

Supporting Information

Development of New Benzylpiperazine Derivatives as σ_1 Receptor Ligands with *in Vivo* Antinociceptive and Anti-Allodynic Effects

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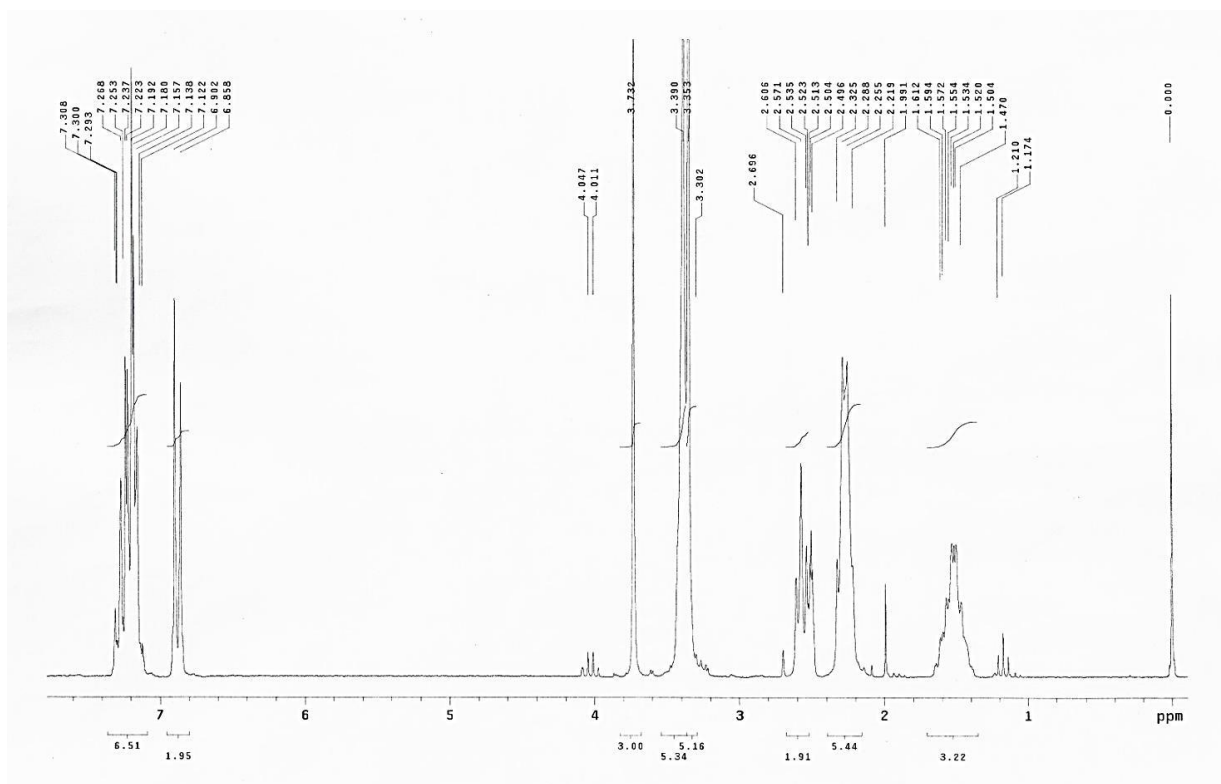


