

Biphenyl derivatives containing trimethylsilyl benzyl ether or oxime groups as probes for NO₂ detection

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Supporting information

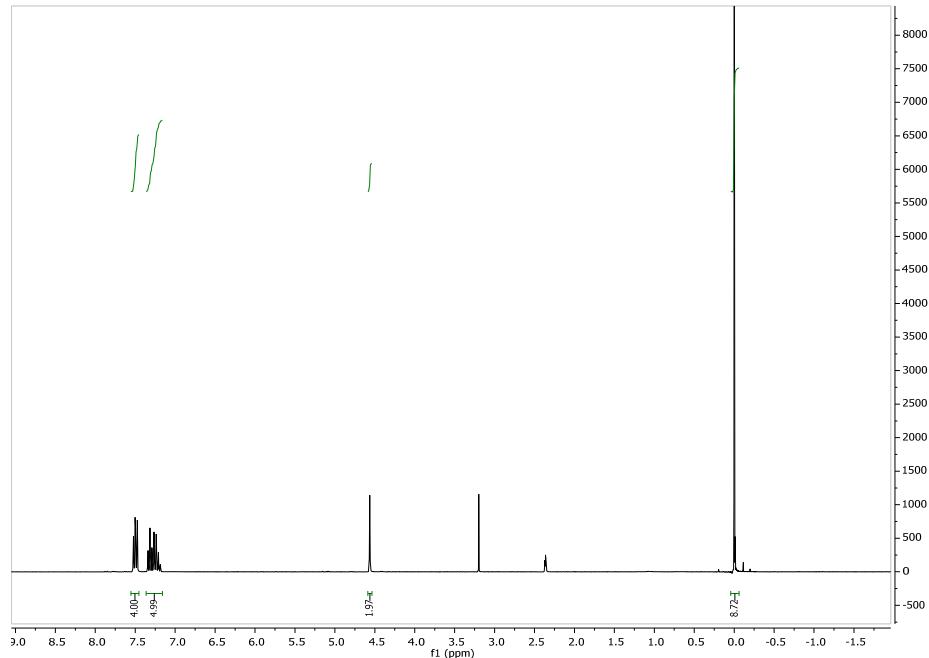


Figure S.1. ^1H NMR spectrum of **P1** in DMSO.

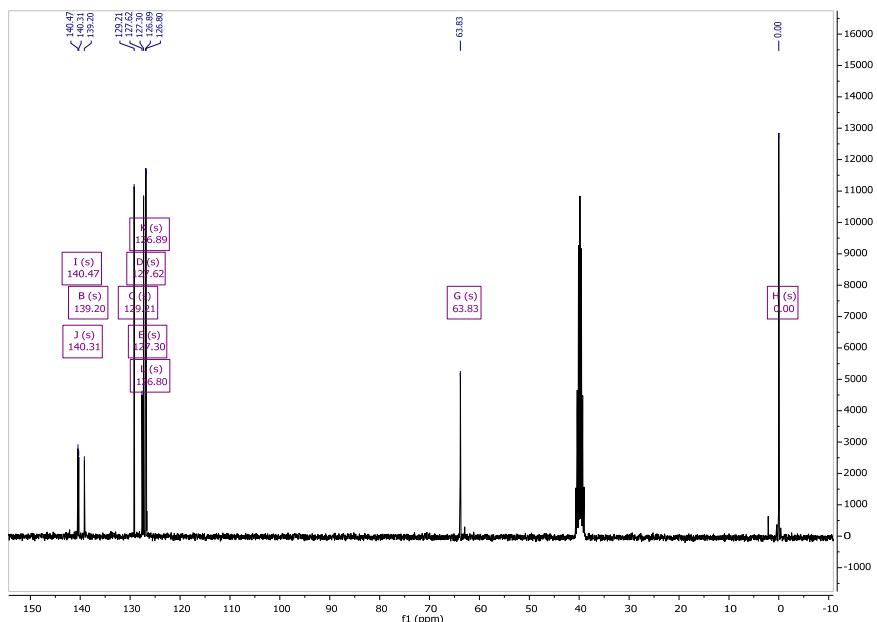


Figure S.2. ^{13}C NMR spectrum of P1 in DMSO.

