

Electronic Supplementary Material (ESI) for MedChemComm.

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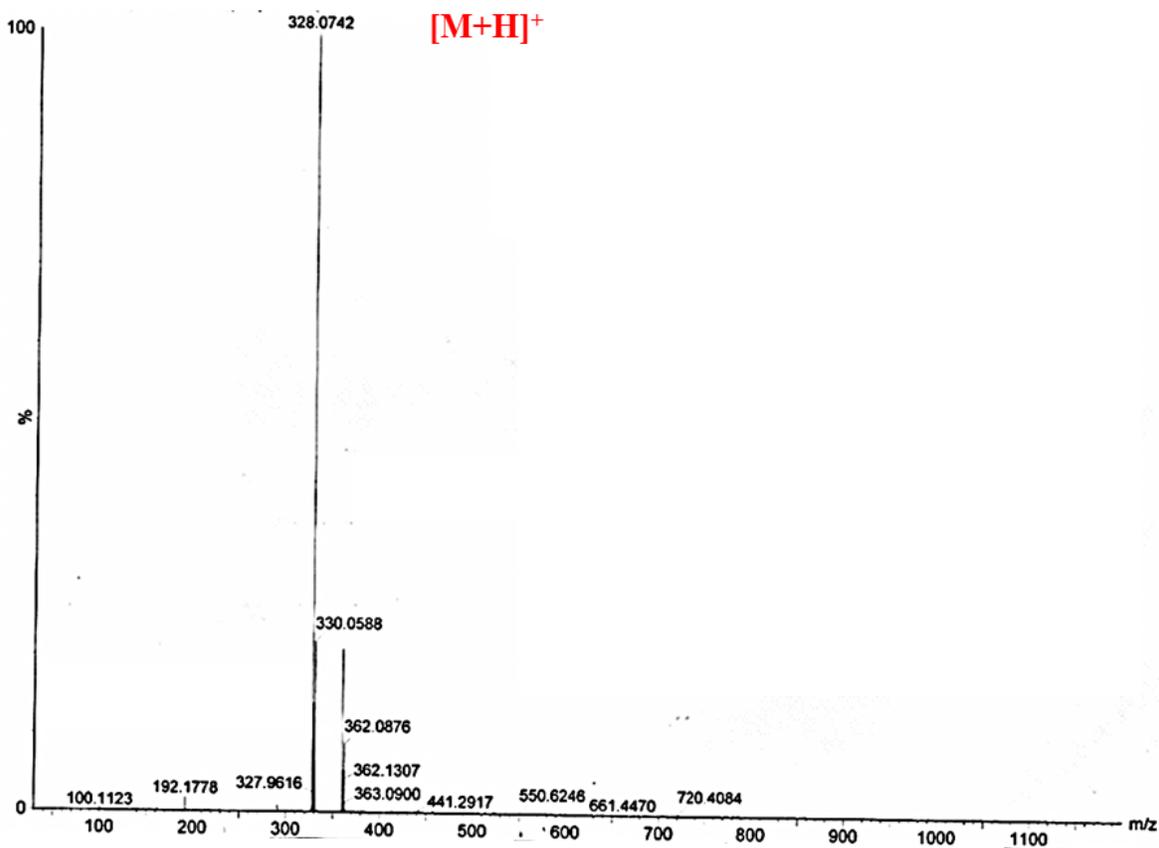


Figure S1. Mass spectrum of compound **3** (4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzaldehyde) in MeOH showing prominent parent ion peak at 328.0742 (m/z) which corresponds to $[M+H]^+$.

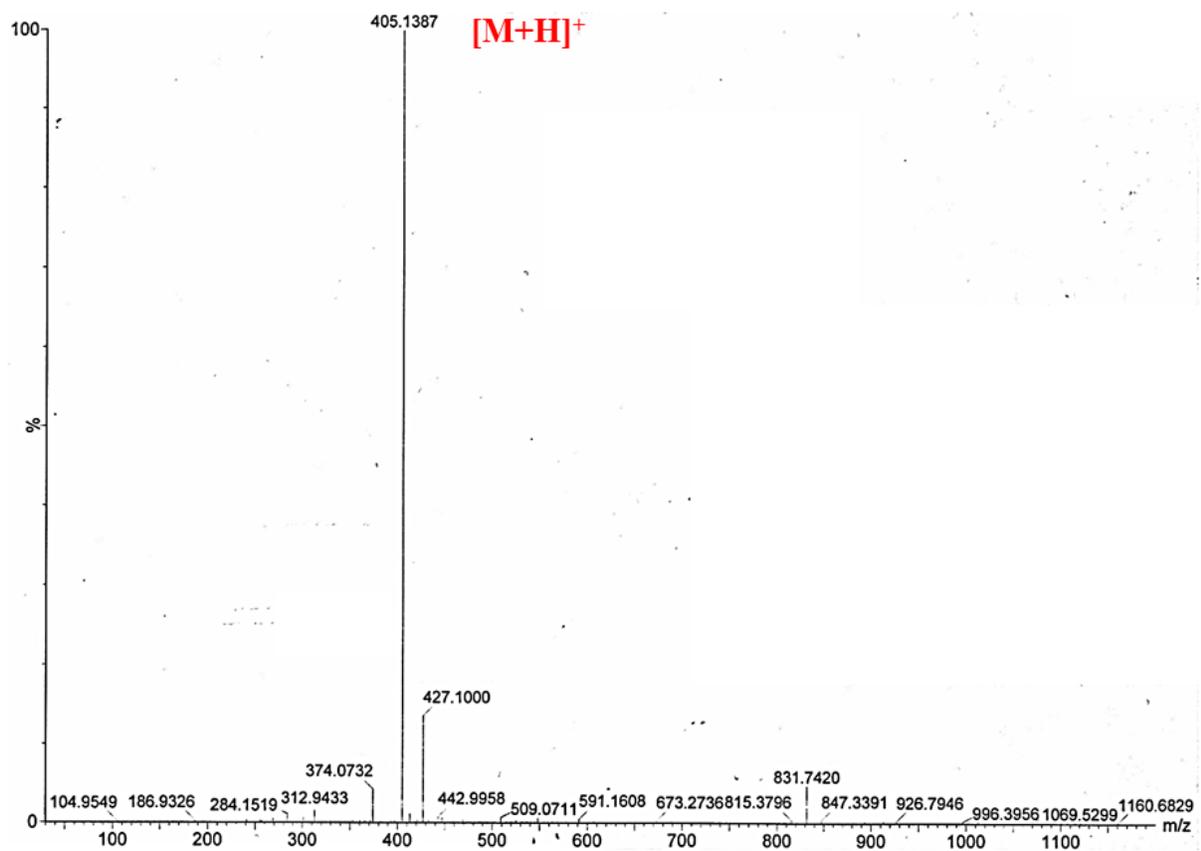


Figure S2. Mass spectrum of compound **5a** (N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)aniline) in MeOH showing prominent parent ion peak at 405.1387 (m/z) which corresponds to $[M+H]^+$.

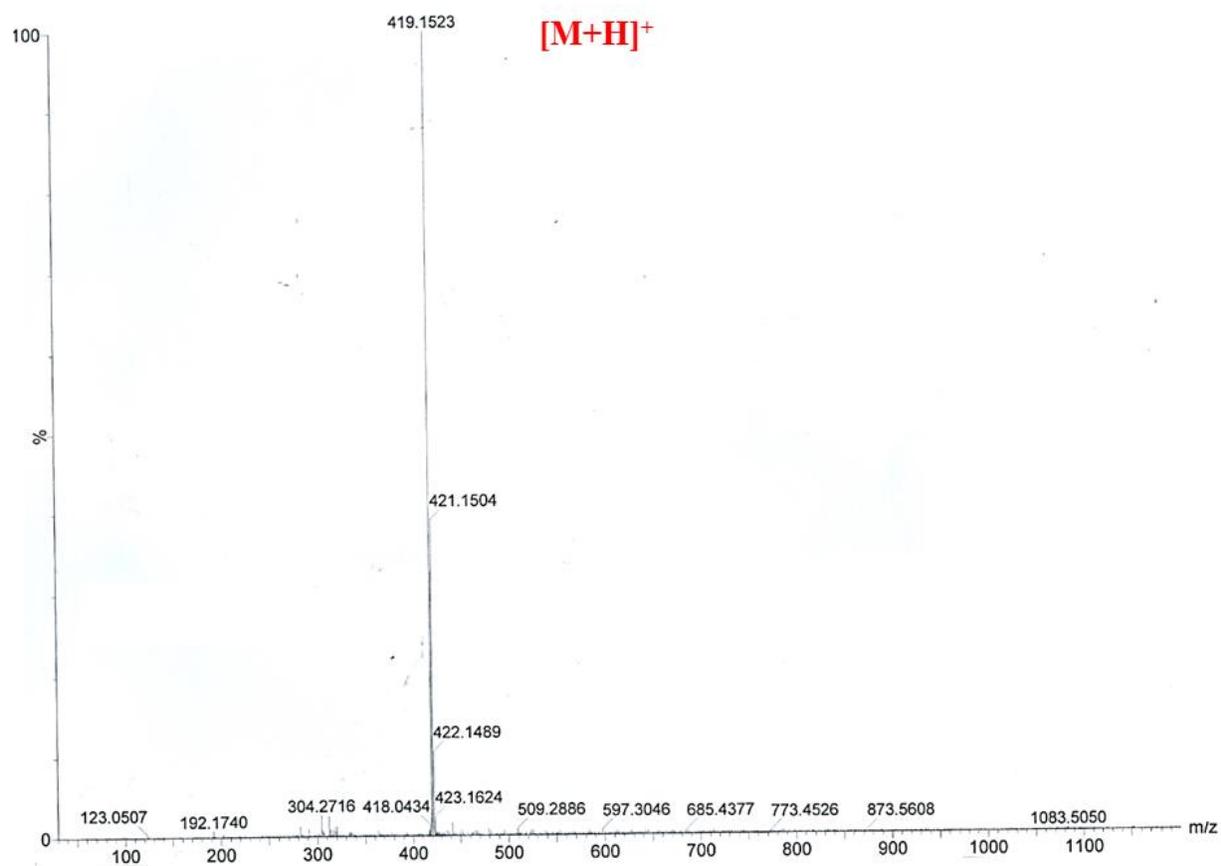


Figure S3. Mass spectrum of compound **5b** (N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)-4-methylaniline) in MeOH showing prominent parent ion peak at 419.1523 (m/z) which corresponds to $[M+H]^+$.

