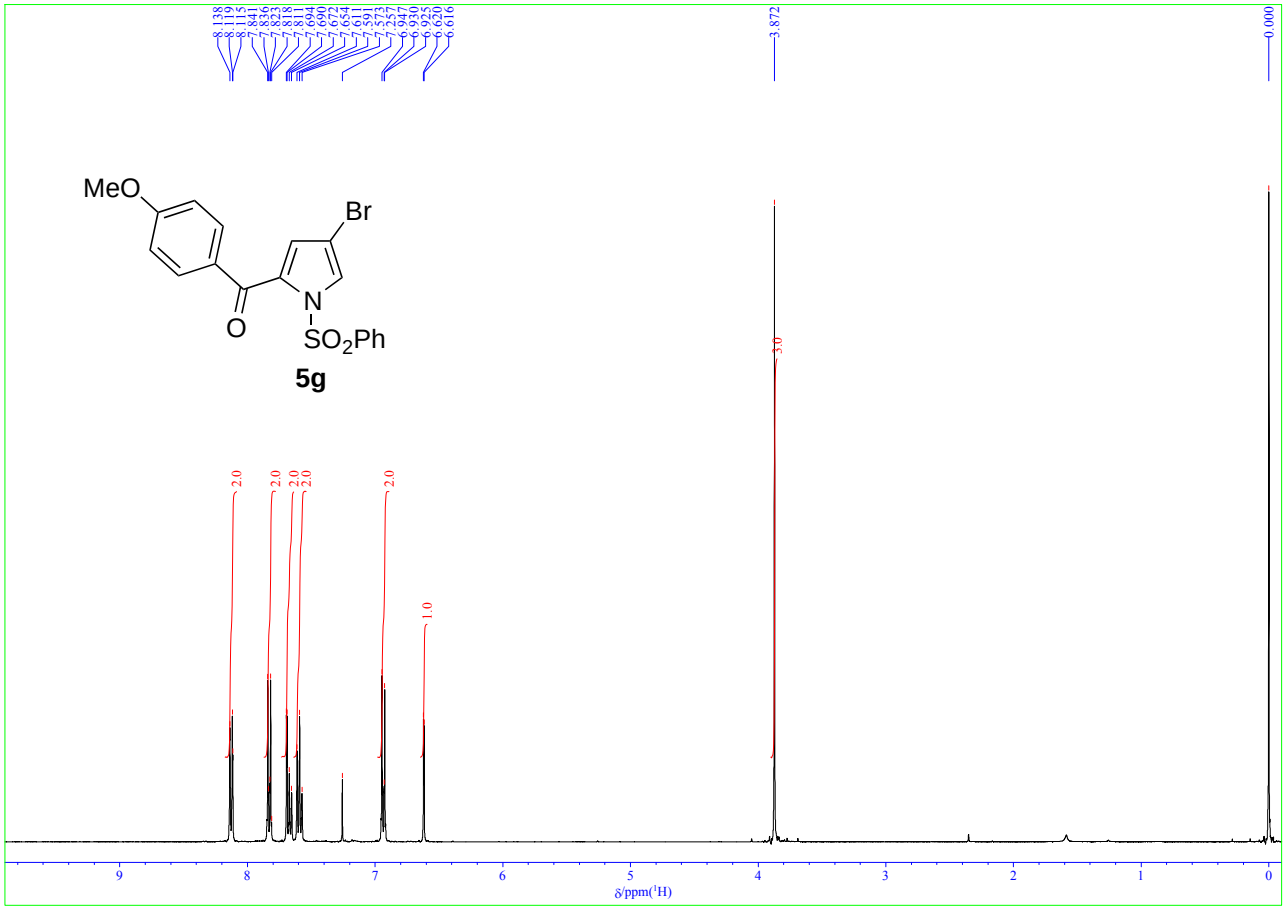

Figure S9. ^{1}H NMR spectrum of compound (**5g**) (400 MHz, $CDCl_3$).