Figure S1. ^1H NMR spectrum of compound **13**

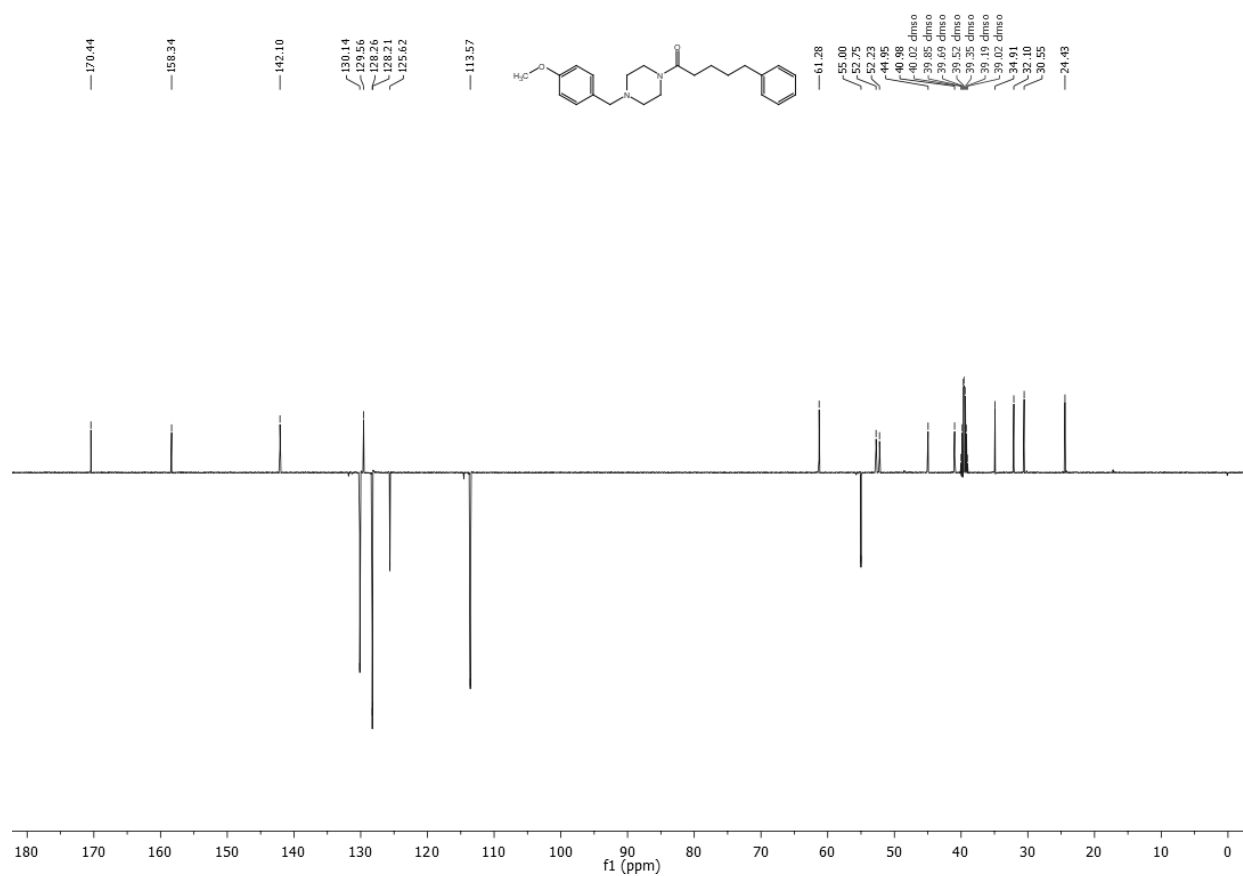
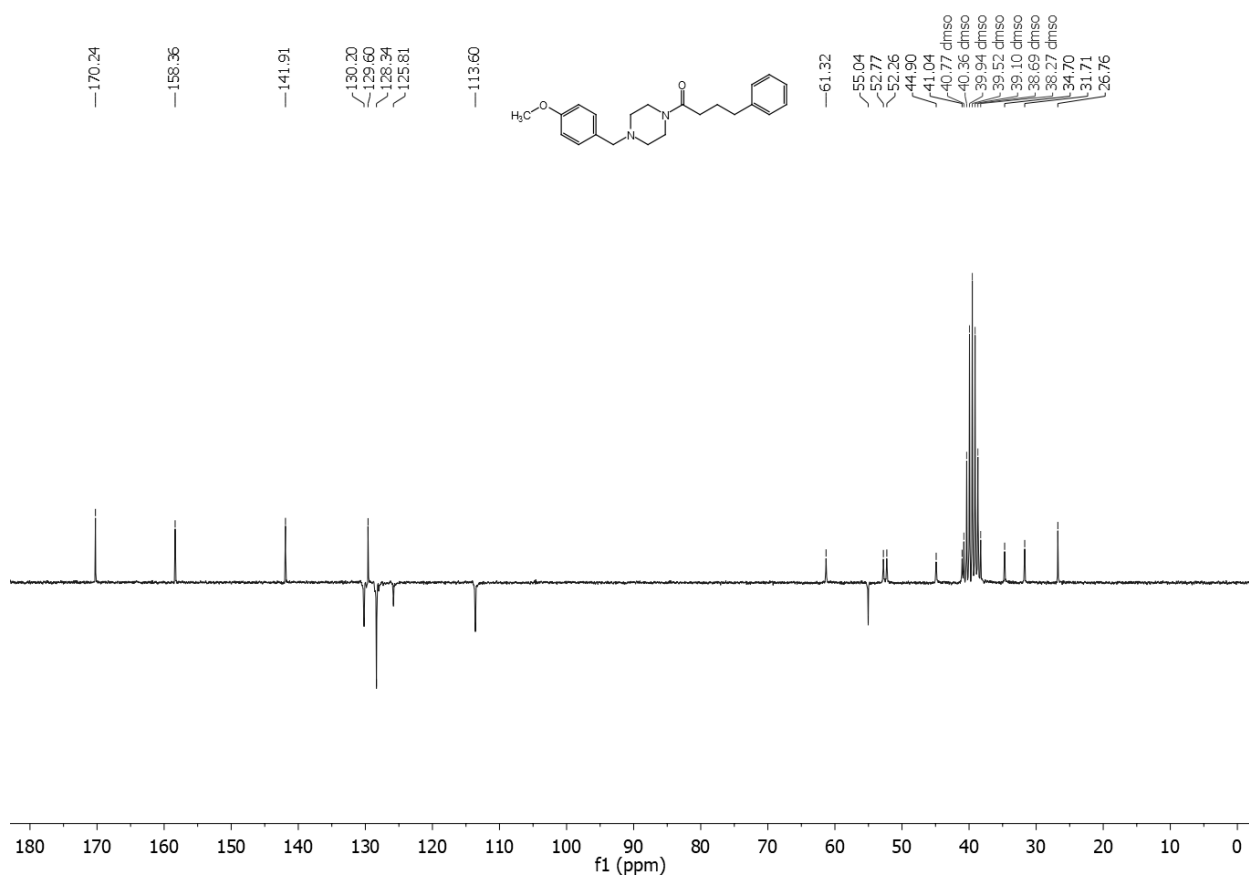
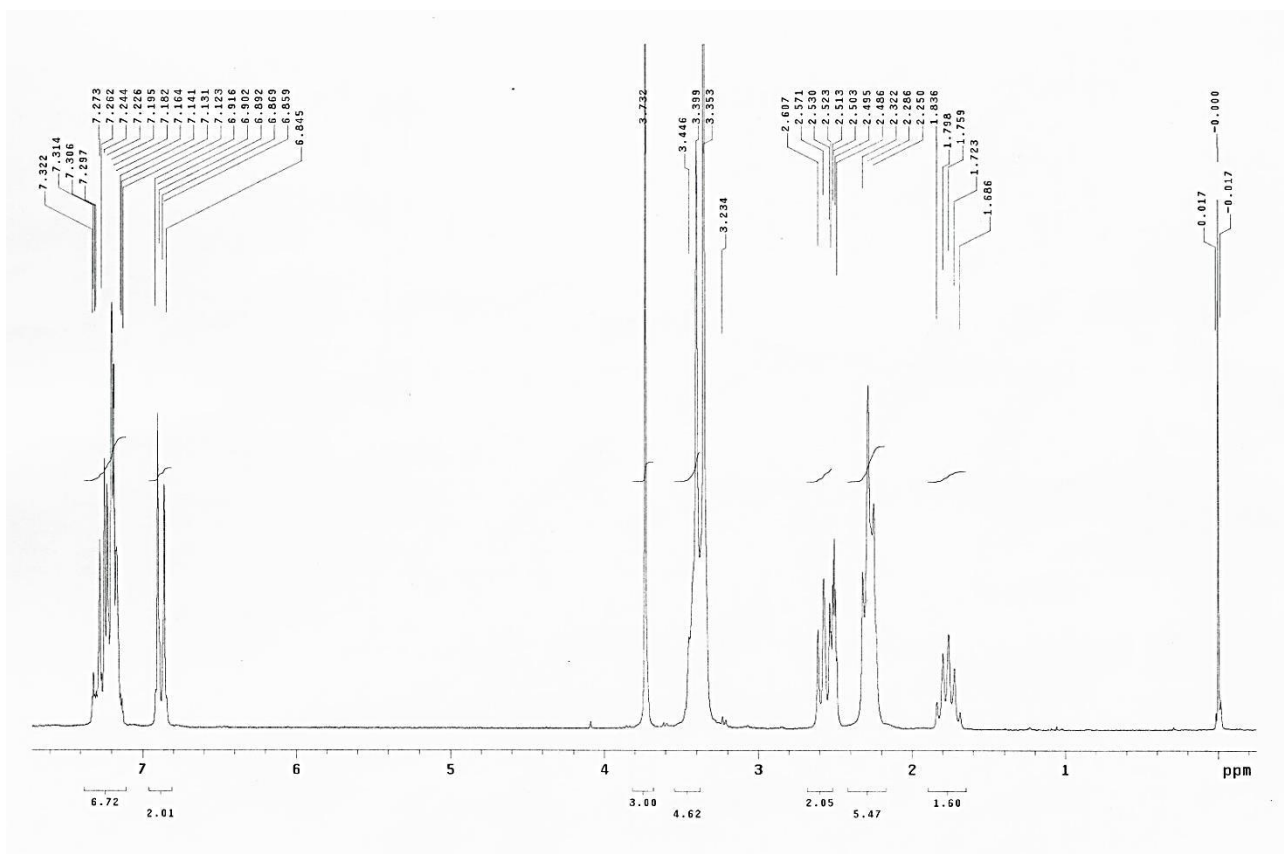


