

Supplementary Materials

^1H - and ^{13}C -NMR spectra

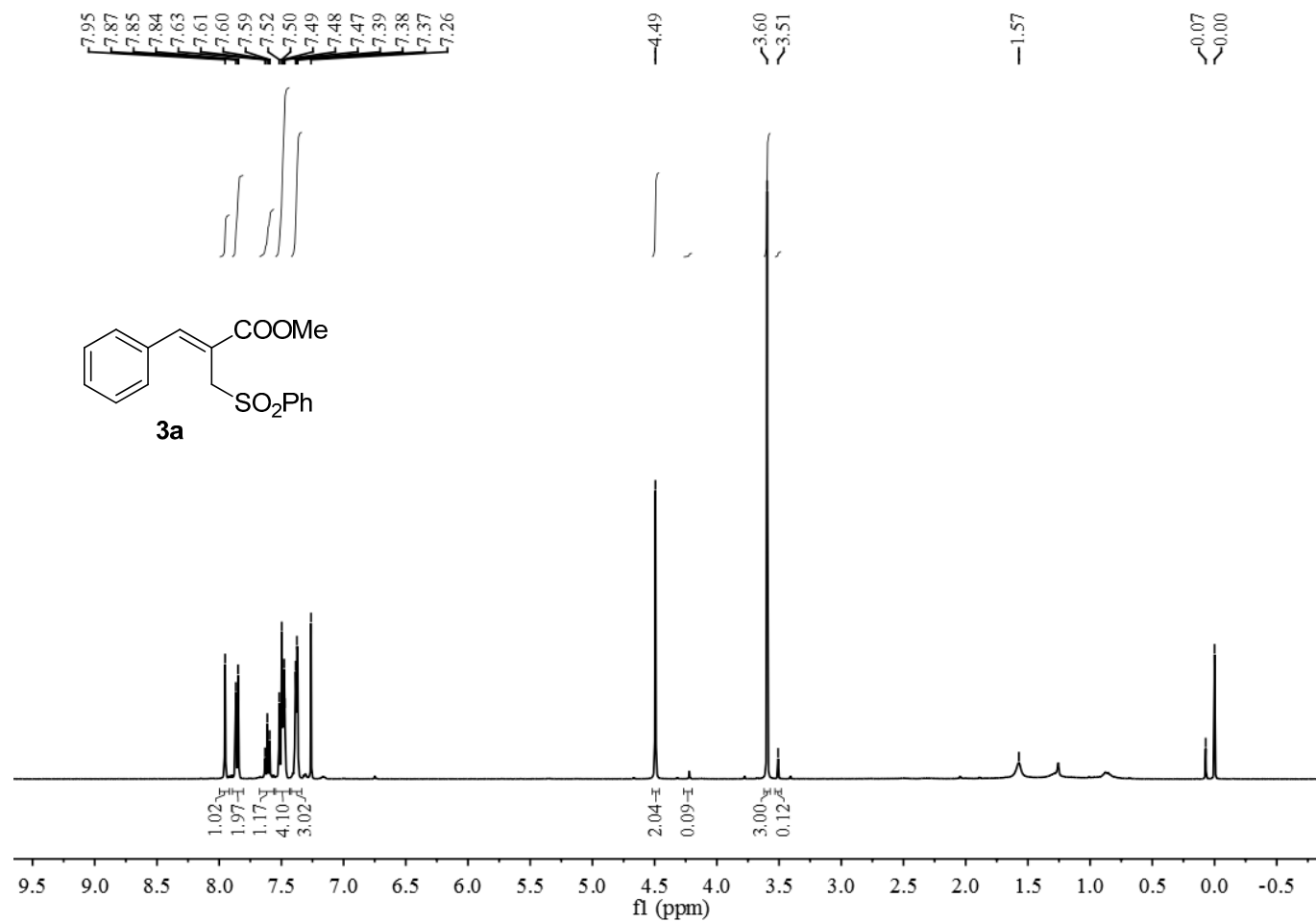


Figure S1. ^1H -NMR spectrum of compound **3a**.

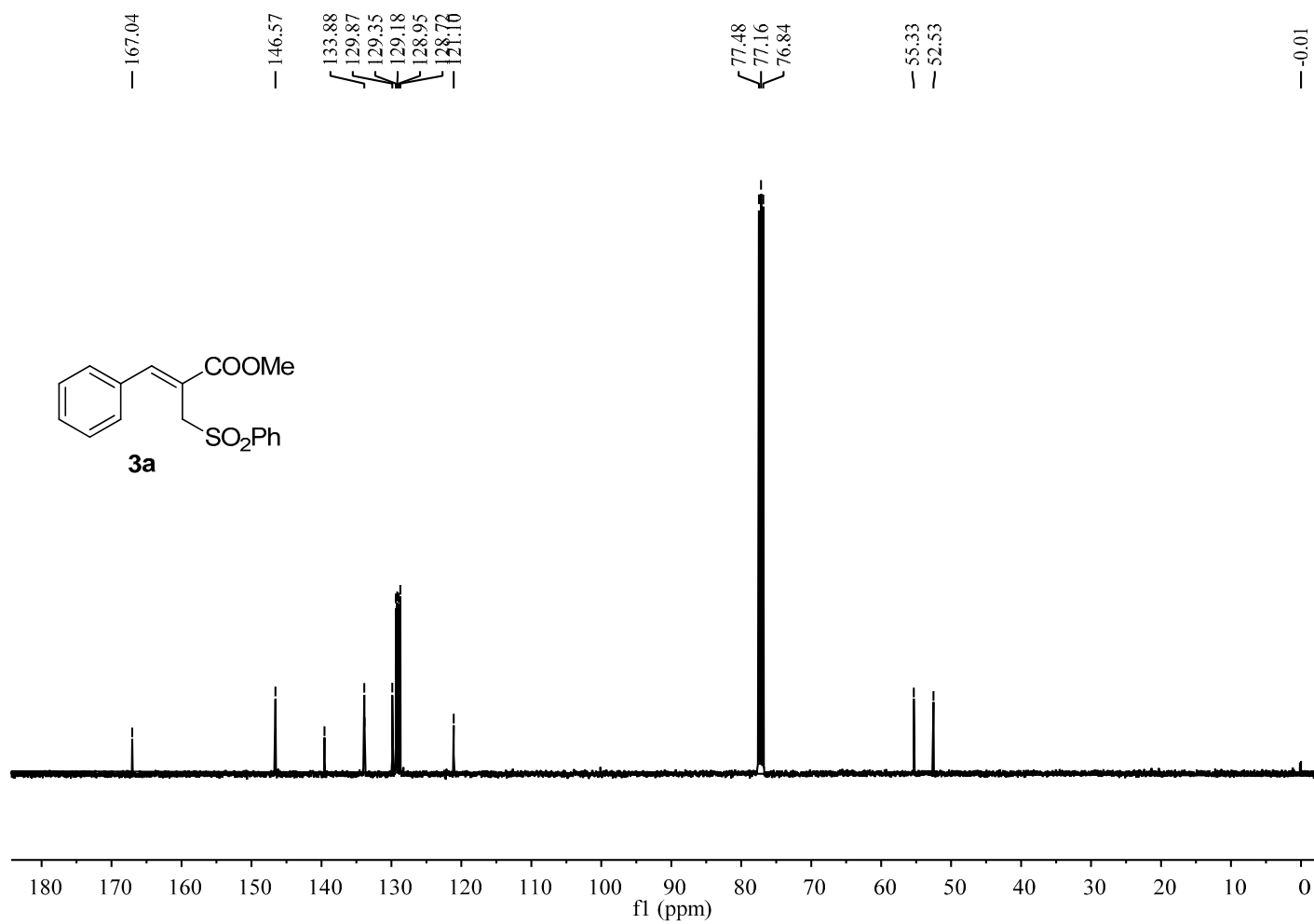


Figure S2. ¹³C-NMR spectrum of compound **3a**.

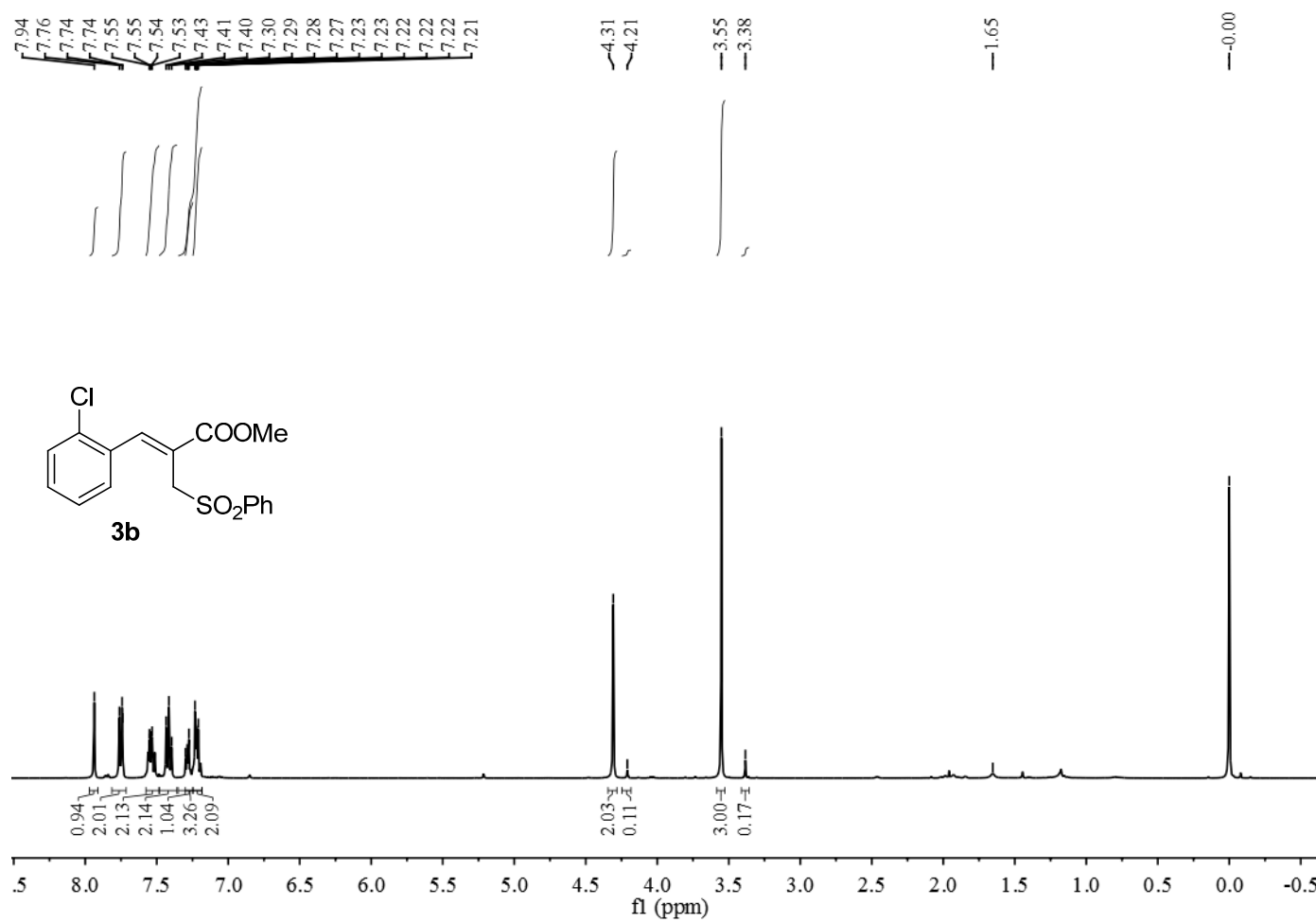


Figure S3. ¹H NMR spectrum of compound **3b**.

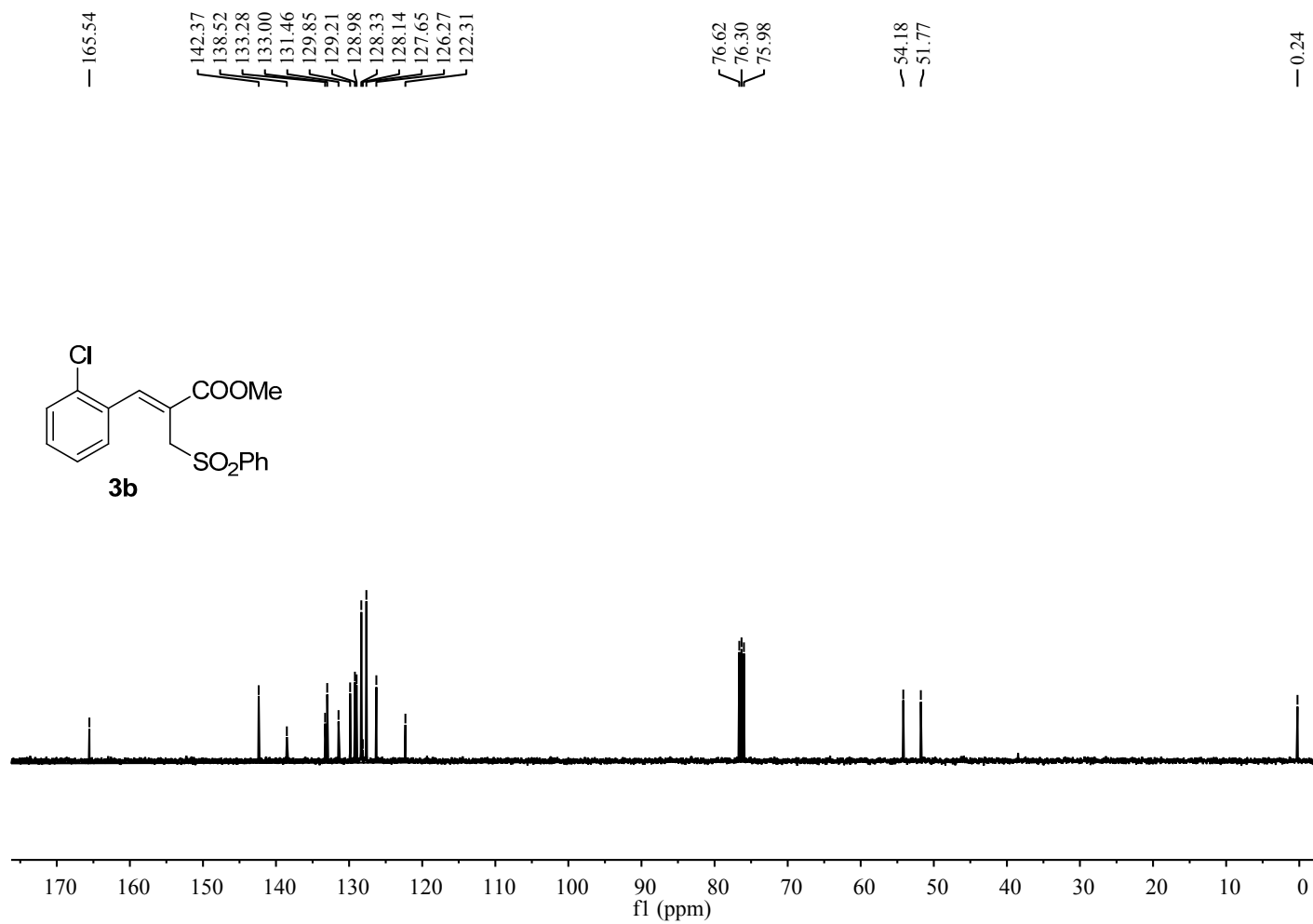


Figure S4. ^{13}C -NMR spectrum of compound **3b**.