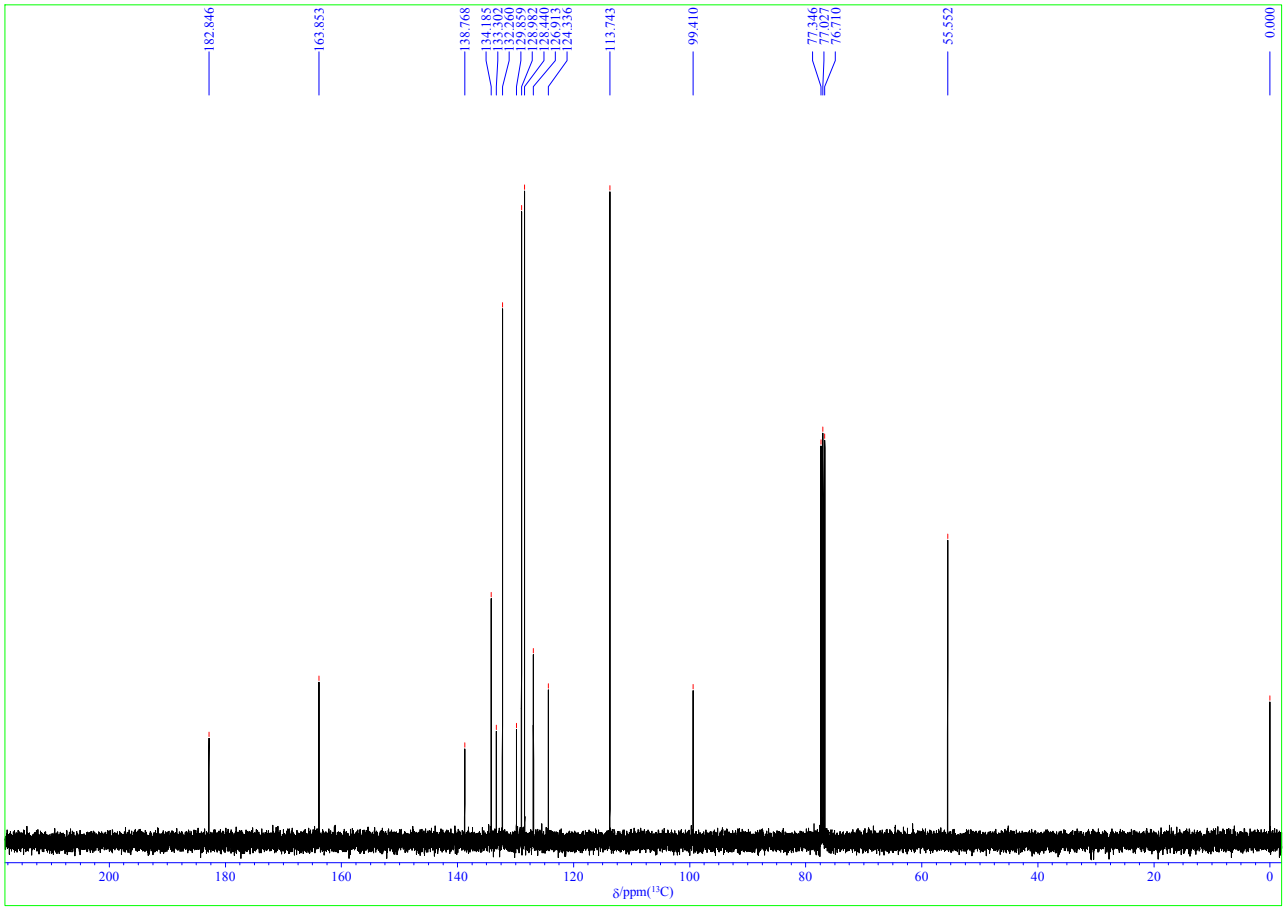

Figure S10. ^{13}C NMR spectrum of compound (**5g**) (100 MHz, $CDCl_3$).