Figure S2. ^{13}C NMR spectrum of compound **13**



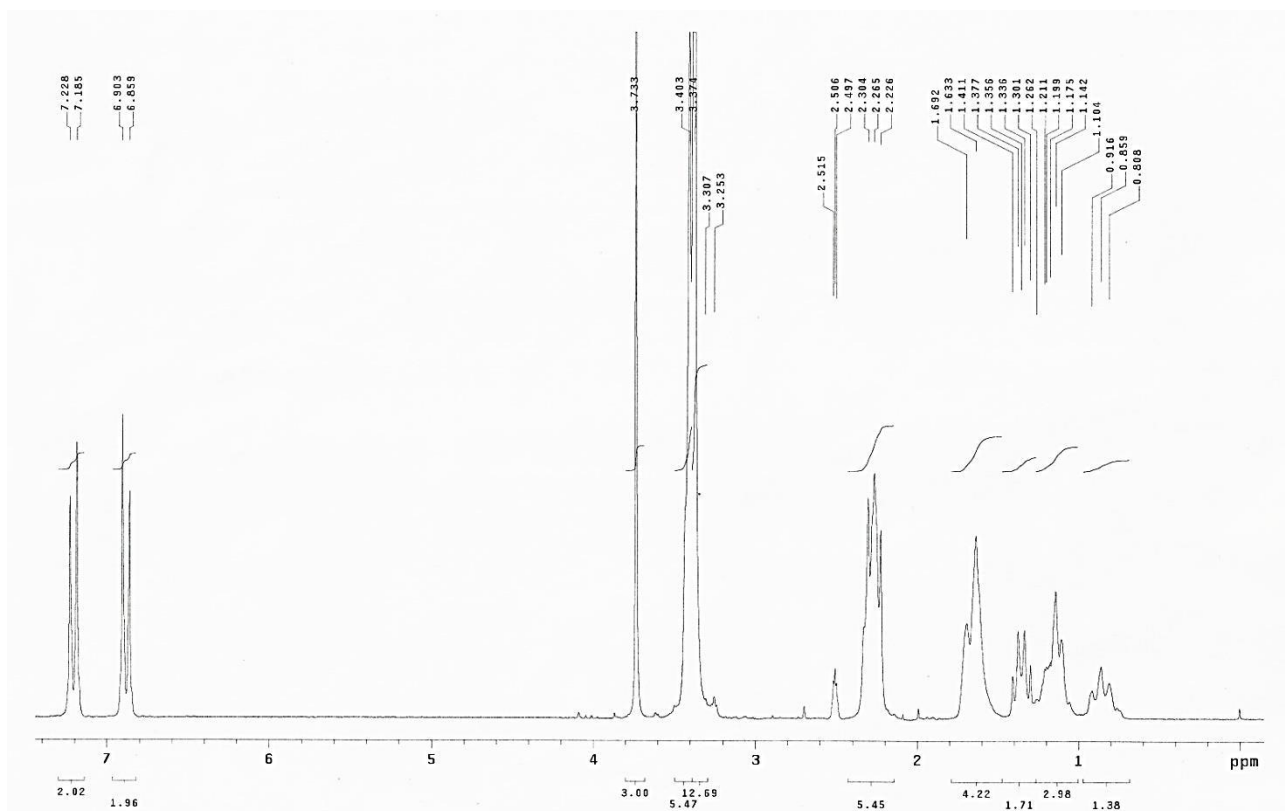


Figure S5. ^1H NMR spectrum of compound **15** (free base)

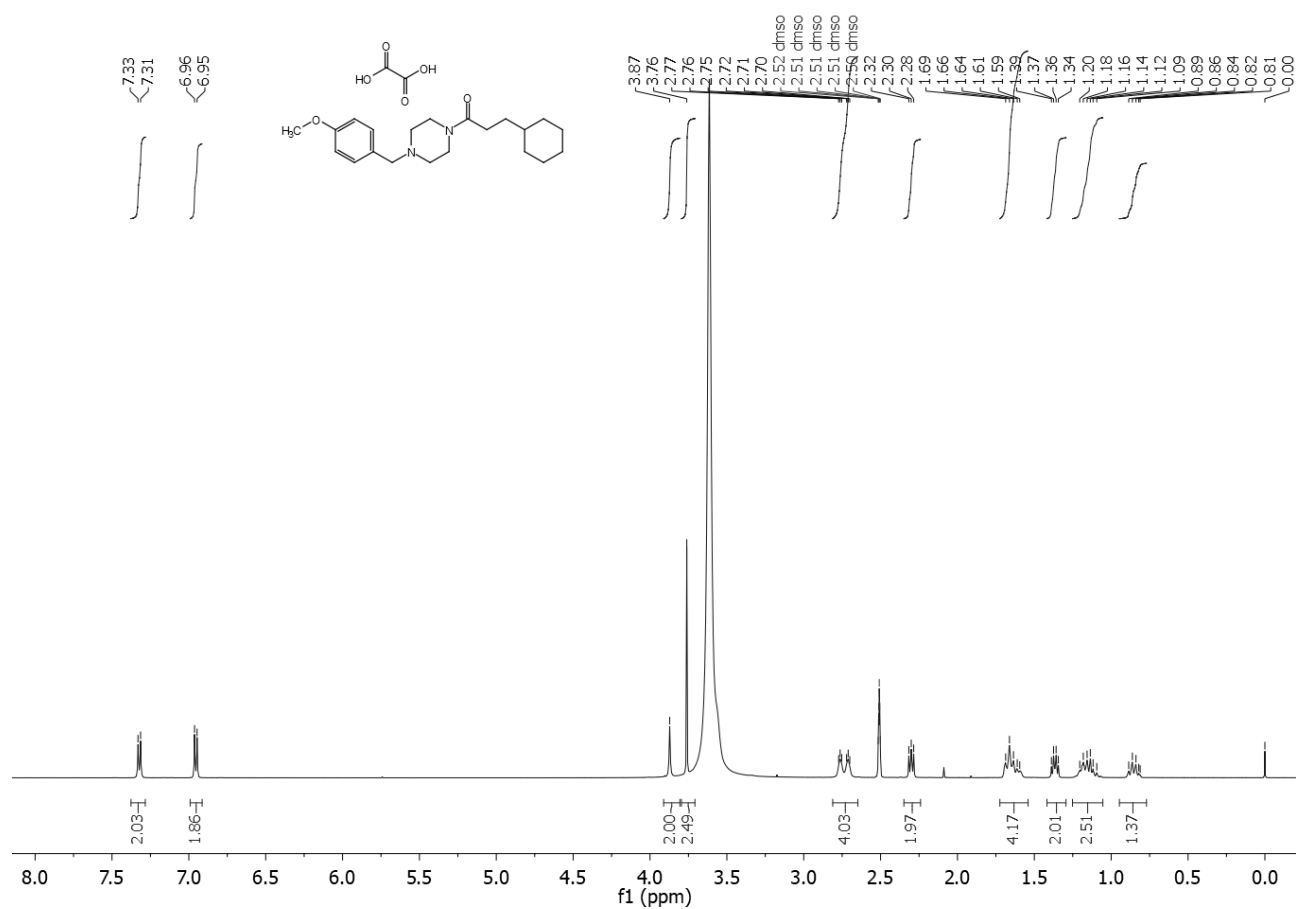


Figure S6. ^1H NMR spectrum of compound **15** (oxalate salt)

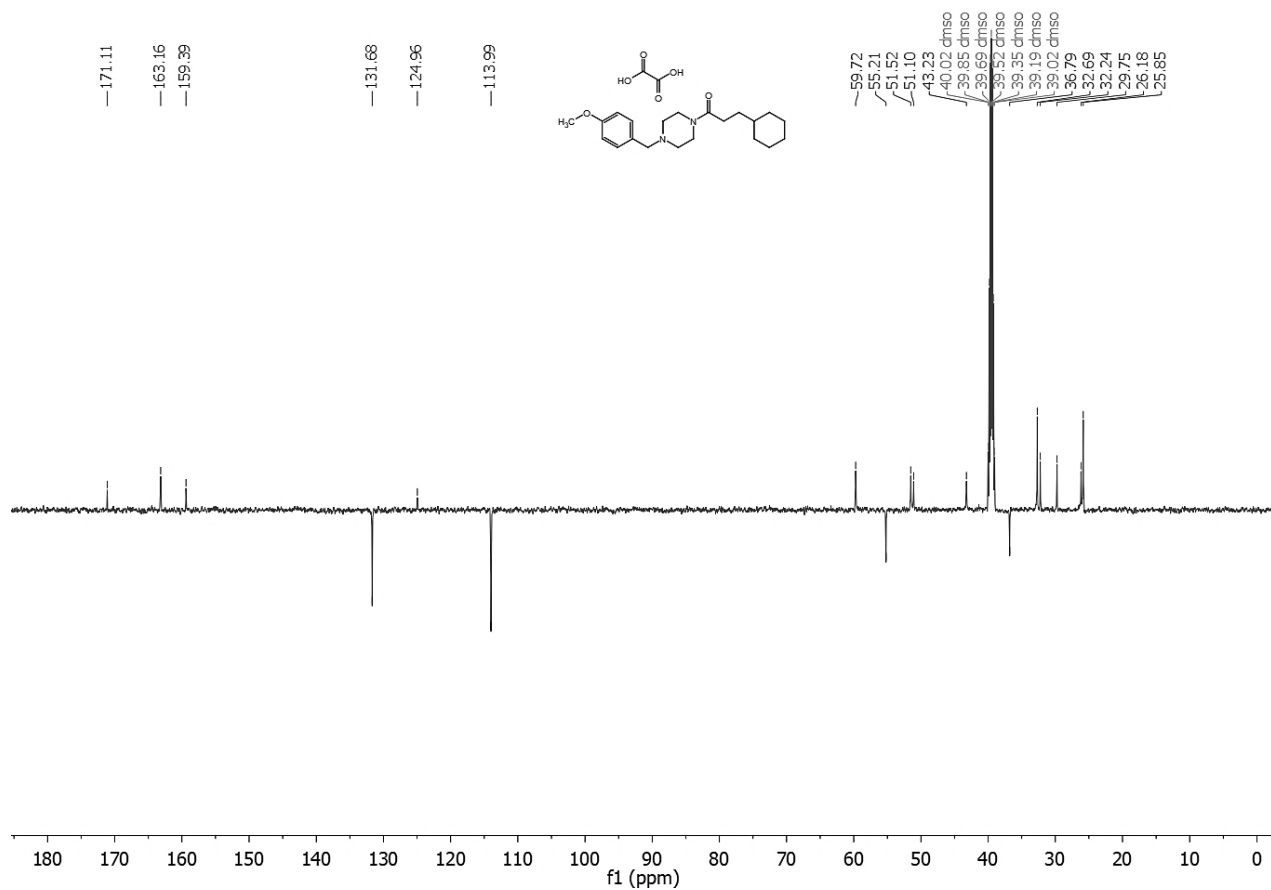


Figure S7. ^{13}C NMR spectrum of compound **15** (oxalate salt).