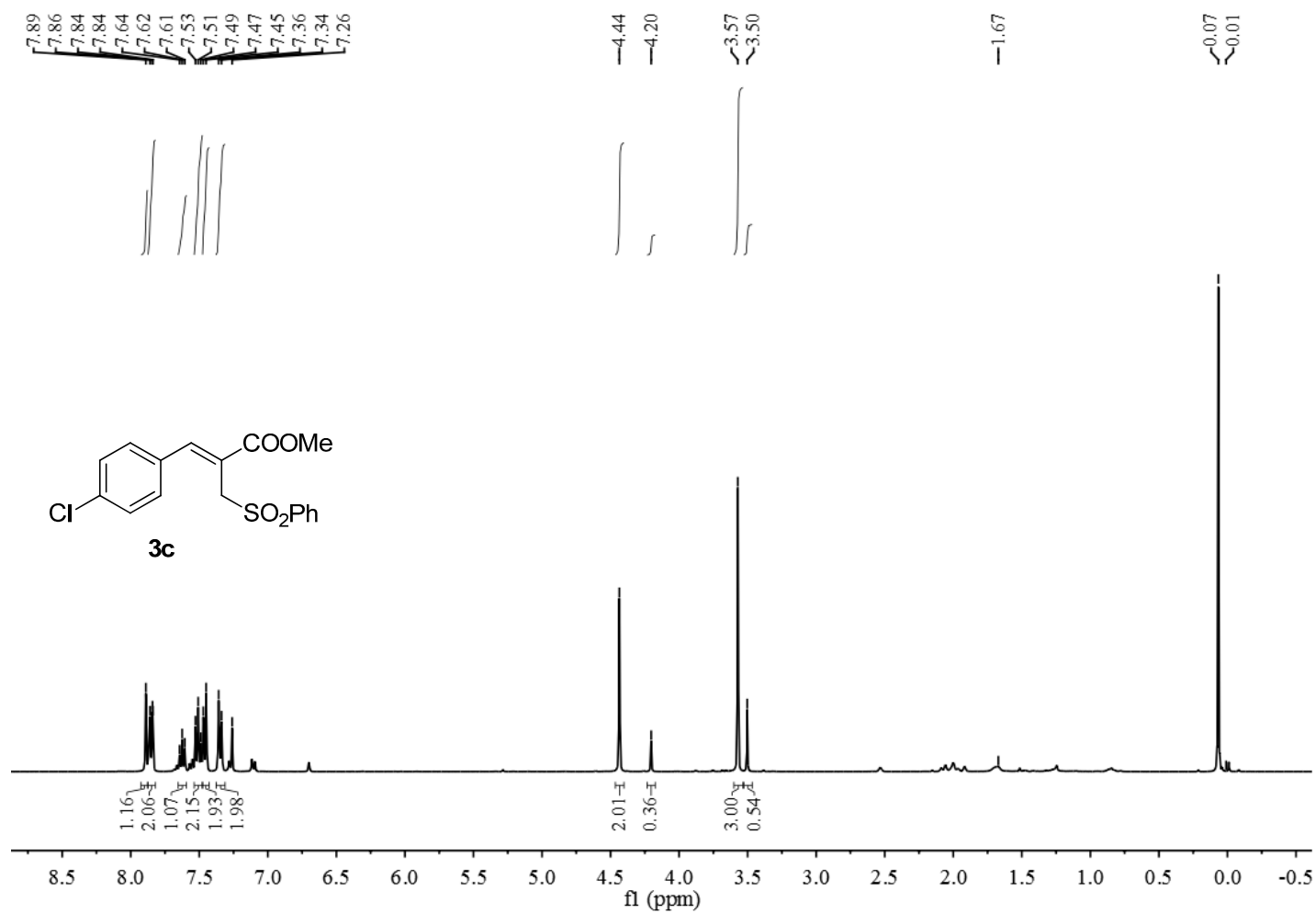


Figure S5. ¹H-NMR spectrum of compound **3c**.

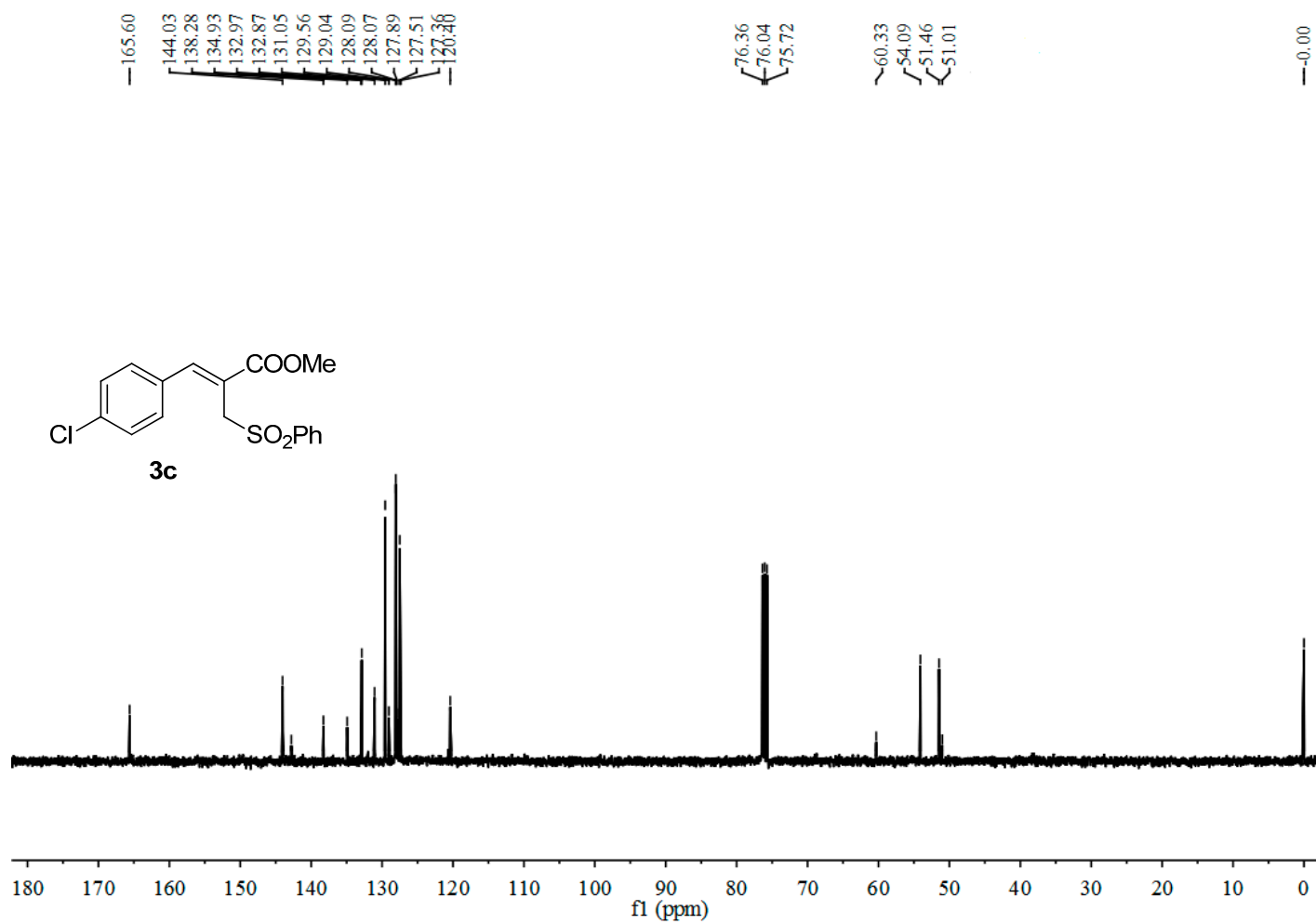


Figure S6. ^{13}C -NMR spectrum of compound **3c**.

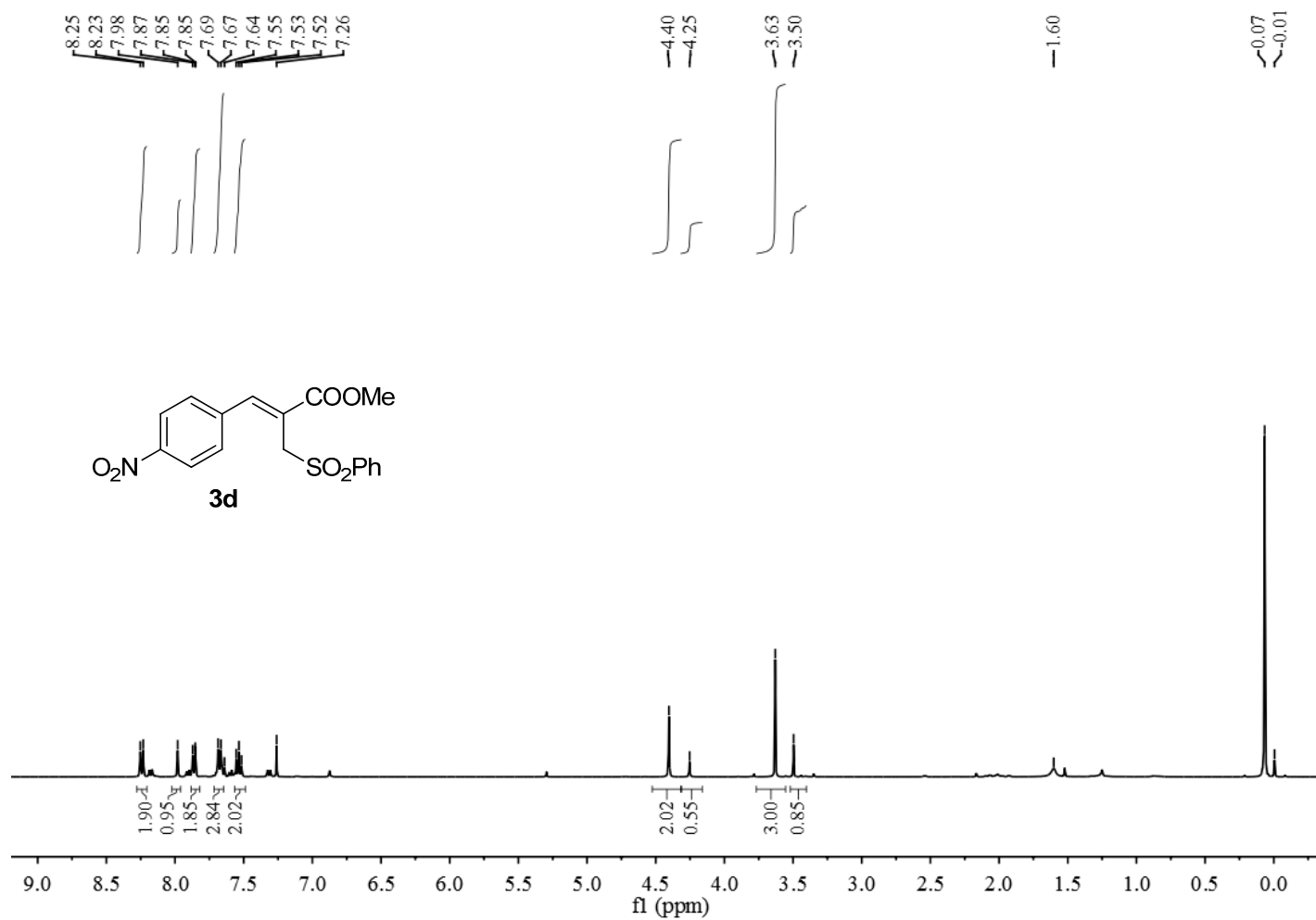


Figure S7. ¹H-NMR spectrum of compound **3d**.