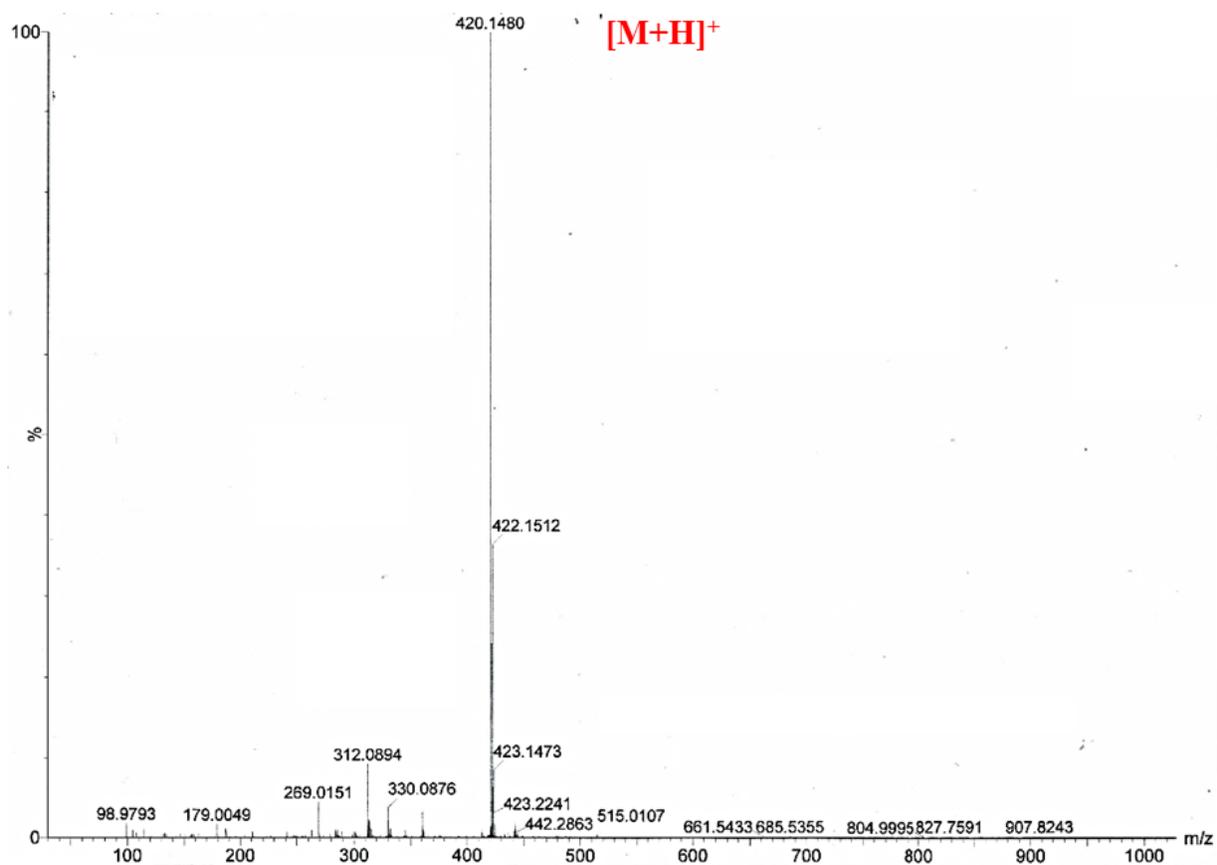


Figure S4. Mass spectrum of compound **5c** (N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)-6-methylpyridin-2-amine) in MeOH showing prominent parent ion peak at 420.1480 (m/z) which corresponds to [M+H]⁺.

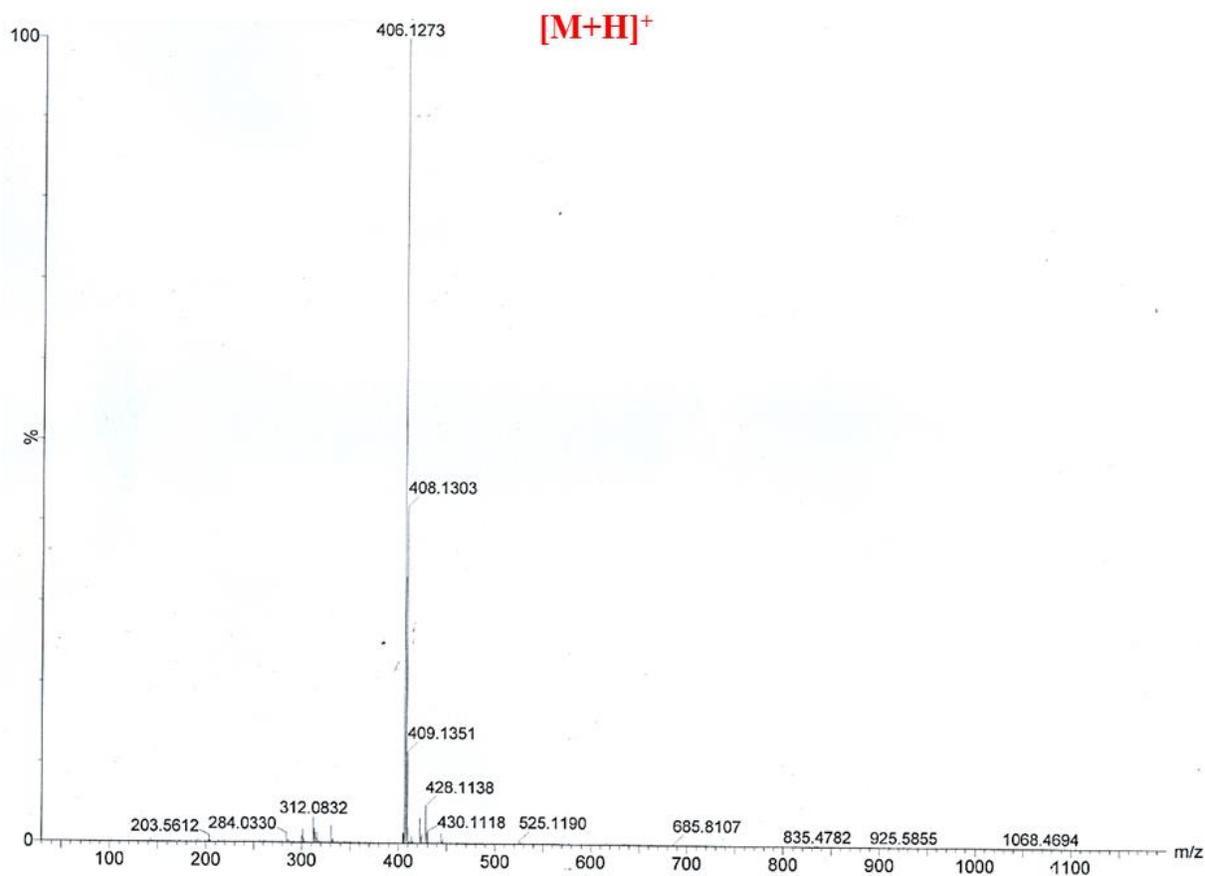


Figure S5. Mass spectrum of compound **5d** (N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)-4-methylaniline) in MeOH showing prominent parent ion peak at 406.1273 (m/z) which corresponds to $[M+H]^+$.

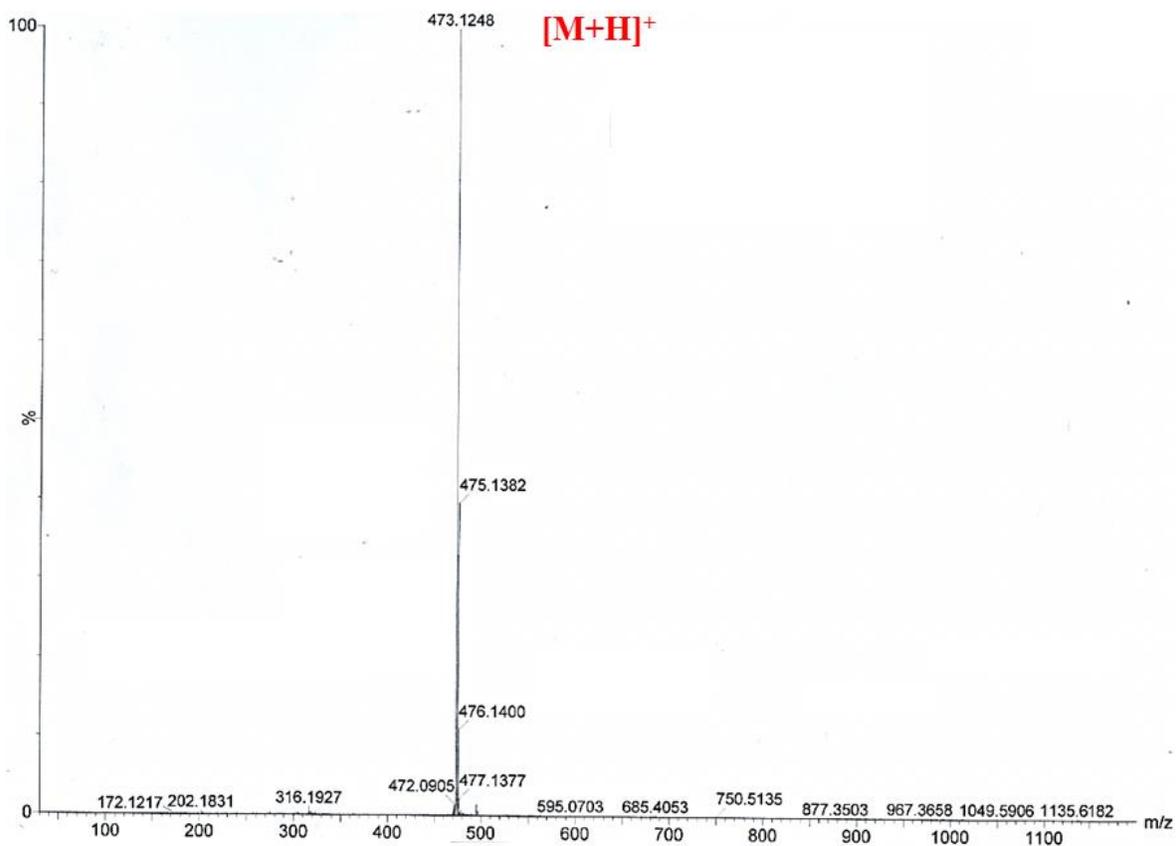


Figure S6. Mass spectrum of compound **5e** (N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)-3-(trifluoromethyl)aniline) in MeOH showing prominent parent ion peak at 473.1248 (m/z) which corresponds to $[M+H]^+$.