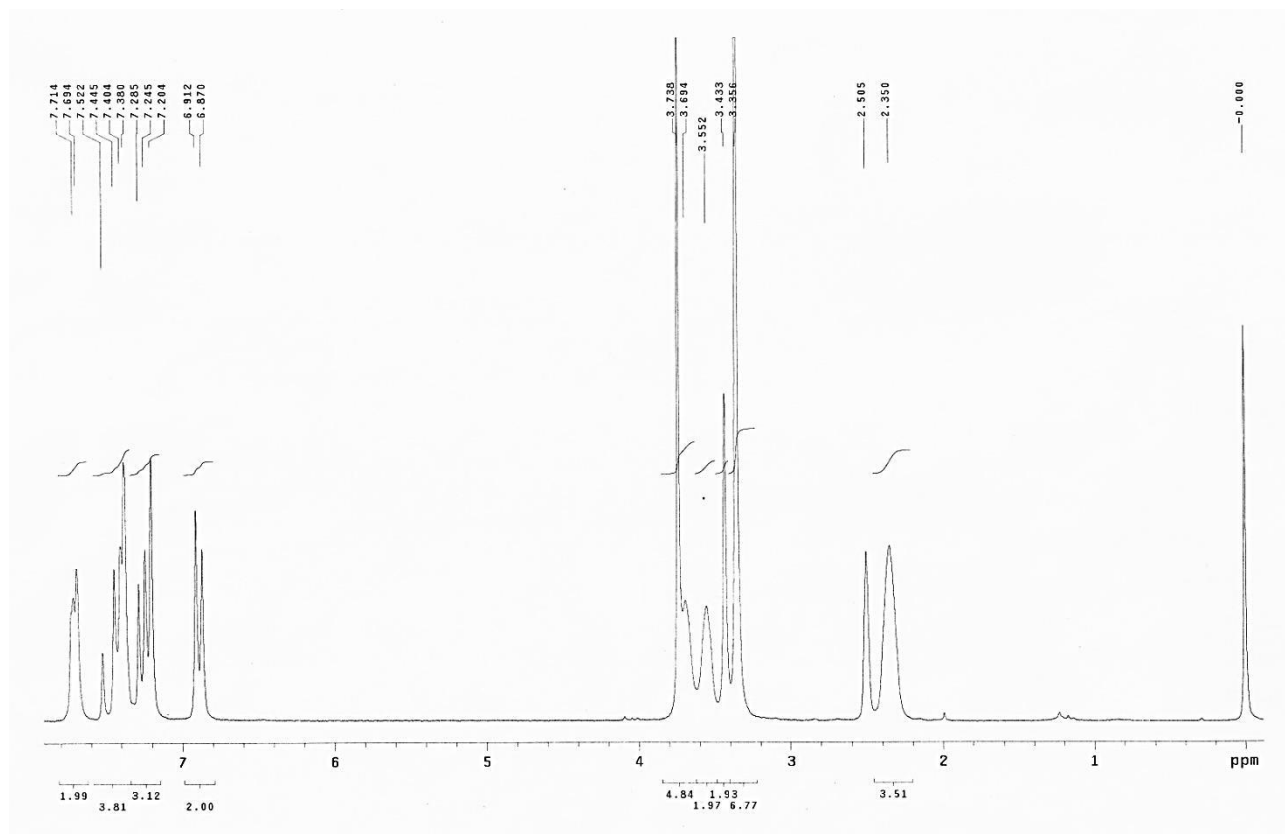


Figure S8. ^1H NMR spectrum of compound **16**

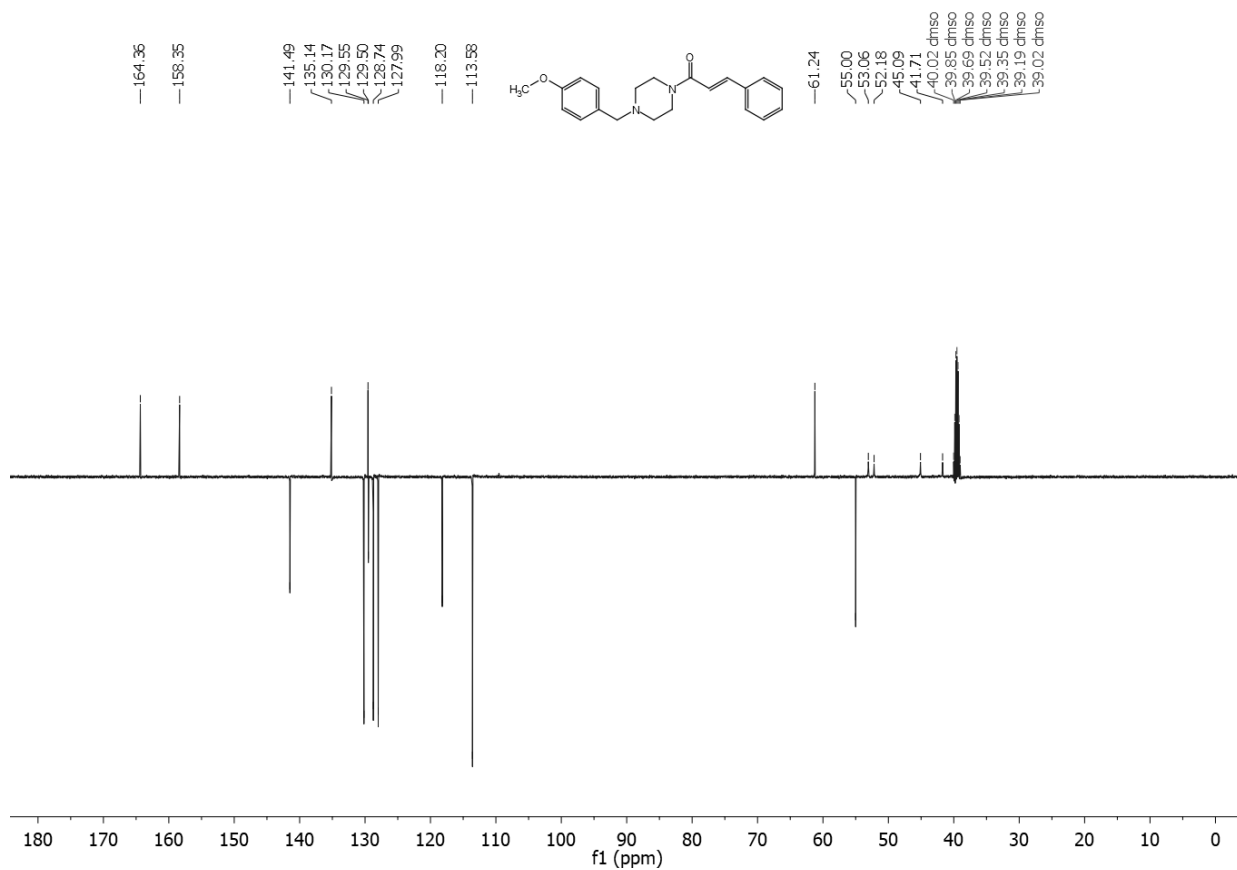


Figure S9. ¹³C NMR spectrum of compound 16