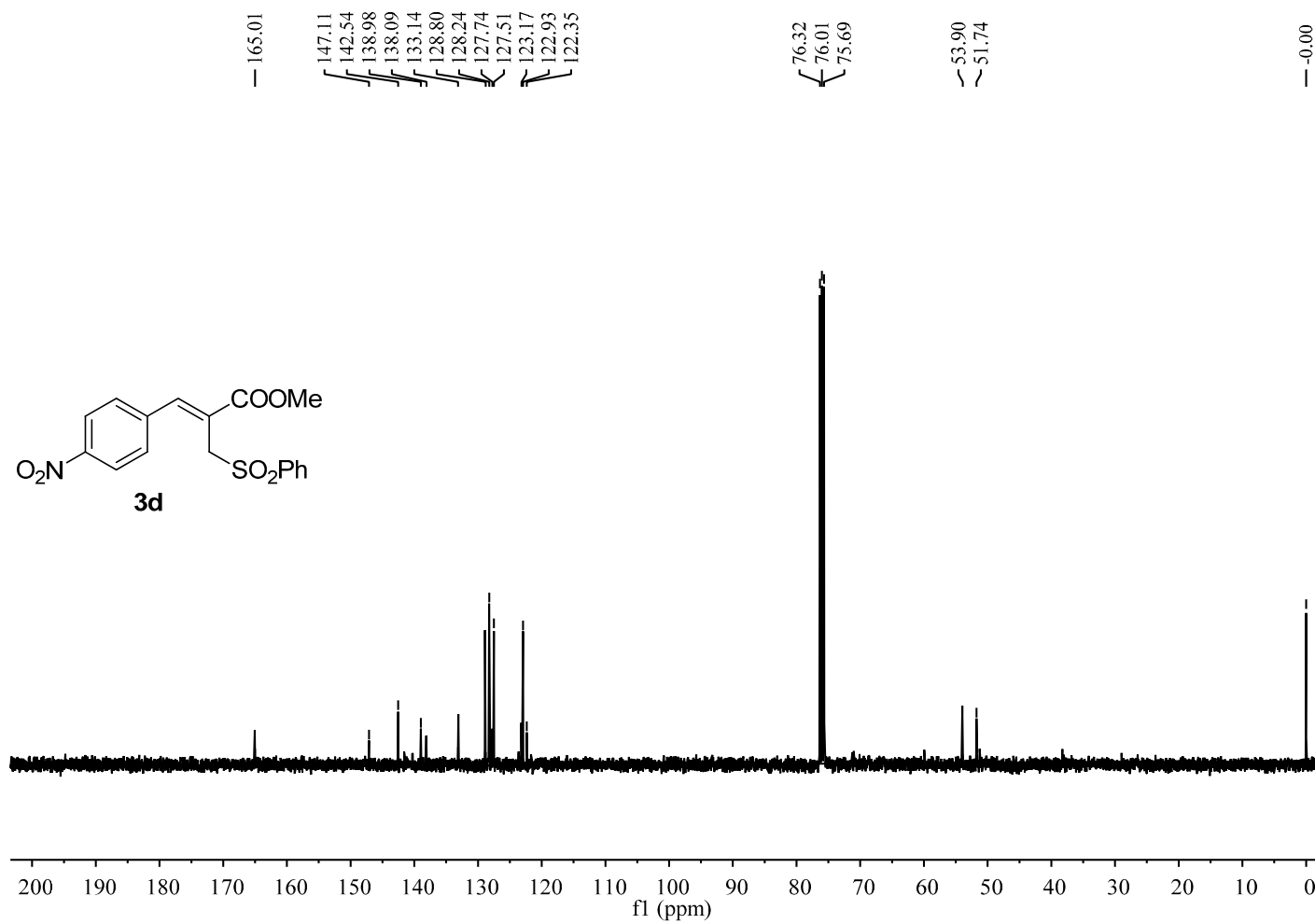


Figure S8. ¹³C-NMR spectrum of compound **3d**.

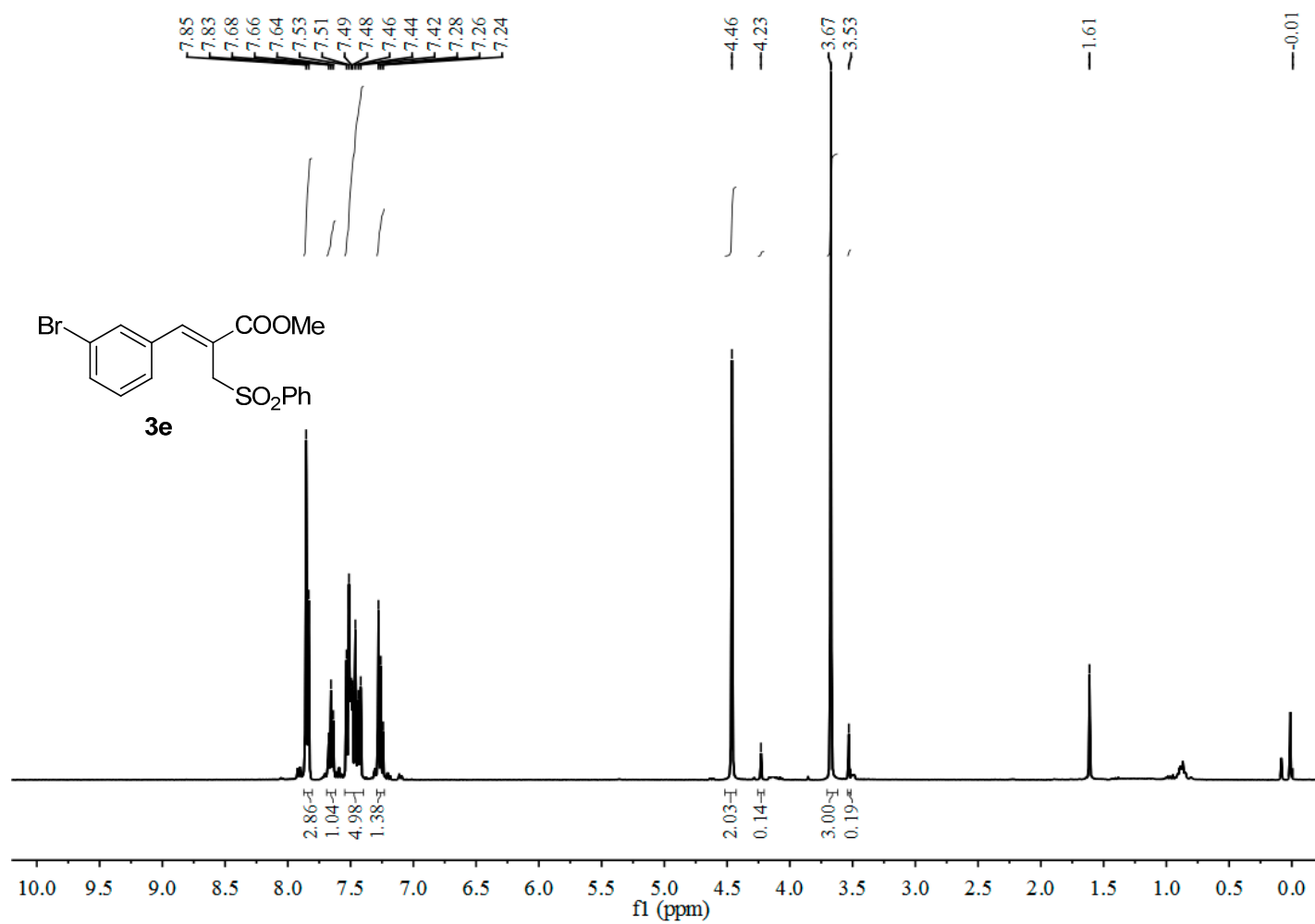


Figure S9. ¹H-NMR spectrum of compound **3e**.

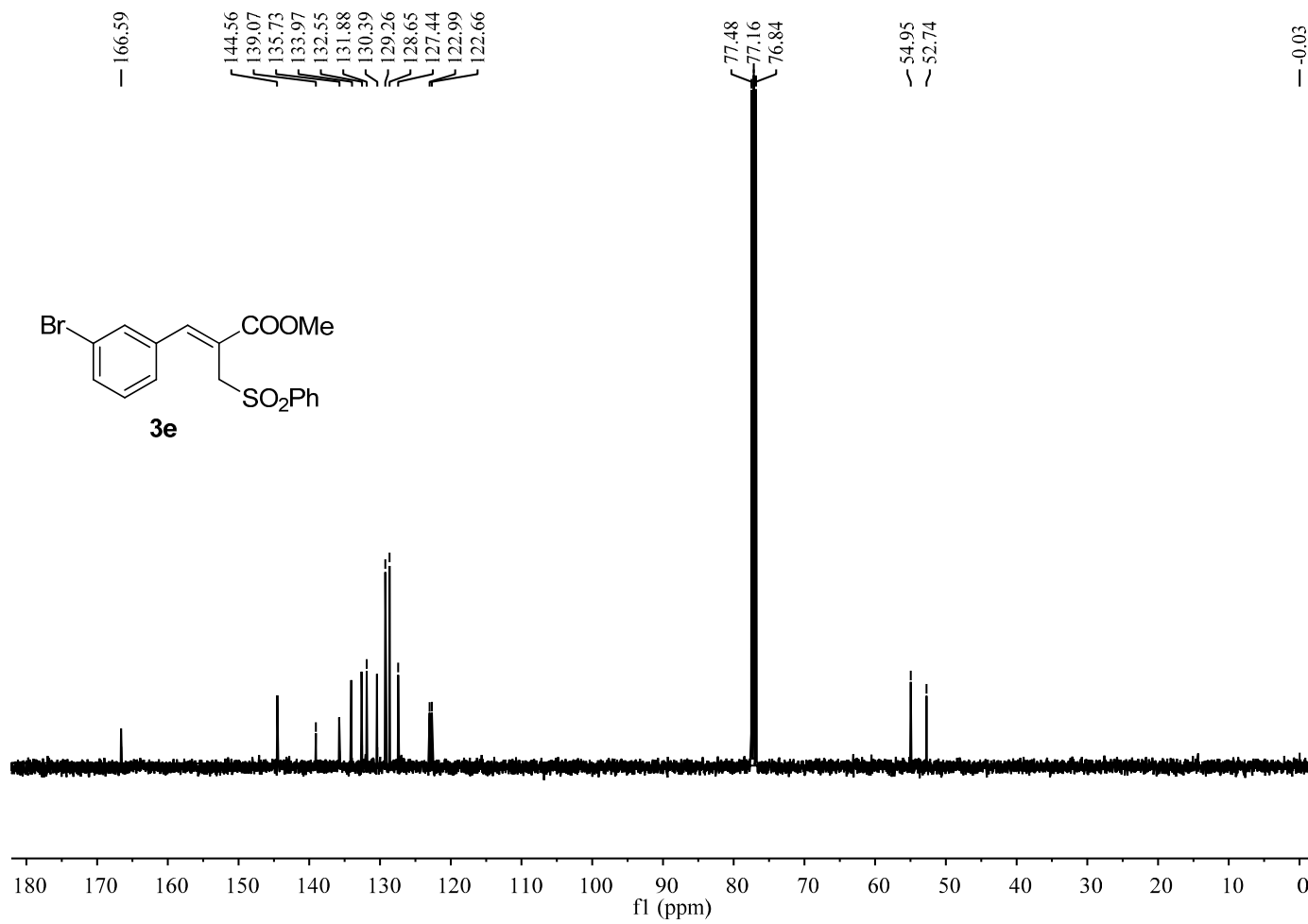


Figure S10. ^{13}C -NMR spectrum of compound **3e**.

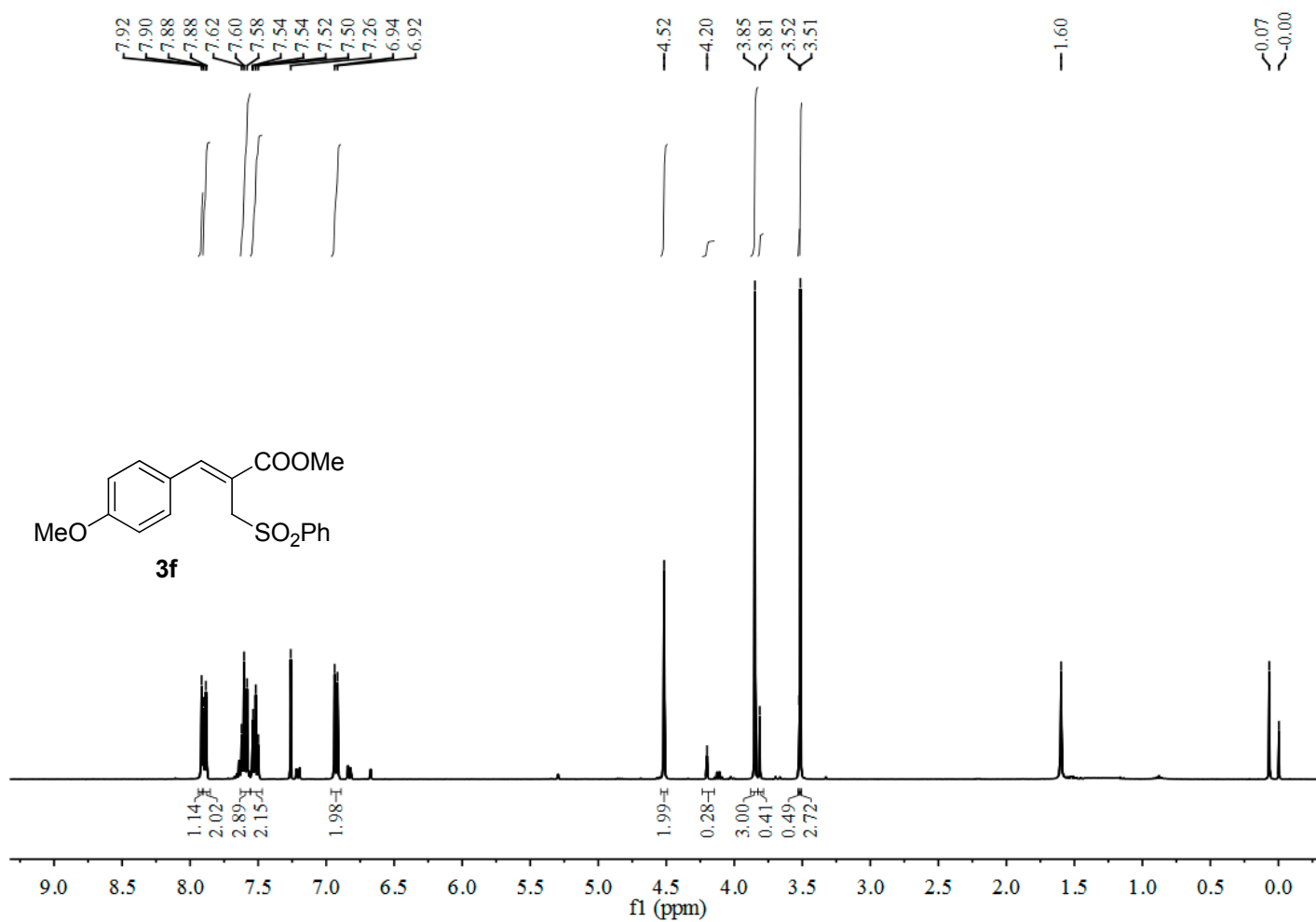


Figure S11. ¹H-NMR spectrum of compound **3f**.

