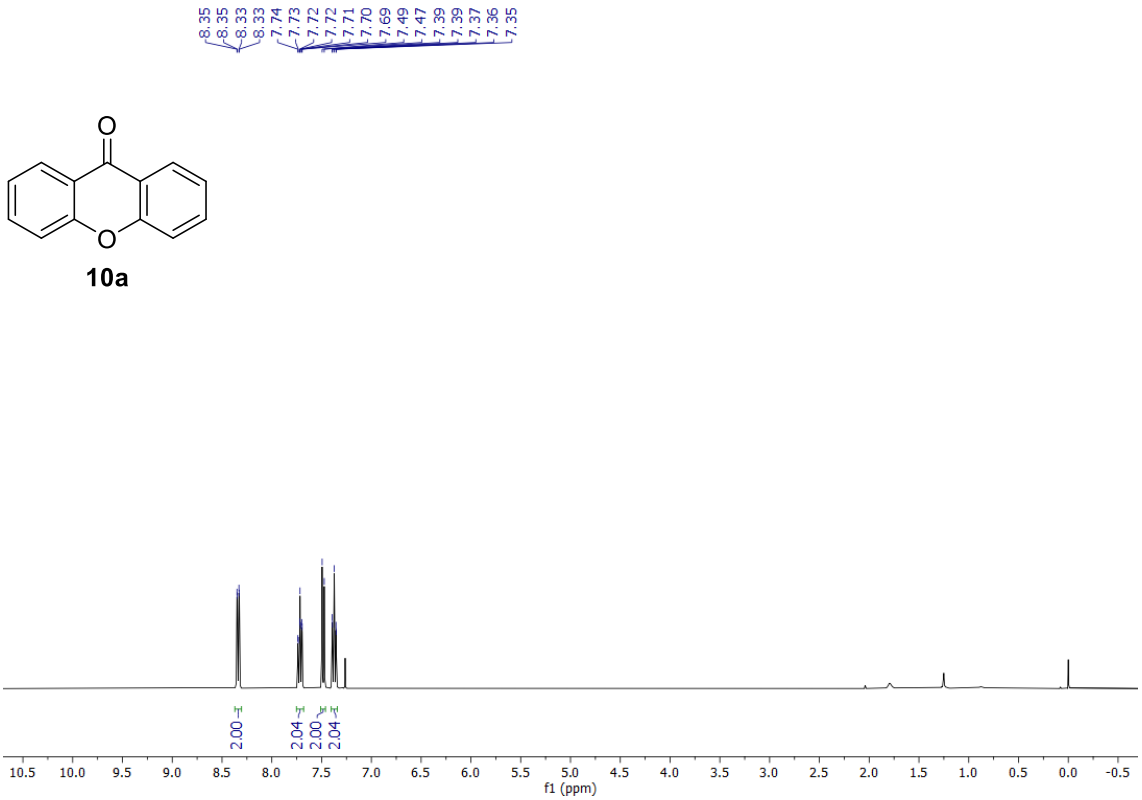


Figure S1. ^{1}H NMR spectrum ($CDCl_3$, 400 MHz) of compound **10a**.

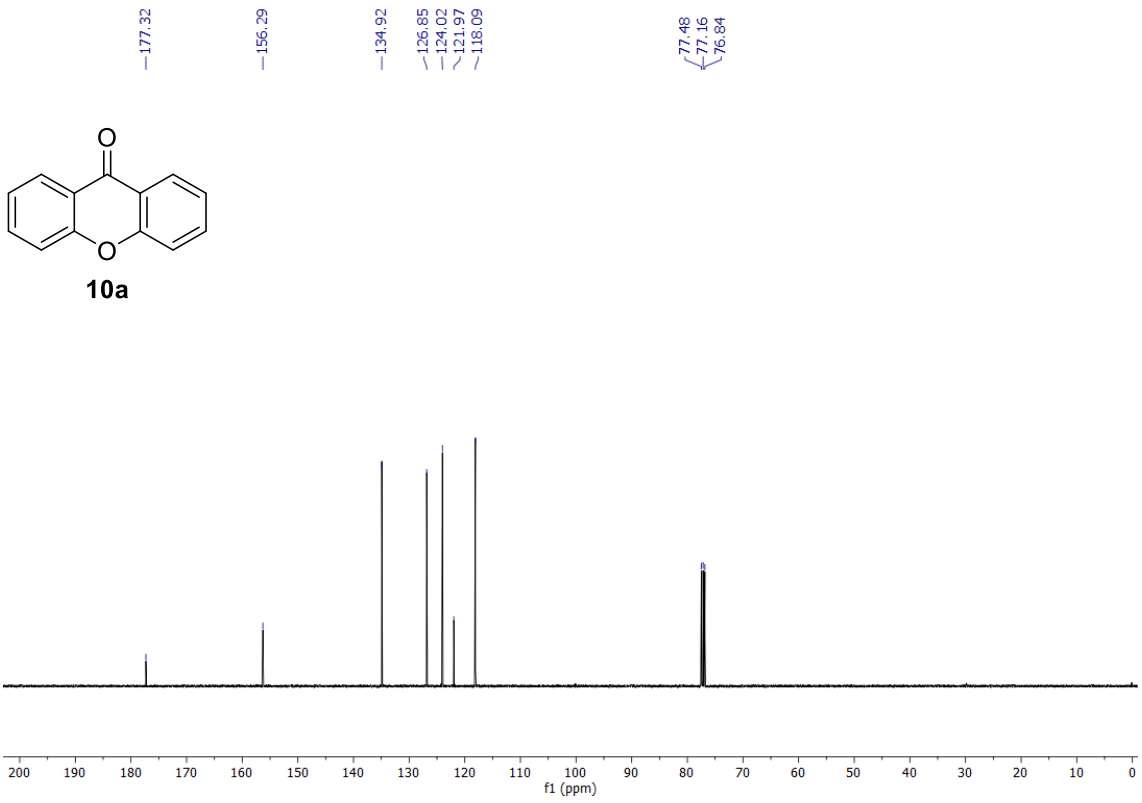


Figure S2. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **10a**.

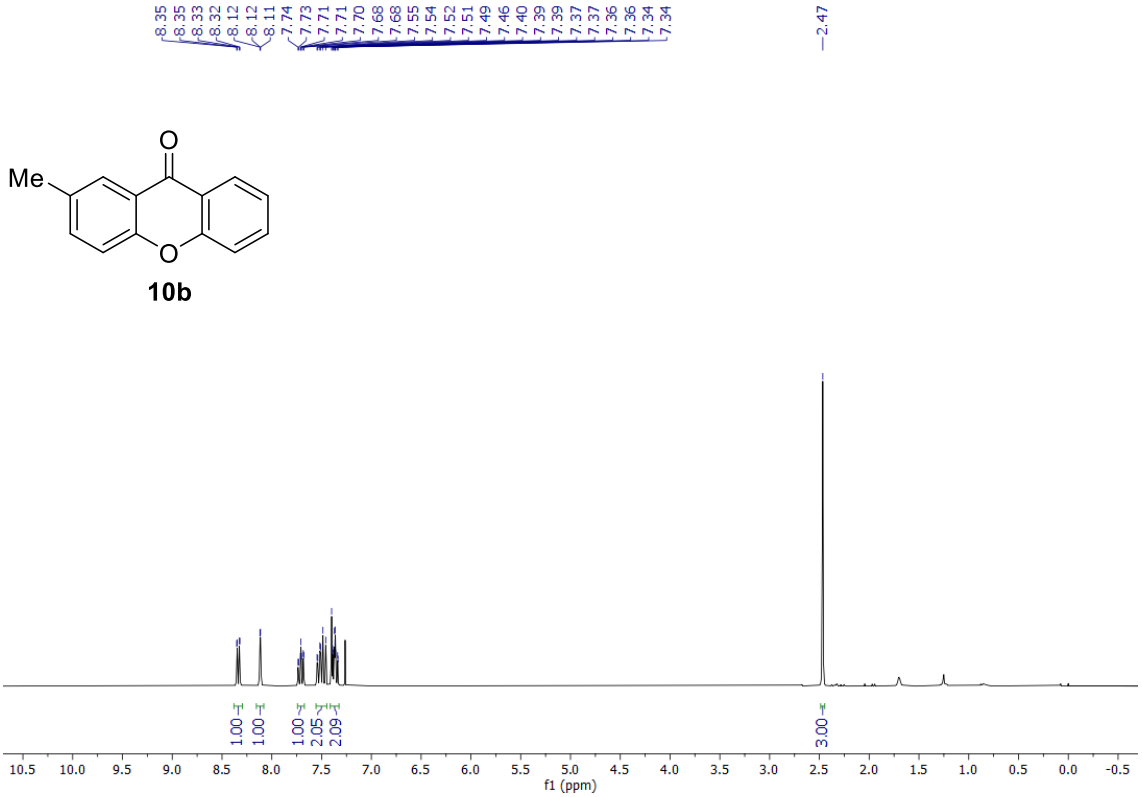


Figure S3. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10b**.

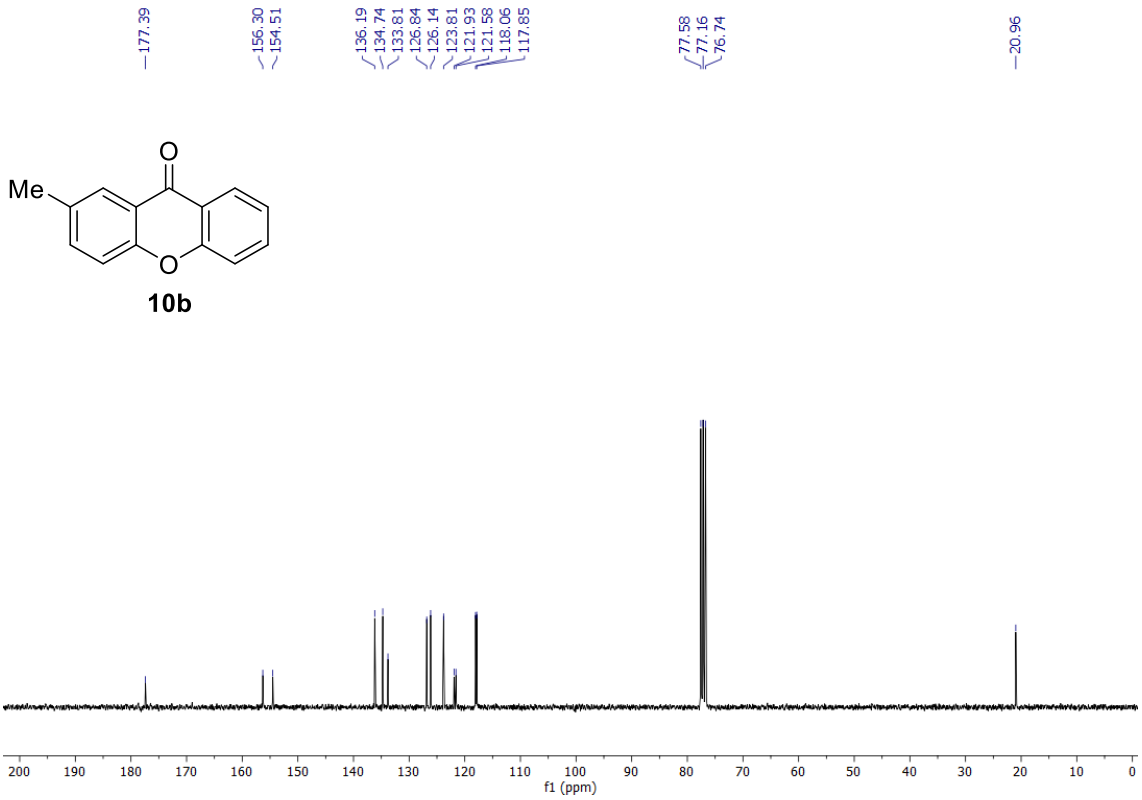


Figure S4. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **10b**.

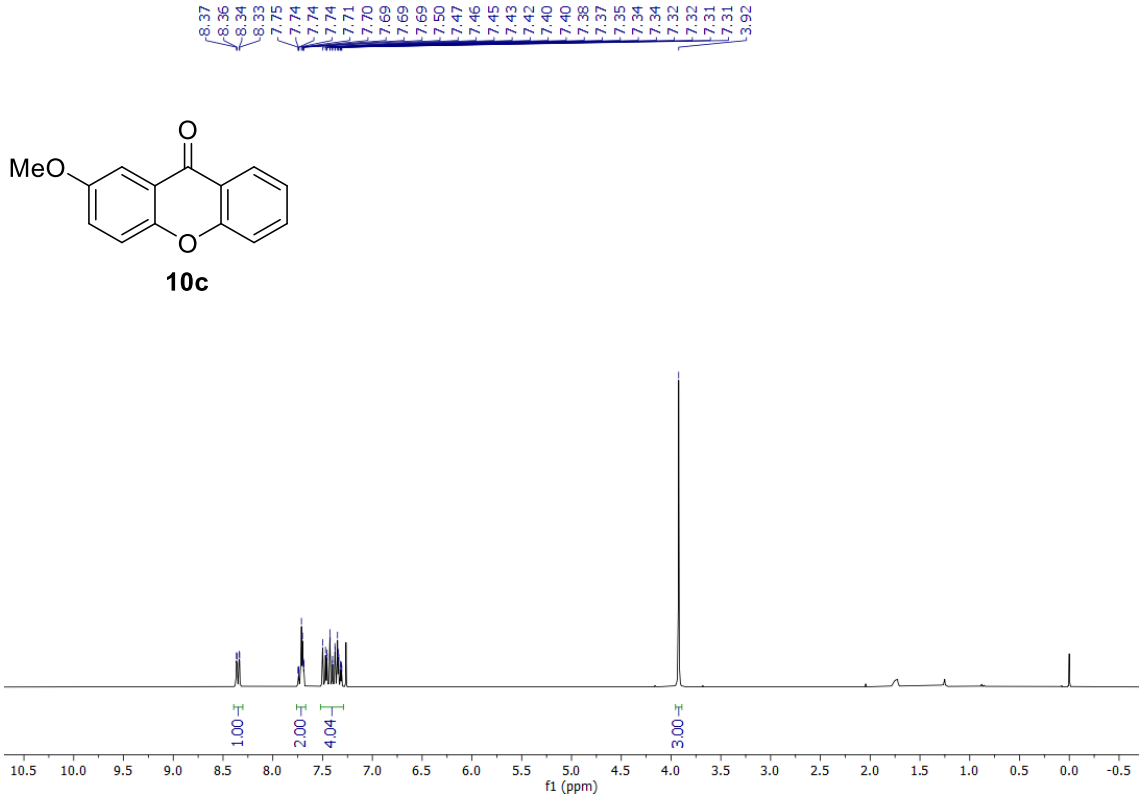


Figure S5. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10c**.