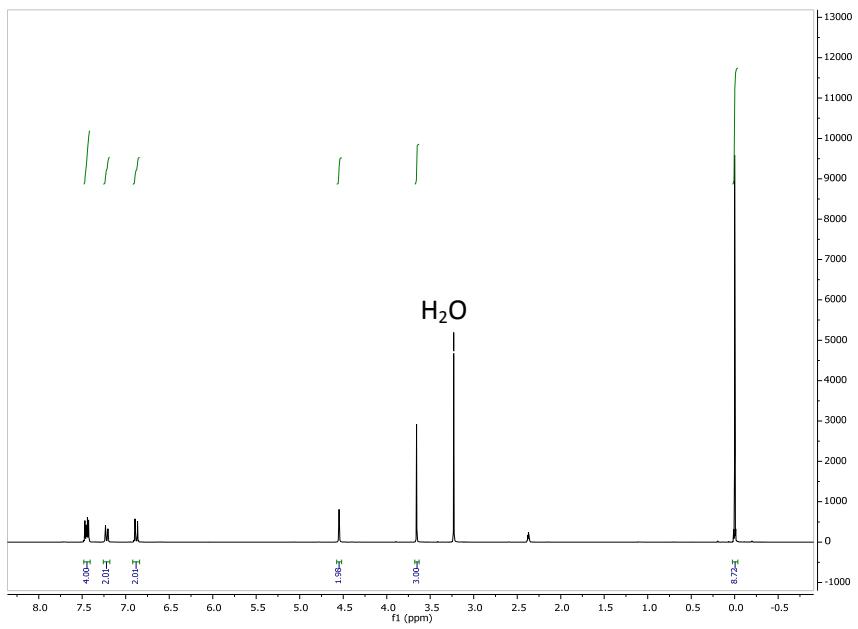


Figure S.3. ^1H NMR spectrum of P2 in DMSO.

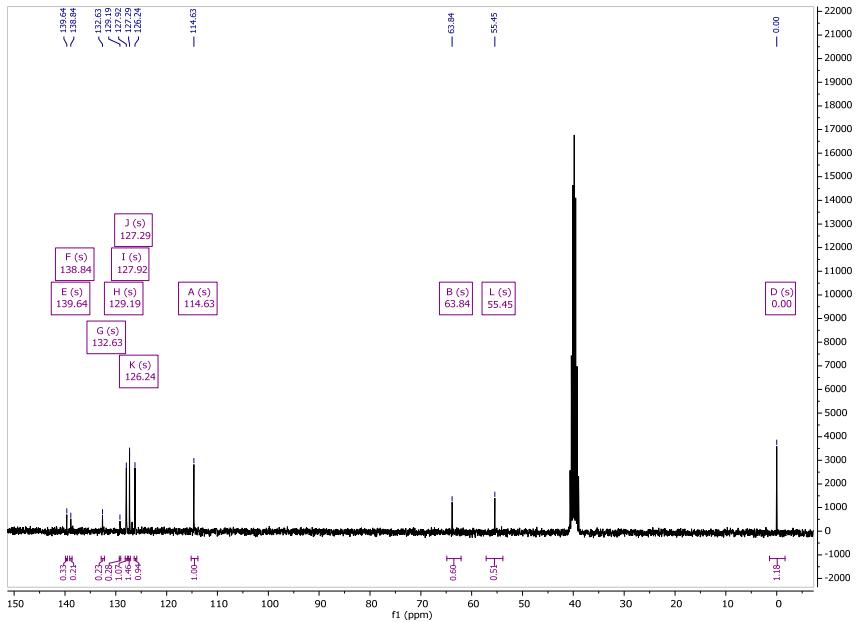


Figure S.4. ^{13}C NMR spectrum of P2 in DMSO.