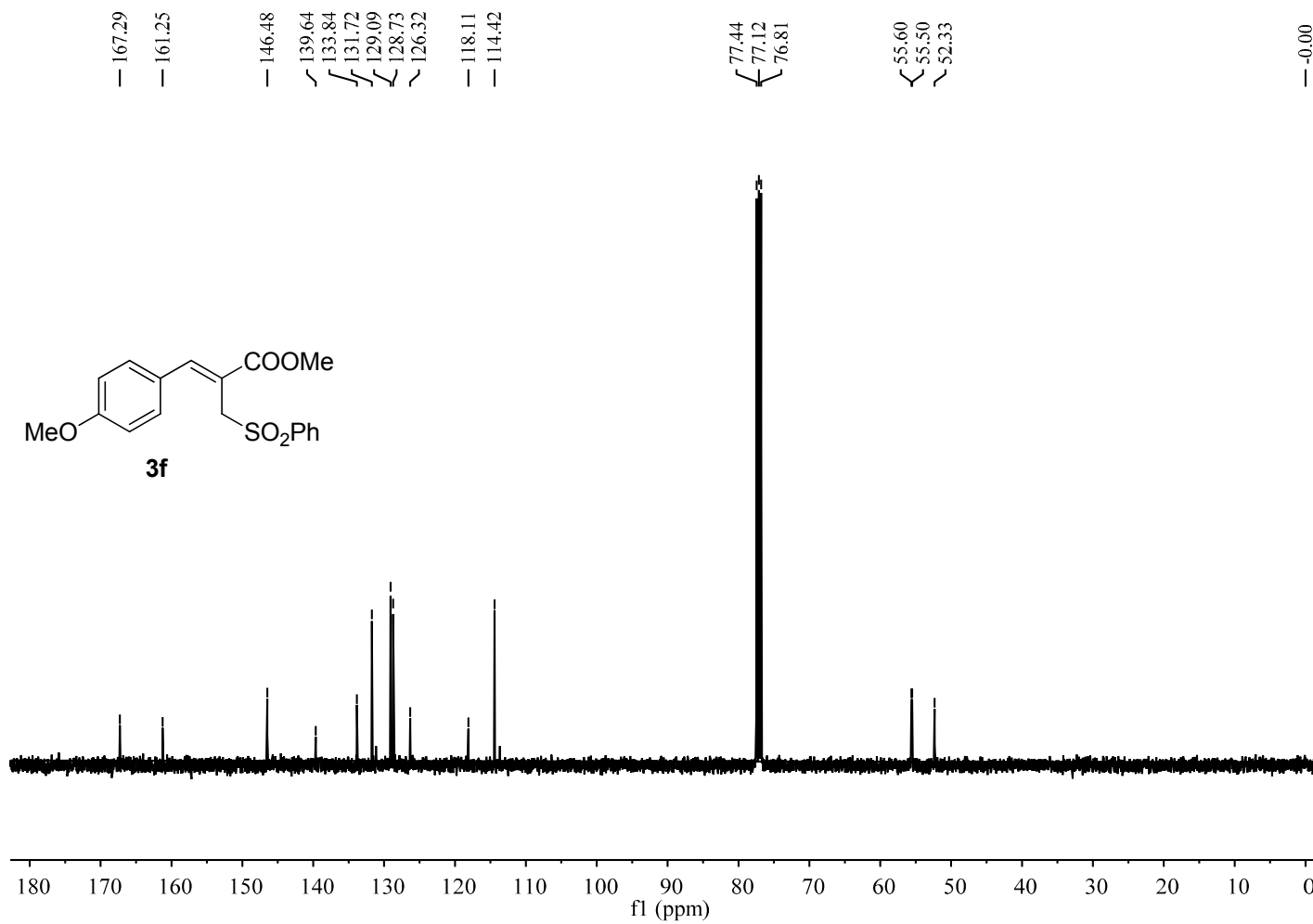


Figure S12. ^{13}C -NMR spectrum of compound **3f**.

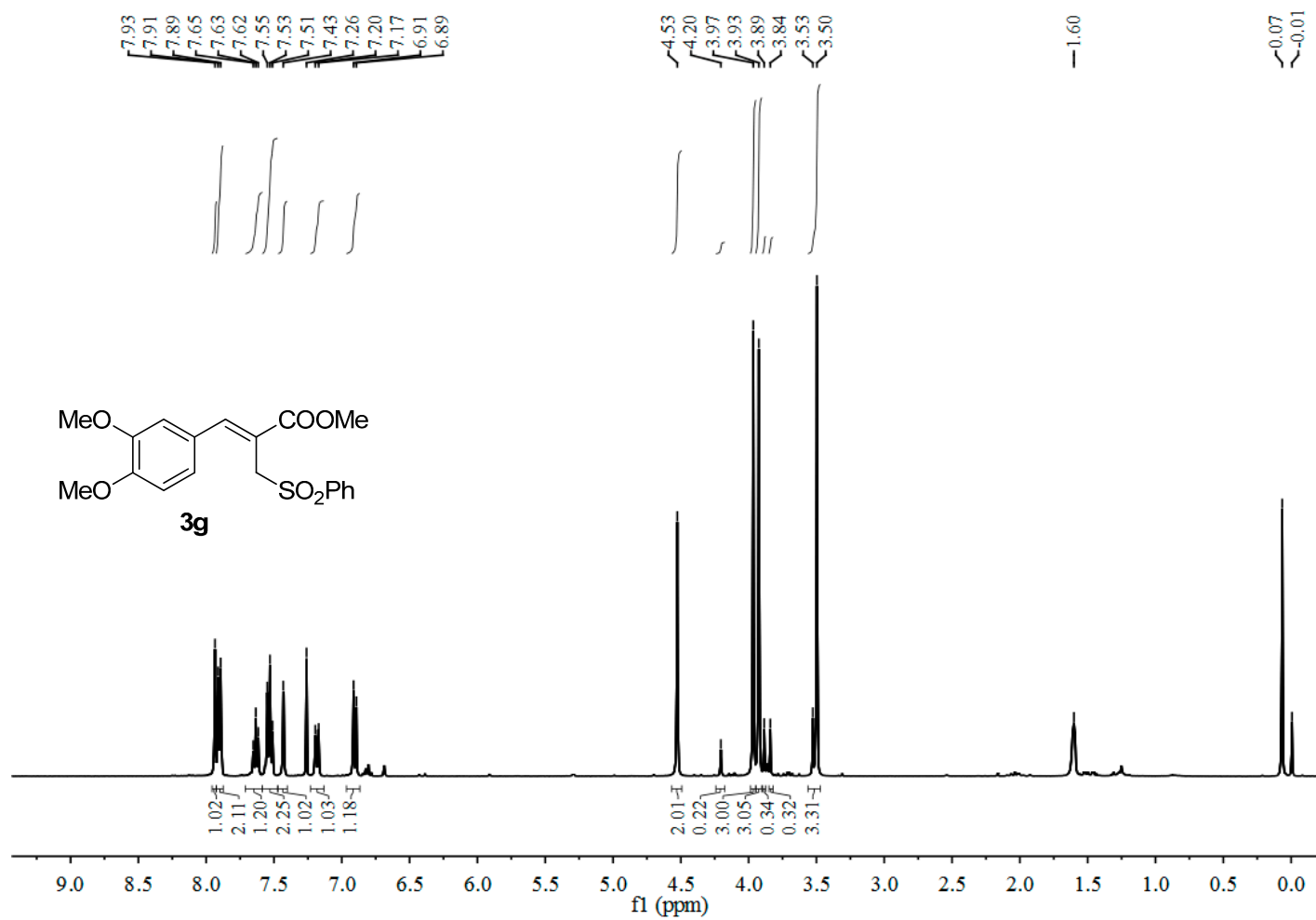


Figure S13. ¹H-NMR spectrum of compound **3g**.

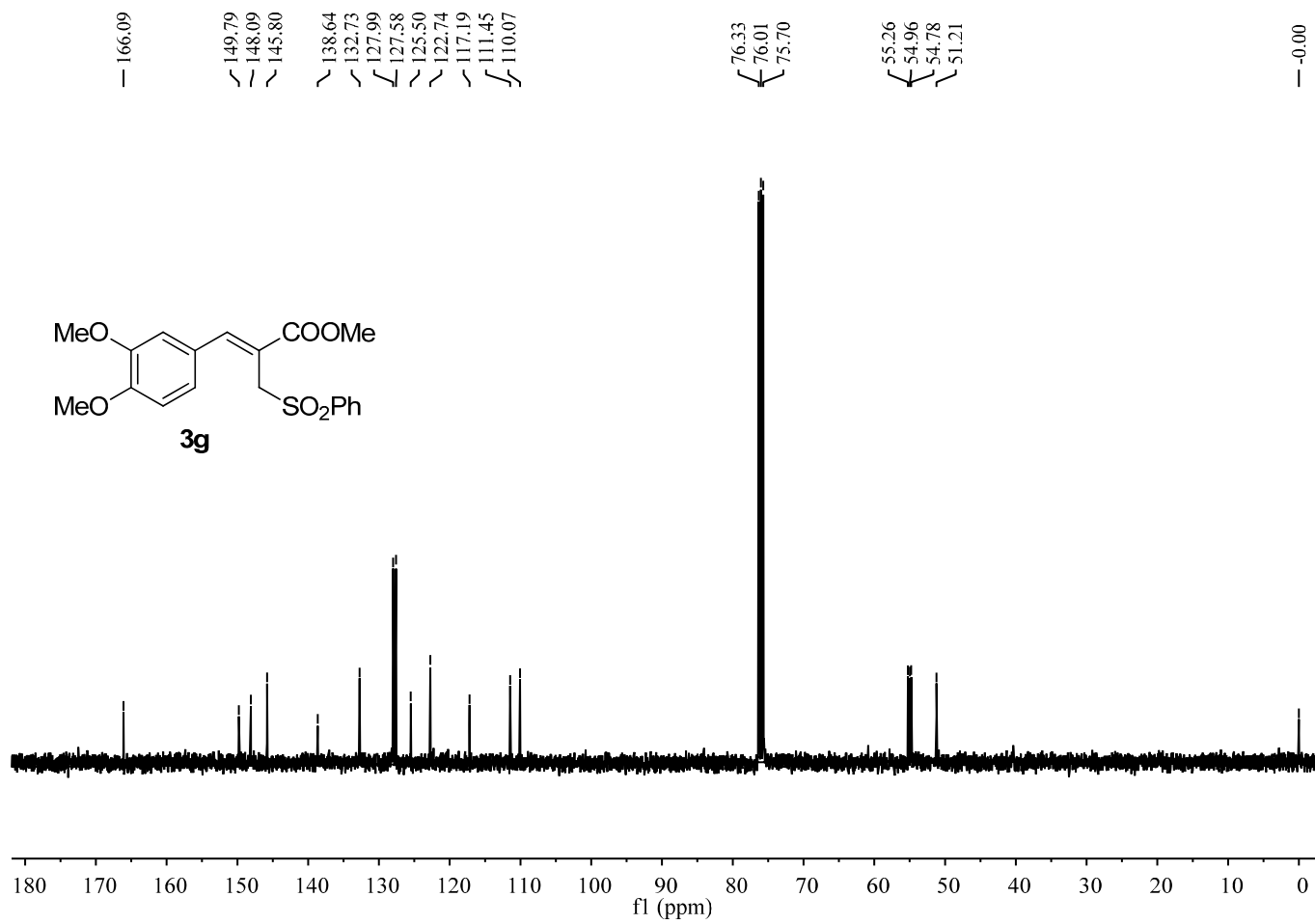
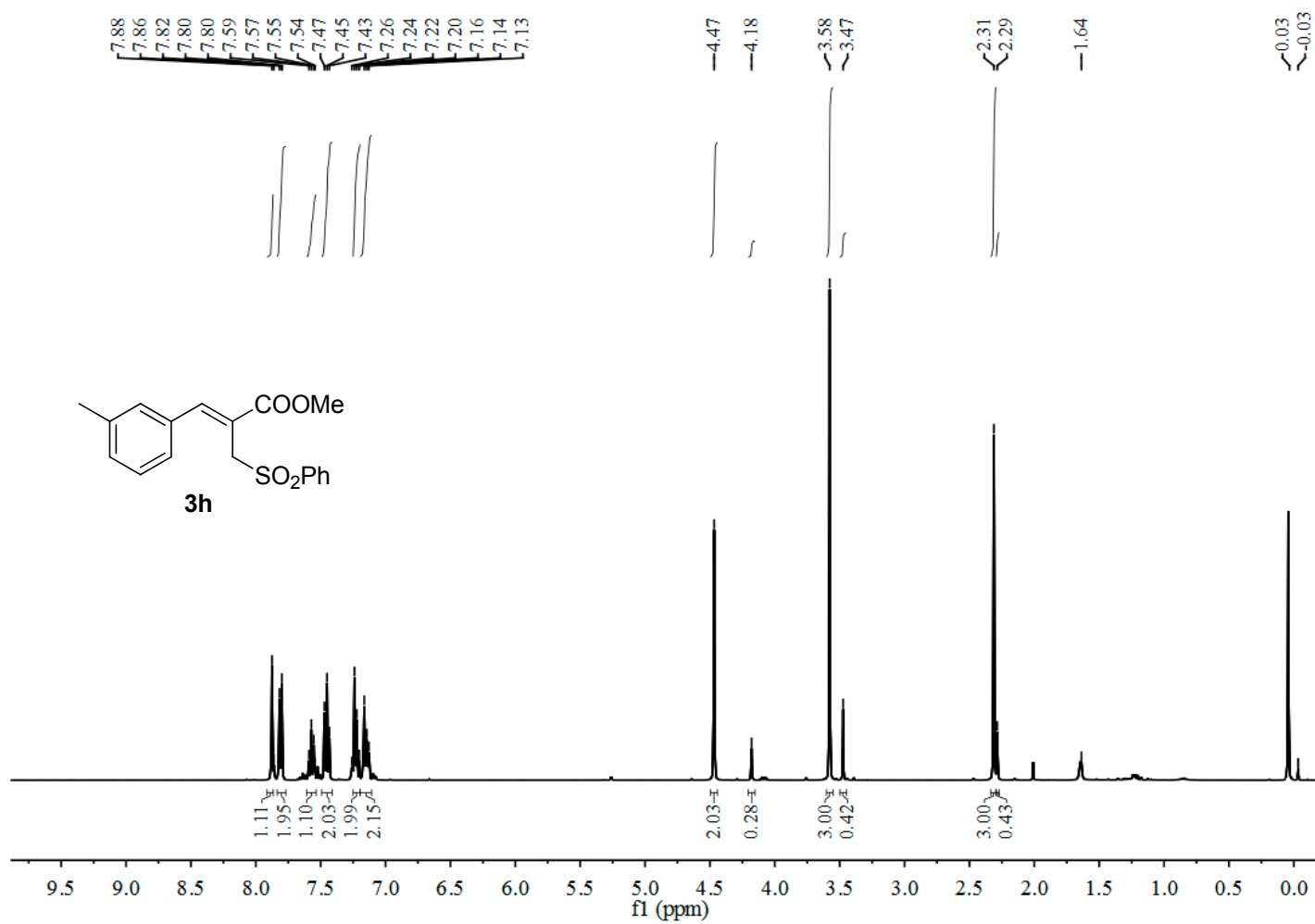


Figure S14. ^{13}C -NMR spectrum of compound **3g**.