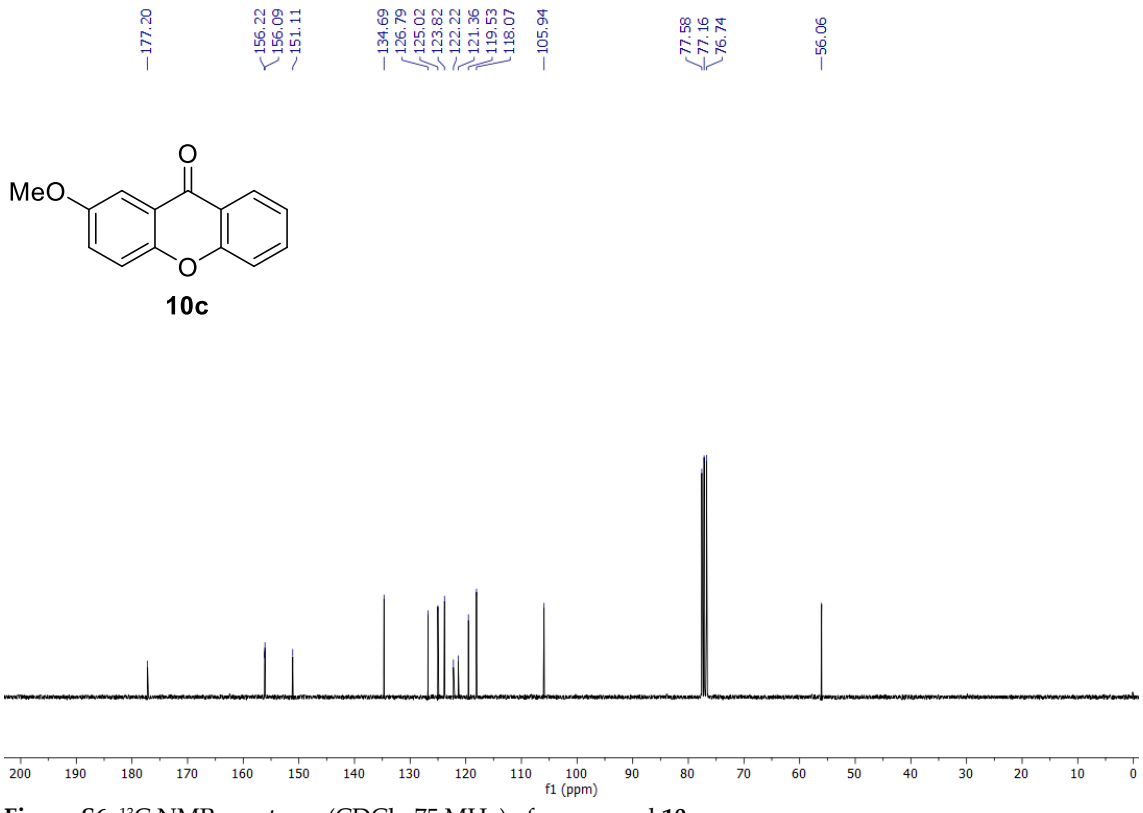


Figure S6. ^{13}C NMR spectrum ($CDCl_3$, 75 MHz) of compound **10c**.

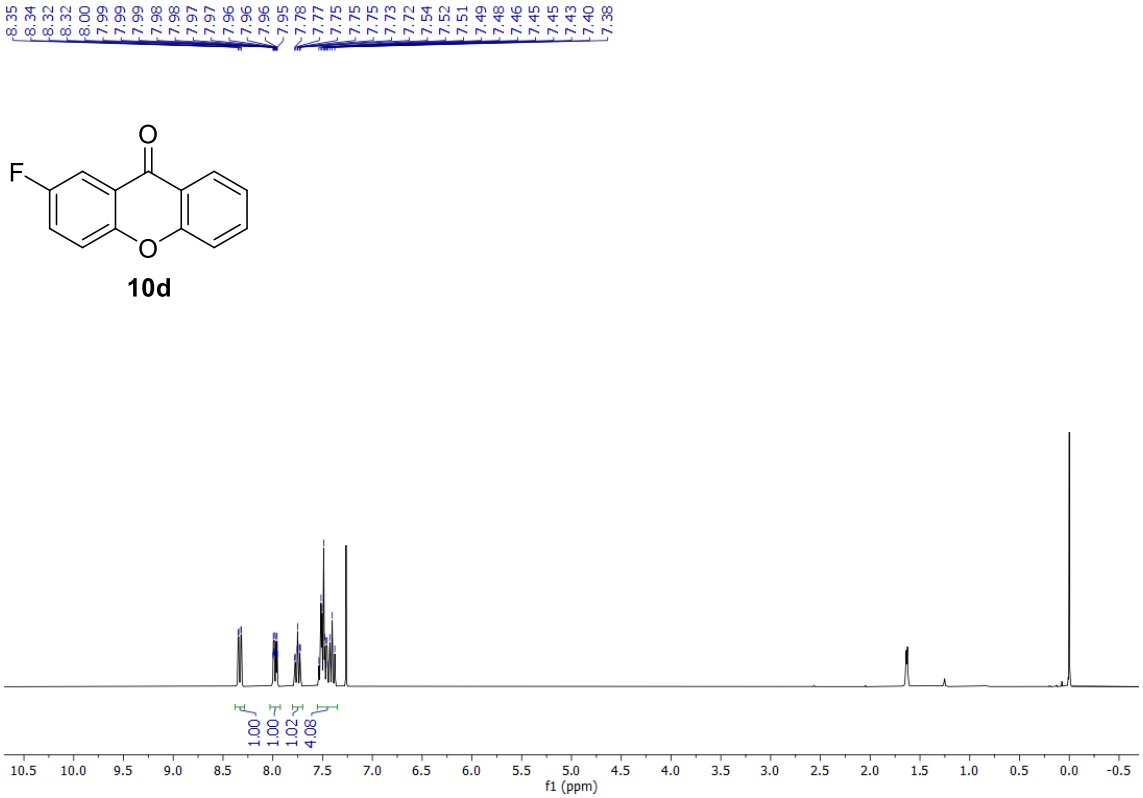


Figure S7. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10d**.

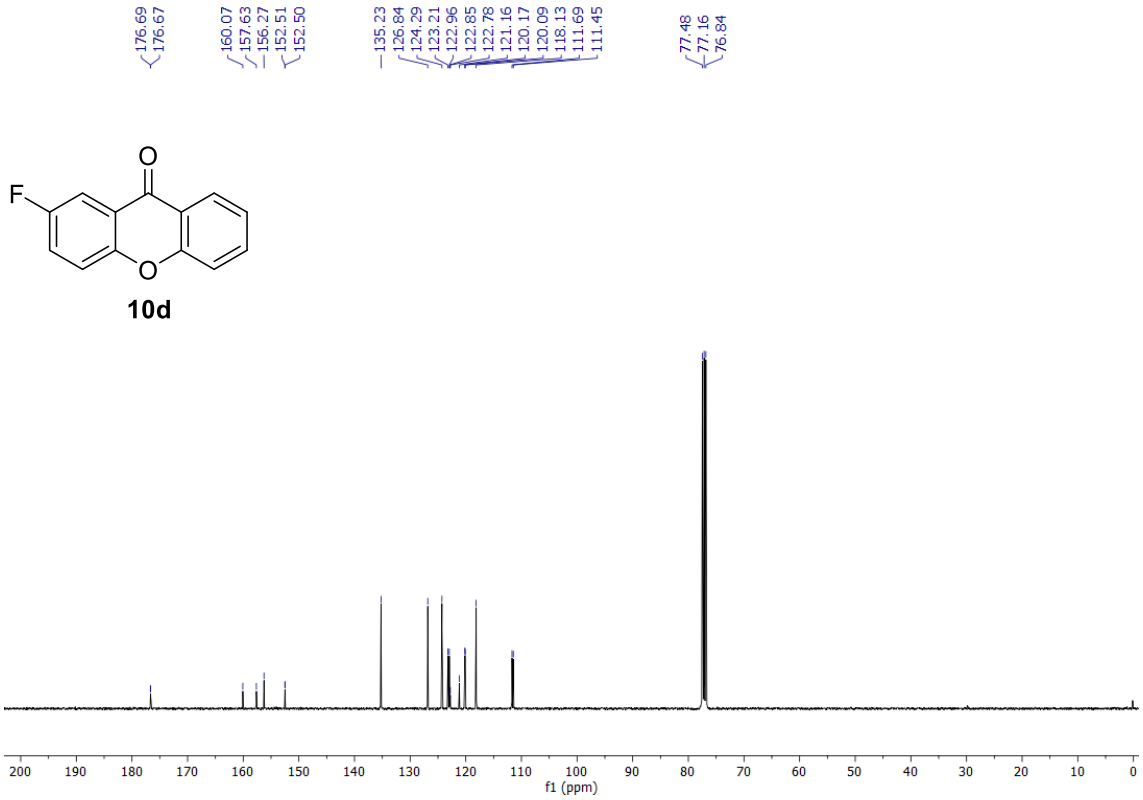


Figure S8. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **10d**.

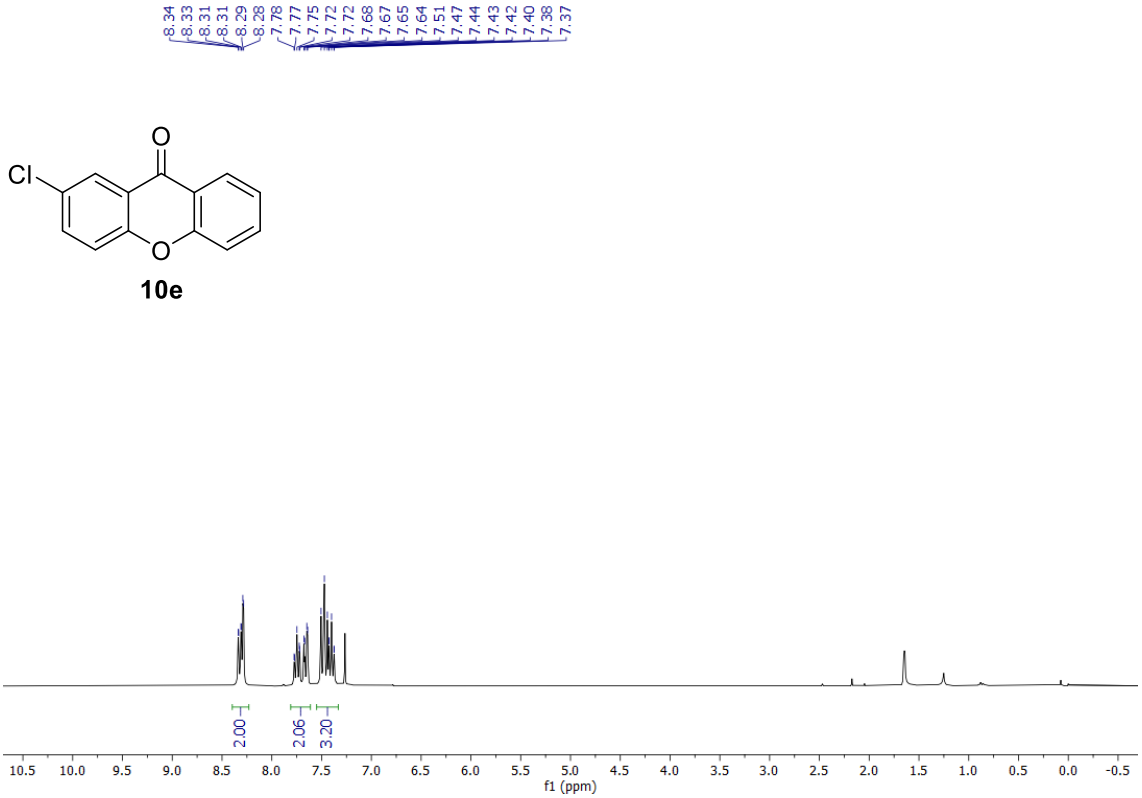


Figure S9. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10e**.

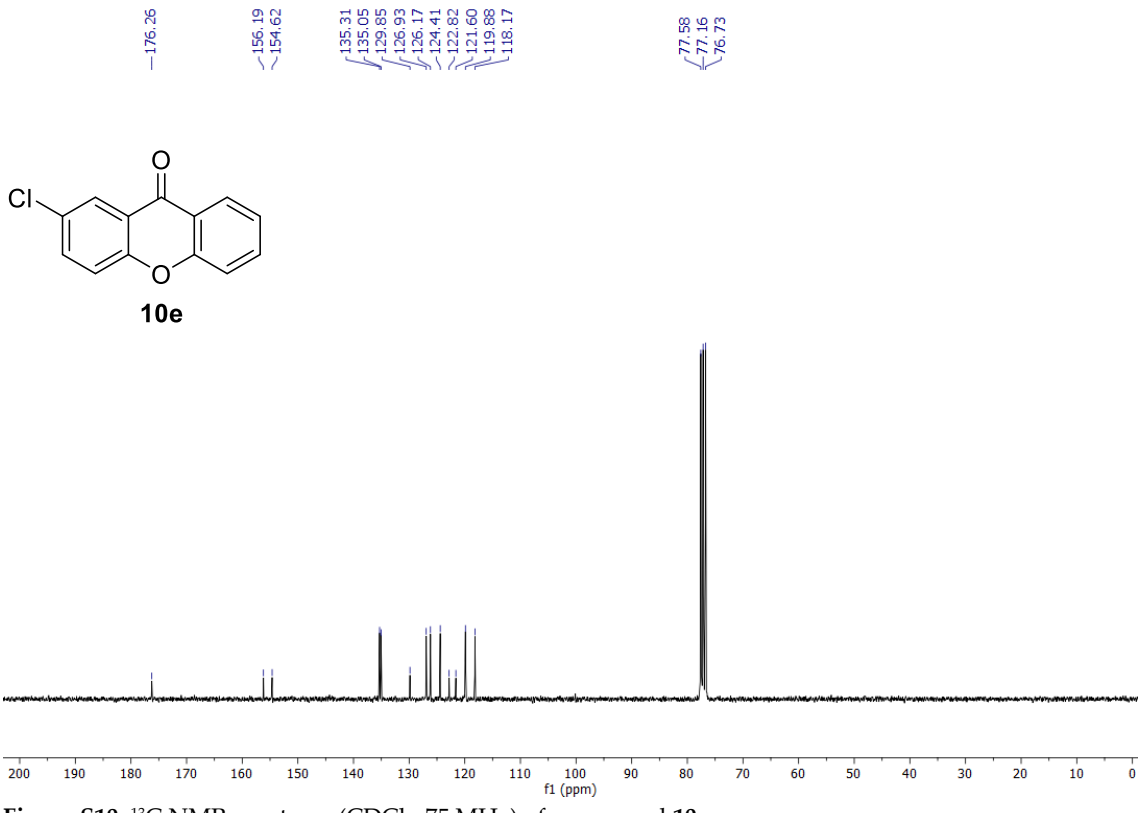


Figure S10. ^{13}C NMR spectrum ($CDCl_3$, 75 MHz) of compound **10e**.