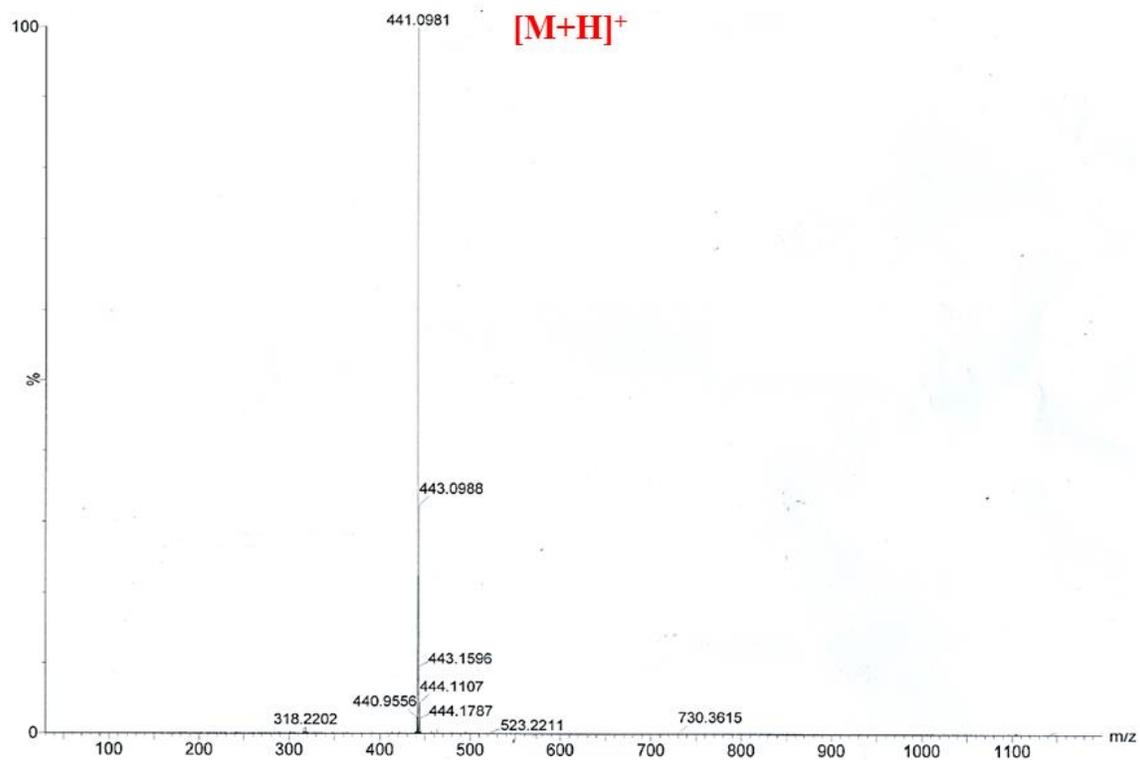


Figure S7. Mass spectrum of compound **5f** (N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)-2,4-difluoroaniline) in MeOH showing prominent parent ion peak at 441.0981 (m/z) which corresponds to $[M+H]^+$.

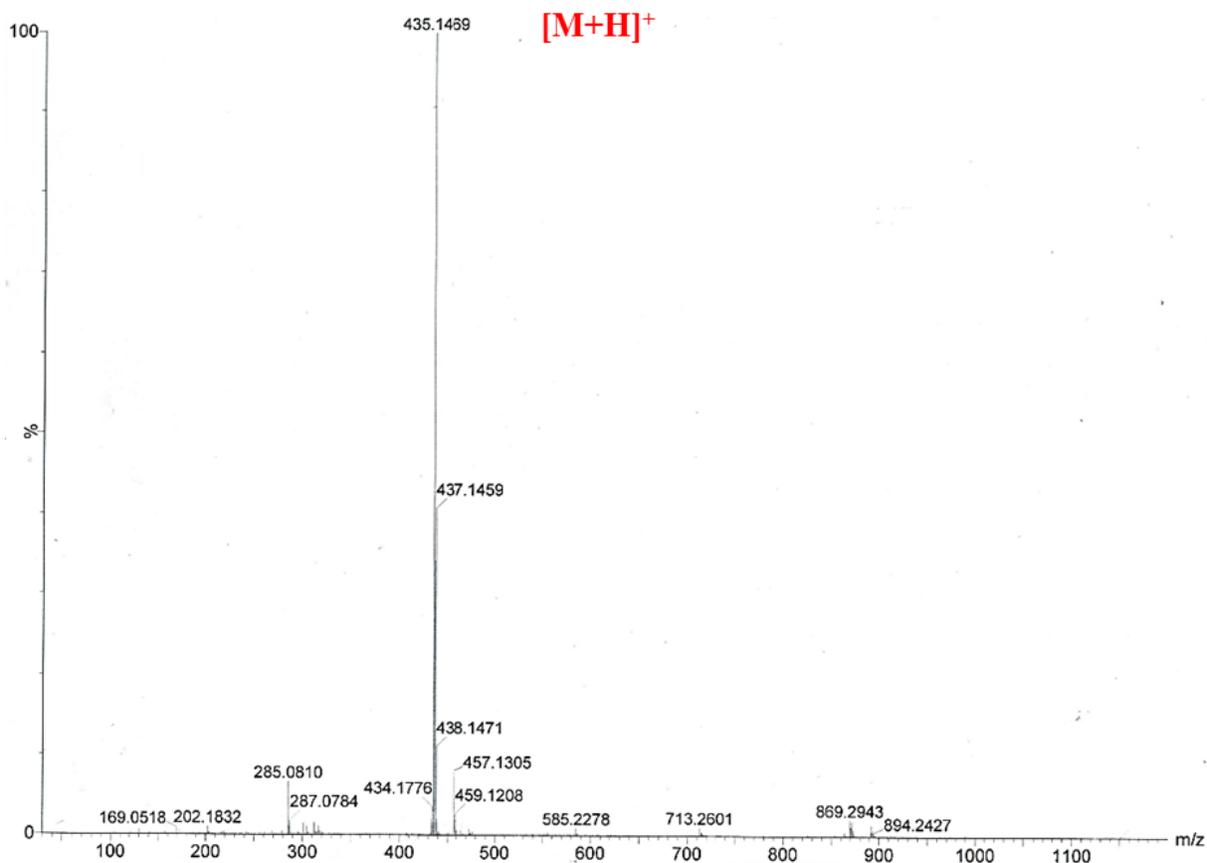


Figure S8. Mass spectrum of compound **5g** (N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)-4-methoxyaniline) in MeOH showing prominent parent ion peak at 435.1469 (m/z) which corresponds to $[M+H]^+$.

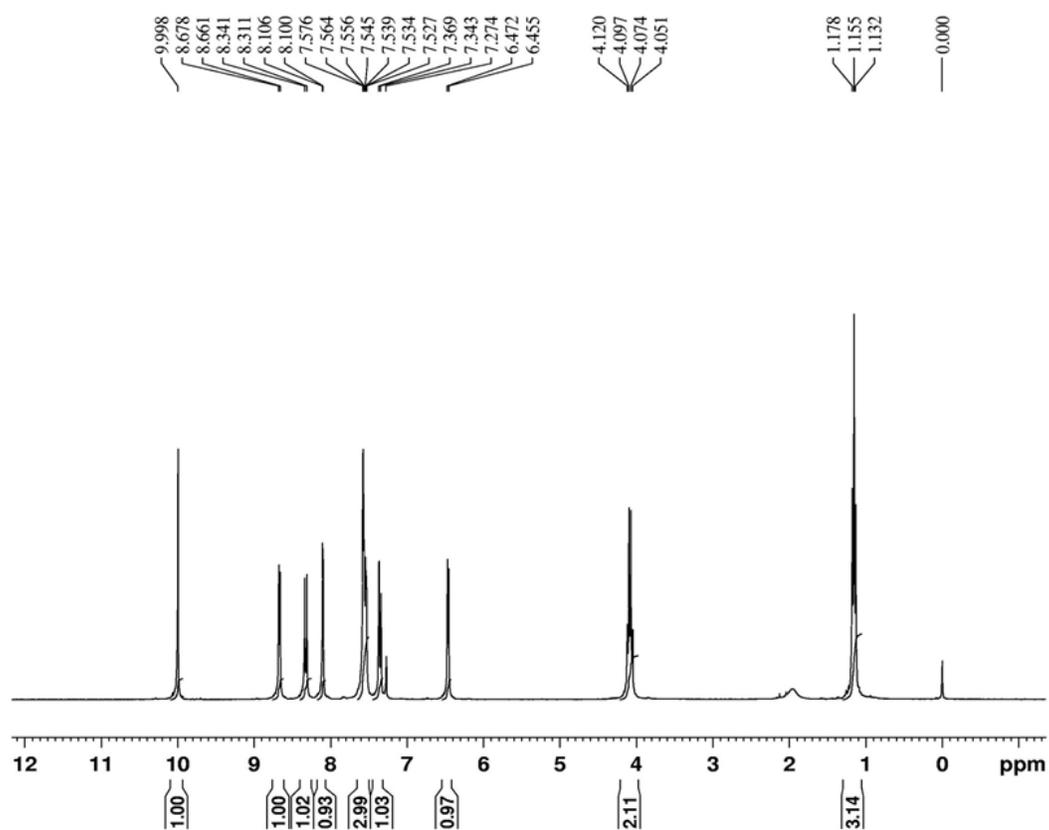


Figure S9. ^1H NMR spectrum of compound **3** in CDCl_3 .

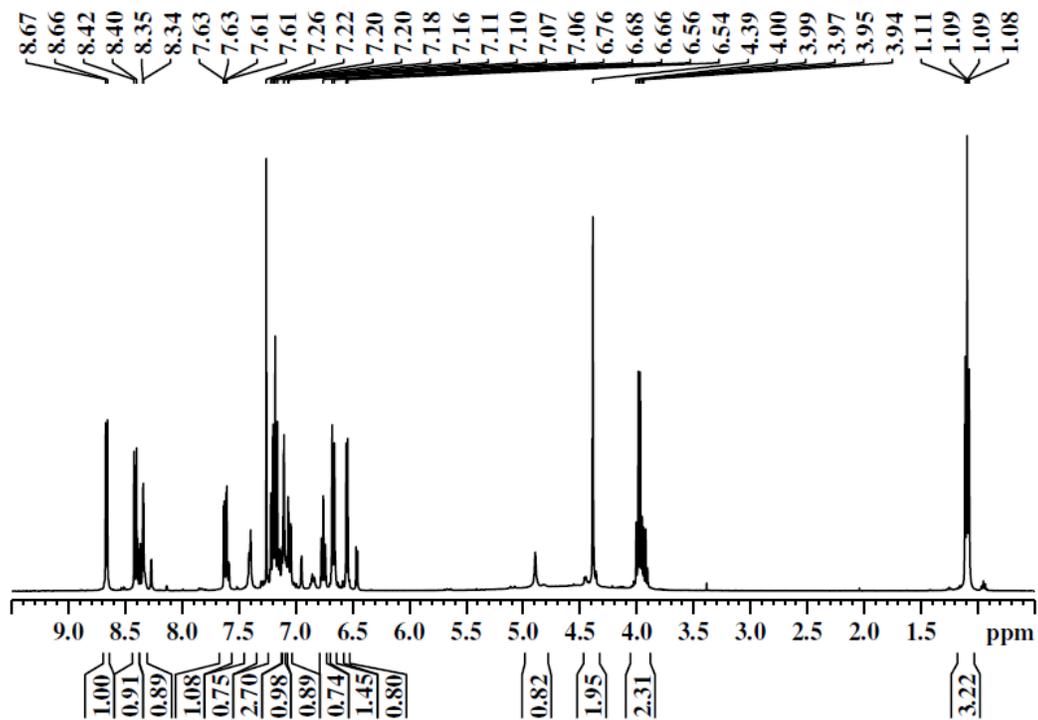


Figure S10. ^1H NMR spectrum of compound **5a** in CDCl_3 .