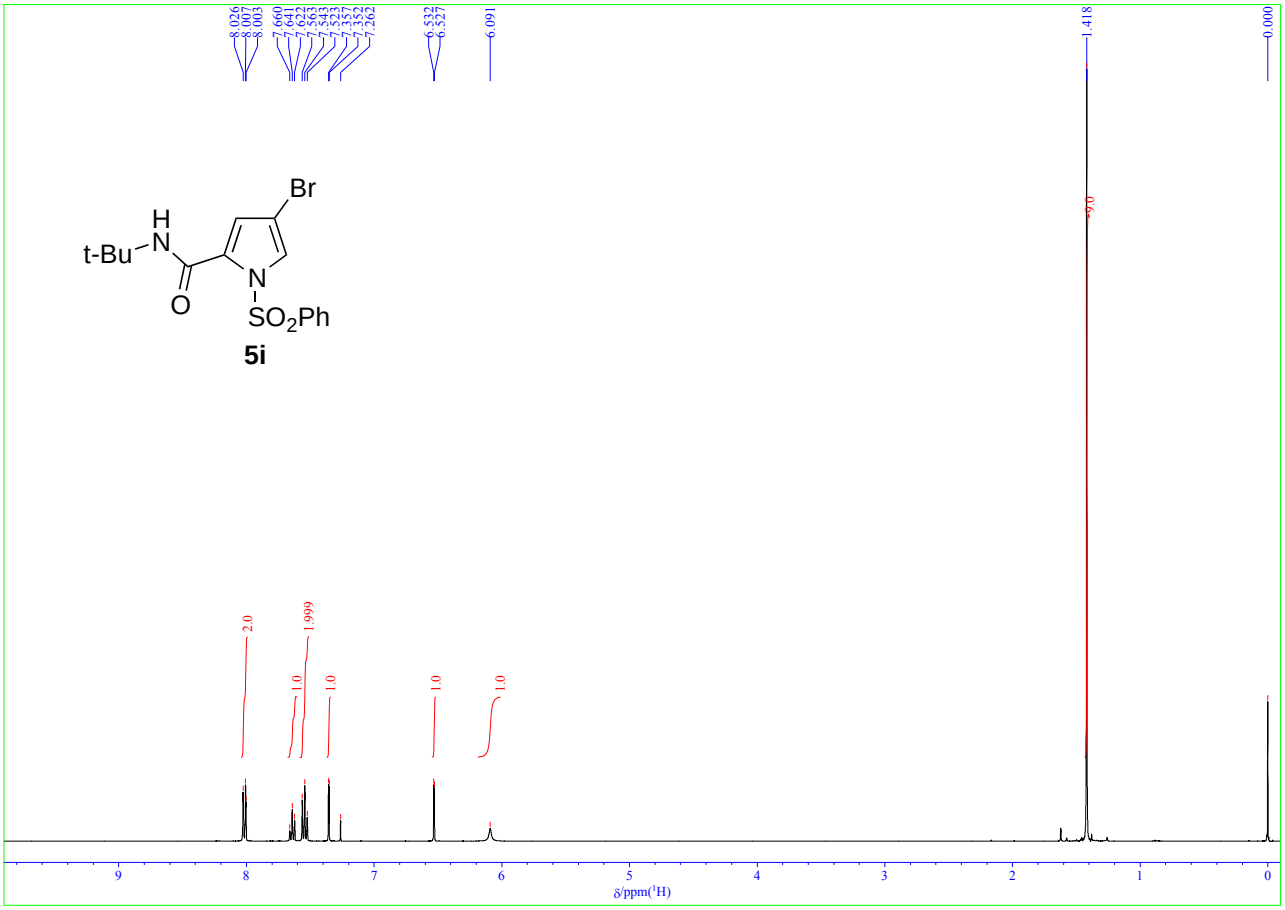

Figure S11. ^{1}H NMR spectrum of compound (**5i**) (400 MHz, $CDCl_3$).