Figure S15. ¹H-NMR spectrum of compound **3h**.

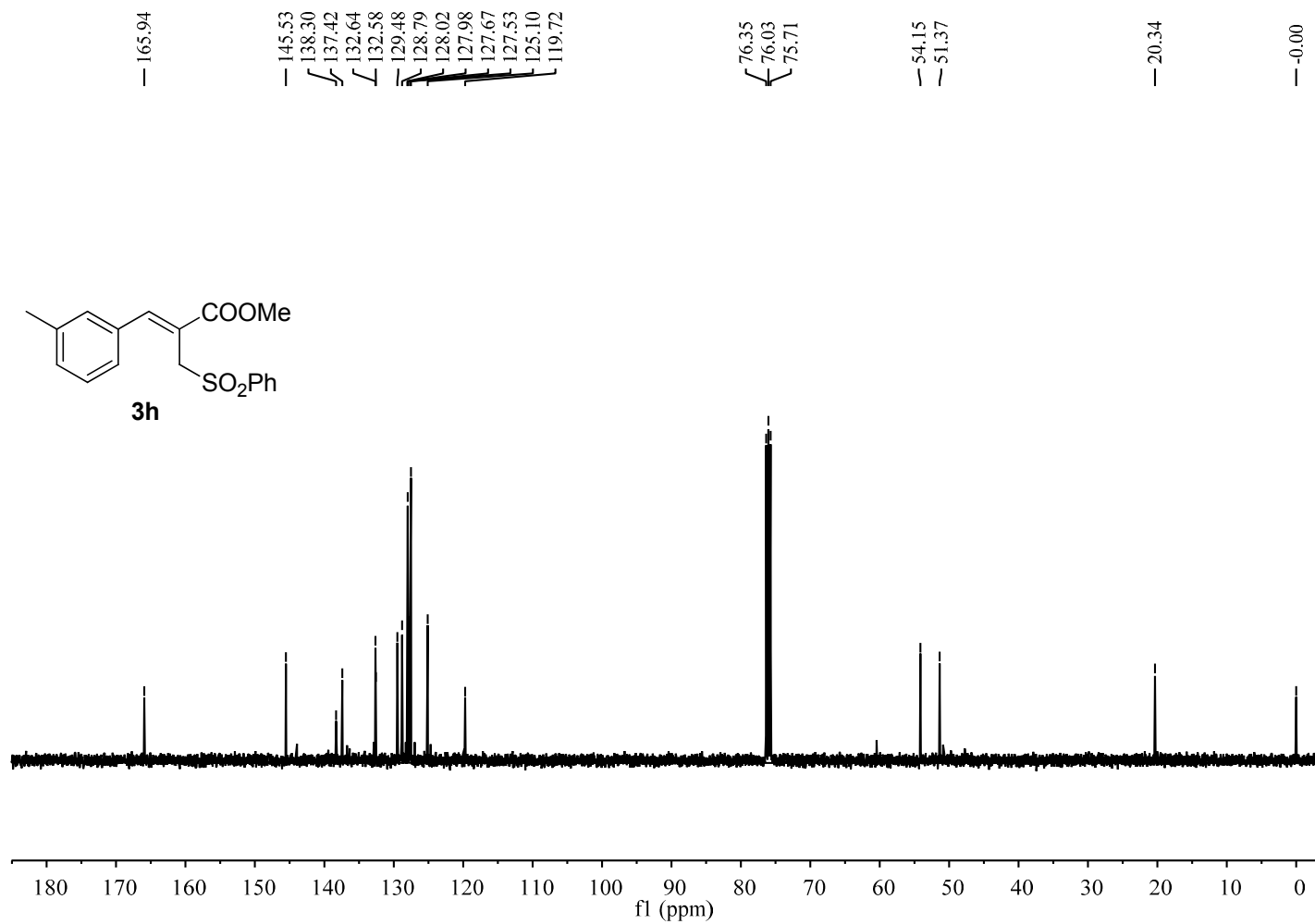


Figure S16. ^{13}C -NMR spectrum of compound **3h**.

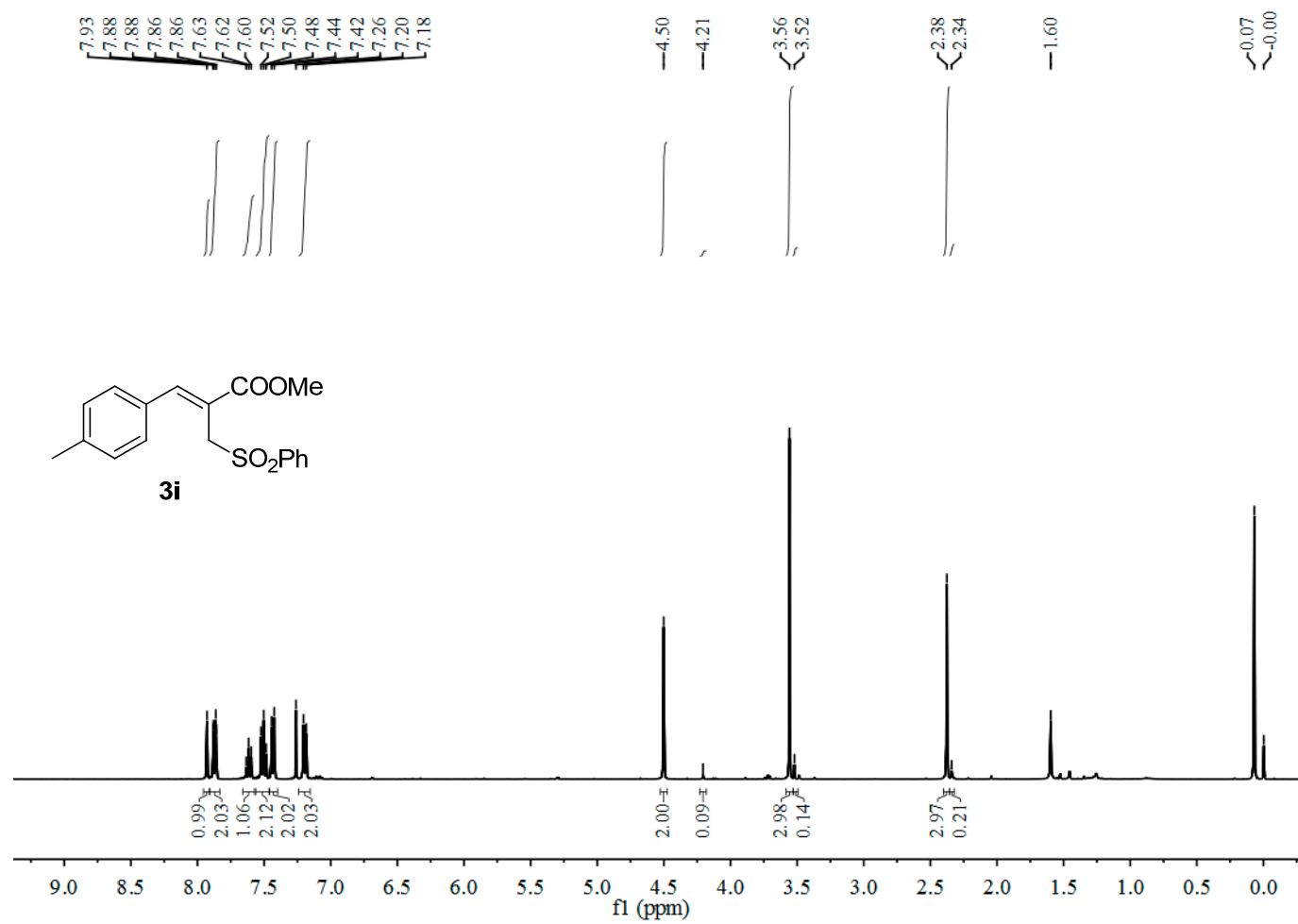


Figure S17. ¹H-NMR spectrum of compound **3i**.

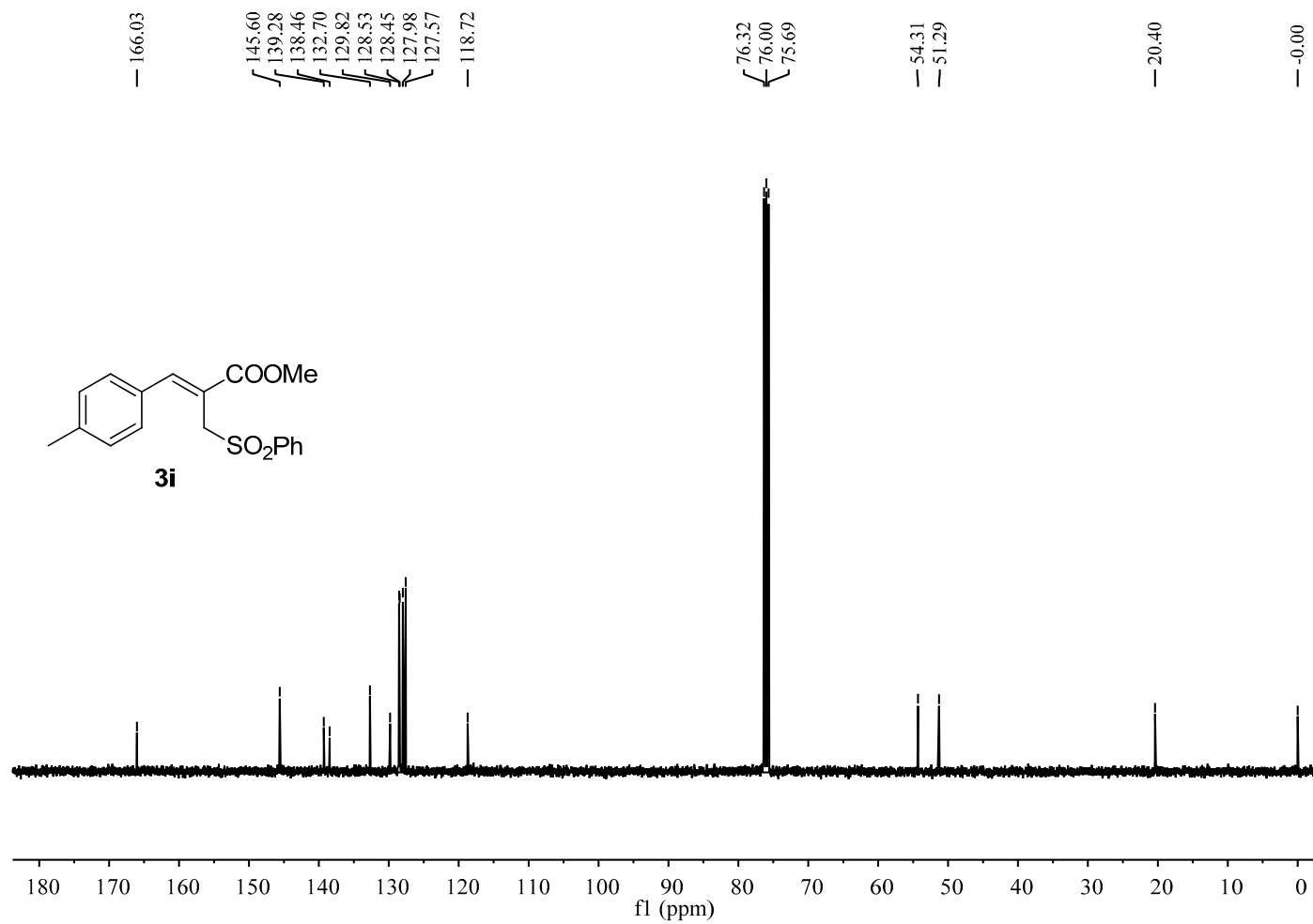


Figure S18. ^{13}C -NMR spectrum of compound **3i**.