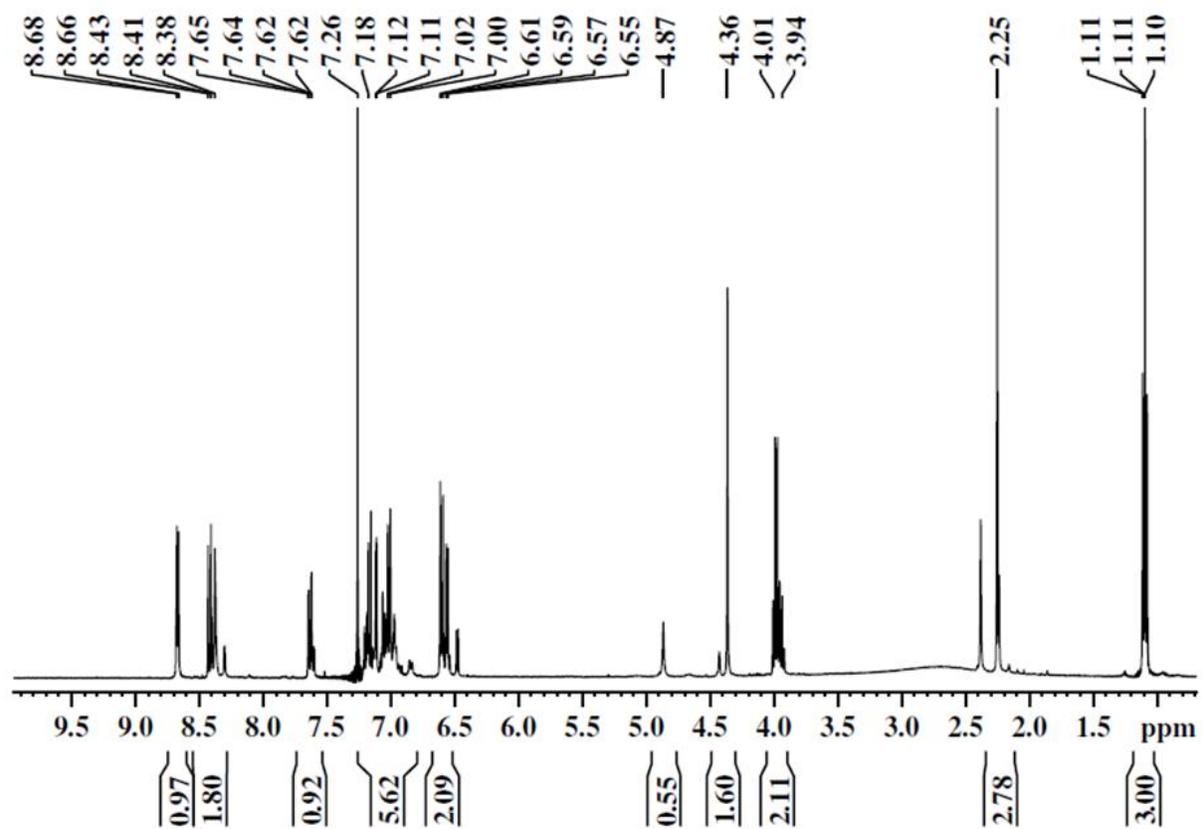


Figure S11. ^1H NMR spectrum of compound **5b** in CDCl_3 .

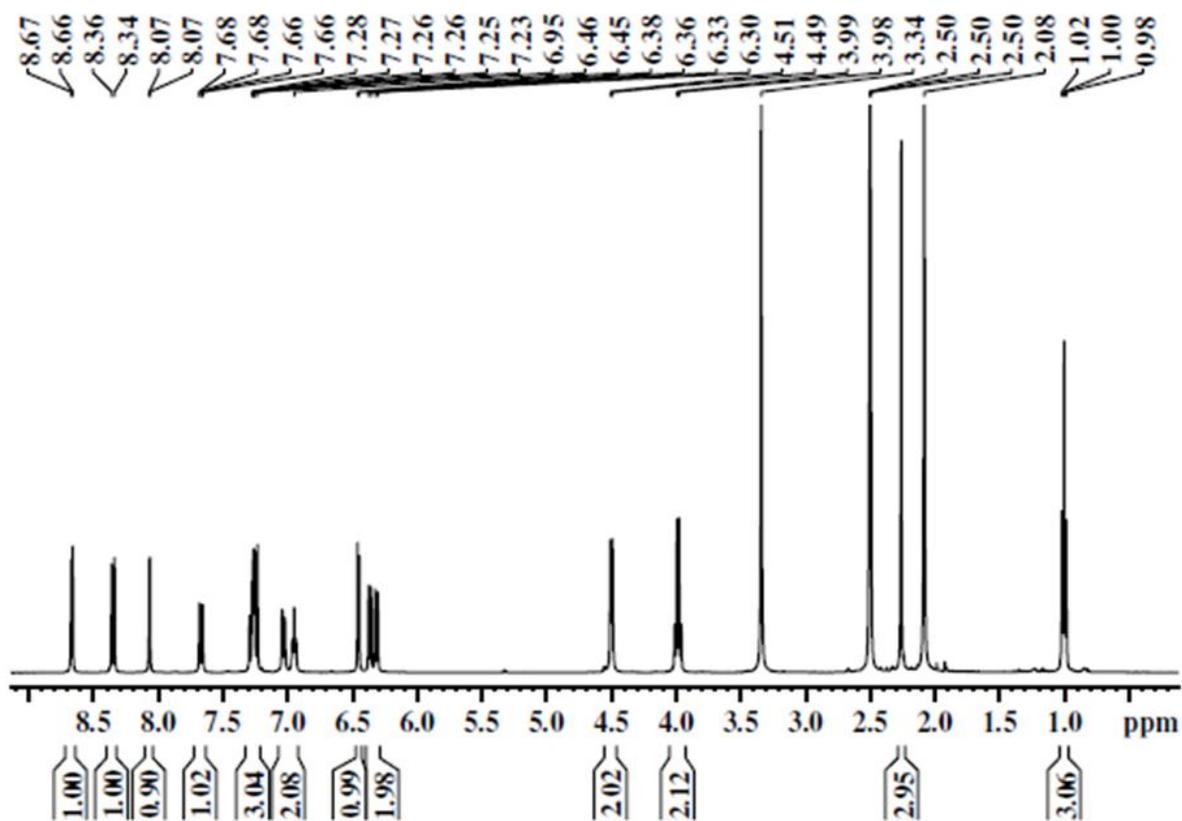


Figure S12. ^1H NMR spectrum of compound **5c** in CDCl_3 .

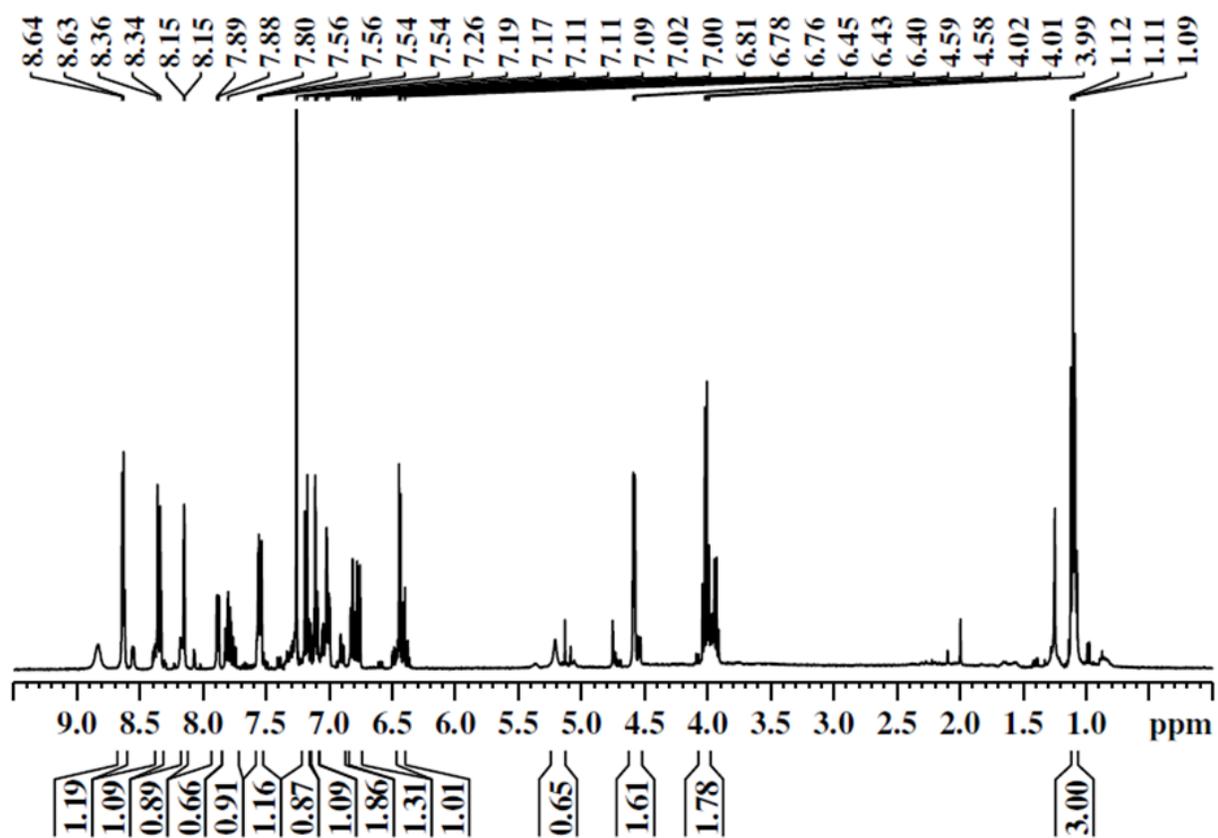


Figure S13. ^1H NMR spectrum of compound **5d** in CDCl_3 .