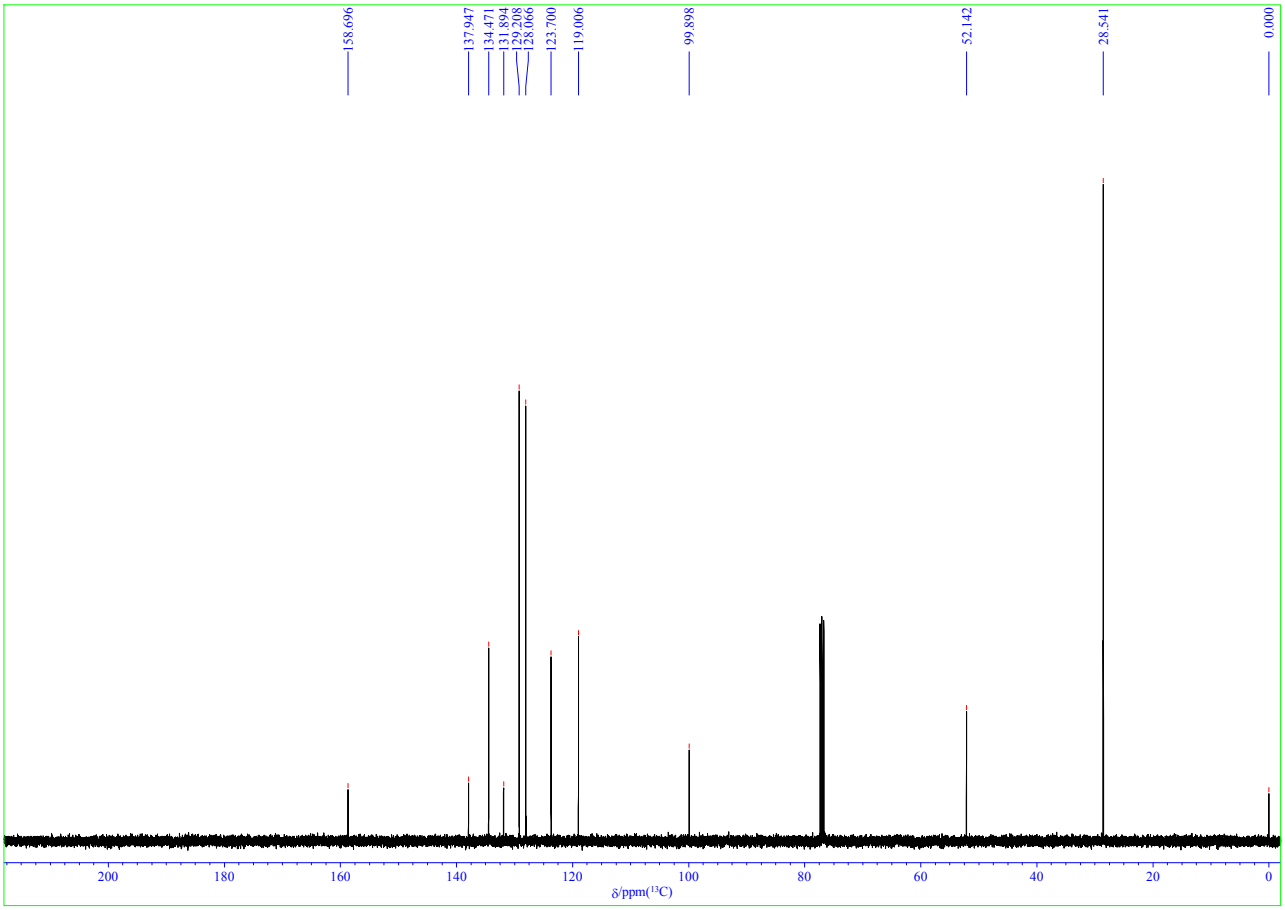

Figure S12. ^{13}C NMR spectrum of compound (**5i**) (100 MHz, $CDCl_3$).