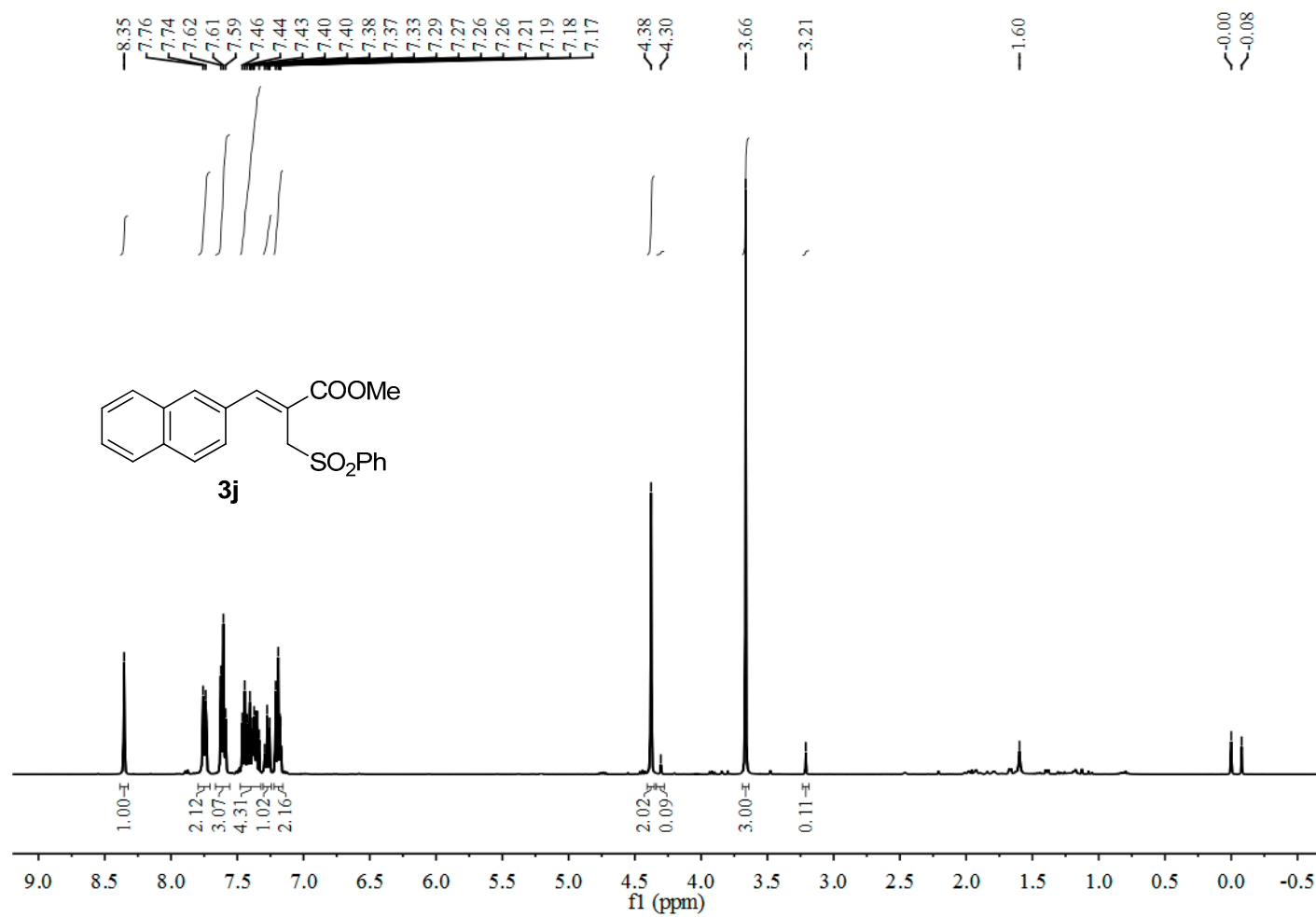


Figure S19. ¹H-NMR spectrum of compound **3j**.

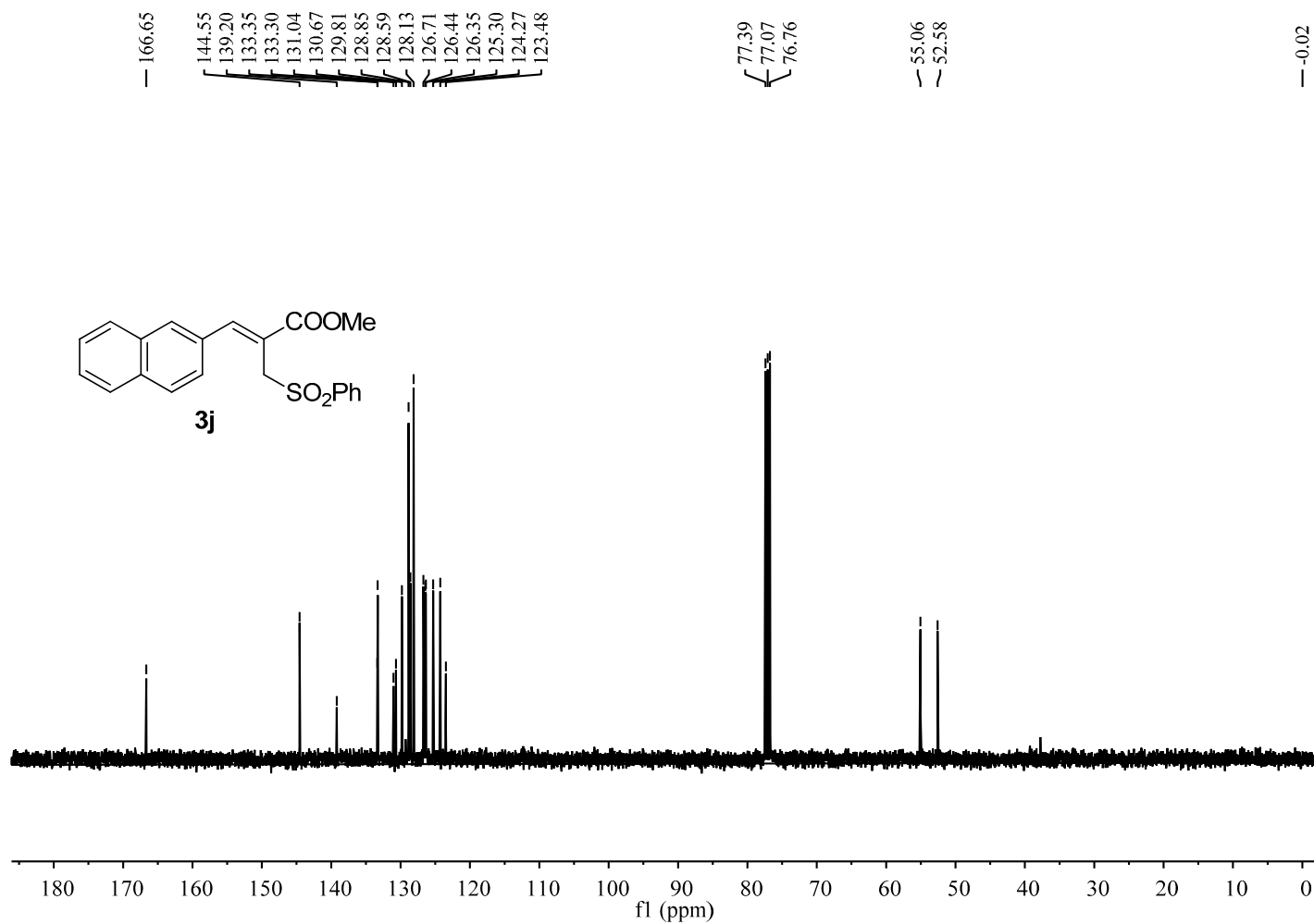


Figure S20. ^{13}C -NMR spectrum of compound **3j**.

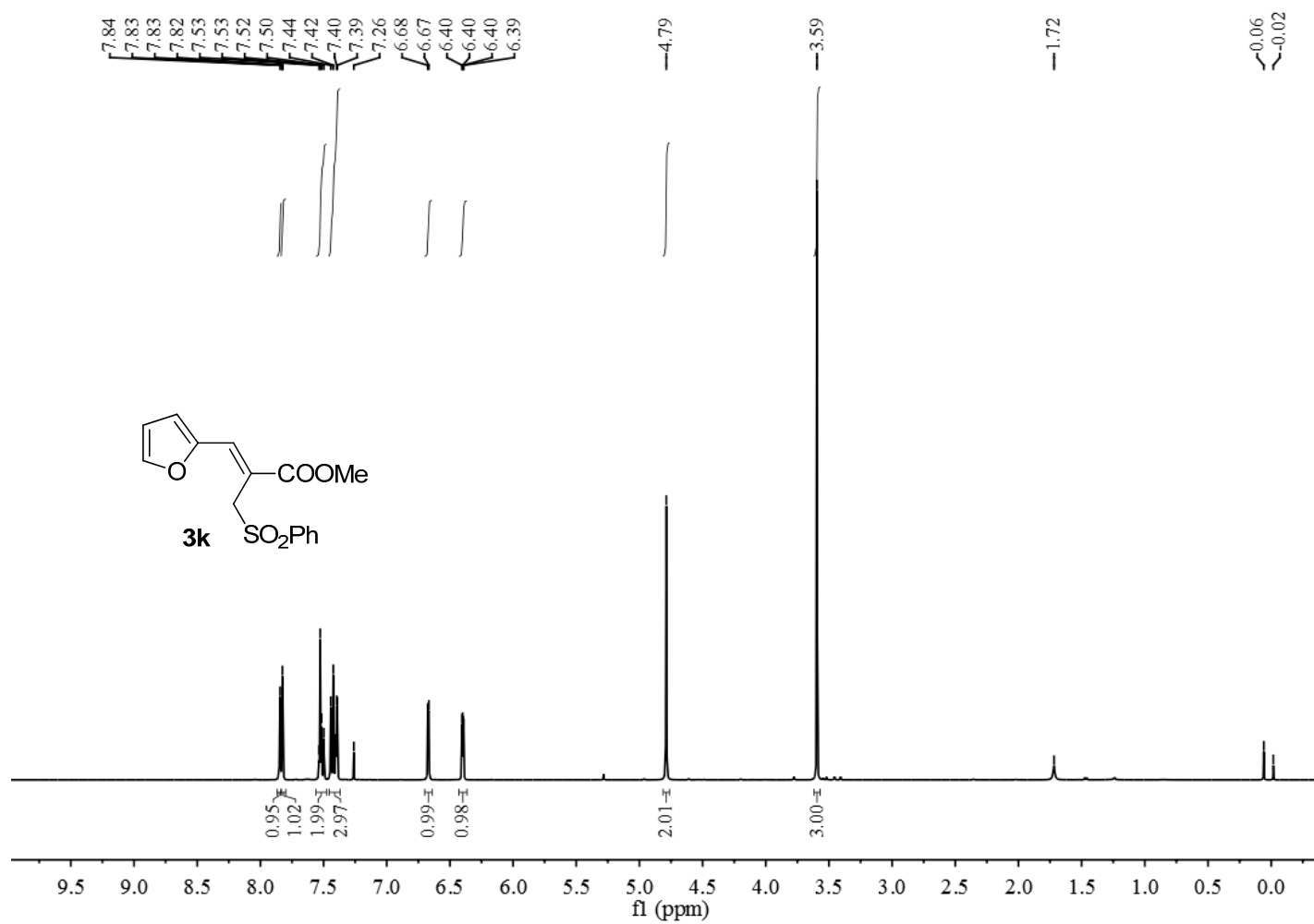


Figure S21. ¹H-NMR spectrum of compound **3k**.

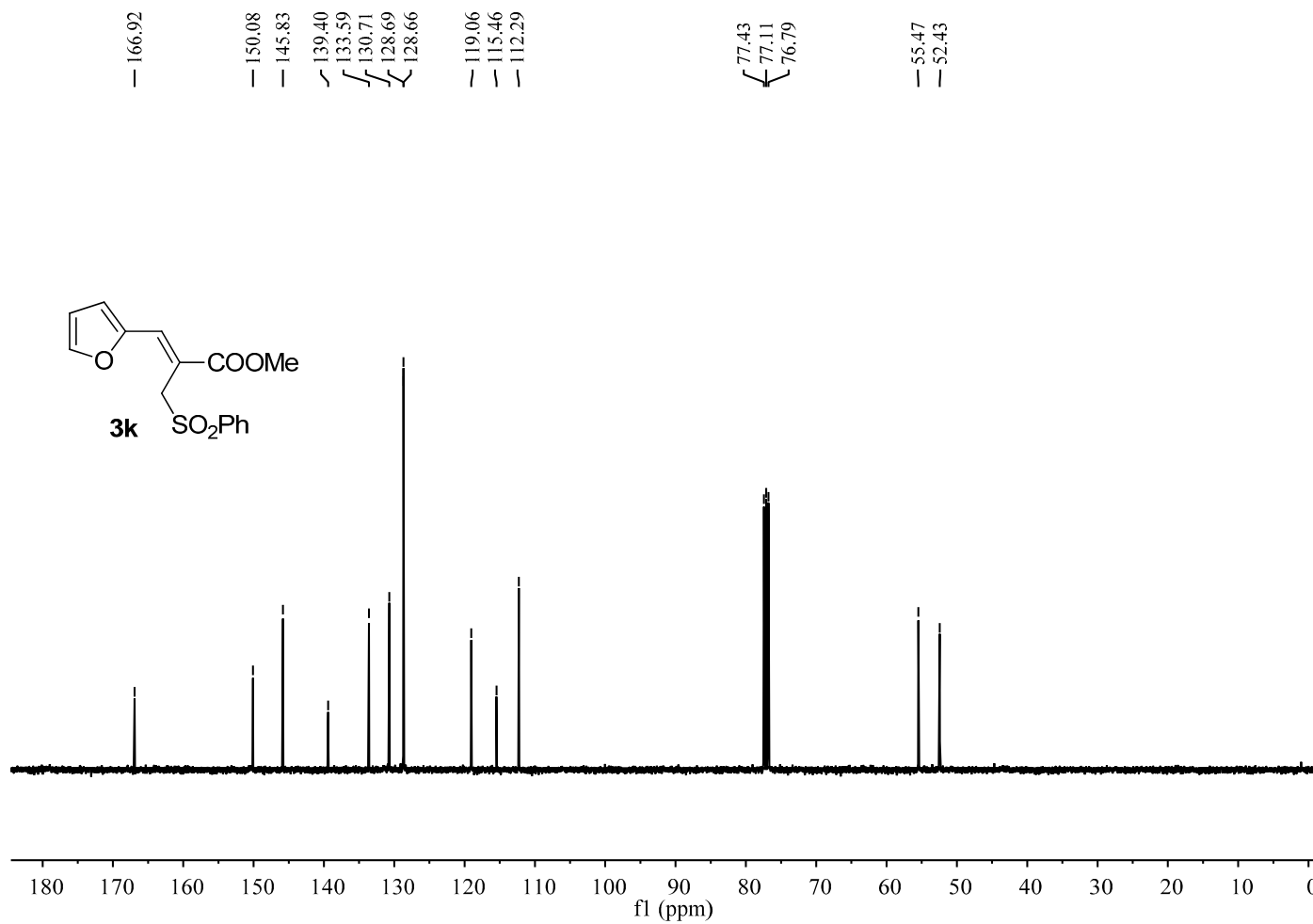


Figure S22. ^{13}C -NMR spectrum of compound **3k**.