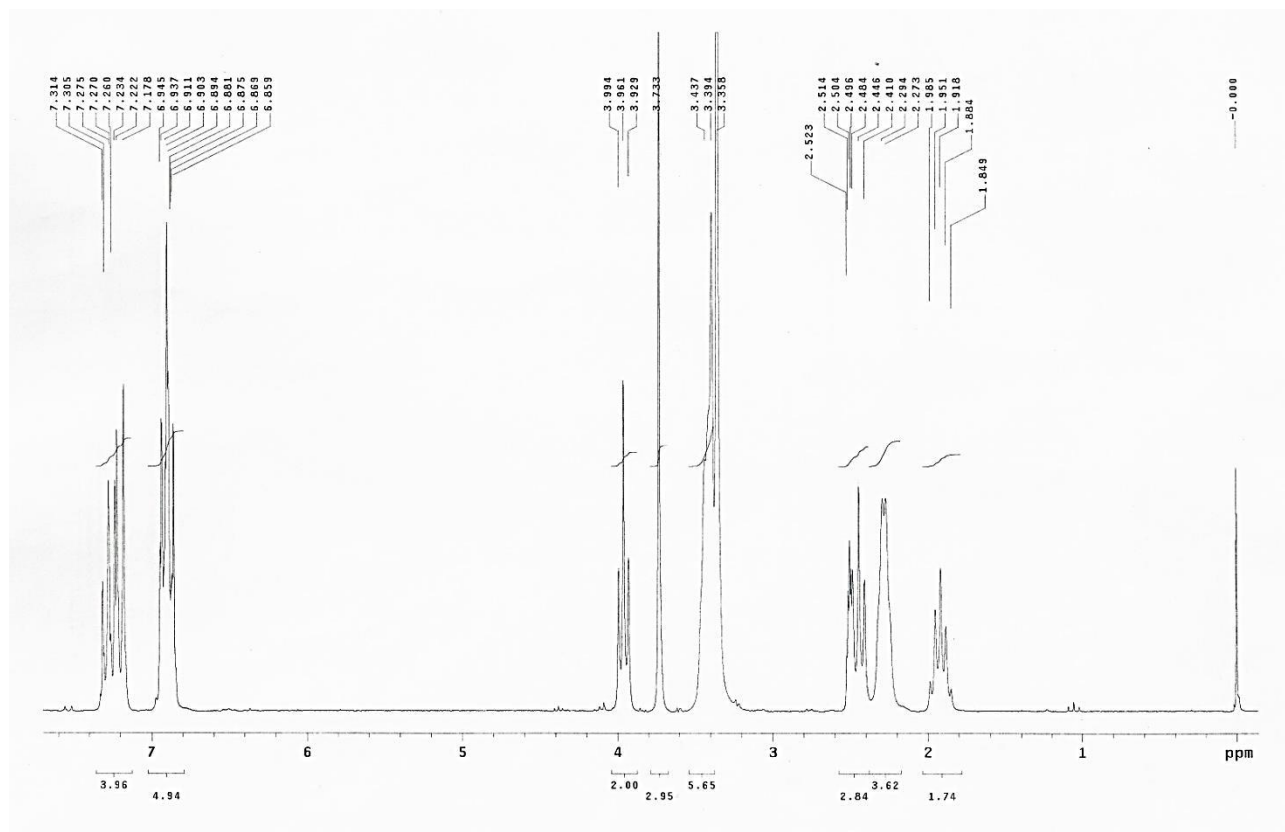


Figure S10. ¹H NMR spectrum of compound 20

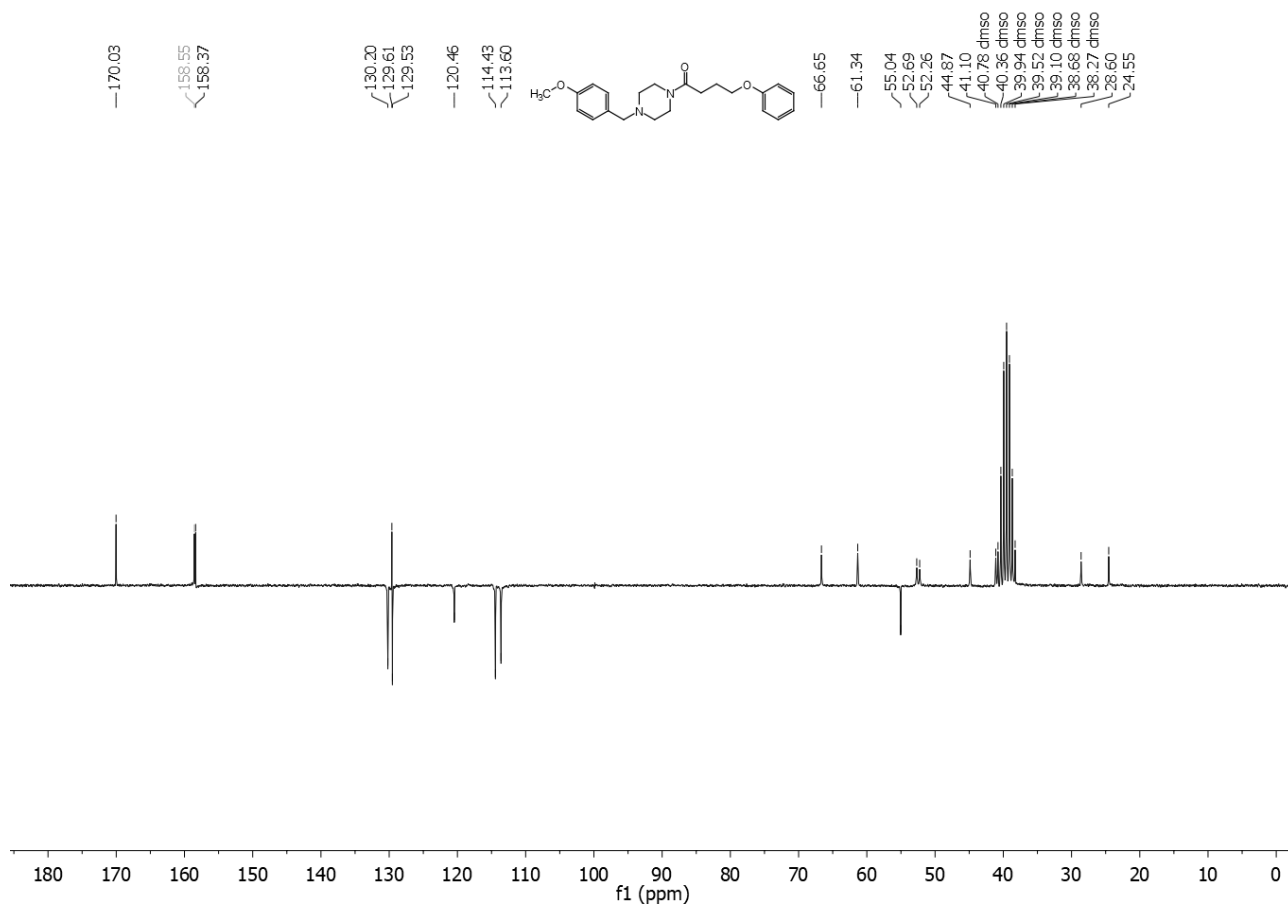


Figure S11. ¹³C NMR spectrum of compound 20

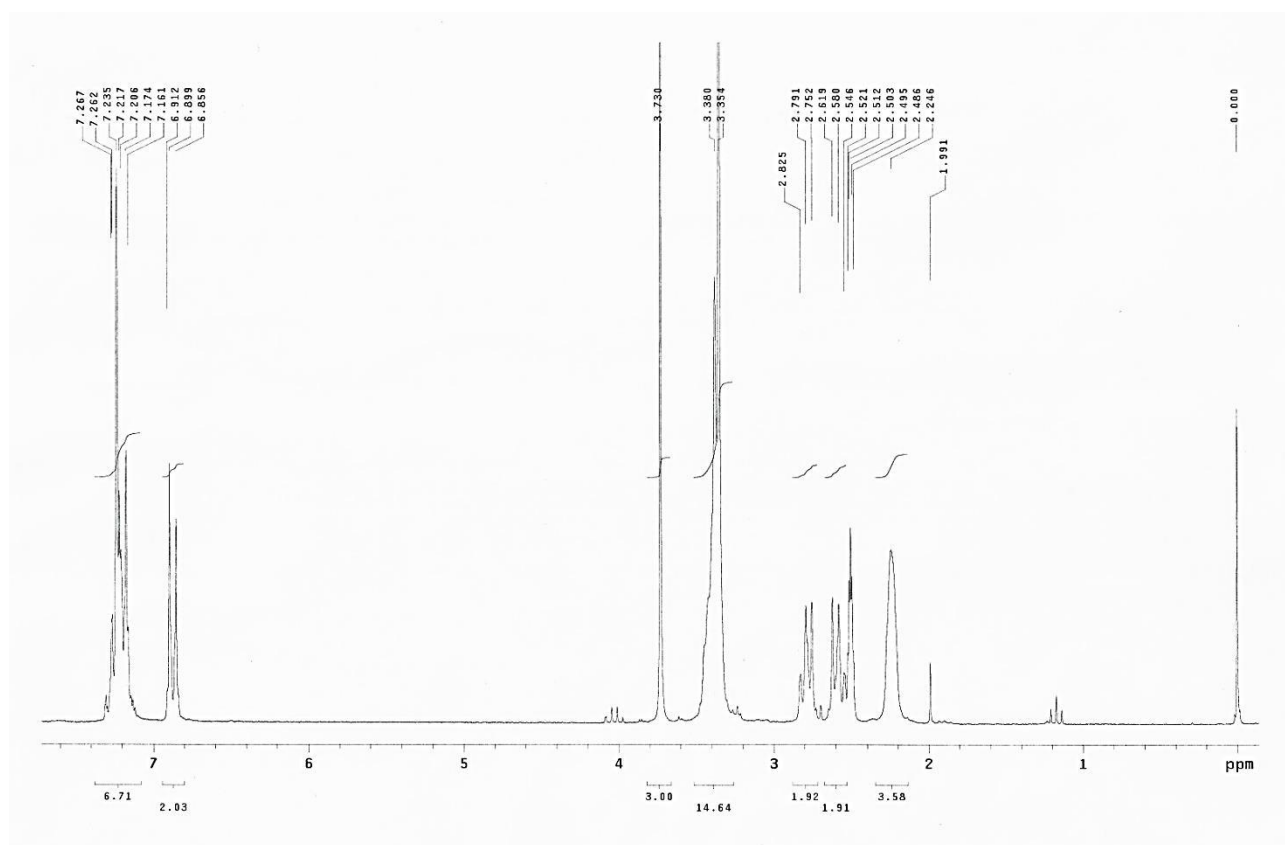