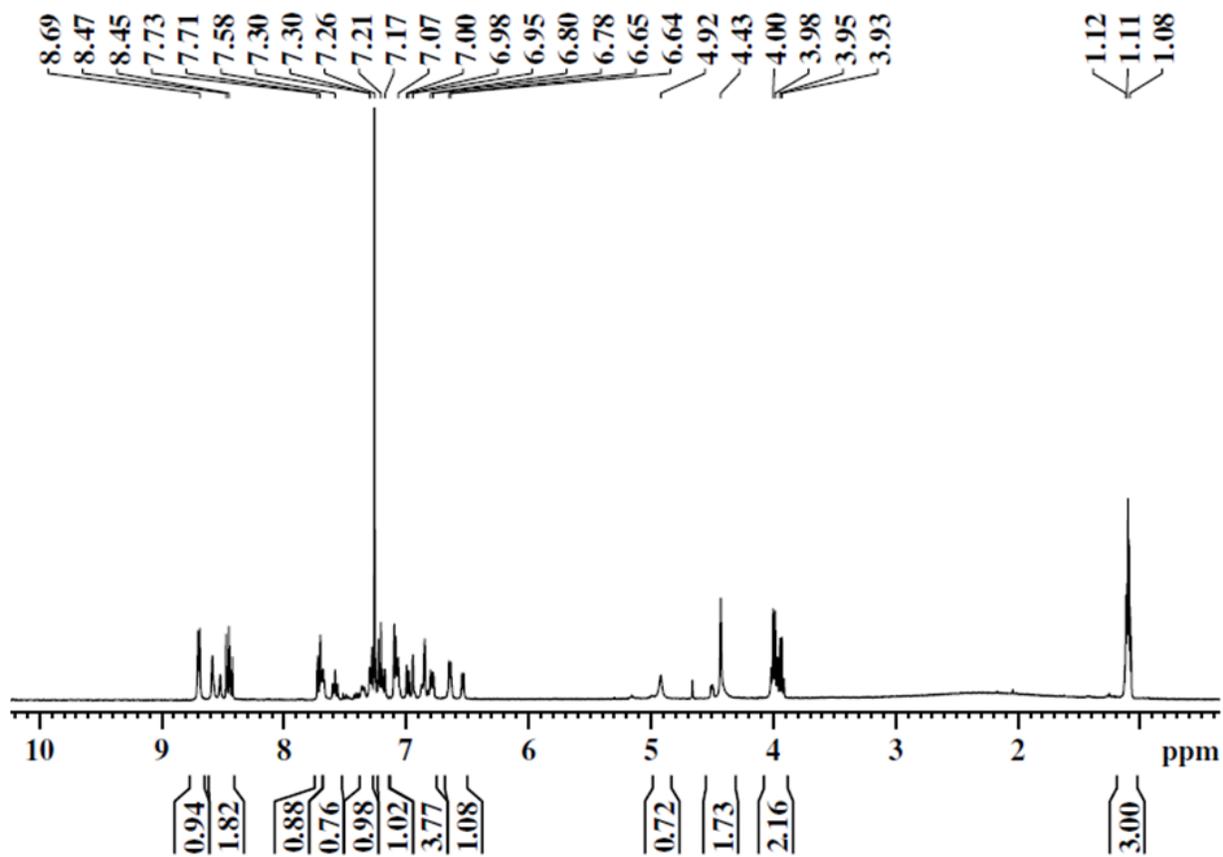


Figure S14. ^1H NMR spectrum of compound **5e** in CDCl_3 .

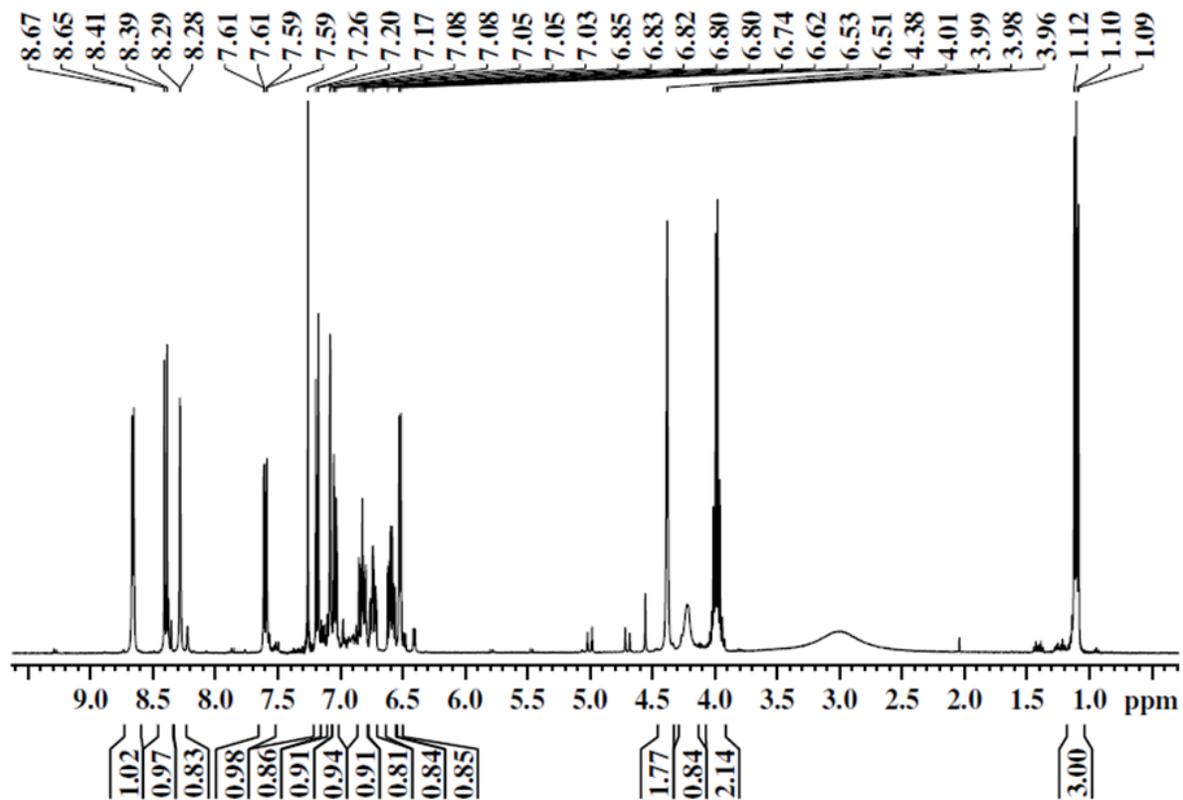


Figure S15. ^1H NMR spectrum of compound **5f** in CDCl_3 .

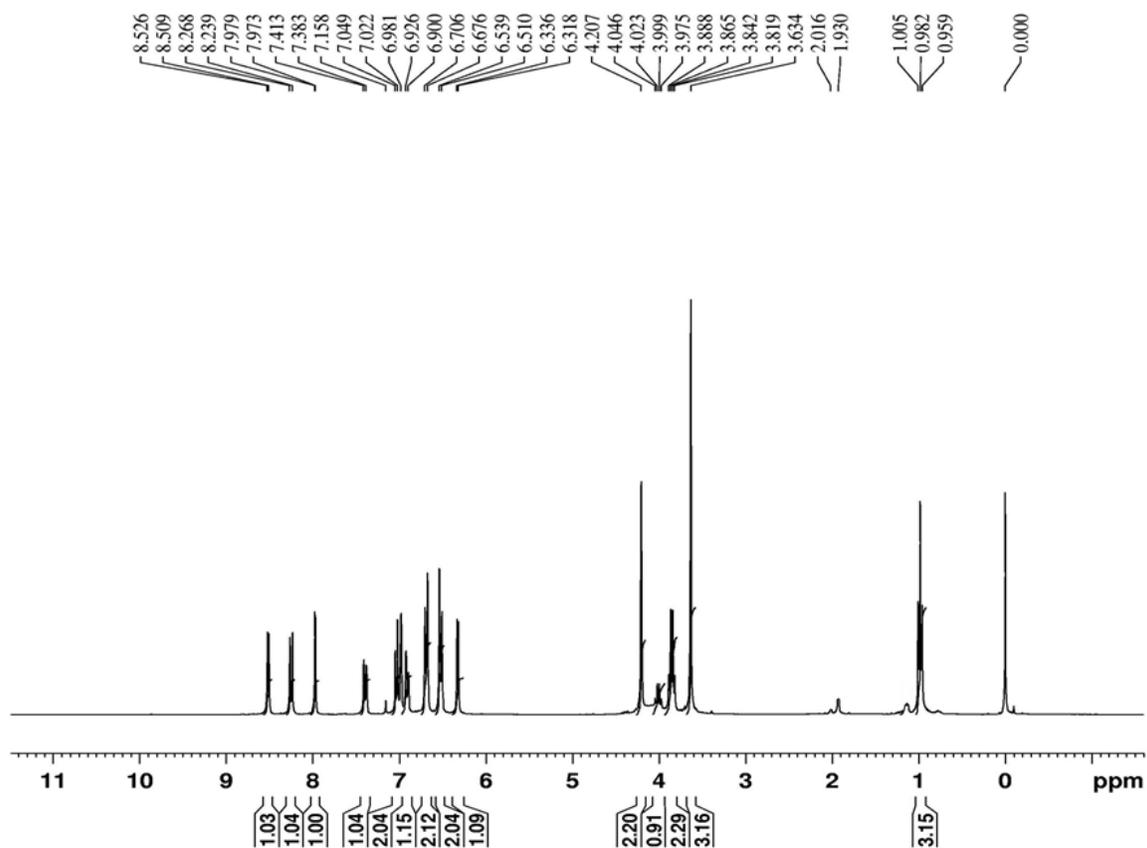


Figure S16. ^1H NMR spectrum of compound **5g** in CDCl_3 .

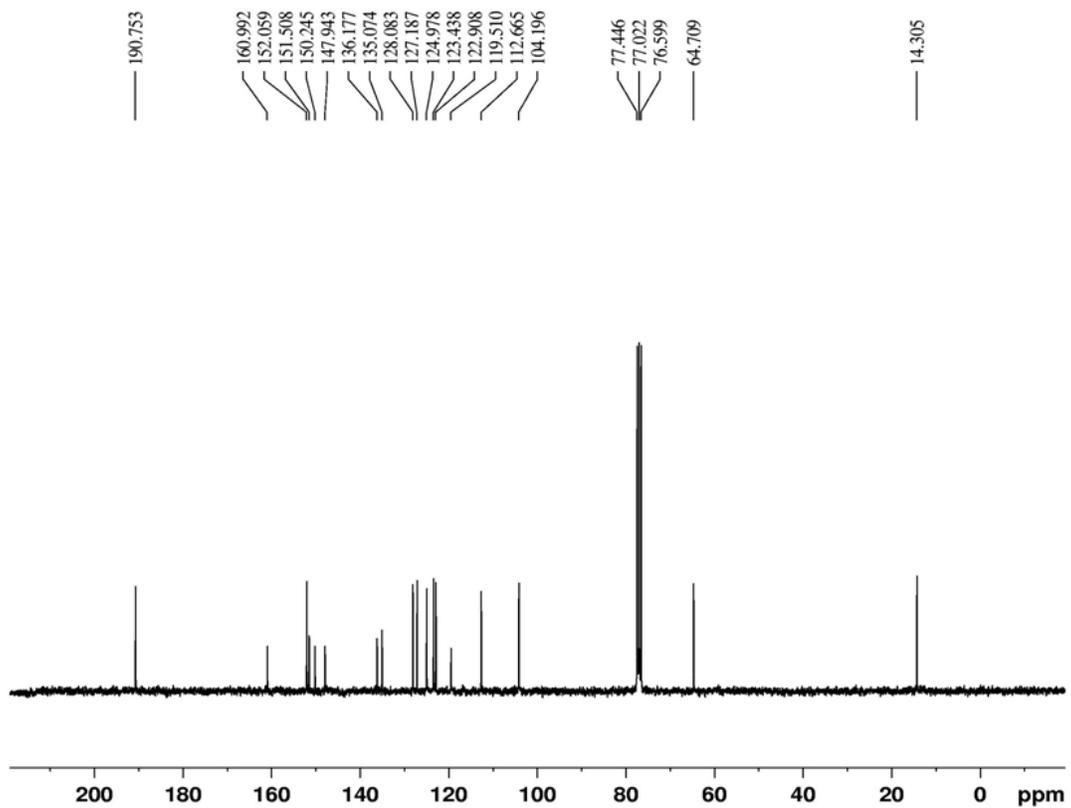


Figure S17. ¹³C NMR spectrum of compound **3** in CDCl₃.