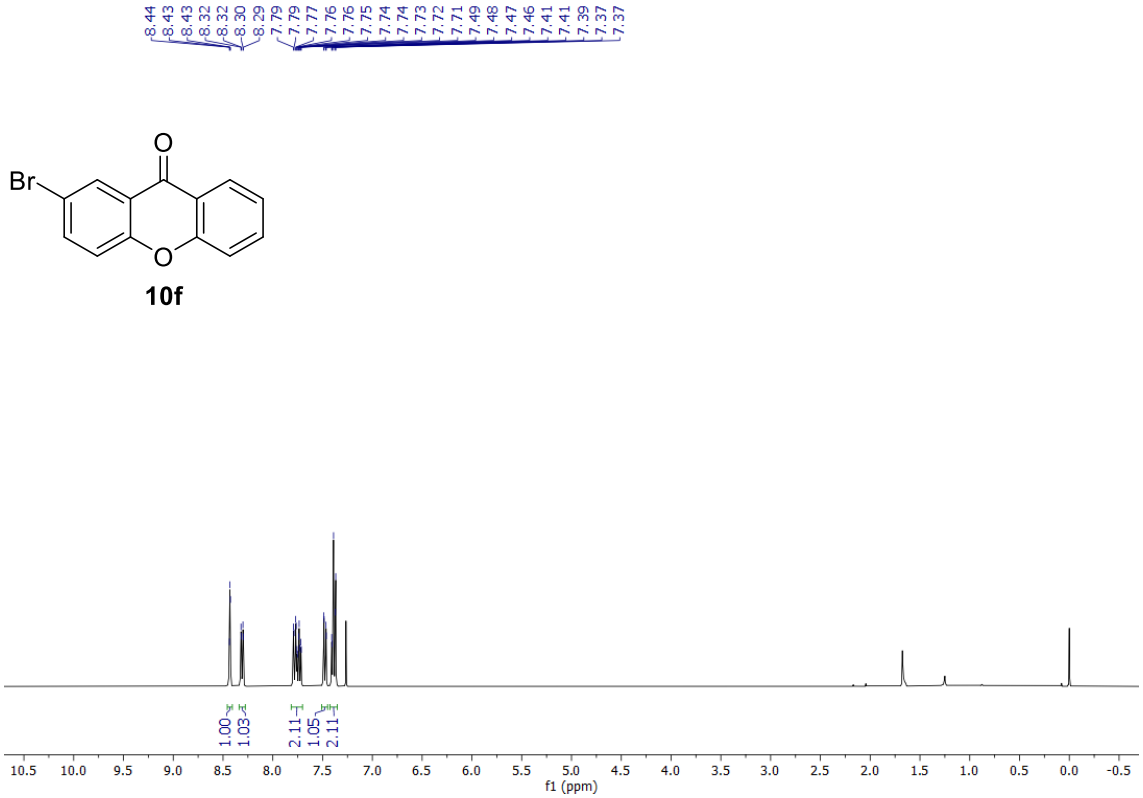


Figure S11. ^{1}H NMR spectrum ($CDCl_3$, 400 MHz) of compound **10f**.

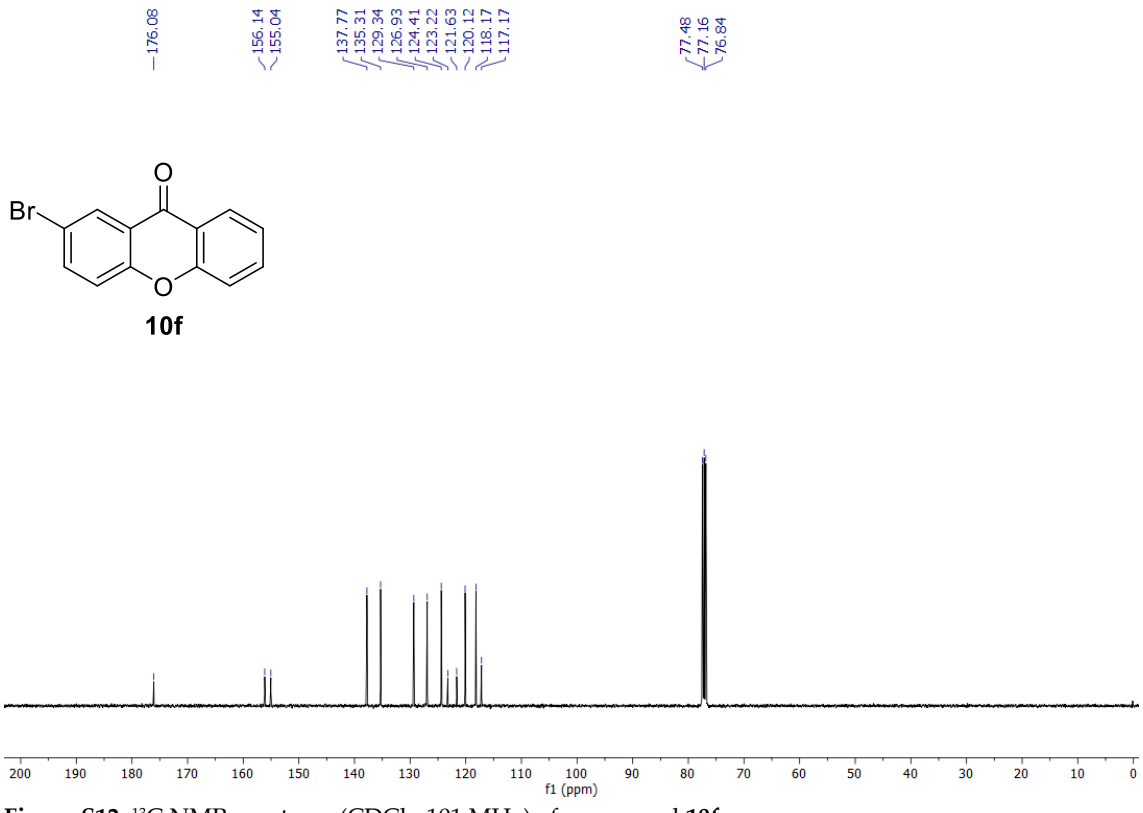
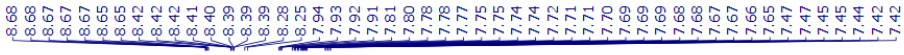
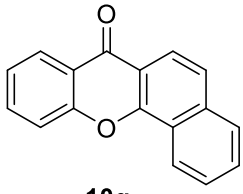


Figure S12. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **10f**.





10g

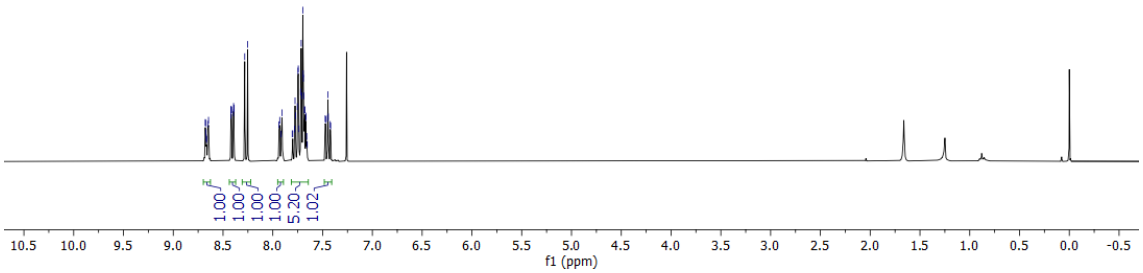
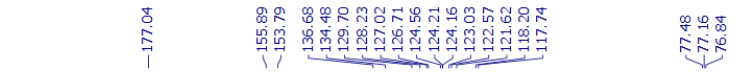
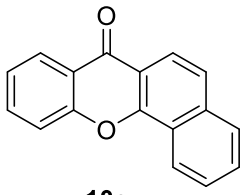


Figure S13. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10g**.





10g

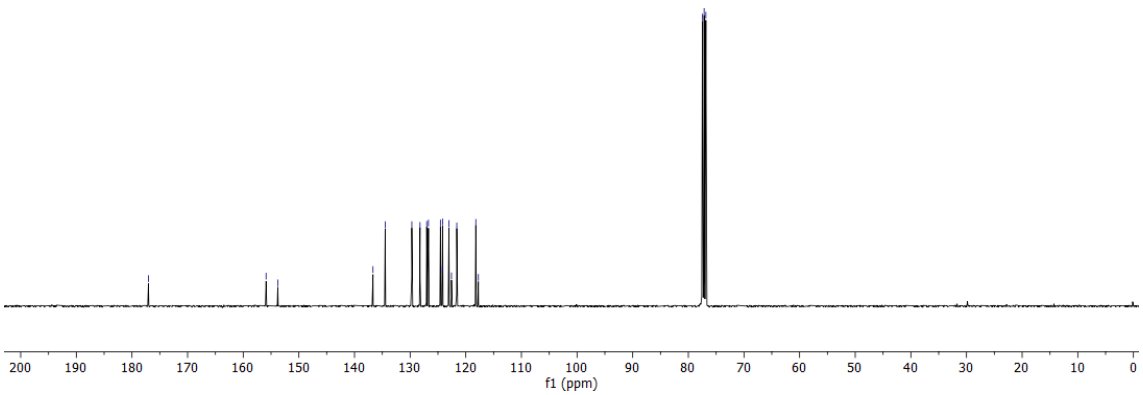


Figure S14. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **10g**.

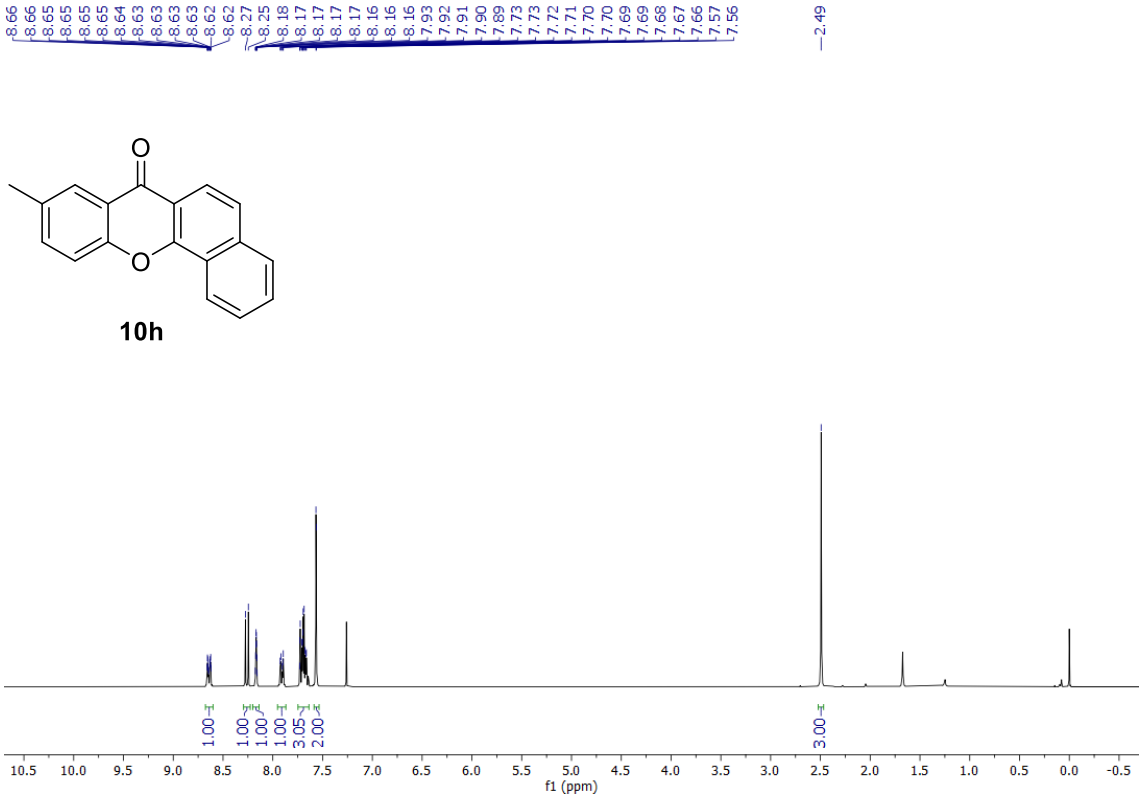


Figure S15. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10h**.