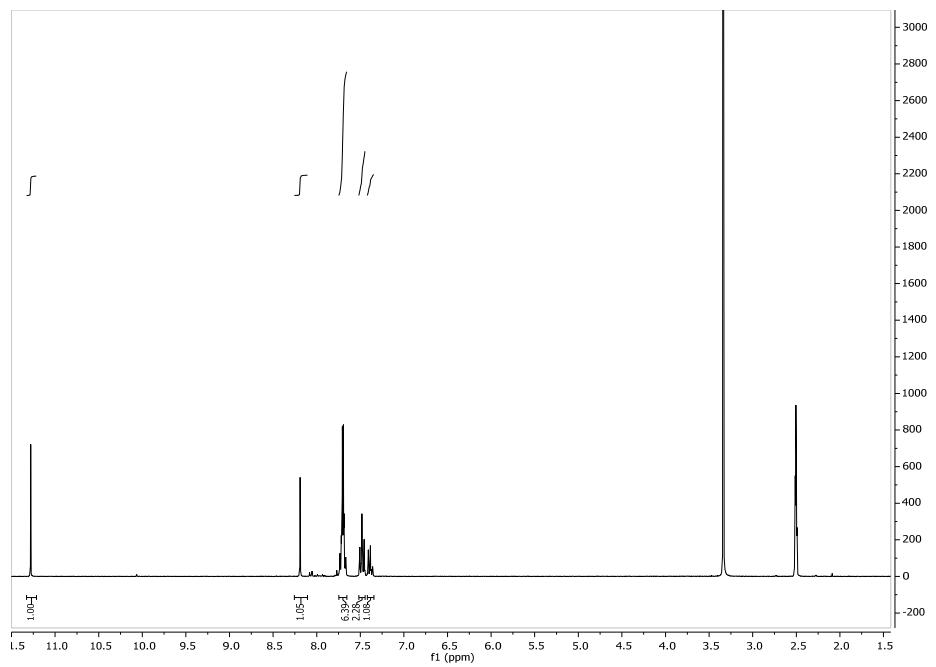


Figure S.5. ^1H NMR spectrum of P3 in DMSO.

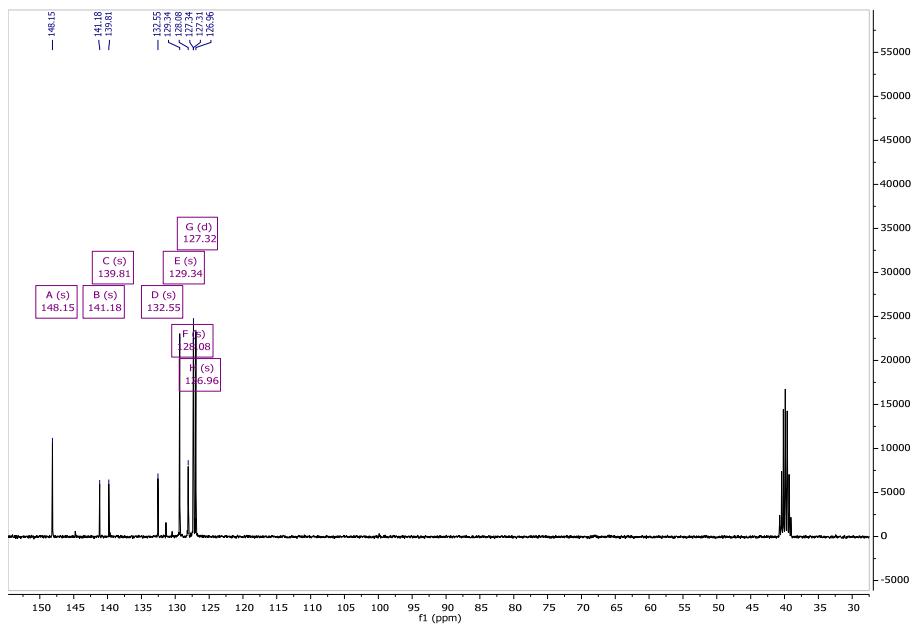


Figure S.6. ^{13}C NMR spectrum of P3 in DMSO.

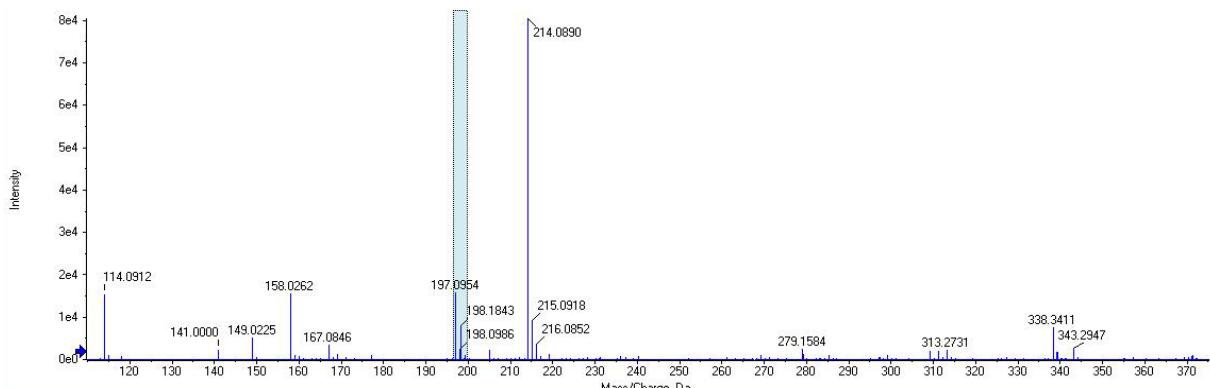


Figure S.7. HRMS of P3.