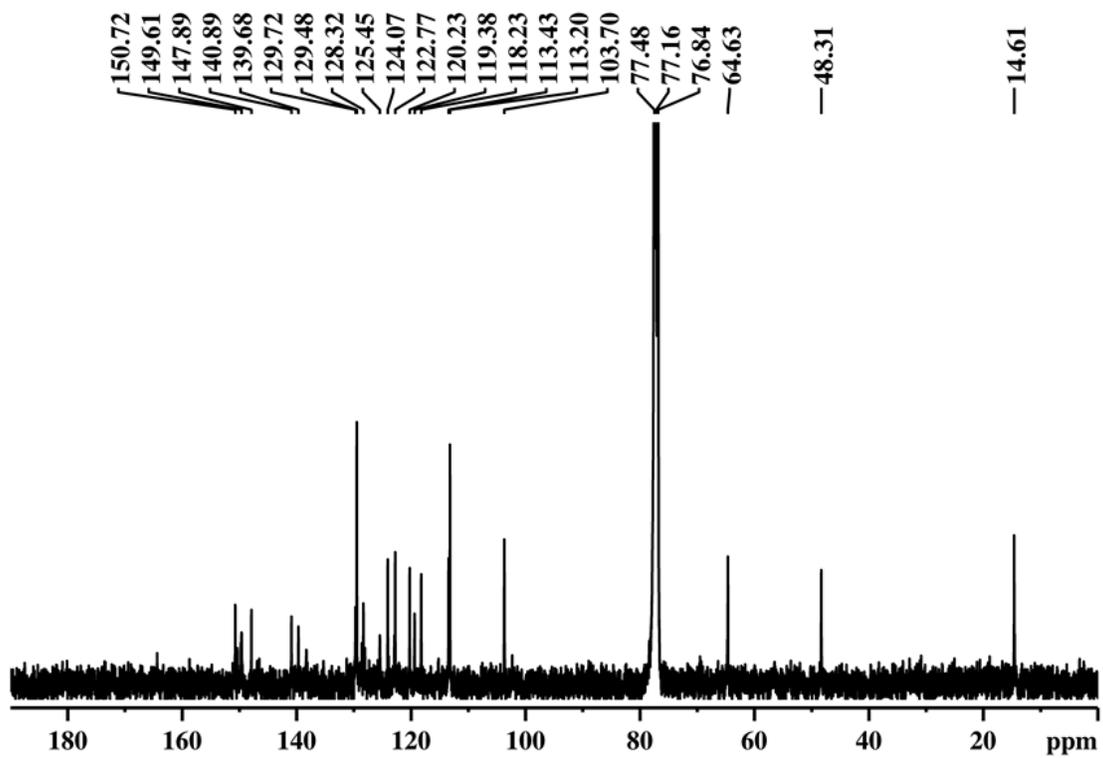


Figure S18. ^{13}C NMR spectrum of compound **5a** in CDCl_3 .

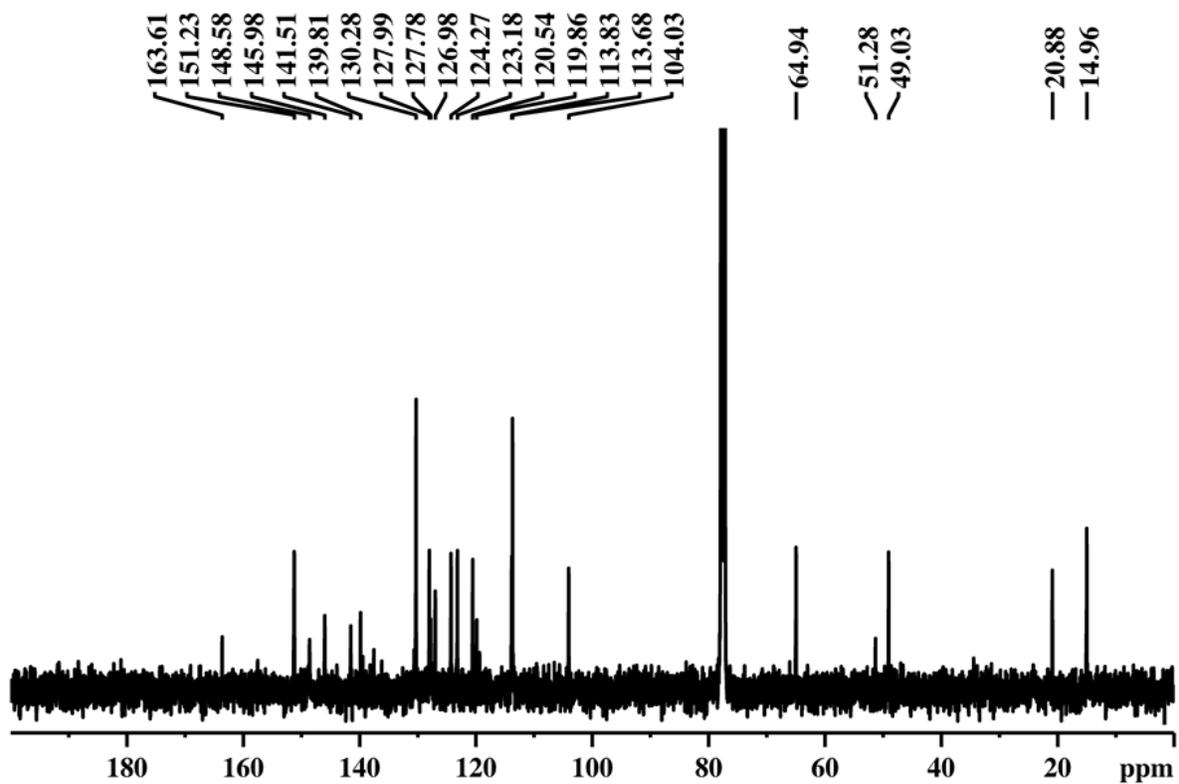


Figure S19. ¹³C NMR spectrum of compound **5b** in CDCl₃.

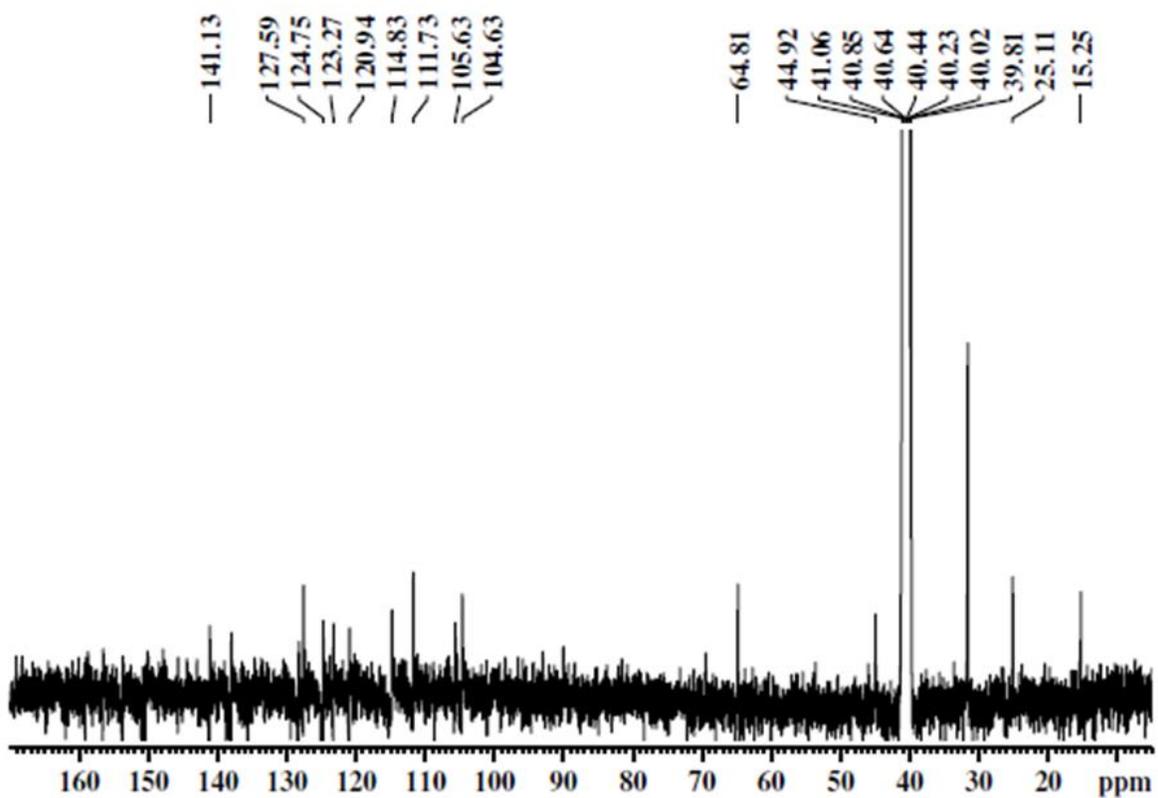


Figure S20. ^{13}C NMR spectrum of compound **5c** in $\text{d}_6\text{-DMSO}$.