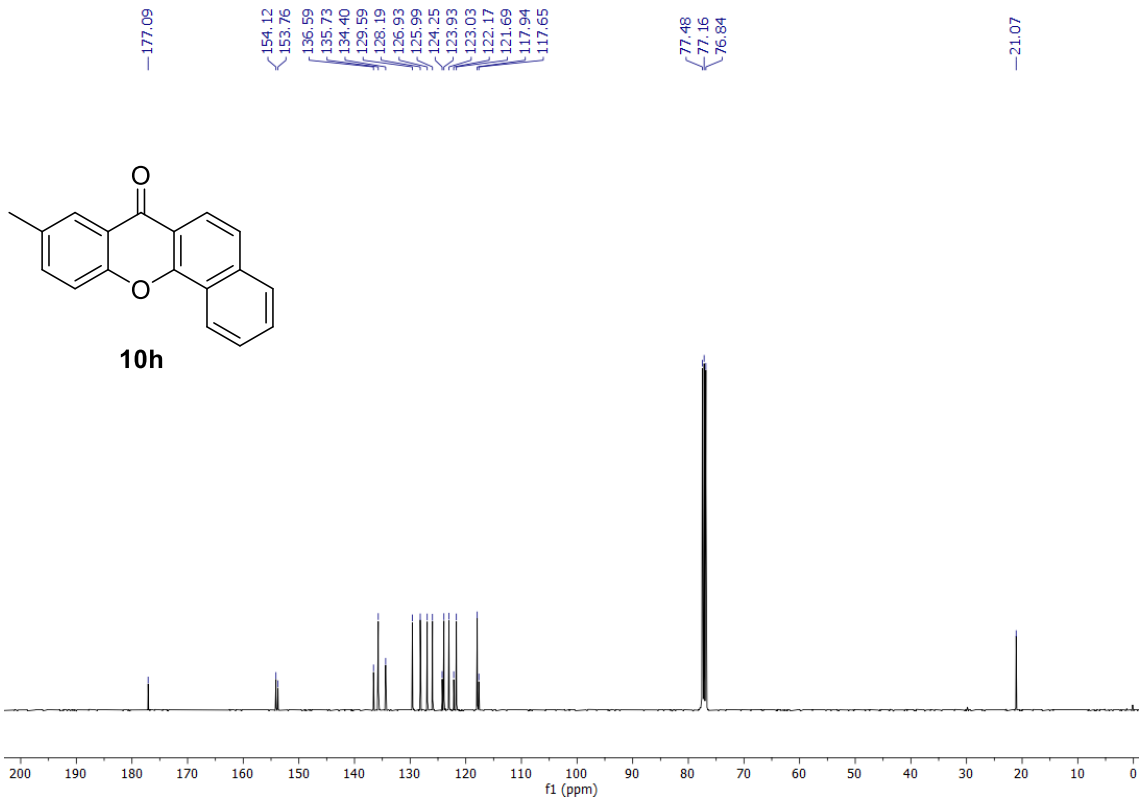


Figure S16. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **10h**.

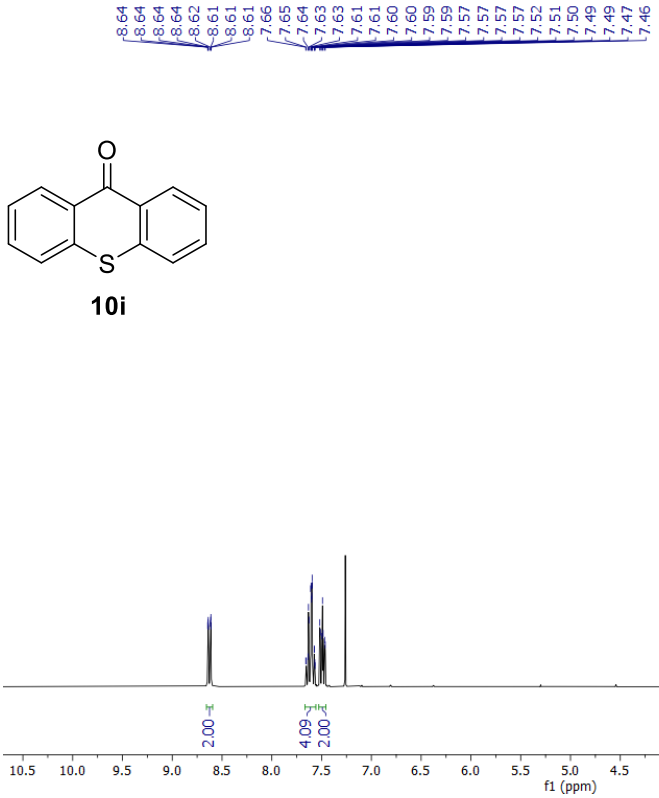


Figure S17. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10i**.

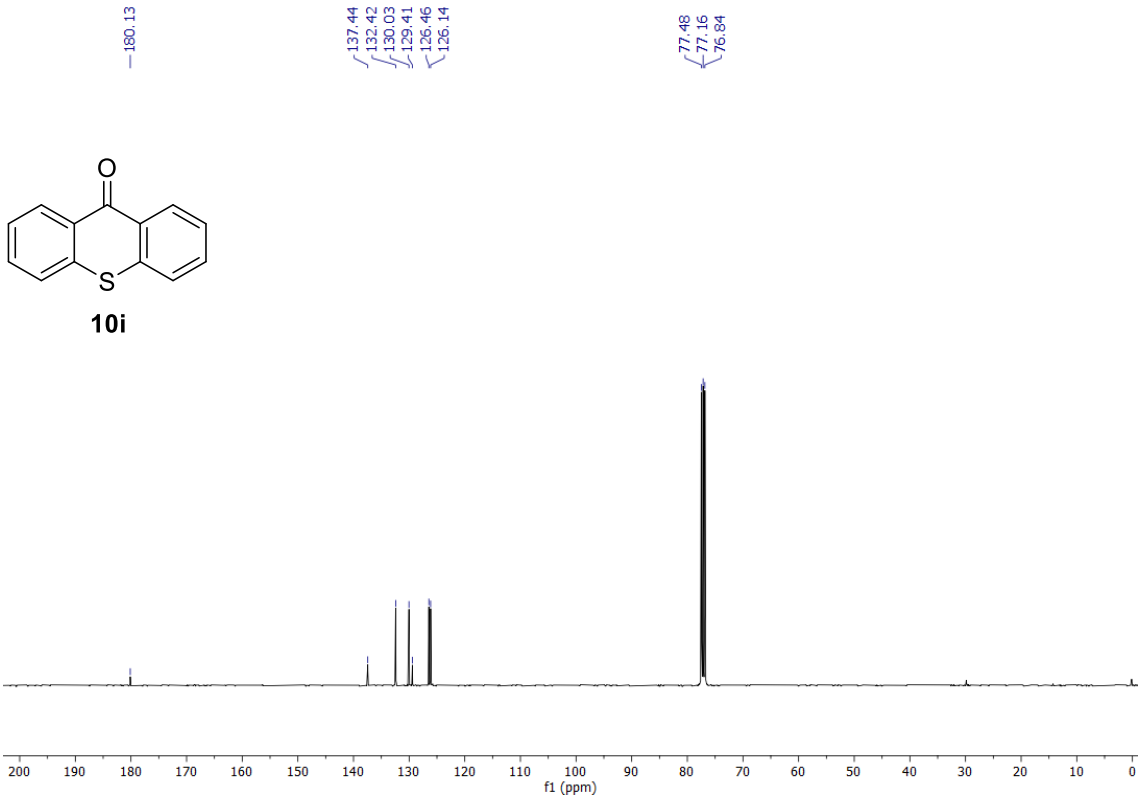


Figure S18. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **10i**.

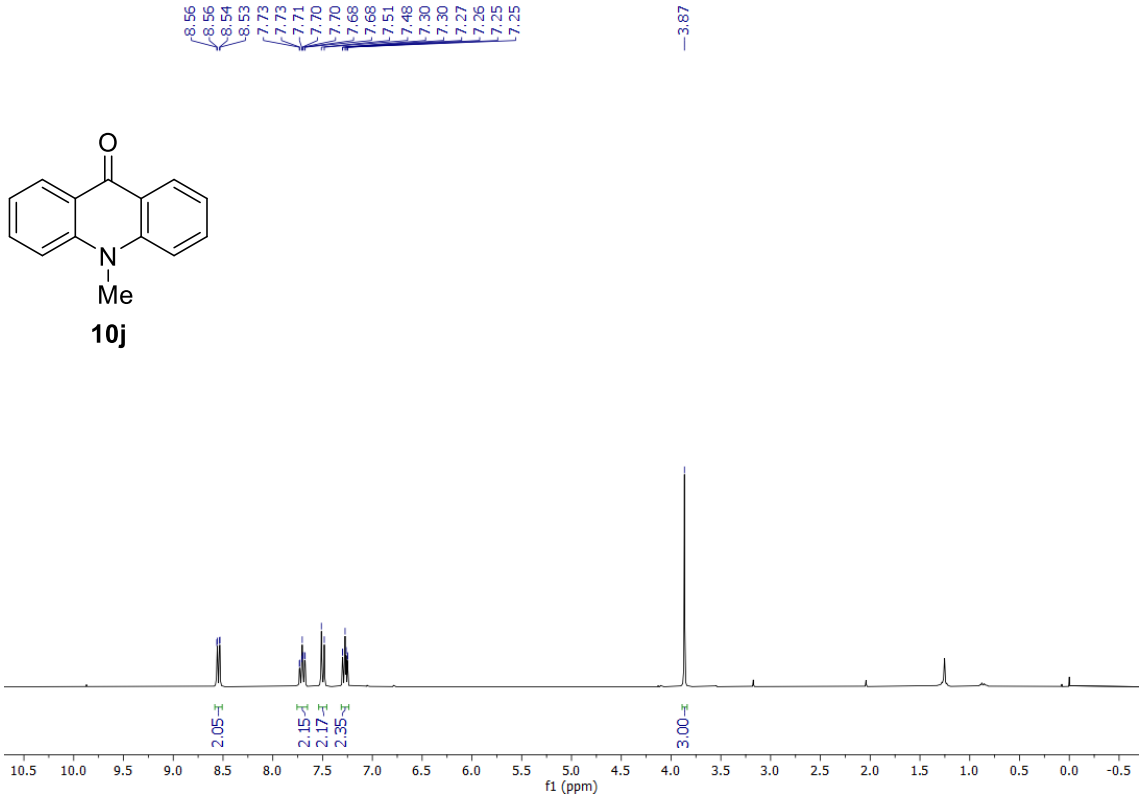


Figure S19. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10j**.

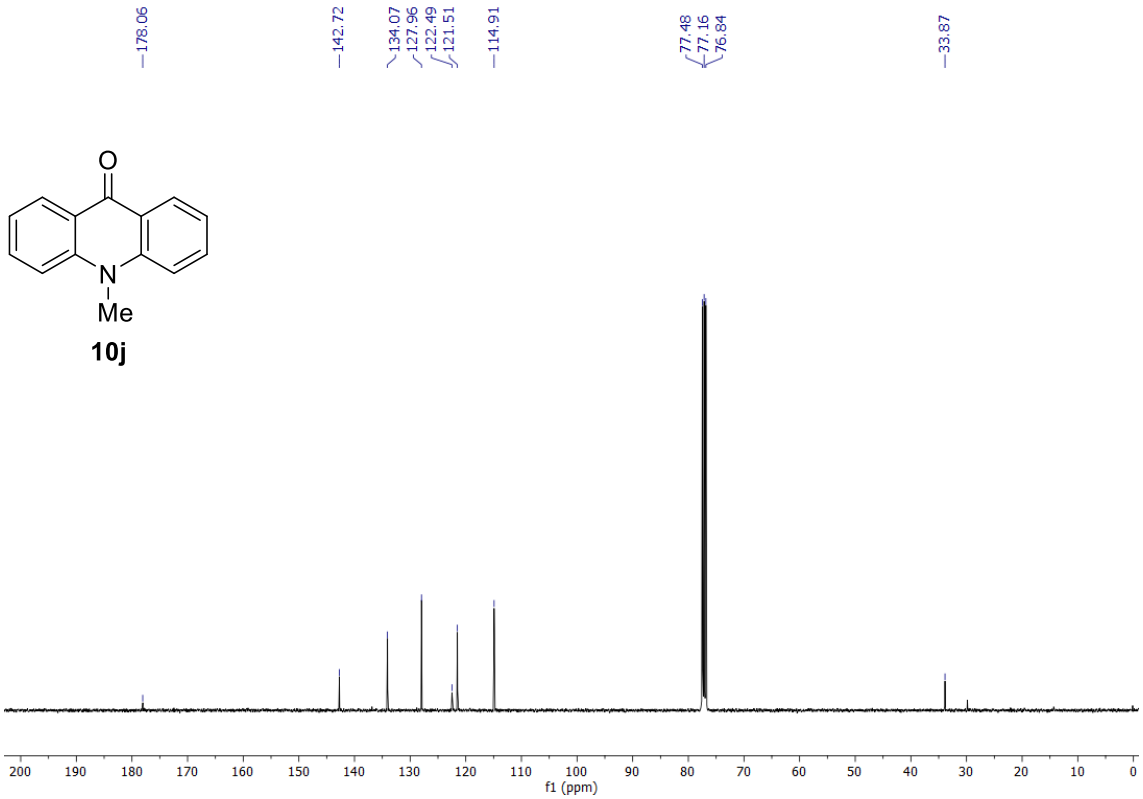


Figure S20. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **10j**.