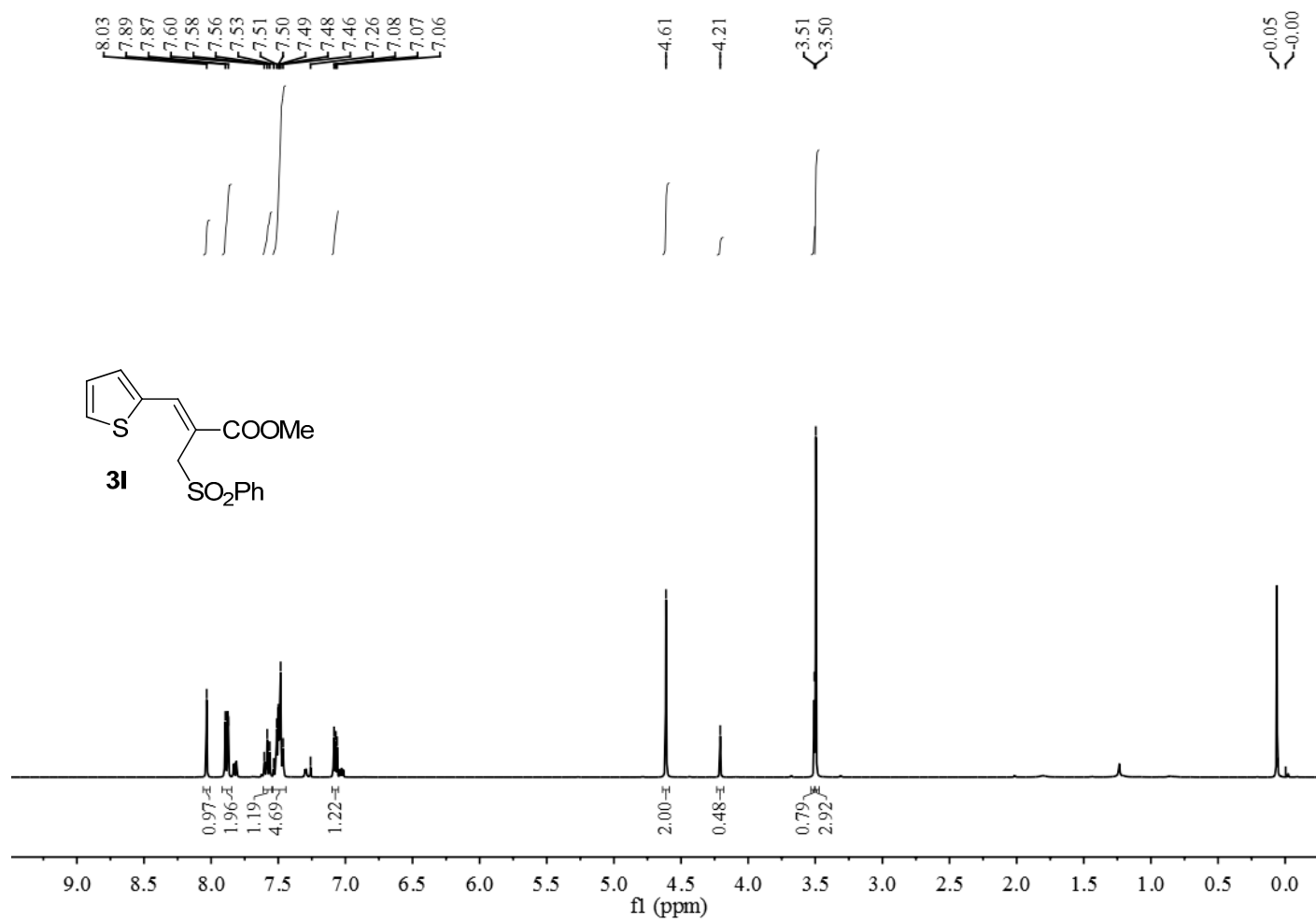


Figure S23. ¹H-NMR spectrum of compound **3l**.

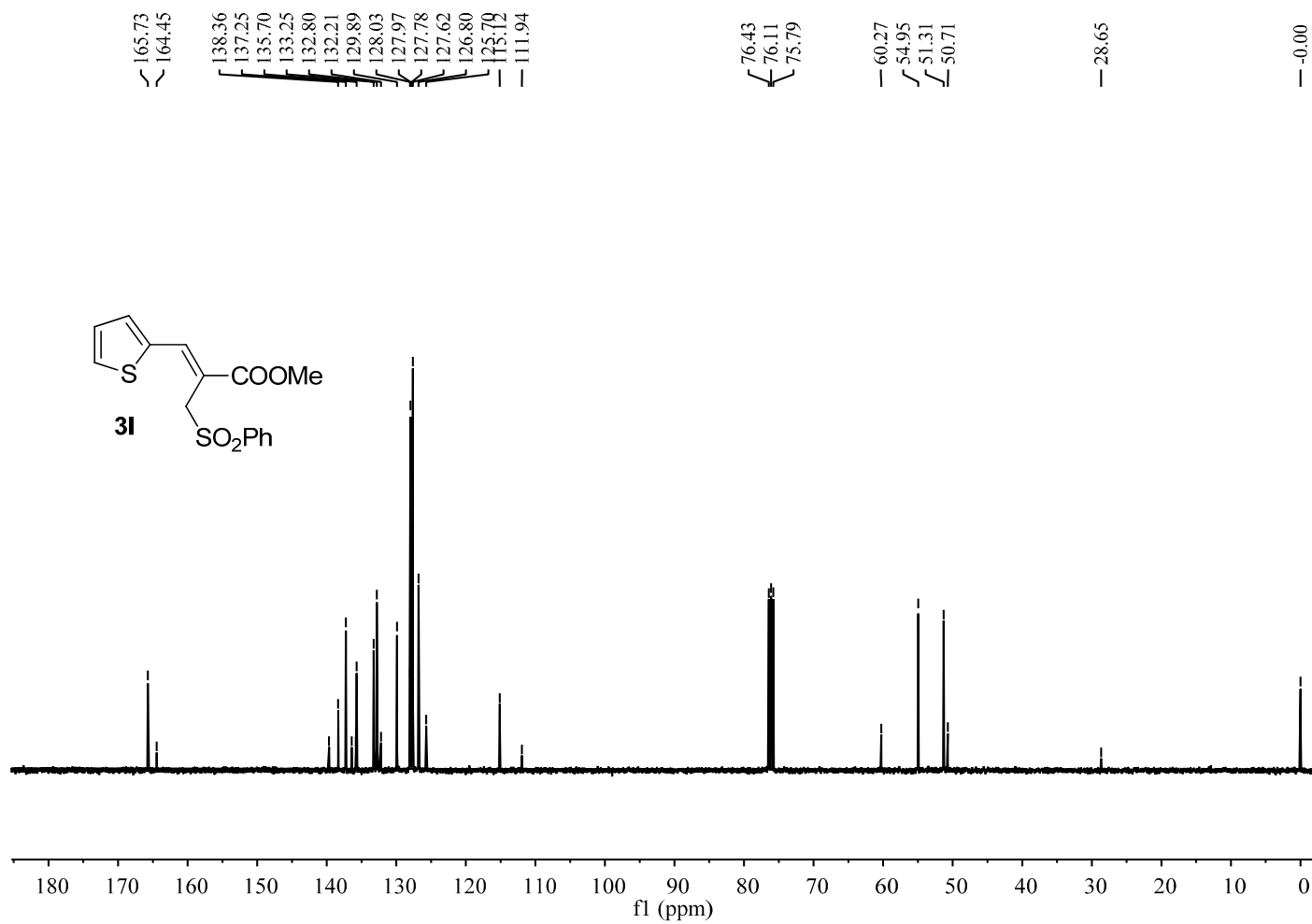


Figure S24. ^{13}C -NMR spectrum of compound **3l**.

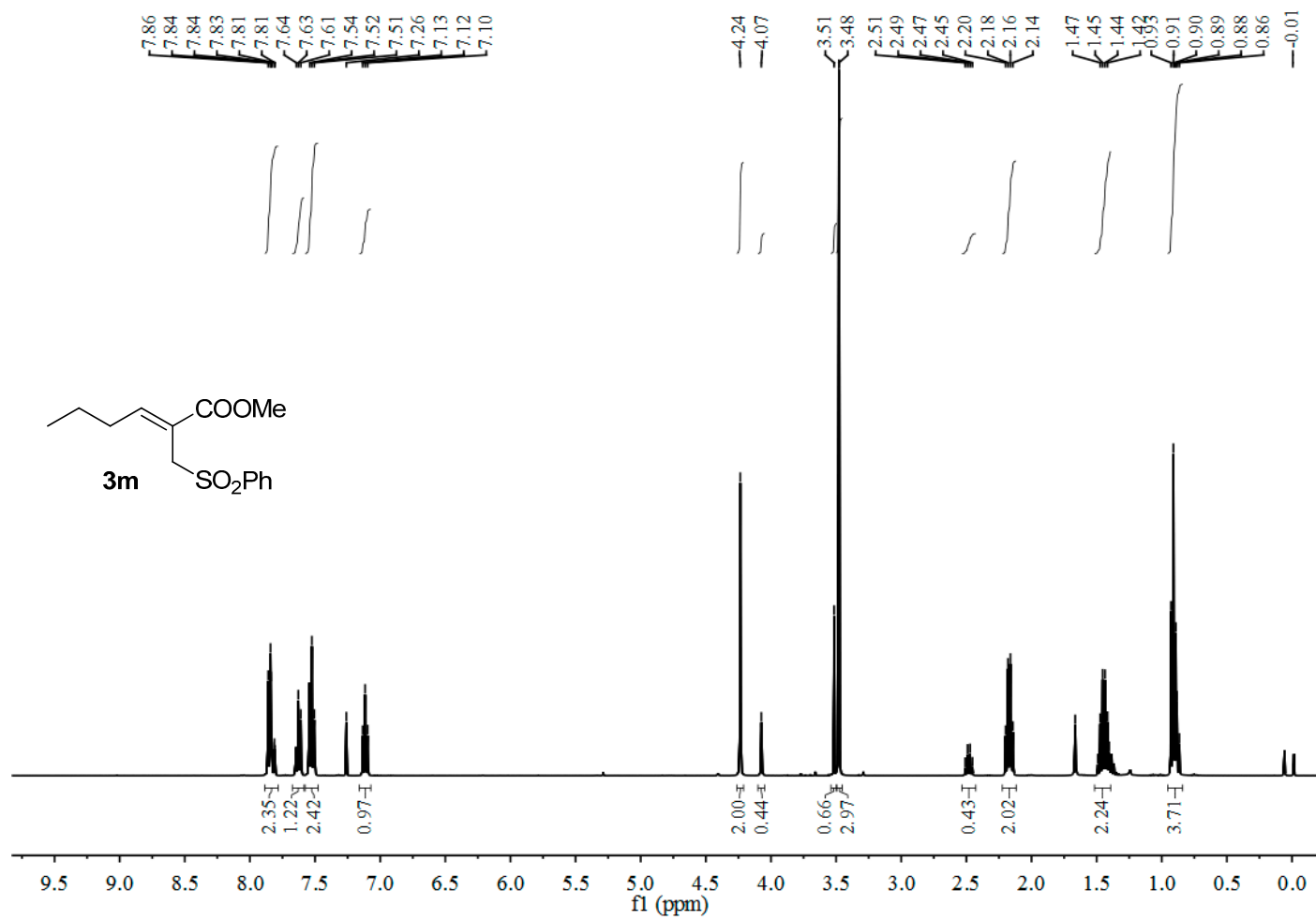


Figure S25. ¹H-NMR spectrum of compound **3m**.