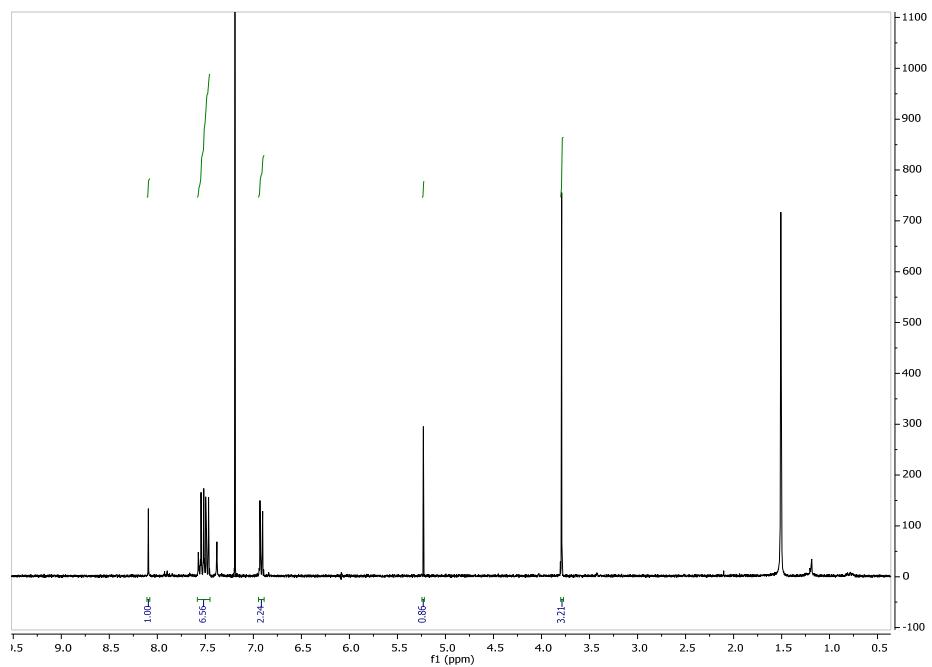


Figure S.8. ¹H NMR spectrum of P4 in CDCl₃.

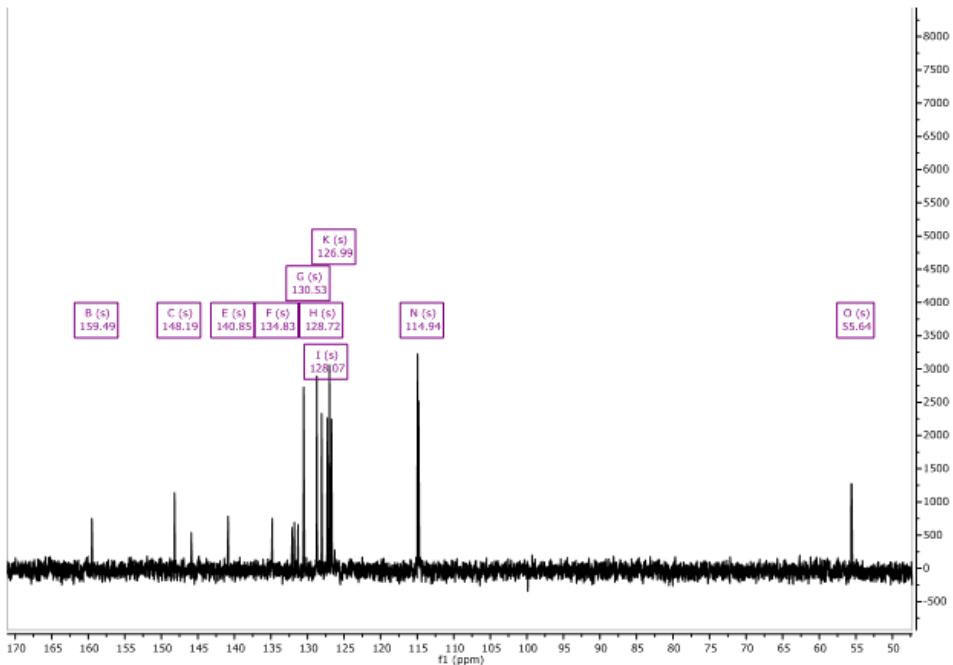


Figure S.9. ¹³C NMR spectrum of P4 in DMSO.