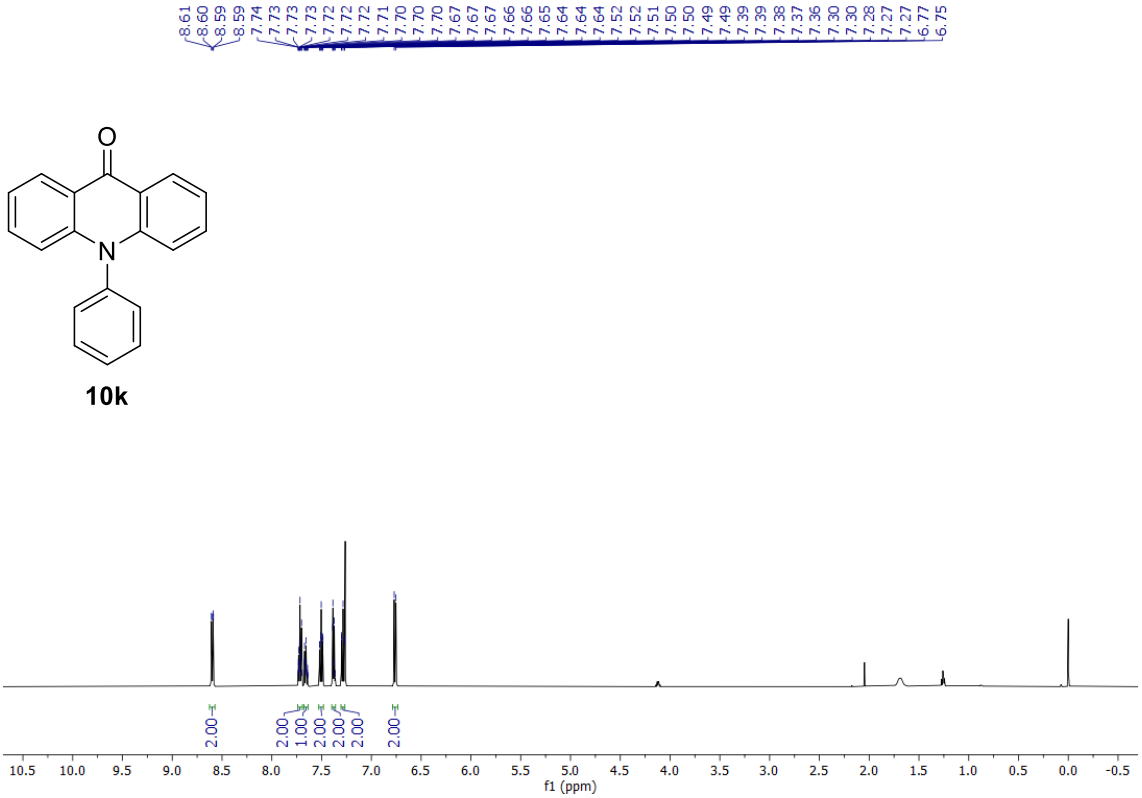


Figure S21. ^{1}H NMR spectrum ($CDCl_3$, 500 MHz) of compound **10k**.

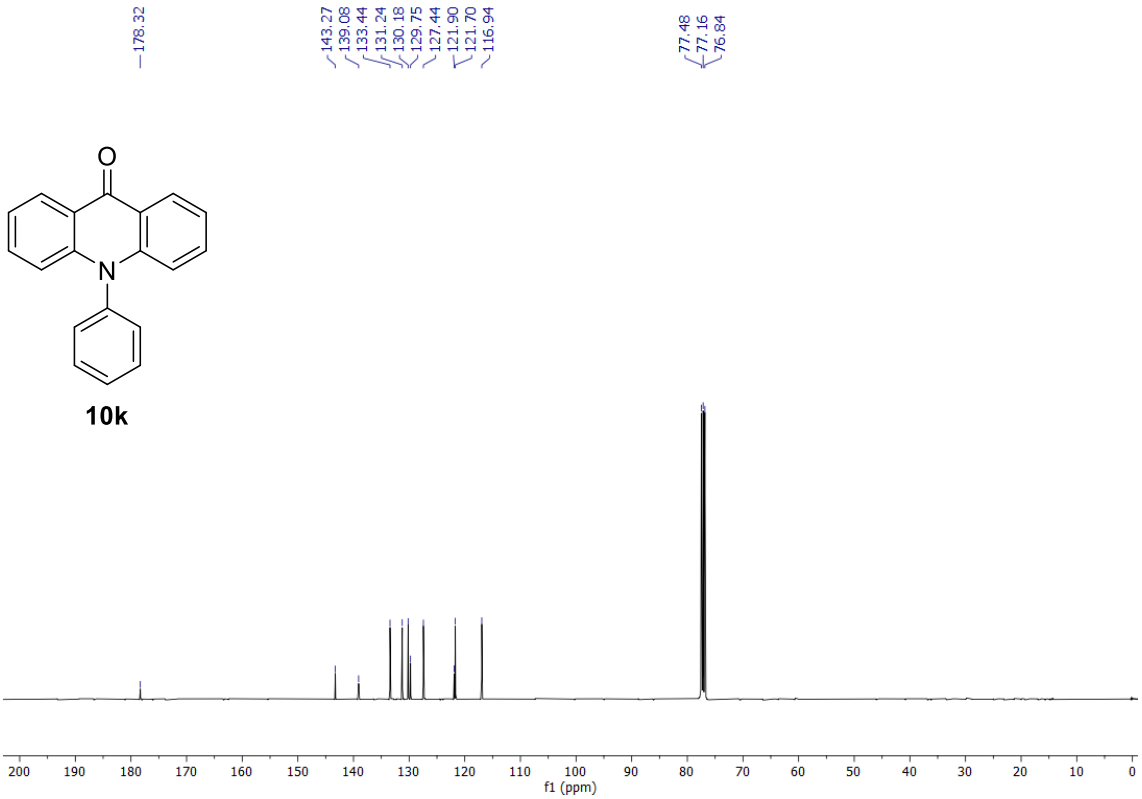


Figure S22. ^{13}C NMR spectrum ($CDCl_3$, 125 MHz) of compound **10k**.

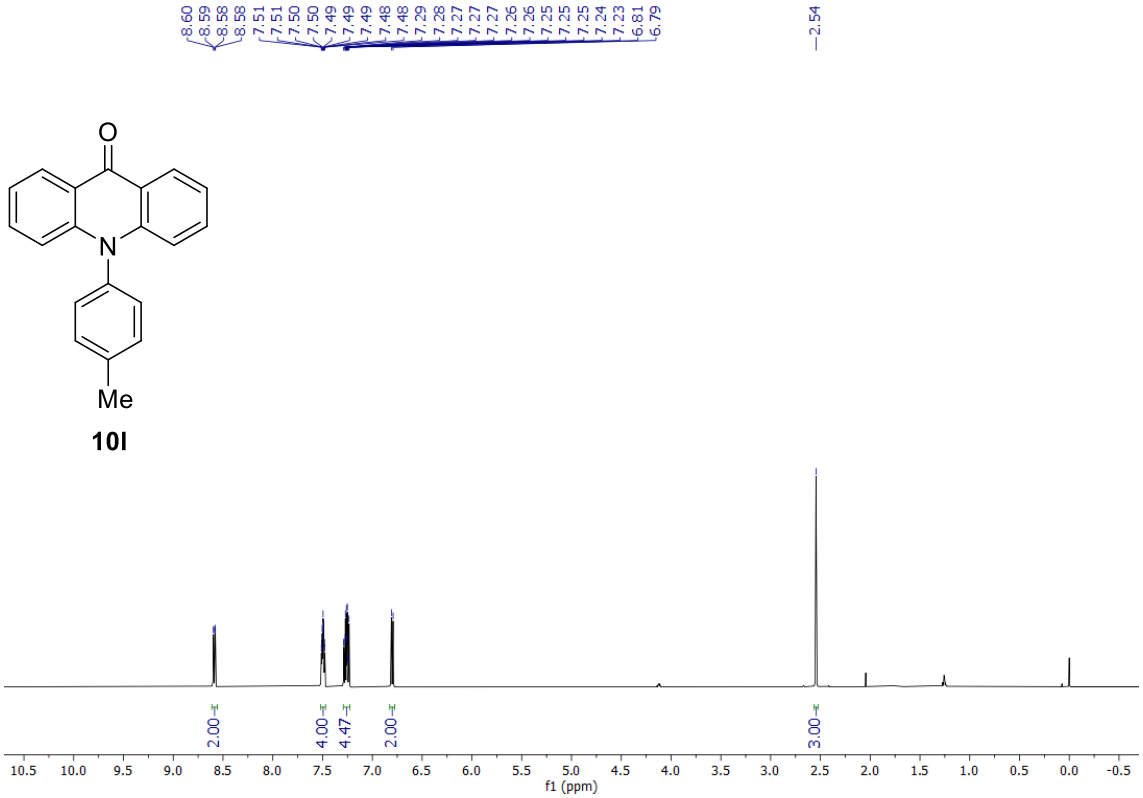


Figure S23. ^{1}H NMR spectrum ($CDCl_3$, 500 MHz) of compound **10l**.

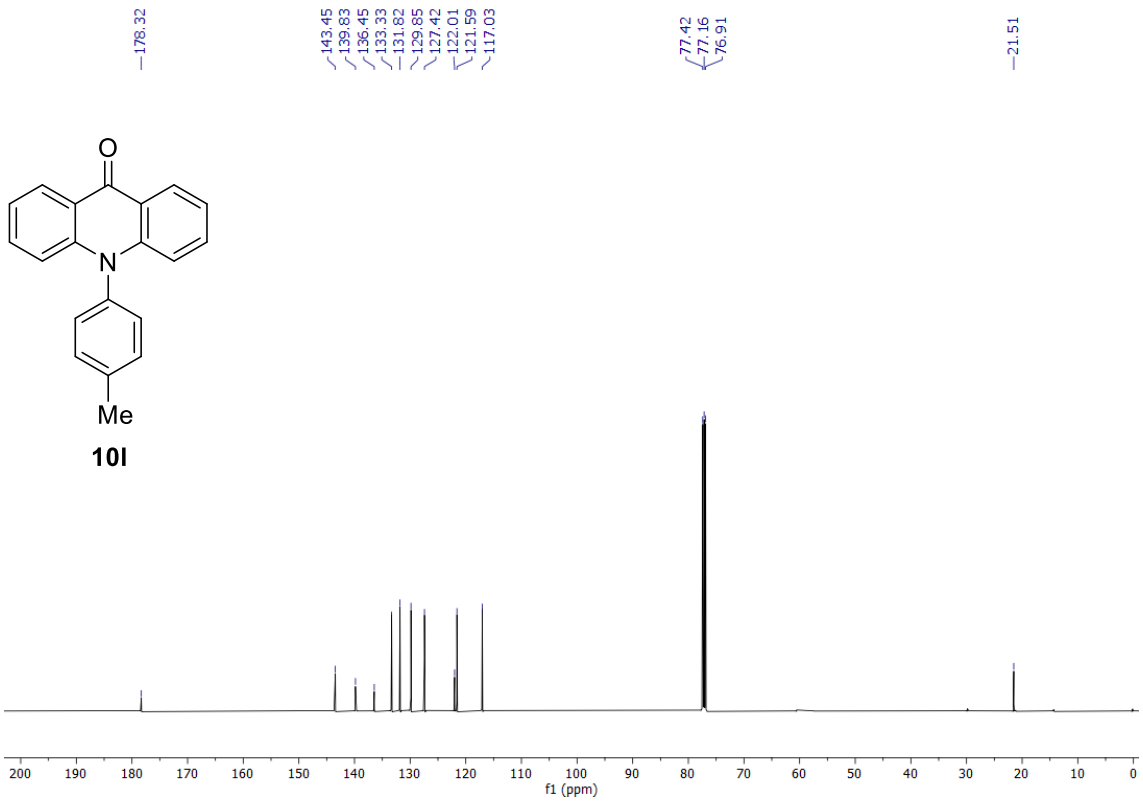


Figure S24. ^{13}C NMR spectrum ($CDCl_3$, 125 MHz) of compound **10l**.

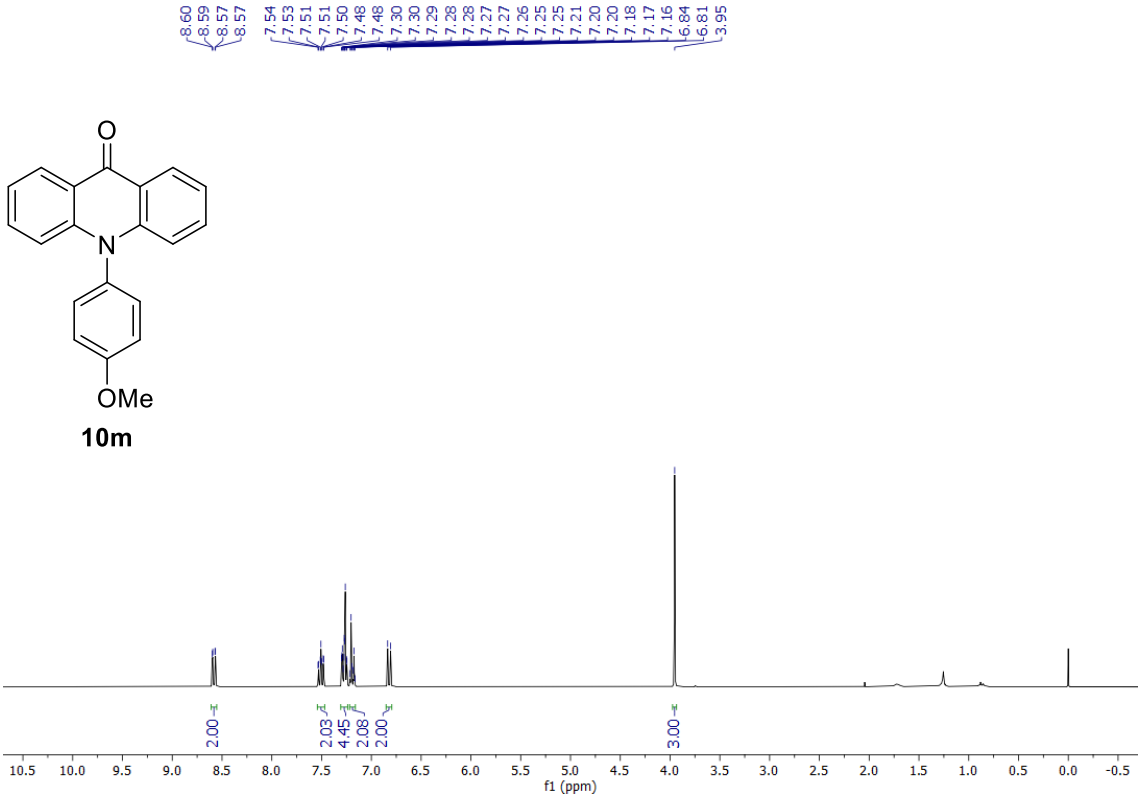


Figure S25. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10m**.