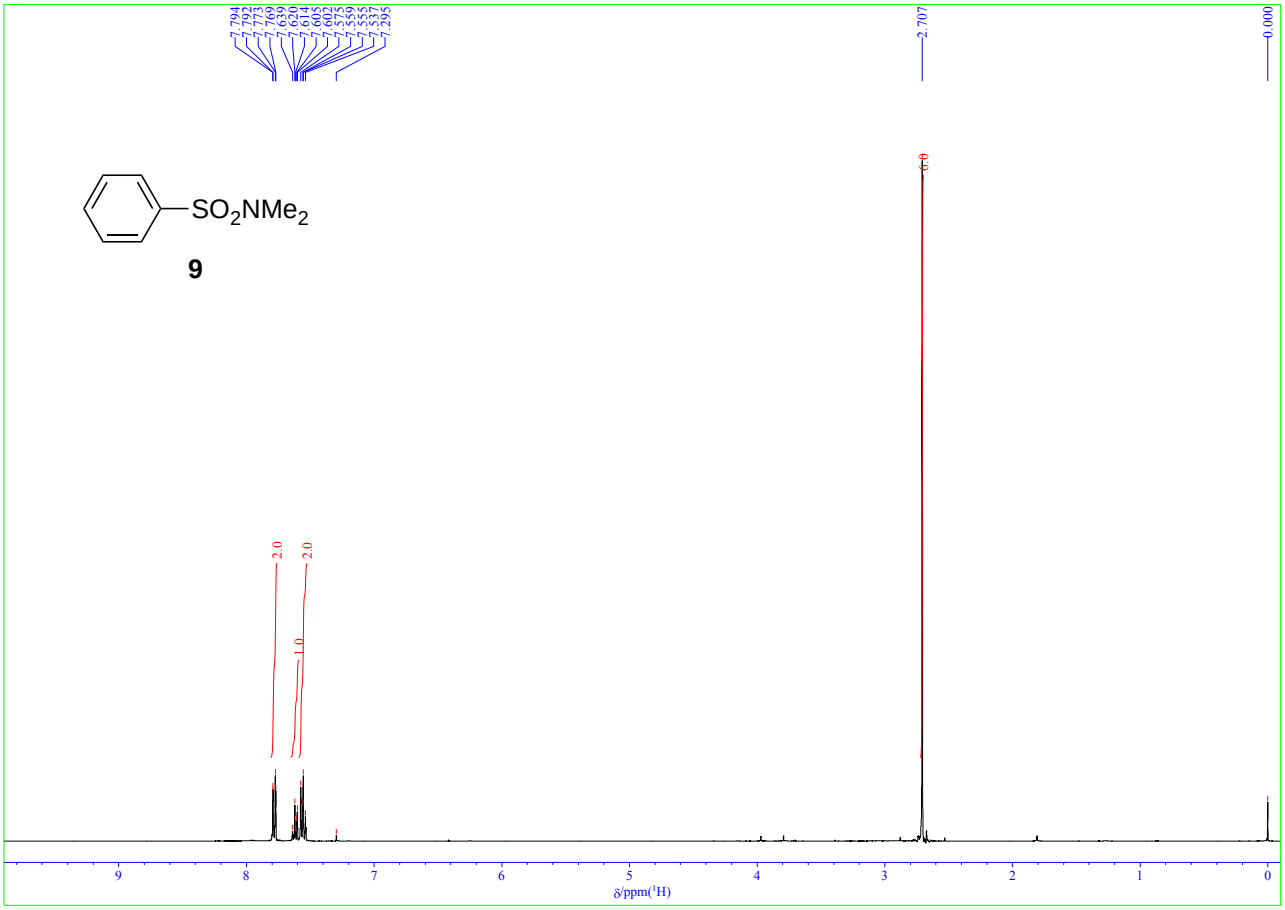

Figure S13. ^{1}H NMR spectrum of compound (**9**) (400 MHz, $CDCl_3$).