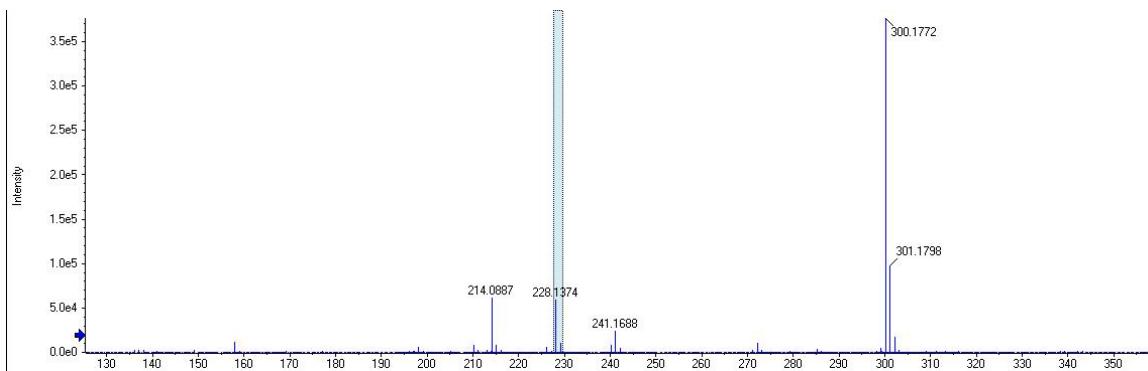


Figure S.10. HRMS of P4.