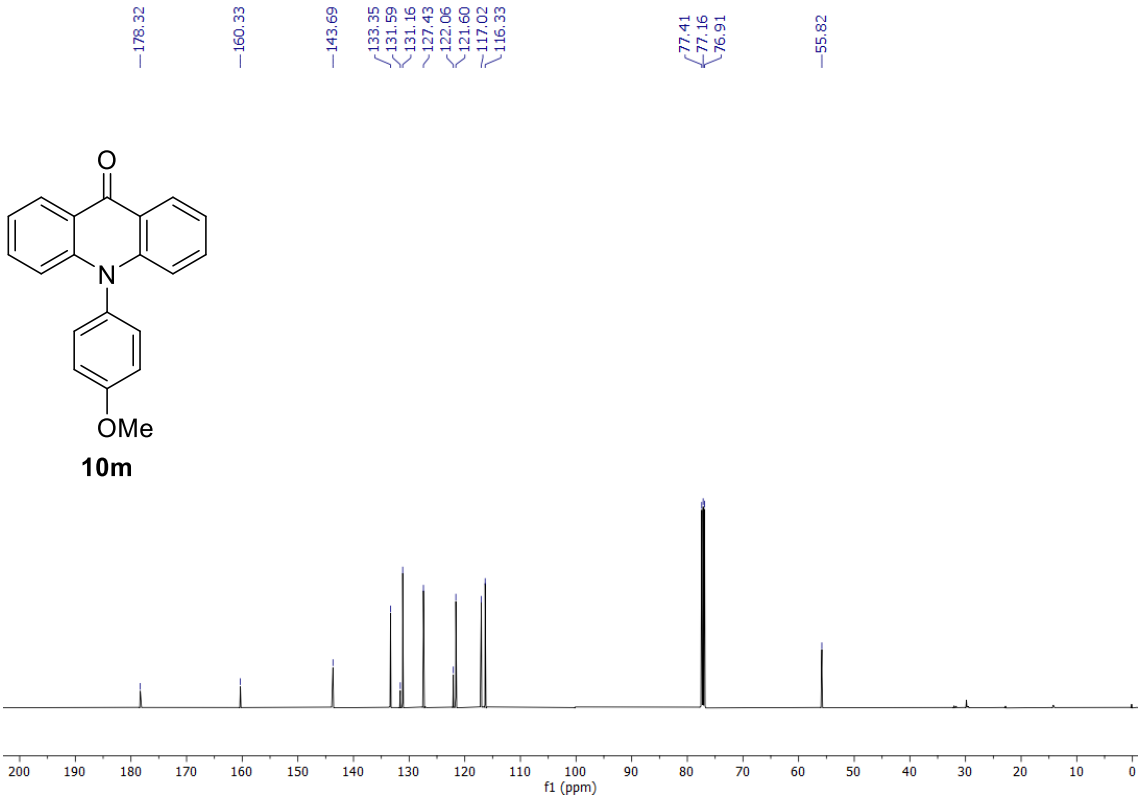


Figure S26. ^{13}C NMR spectrum ($CDCl_3$, 125 MHz) of compound **10m**.

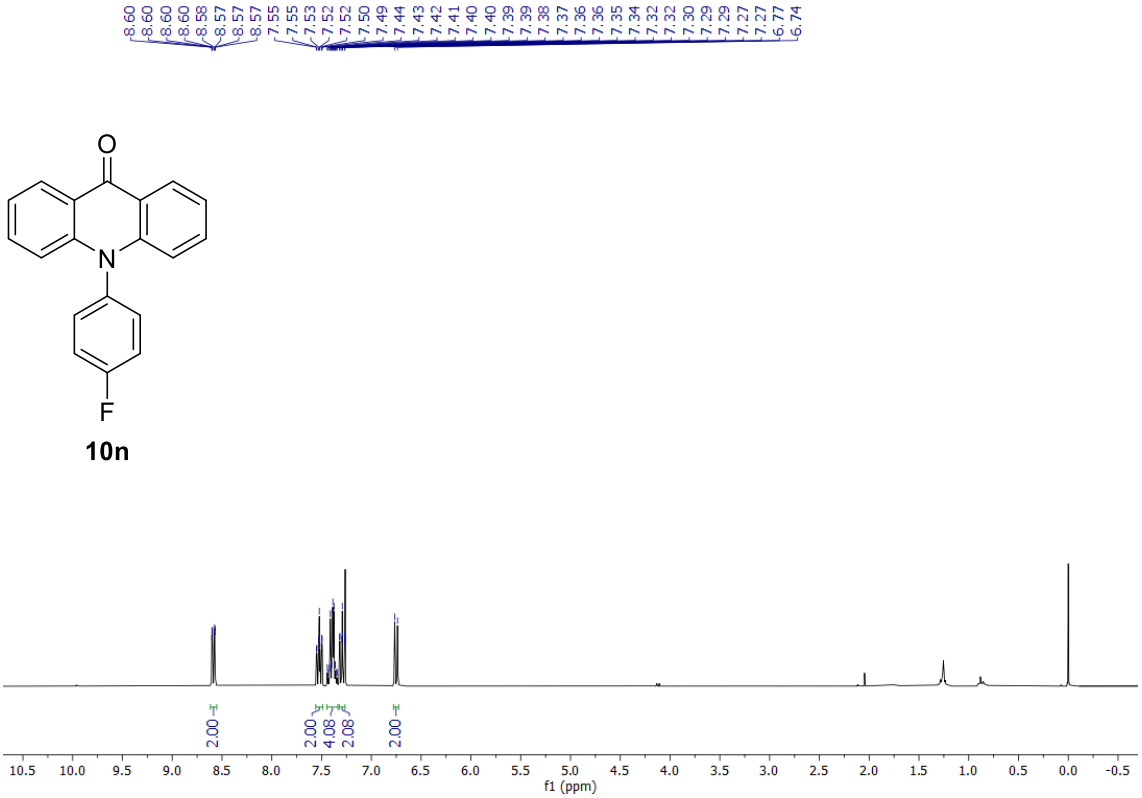


Figure S27. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10n**.

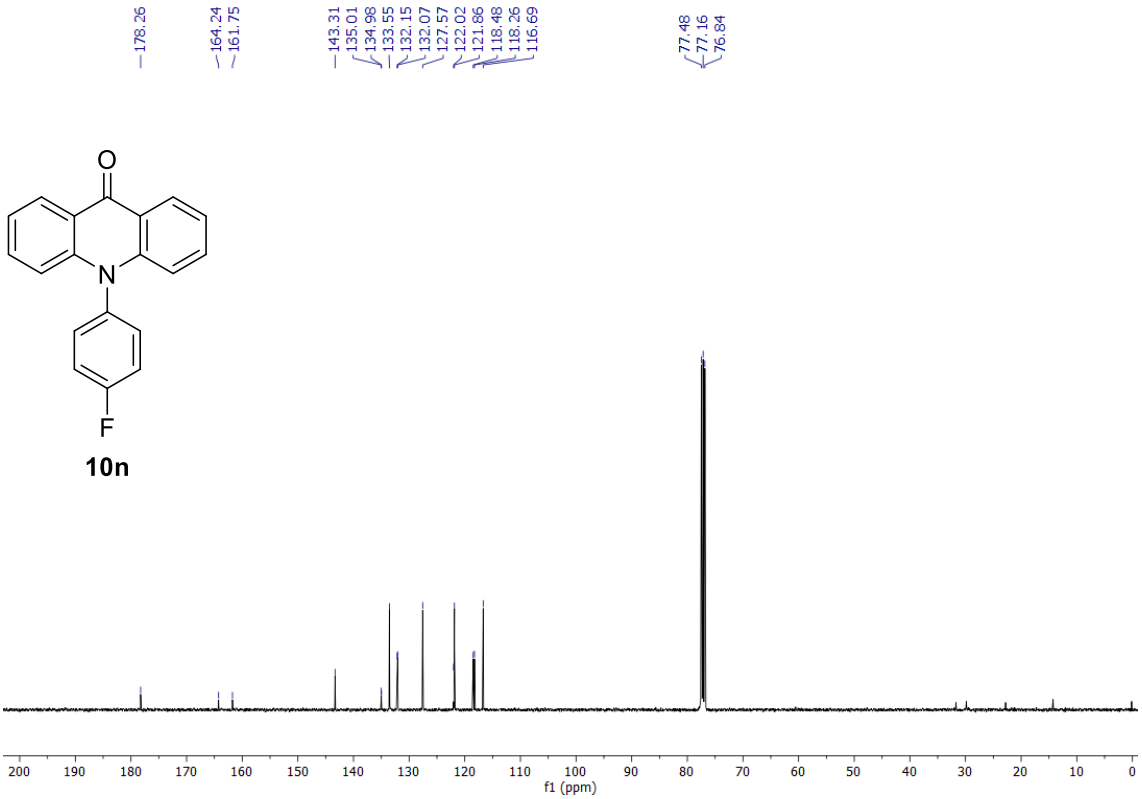


Figure S28. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **10n**.

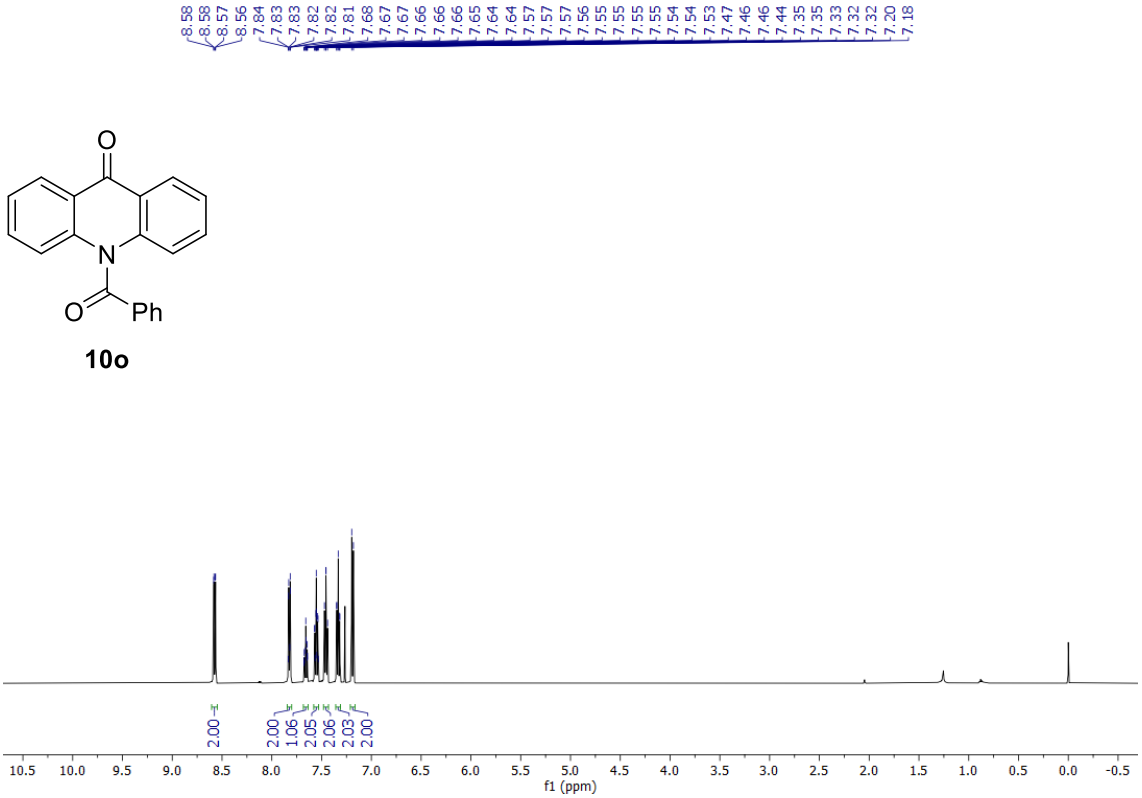


Figure S29. ^{1}H NMR spectrum ($CDCl_3$, 500 MHz) of compound **10o**.

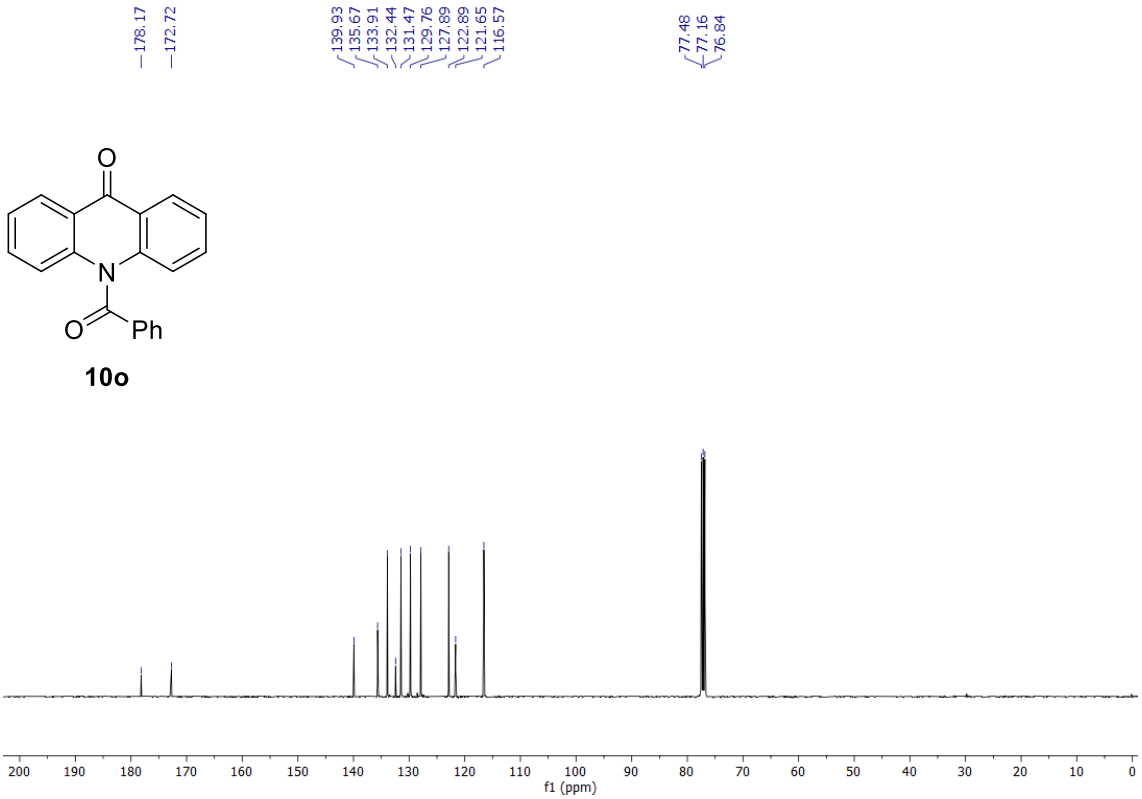


Figure S30. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **10o**.