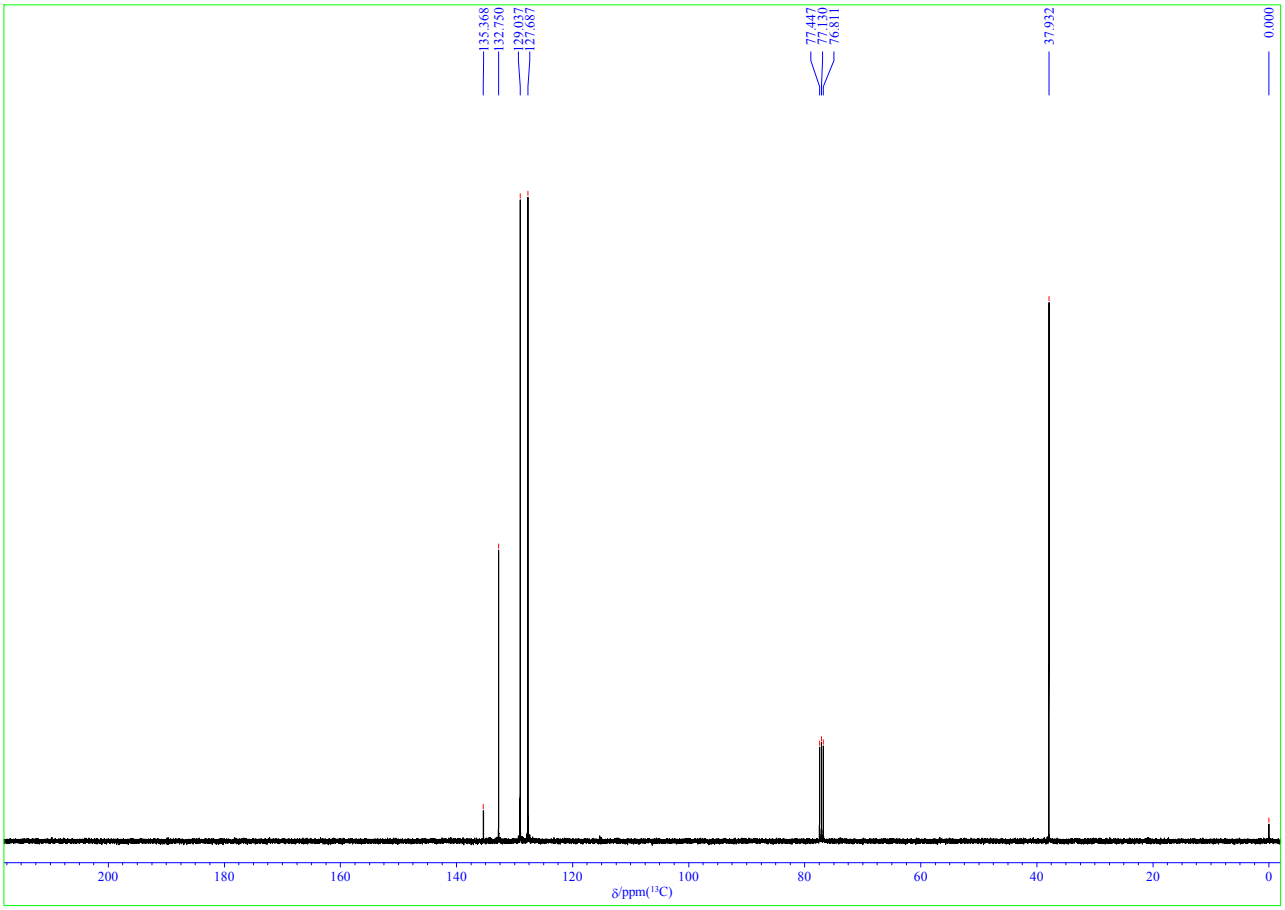

Figure S14. ^{13}C NMR spectrum of compound (**9**) (100 MHz, $CDCl_3$).