Figure S12. ¹H NMR spectrum of compound 21

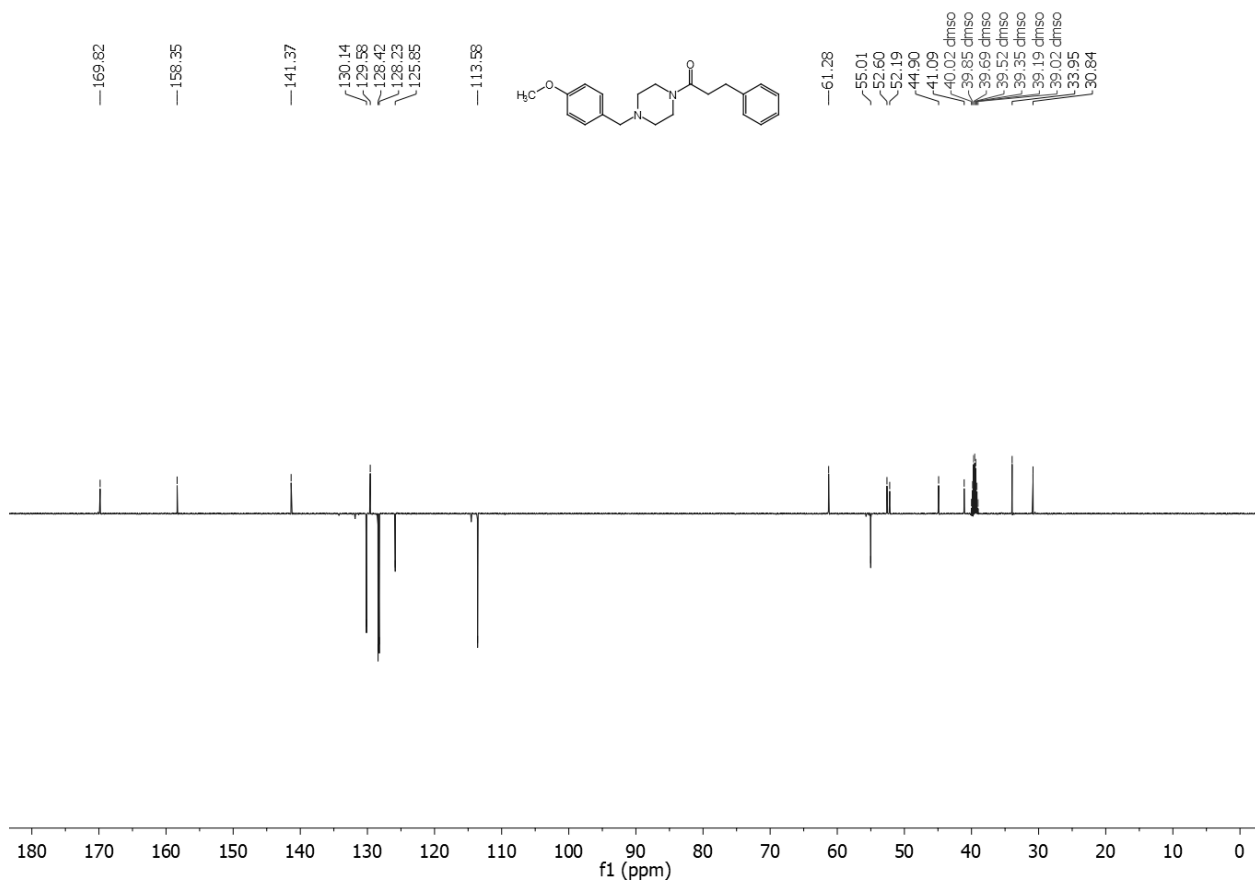


Figure S13. ^{13}C NMR spectrum of compound 21

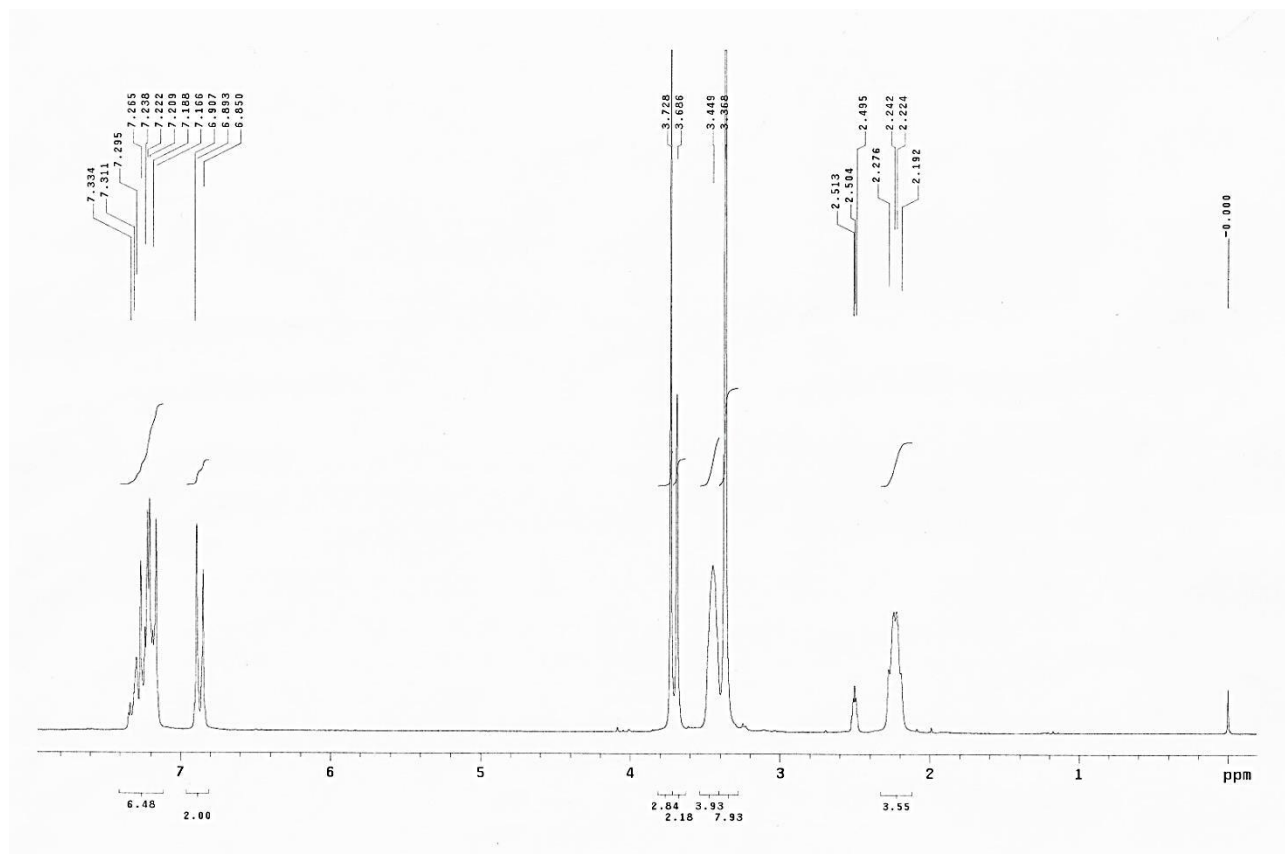