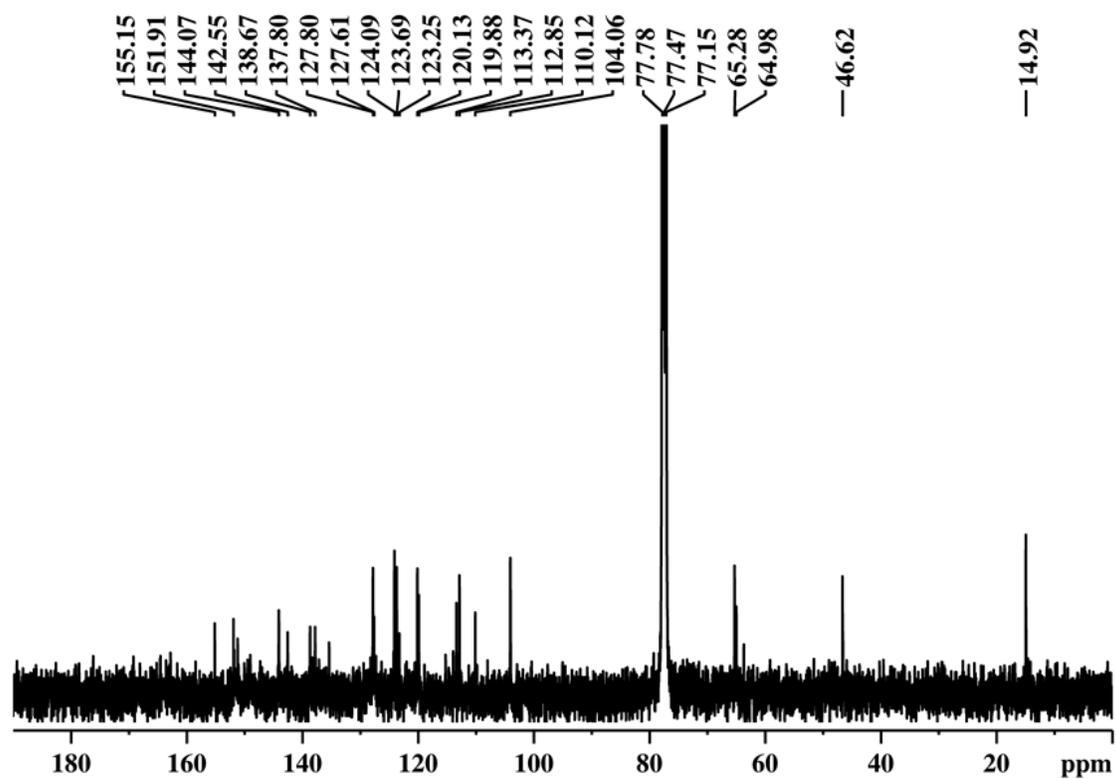


Figure S21. ^{13}C NMR spectrum of compound **5d** in CDCl_3 .

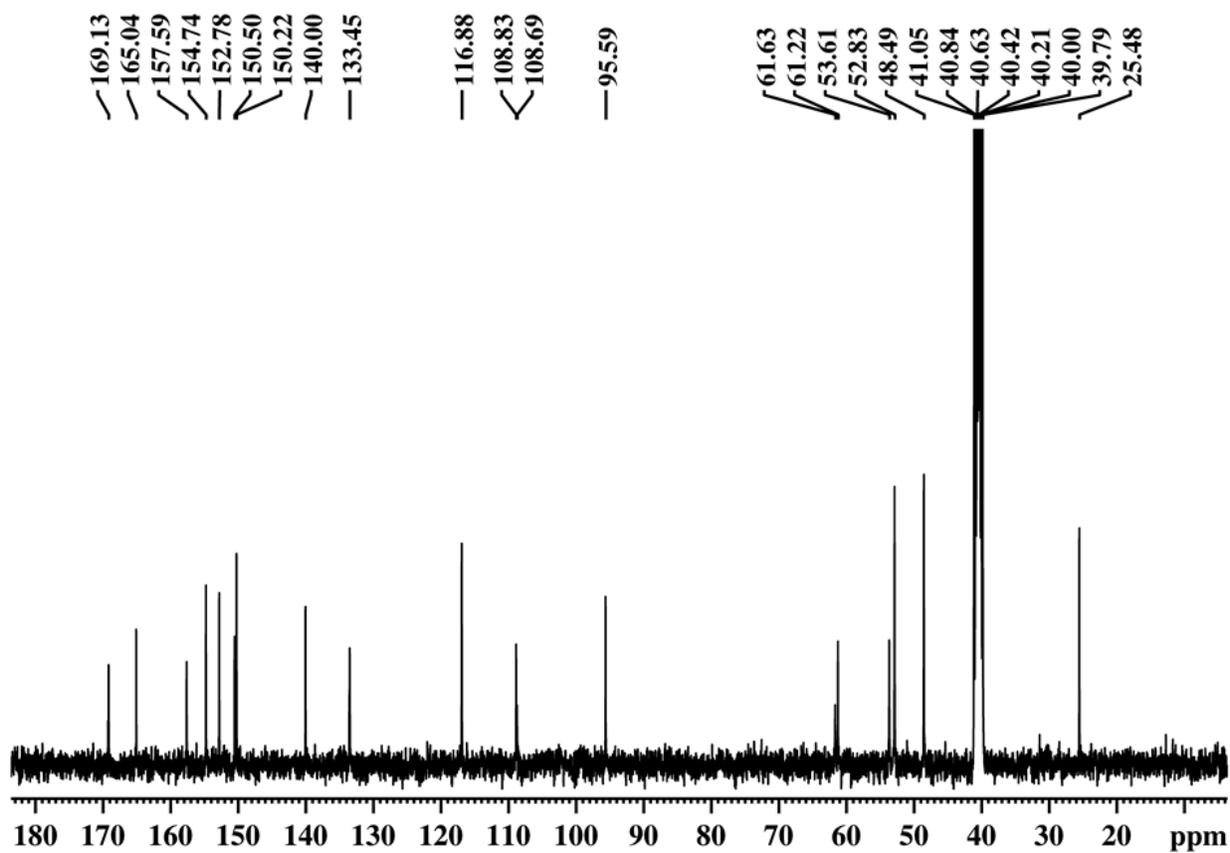


Figure S22. ^{13}C NMR spectrum of compound **5e** in d_6 -DMSO.

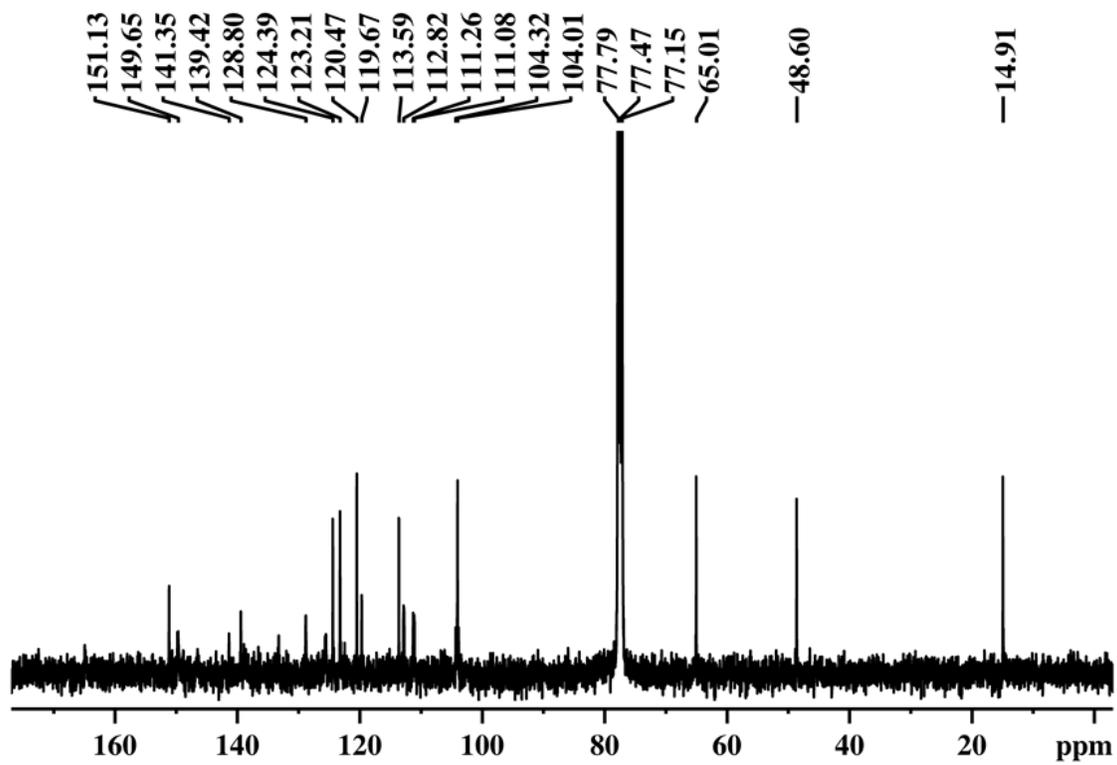


Figure S23. ¹³C NMR spectrum of compound **5f** in CDCl₃.

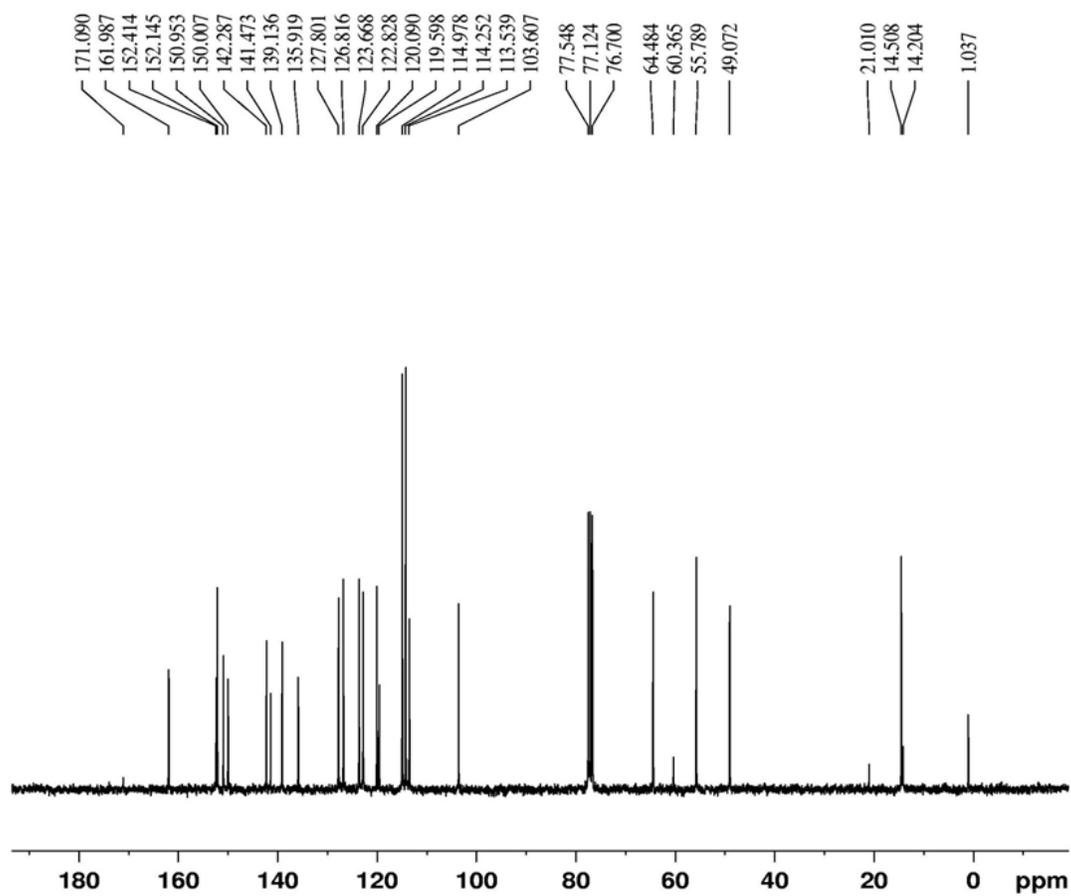


Figure S24. ^{13}C NMR spectrum of compound **5g** in CDCl_3 .