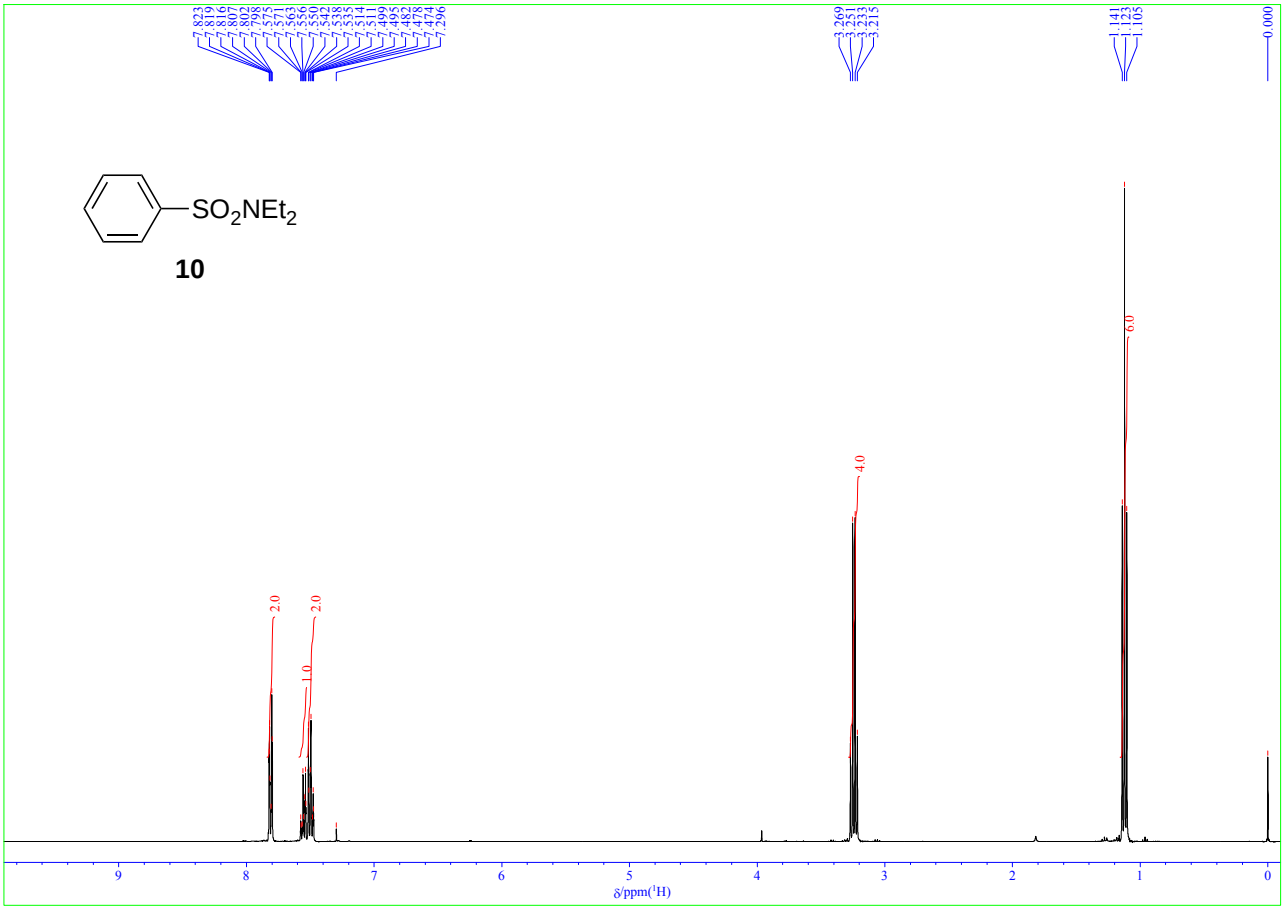

Figure S15. ^{1}H NMR spectrum of compound (**10**) (400 MHz, $CDCl_3$).