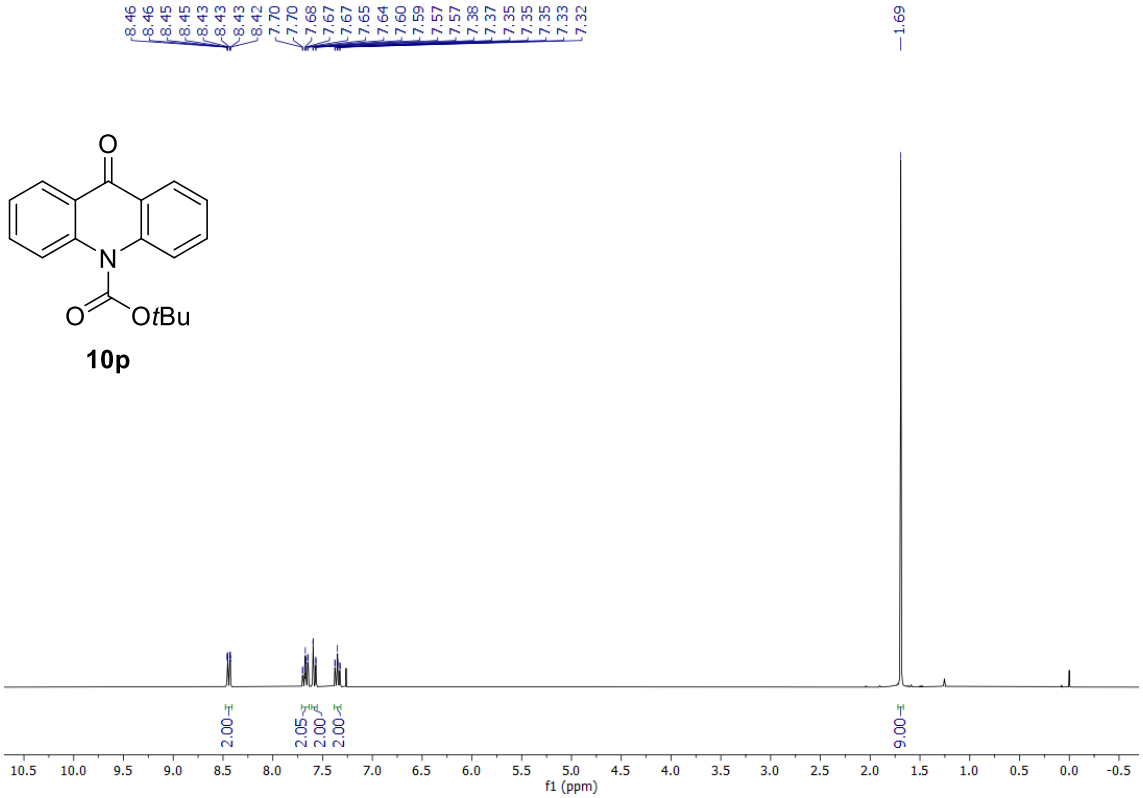


Figure S31. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **10p**.

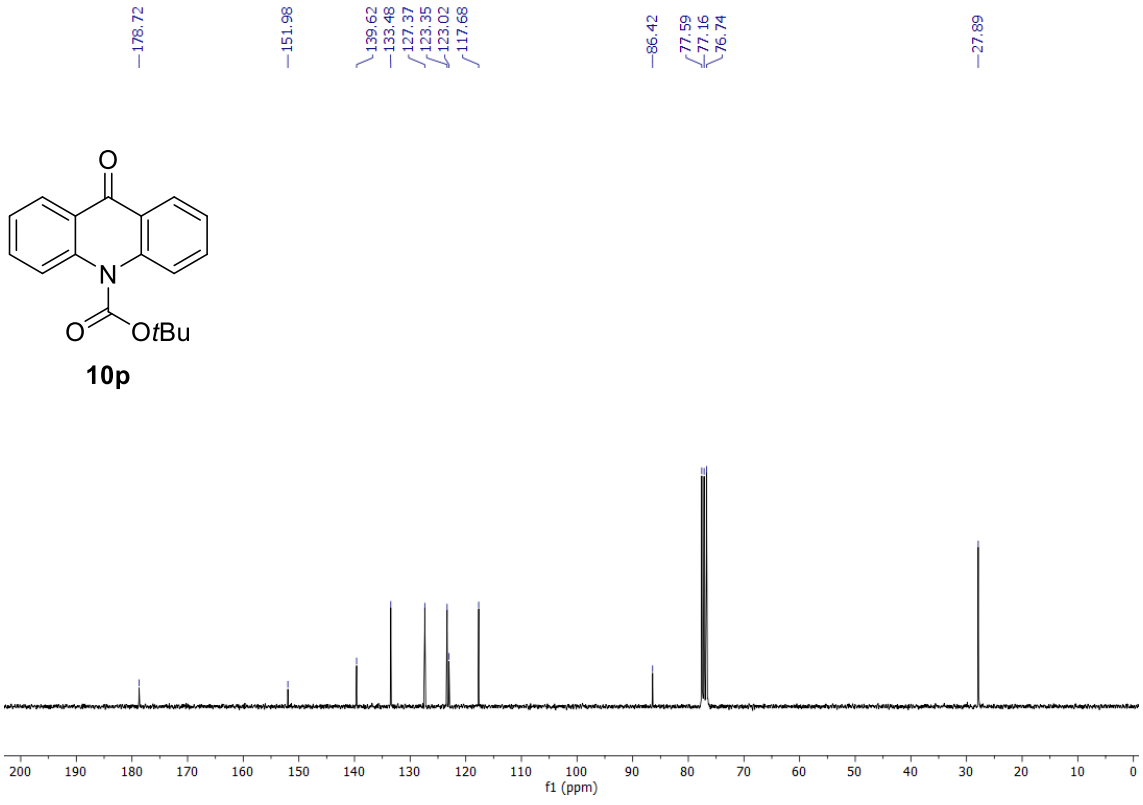


Figure S32. ^{13}C NMR spectrum ($CDCl_3$, 75 MHz) of compound **10p**.

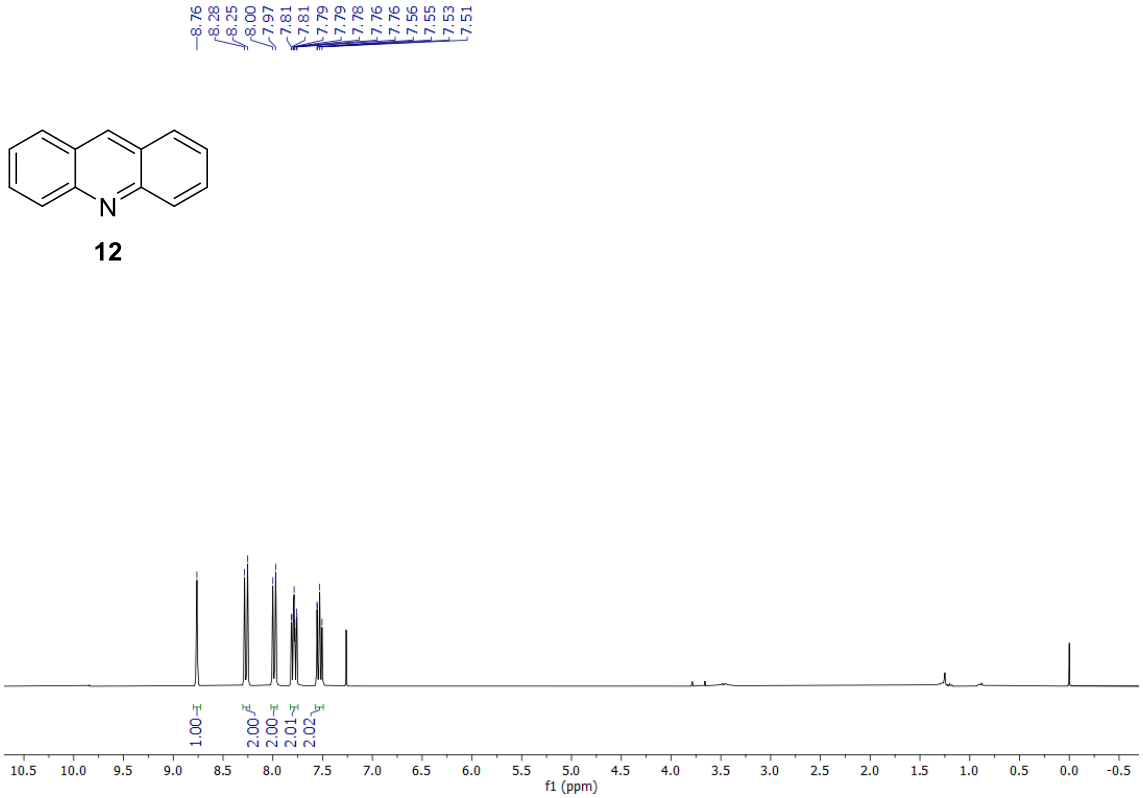


Figure S33. ^{1}H NMR spectrum ($CDCl_3$, 300 MHz) of compound **12**.

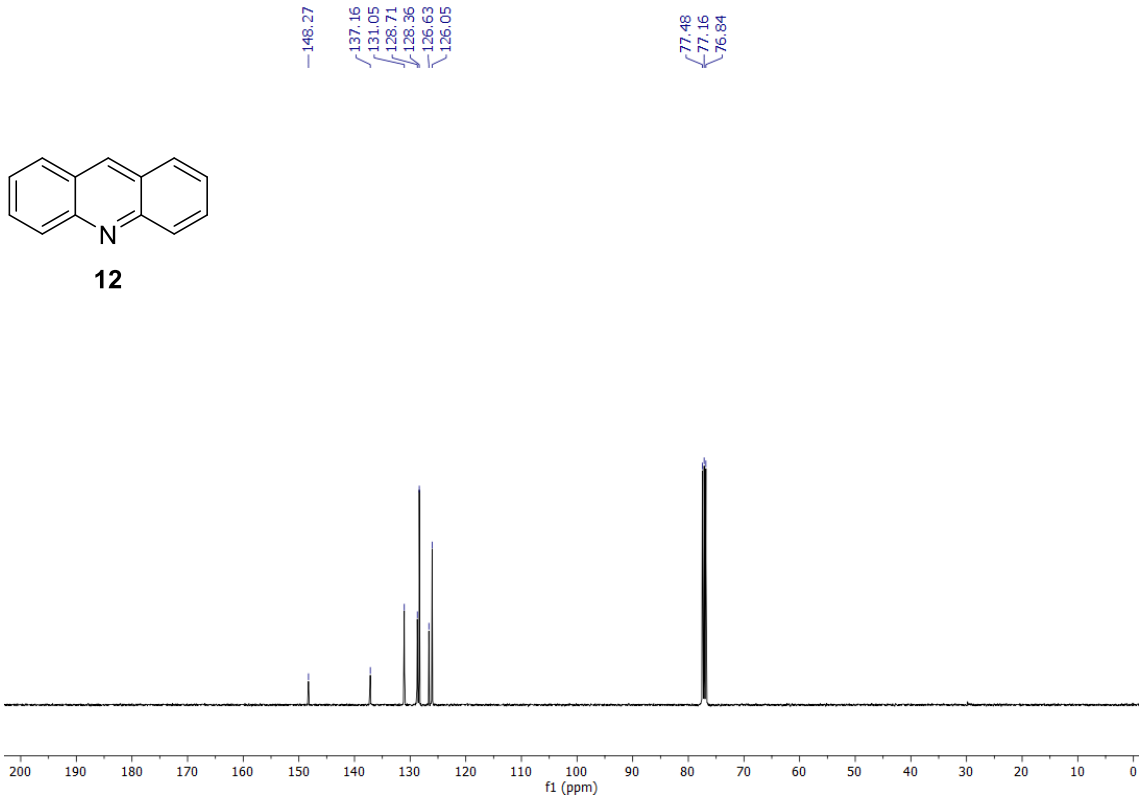


Figure S34. ^{13}C NMR spectrum ($CDCl_3$, 101 MHz) of compound **12**.

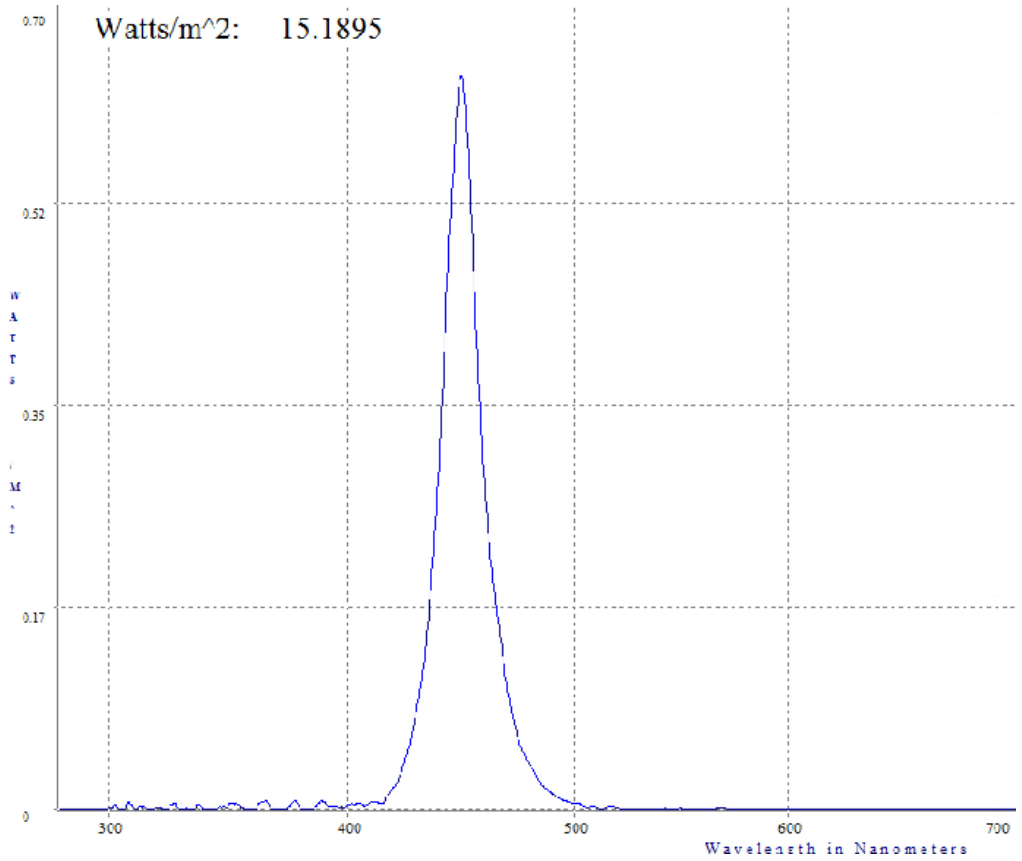


Figure S35. Emission spectrum of the Evoluchem™ CREE XPE 450-455 nm 18W LED (HCK1012-01-002).