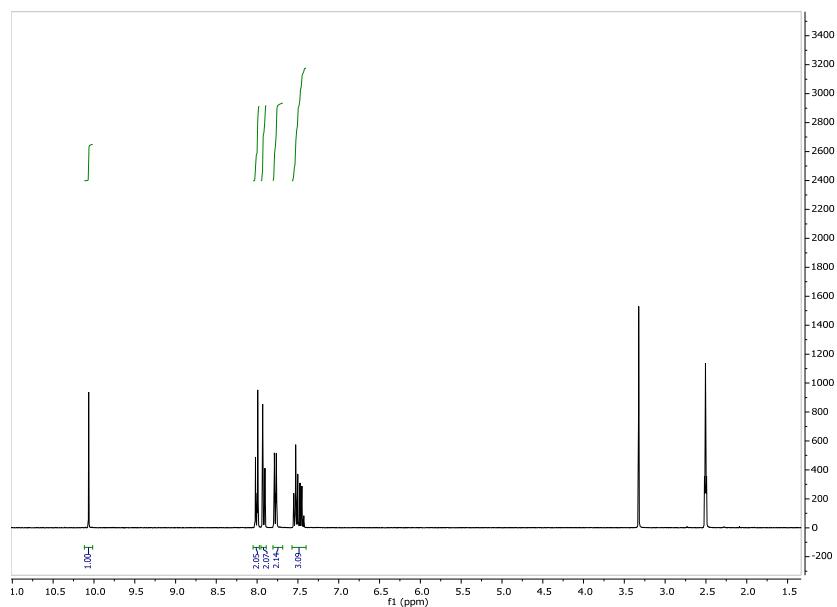


Figure S.11. ^1H NMR spectrum of **7** in DMSO

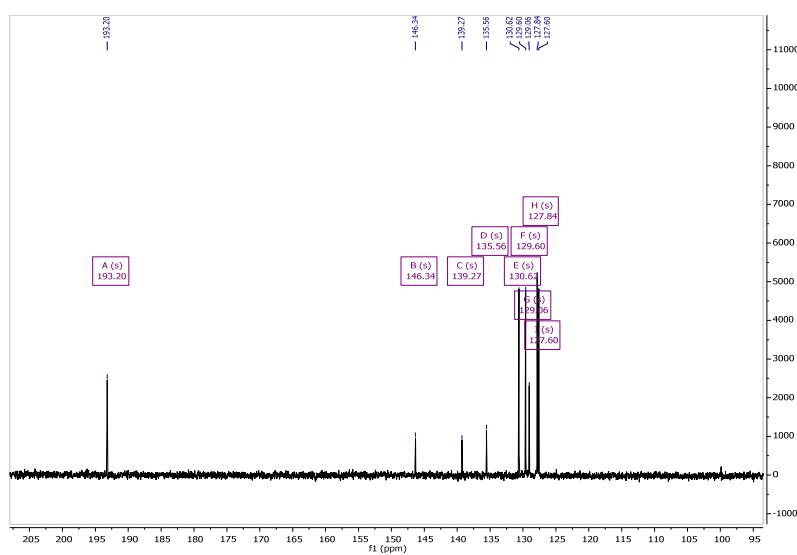


Figure S.12. ^{13}C NMR spectrum of **7** in DMSO.

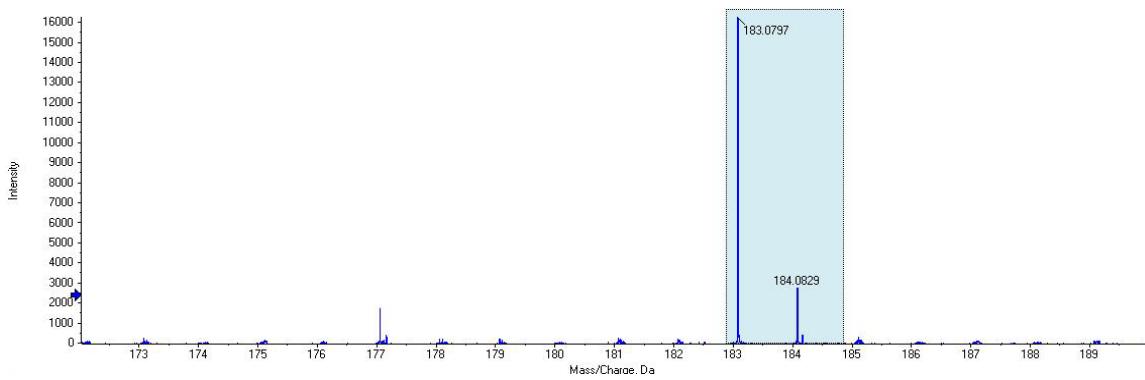


Figure S.13. HRMS of **7**.

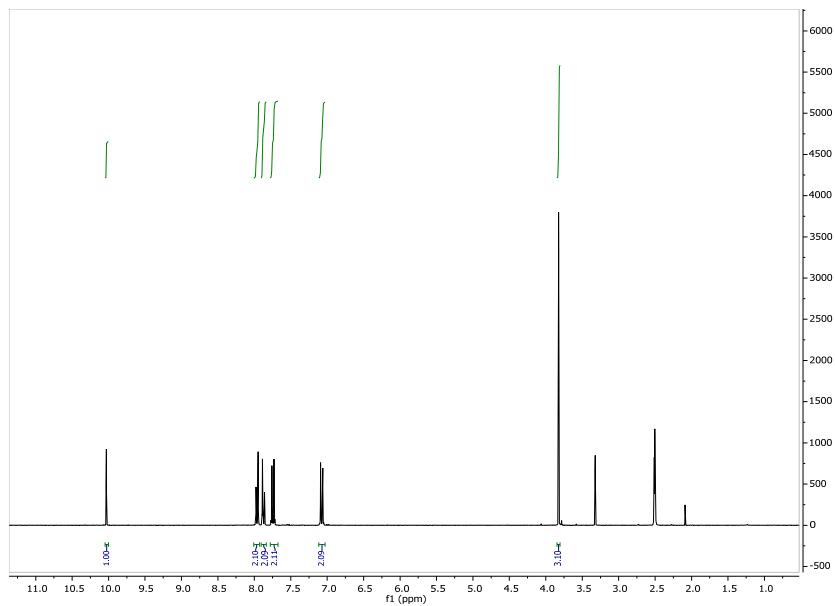


Figure S.14. ^1H NMR spectrum of **8** in DMSO.