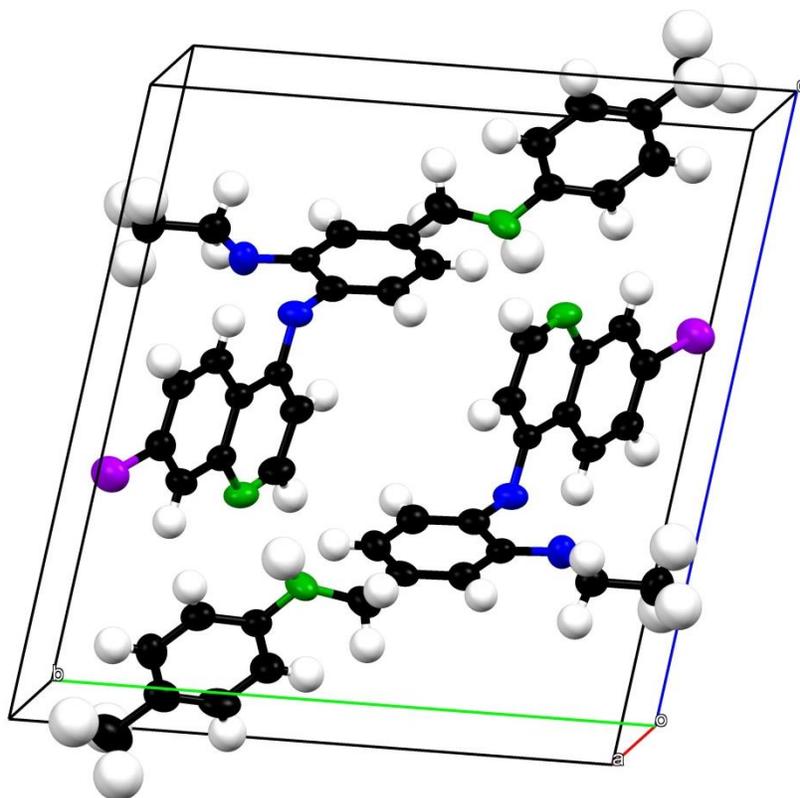


Figure S25. Unit cell packing diagram of compound **5b**, viz. N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)-4-methylaniline. Color code: Cl, Purple; N, green; C, black; O, blue; H, white.

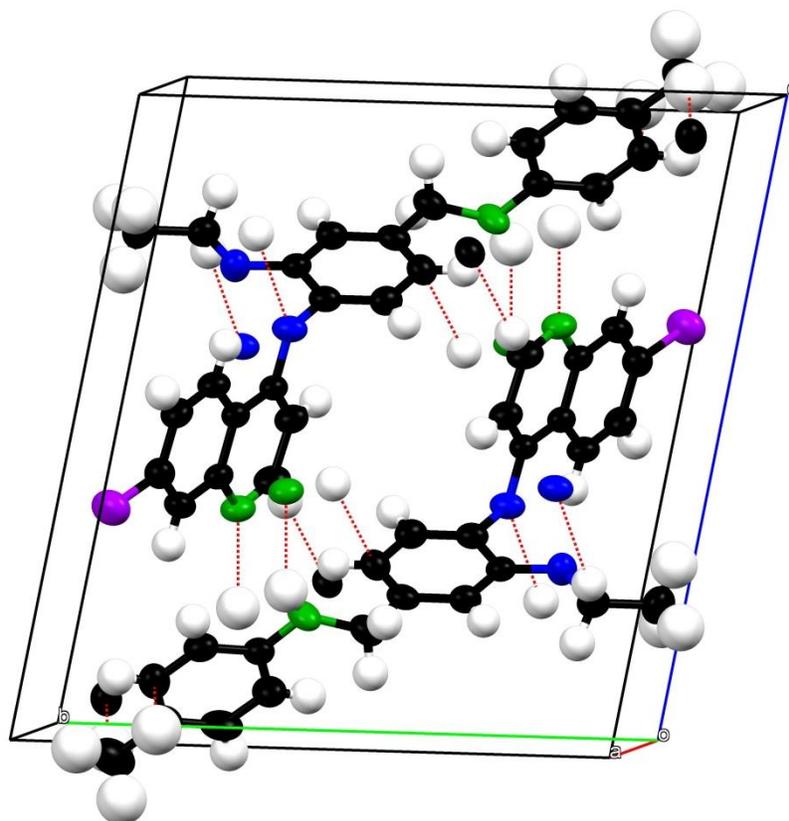


Figure S26. Unit cell packing diagram of synthesized molecule **5b**, N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)-4-methylaniline, showing short contact bonding (color code: Cl, Purple; N, green; C, black; O, blue; H, white).

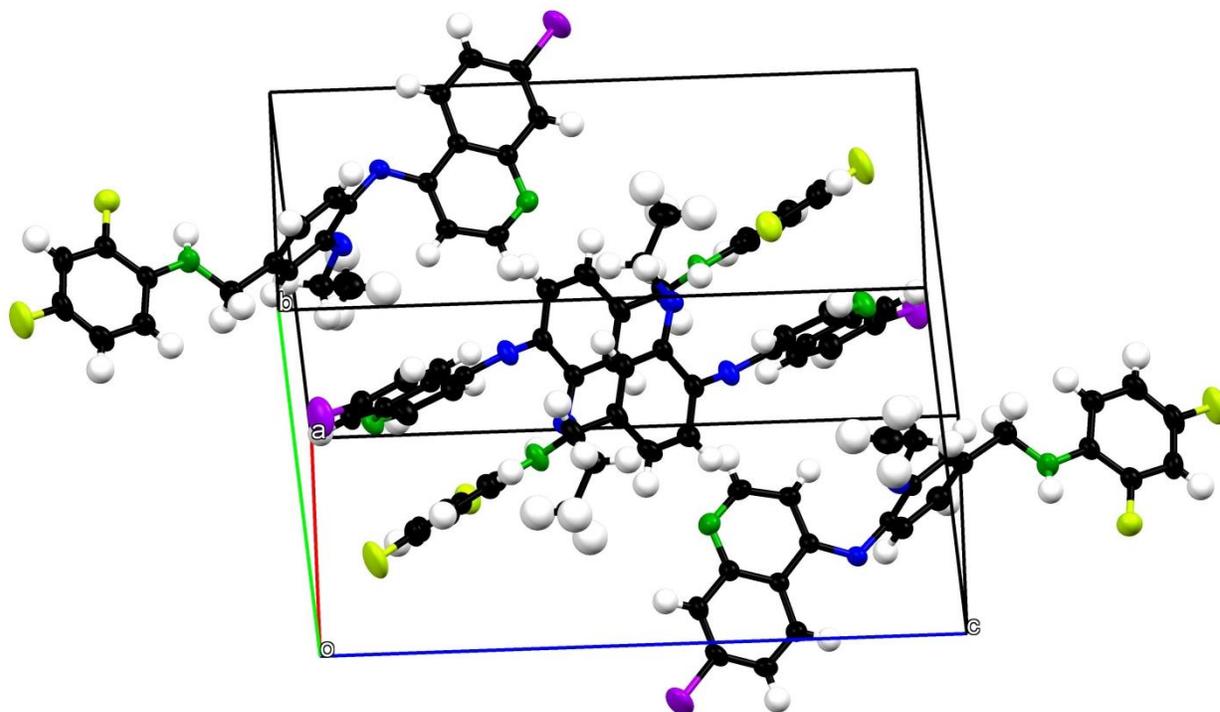


Figure S27. Unit cell packing diagram of synthesized molecule **5f**, viz. N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)-2,4-difluoroaniline. Color code: Cl, Purple; F, yellow; N, green; C, black; O, blue; H, white.

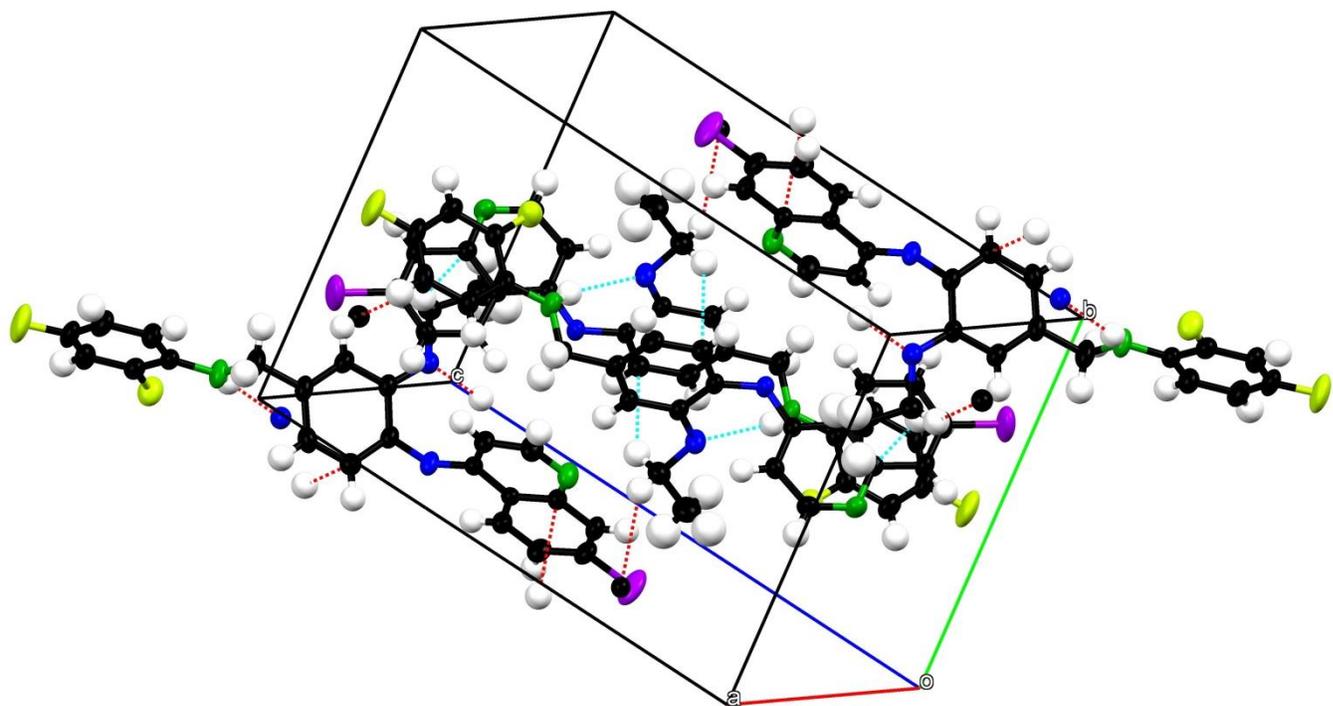


Figure S28. Unit cell packing diagram of synthesized molecule **5f**, viz. N-(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)-2,4-difluoroaniline, showing short contact bonding (color code: Cl, Purple; F, yellow; N, green; C, black; O, blue; H, white).