Figure S14. ^1H NMR spectrum of compound 22

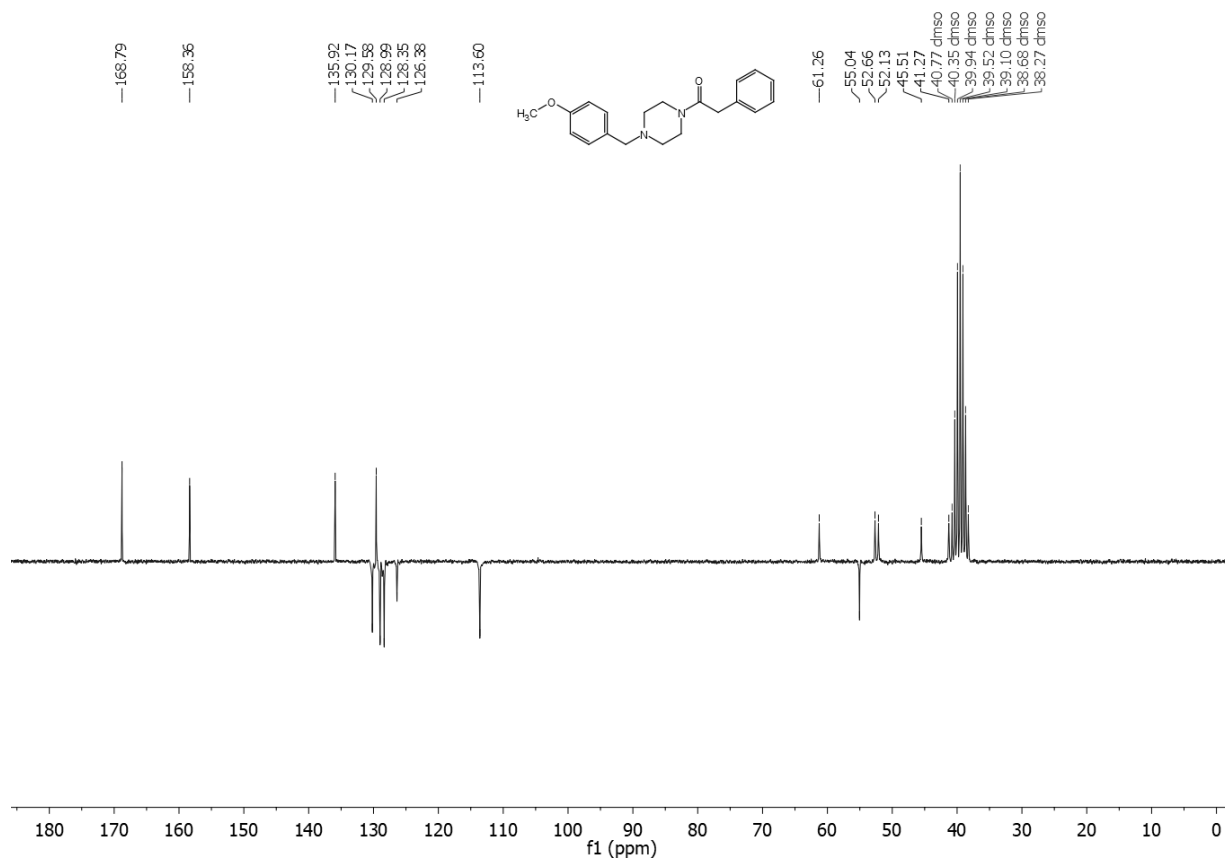


Figure S15. ¹³C NMR spectrum of compound 22

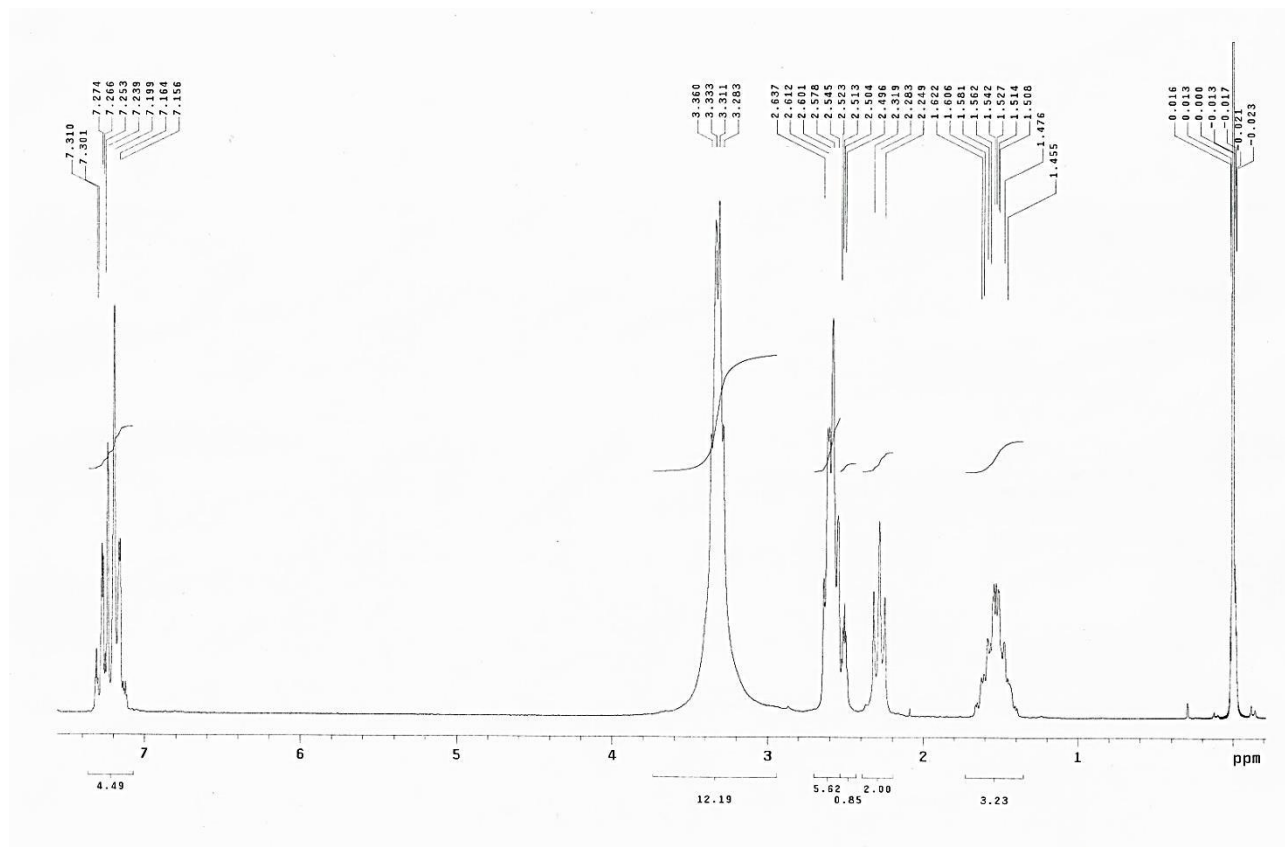


Figure S16. ¹H NMR spectrum of compound 23