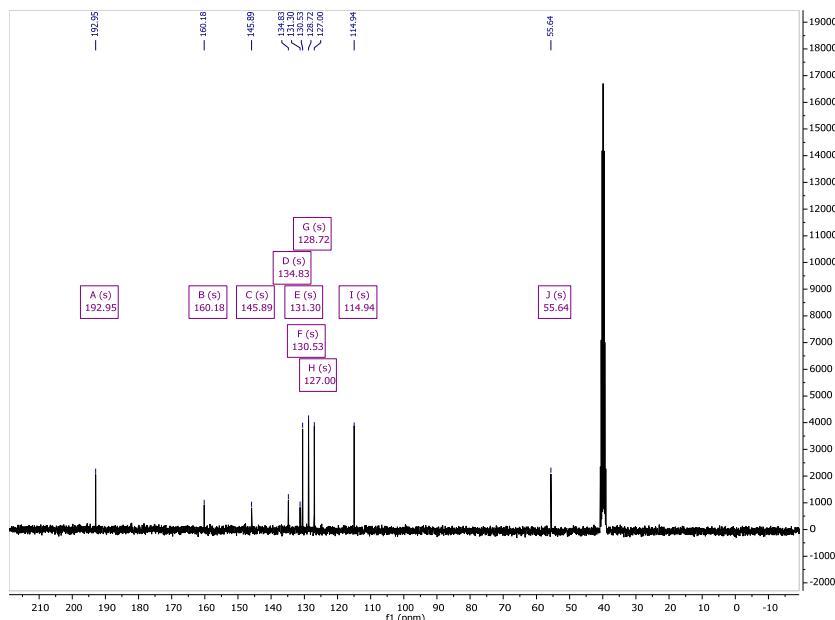


Figure S.15. ^{13}C NMR spectrum of **8** in DMSO.

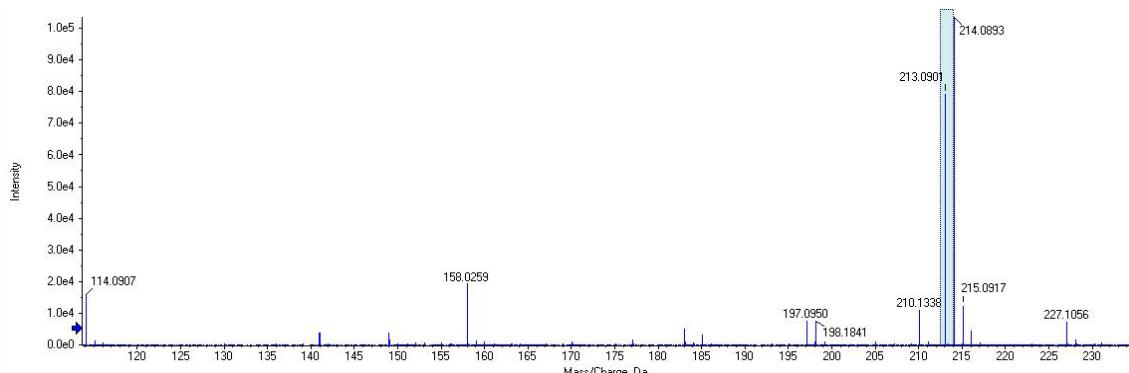


Figure S.16. HRMS of **8**.

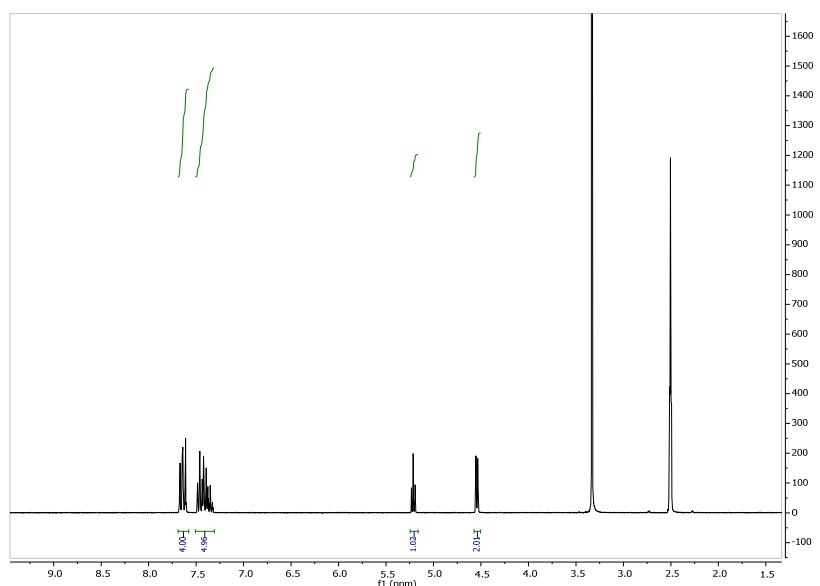


Figure S.17. ^1H NMR spectrum of **5** in DMSO.