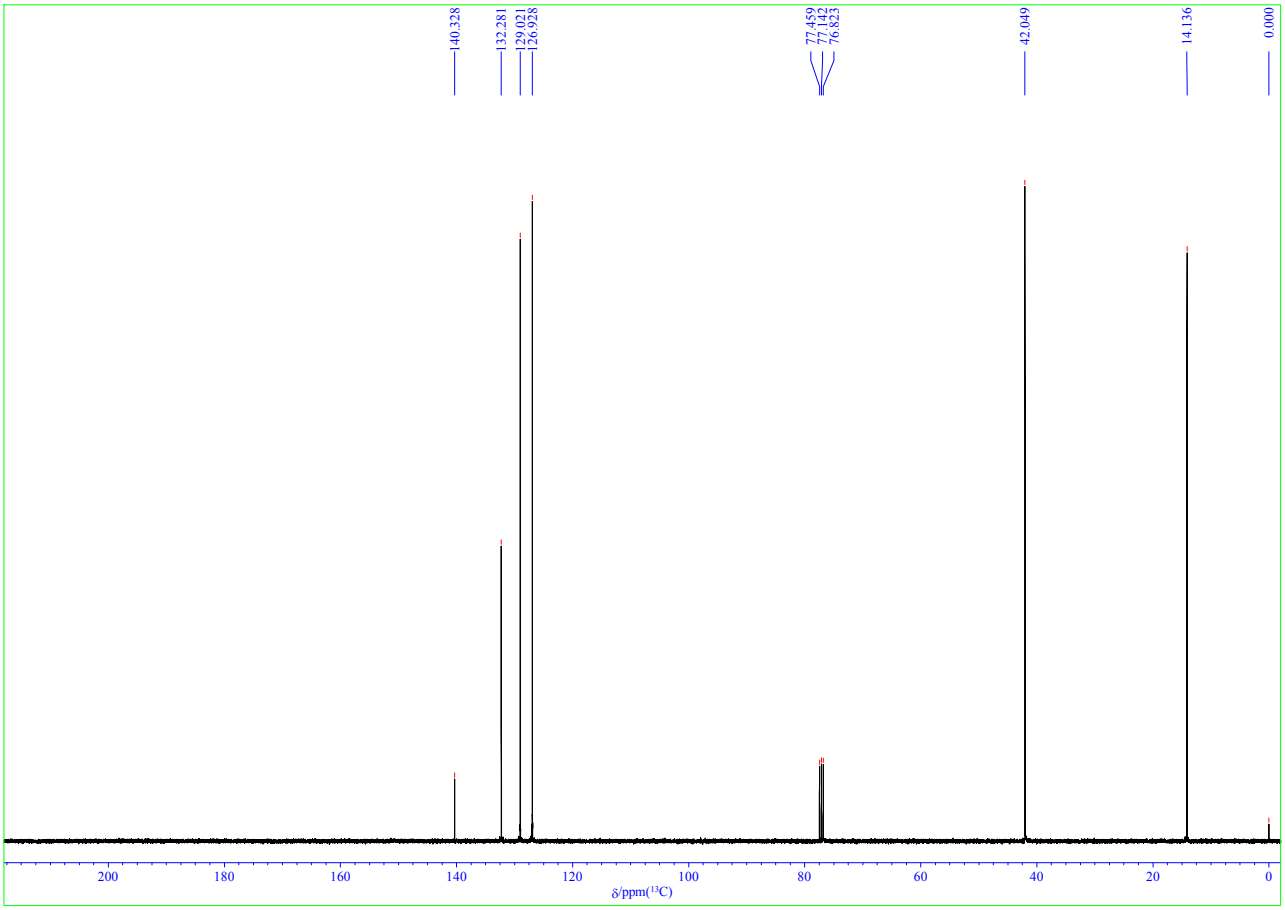

Figure S16. ^{13}C NMR spectrum of compound (**10**) (100 MHz, $CDCl_3$).