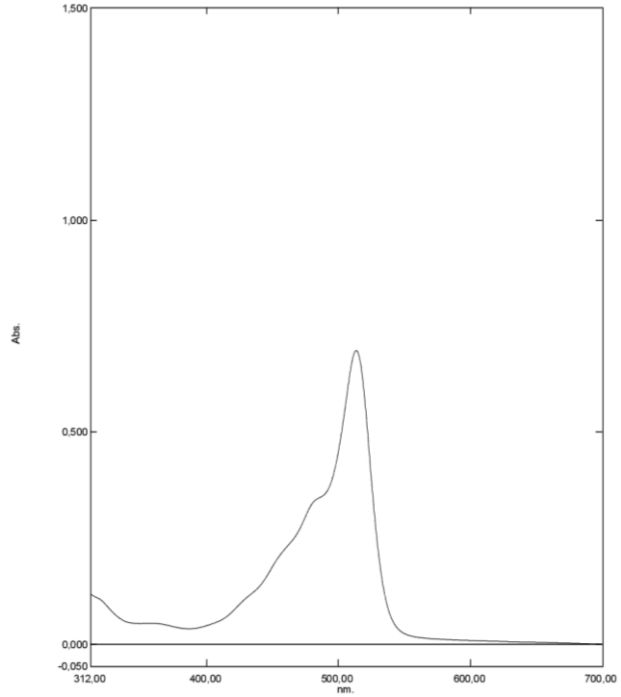


Figure S36. Absorbance UV-Vis spectrum of compound **1** (MeCN, $6.7 \cdot 10^{-4}$M).

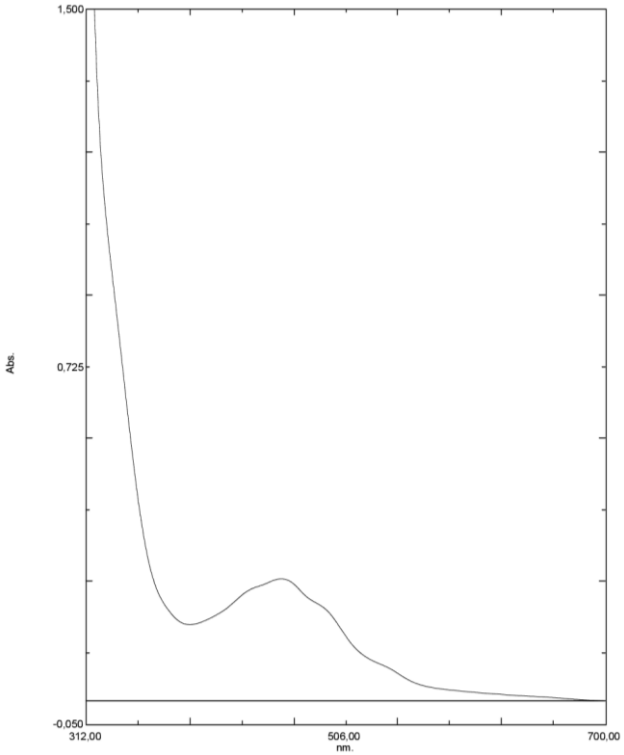


Figure S37. Absorbance UV-Vis spectrum of compound **2** (MeCN, $6.7 \cdot 10^{-4}$M).

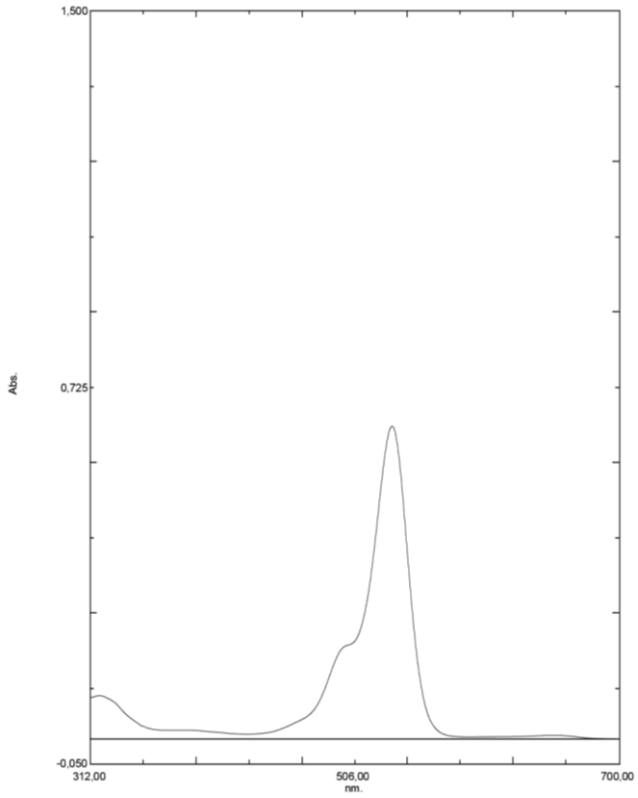


Figure S38. Absorbance UV-Vis spectrum of compound **3** (MeCN, $2.5 \cdot 10^{-5}$M).

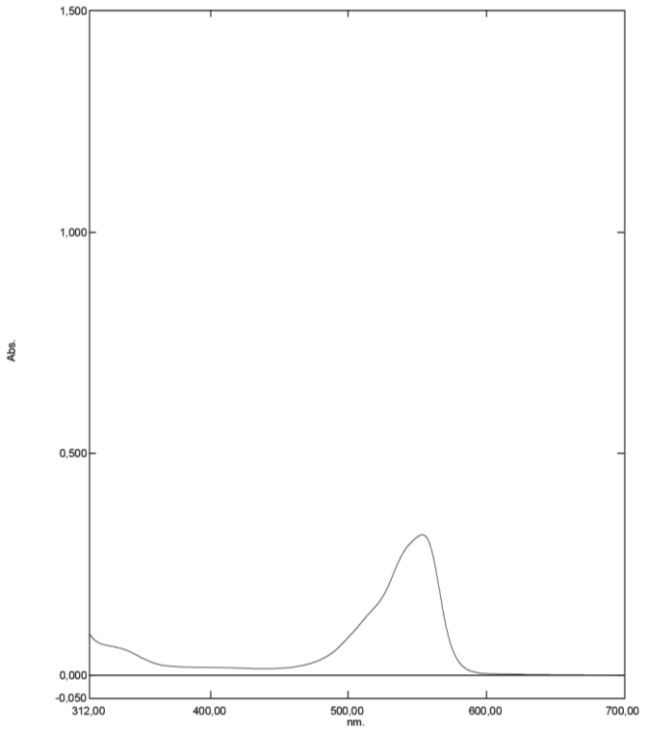


Figure S39. Absorbance UV-Vis spectrum of compound **4** (MeCN, $2.5 \cdot 10^{-5}$M).

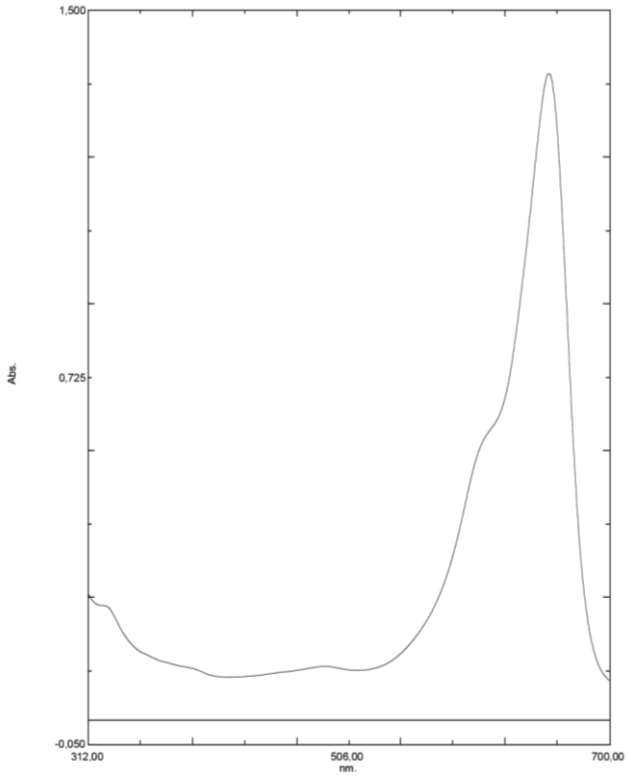


Figure S40. Absorbance UV-Vis spectrum of compound **5** (MeCN, $2.5 \cdot 10^{-5}$M).

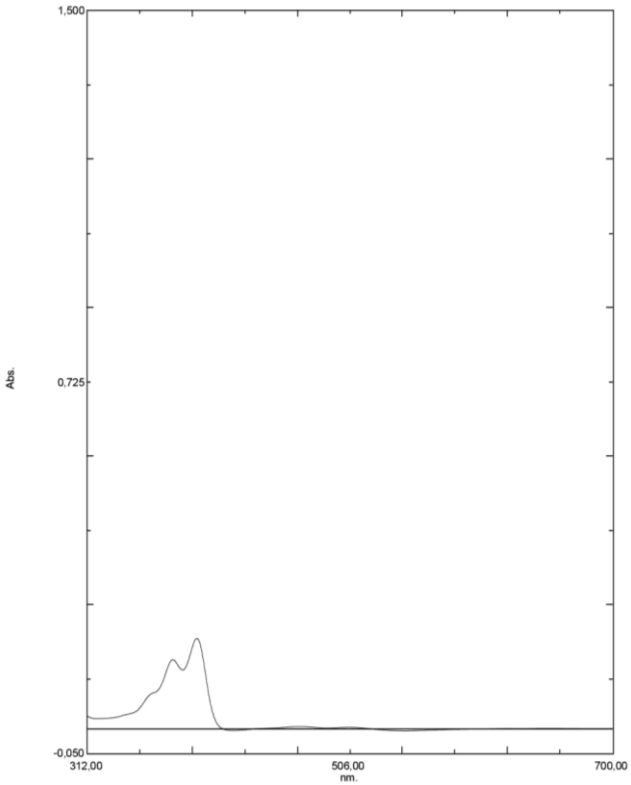


Figure S41. Absorbance UV-Vis spectrum of compound **6** (MeCN, $2.5 \cdot 10^{-5}$M).

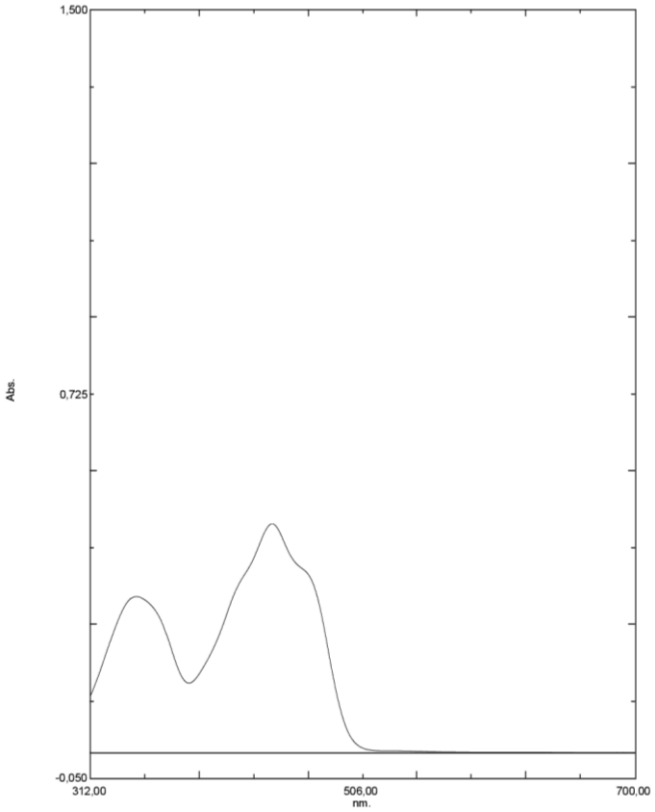


Figure S42. Absorbance UV-Vis spectrum of compound **7** (MeCN, $2.5 \cdot 10^{-5}$M).

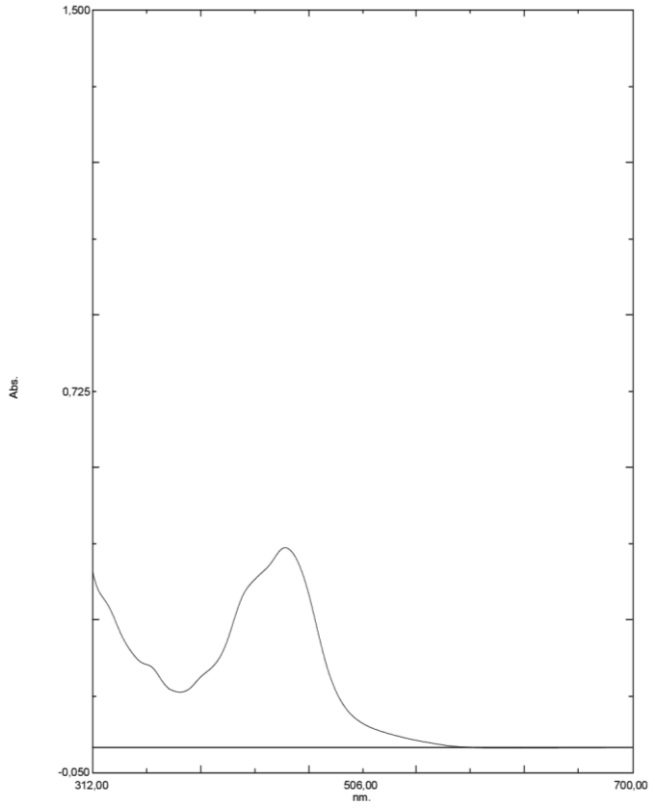


Figure S43. Absorbance UV-Vis spectrum of compound **8** (MeCN, $2.5 \cdot 10^{-5}$M).