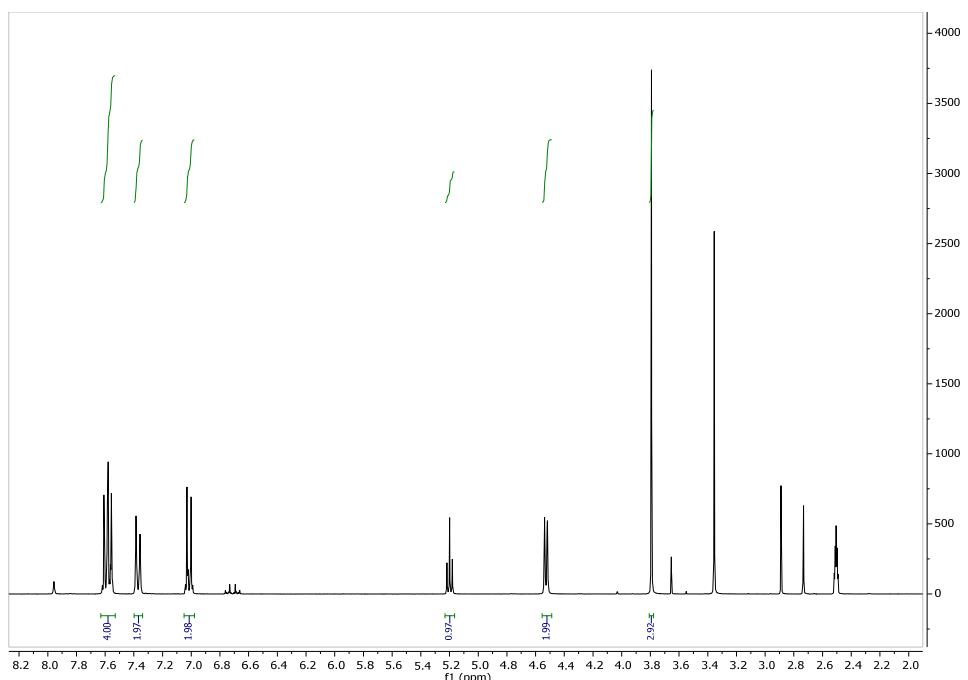


Figure S.18. ^1H NMR spectrum of **6** in DMSO

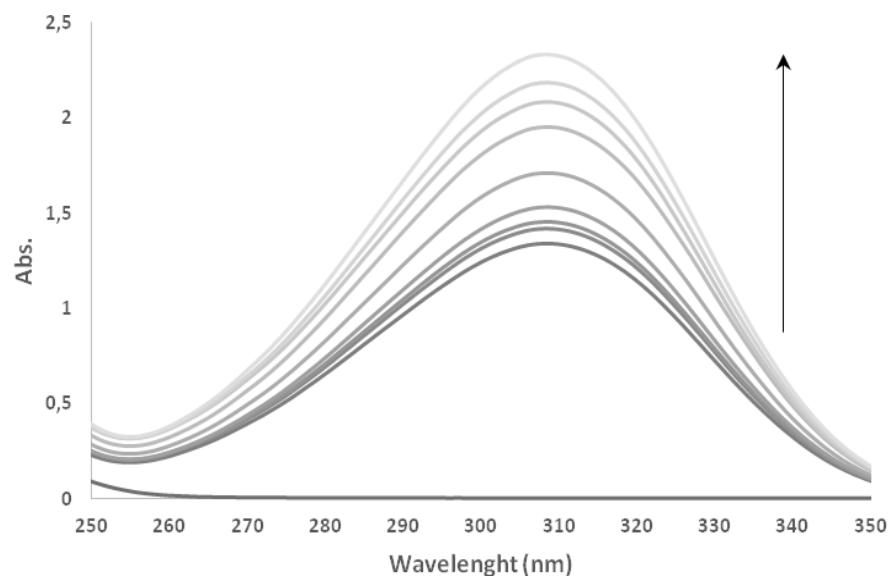


Figure S-19. UV spectra of P2 ($1.0 \times 10^{-4}\text{M}$ in CH_3CN) plus increasing amounts of NO_2 .