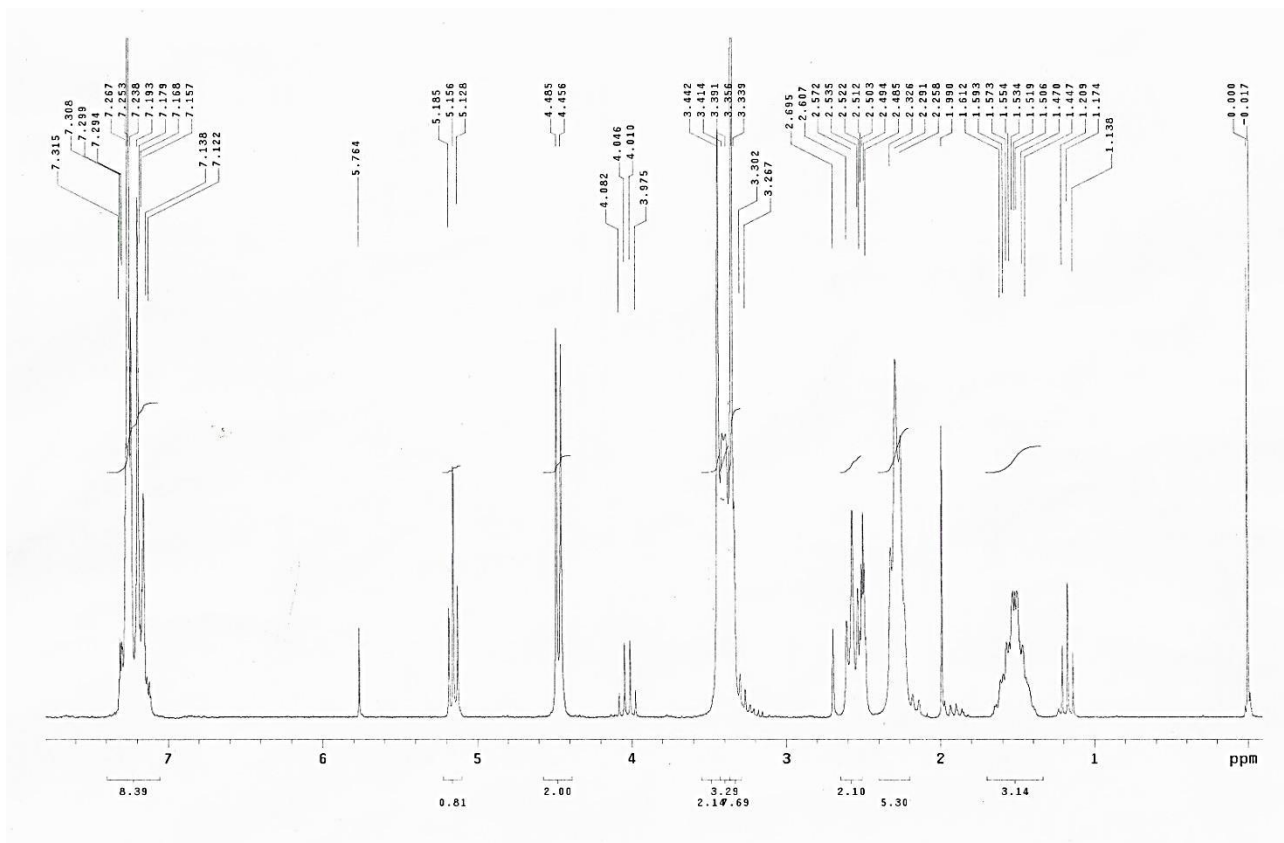


Figure S17. ^1H NMR spectrum of compound 24

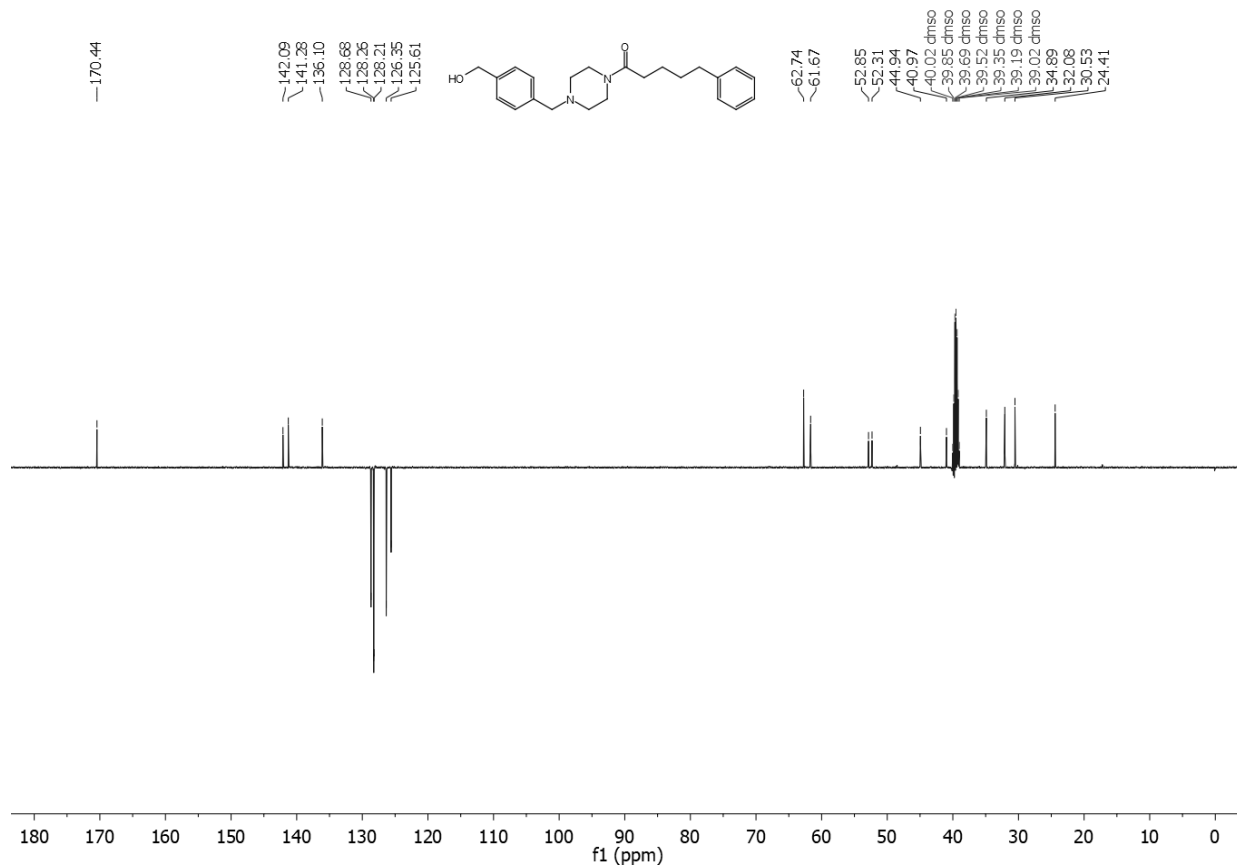


Figure S18. ^{13}C NMR spectrum of compound 24