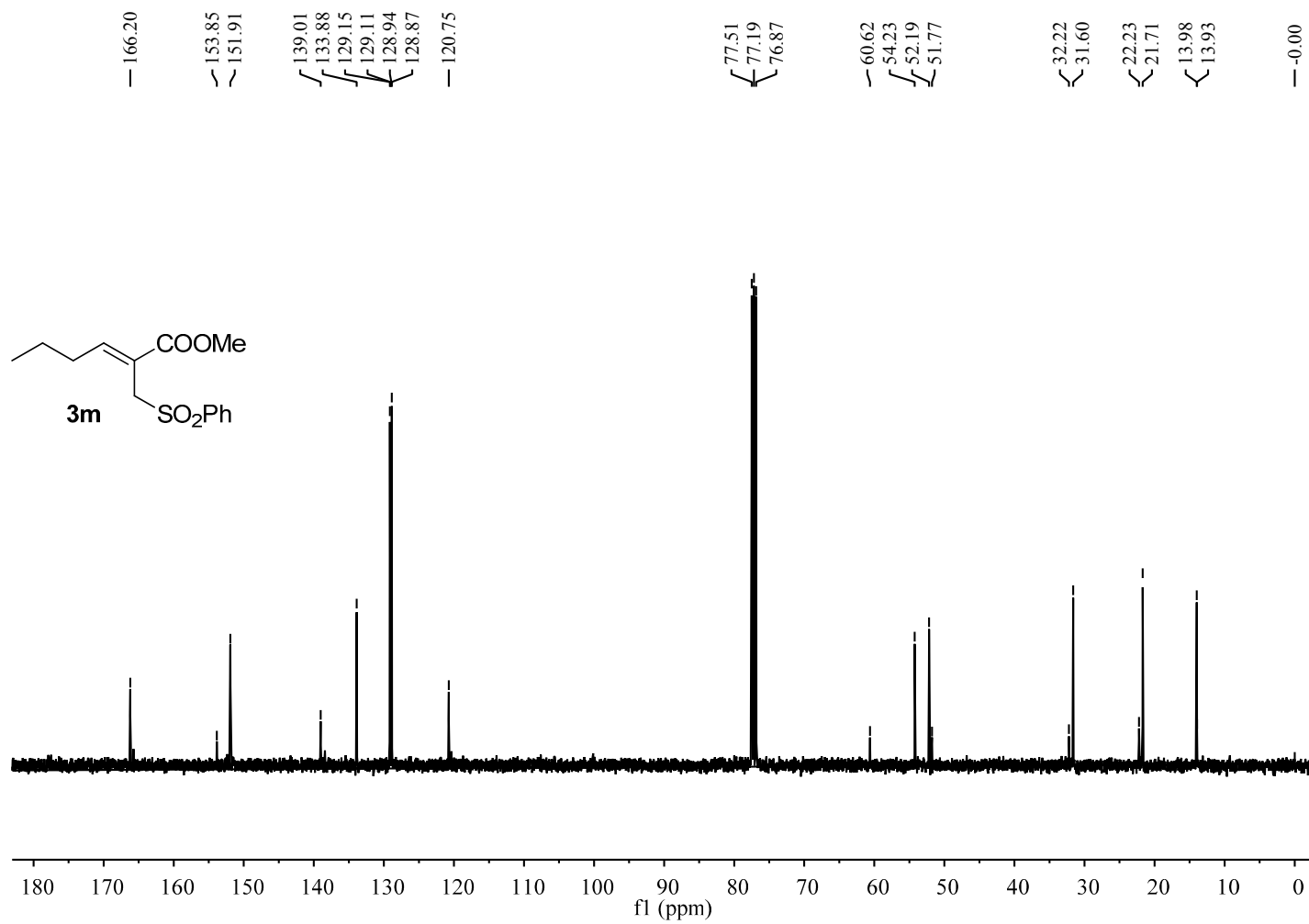


Figure S26. ¹³C-NMR spectrum of compound **3m**.

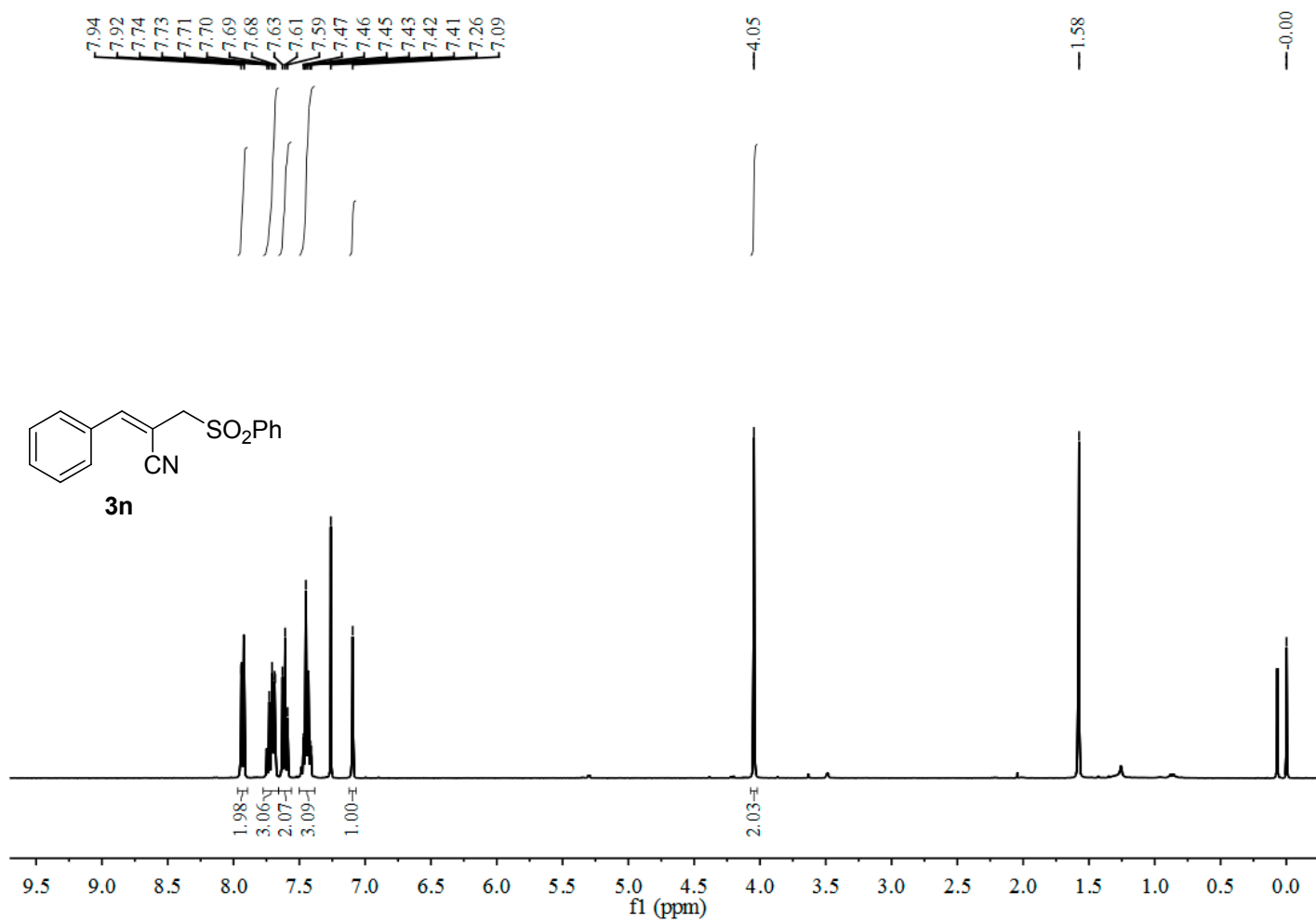


Figure S27. ¹H-NMR spectrum of compound **3n**.

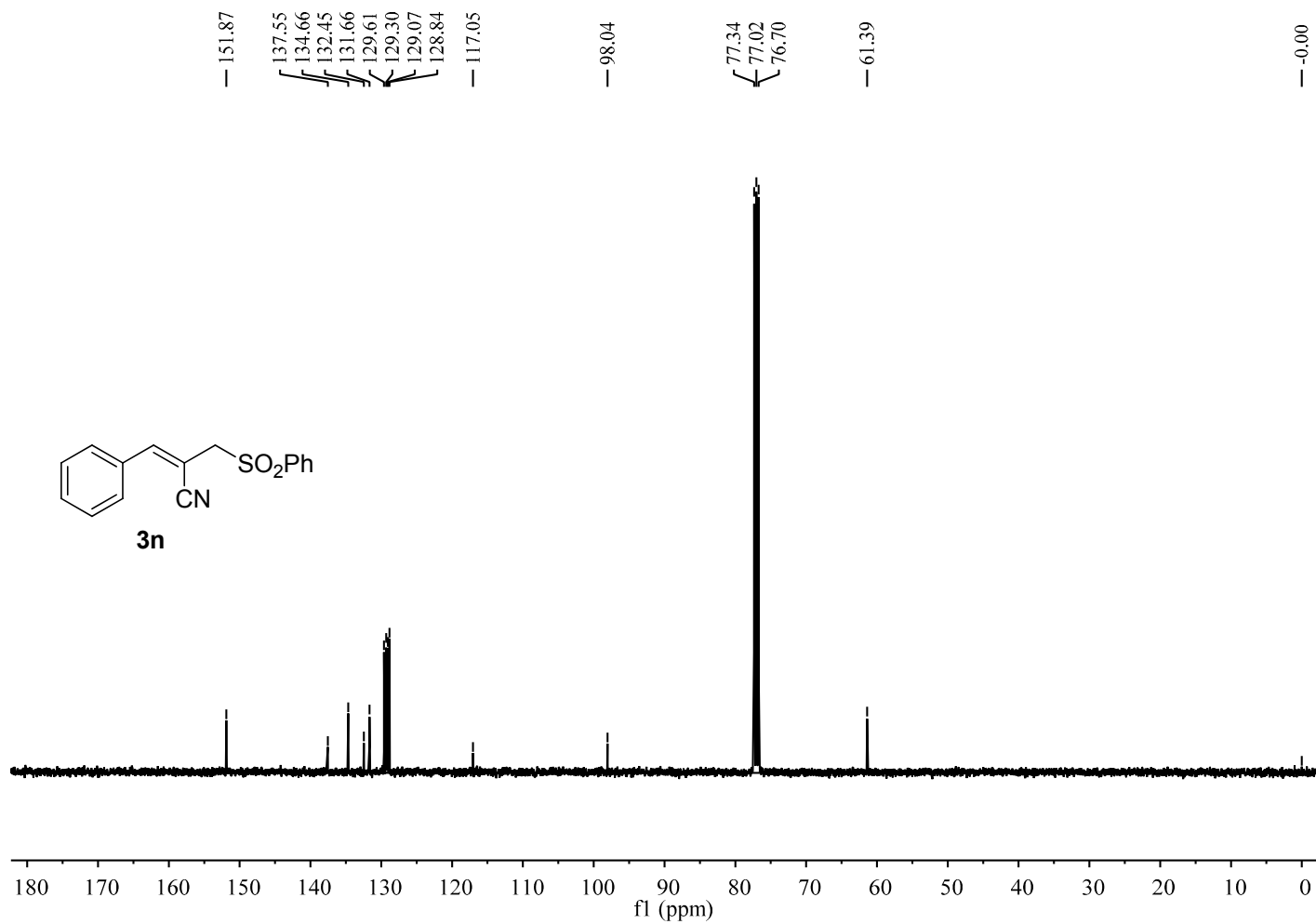


Figure S28. ¹³C-NMR spectrum of compound **3n**.

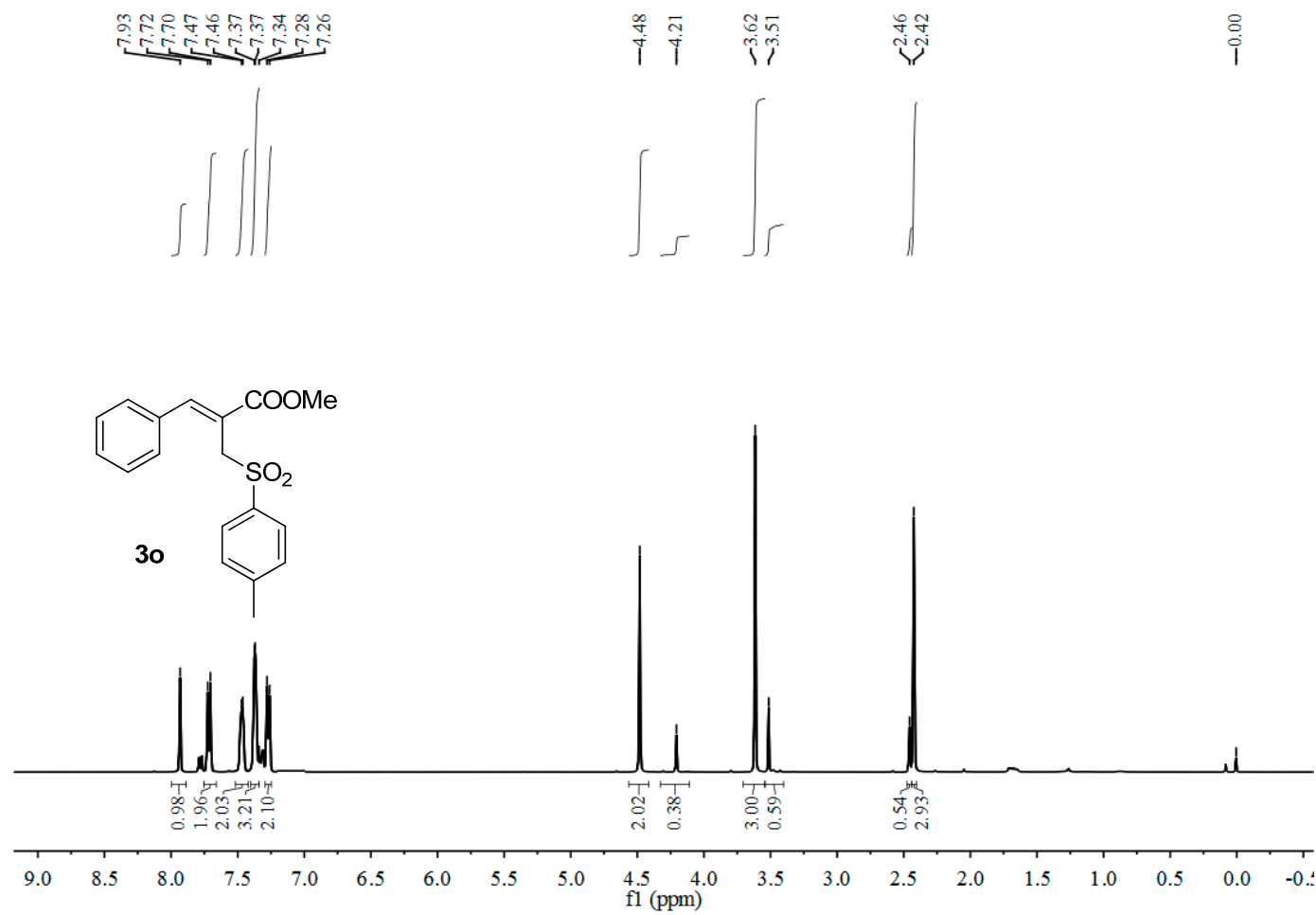


Figure S29. ¹H-NMR spectrum of compound **3o**.

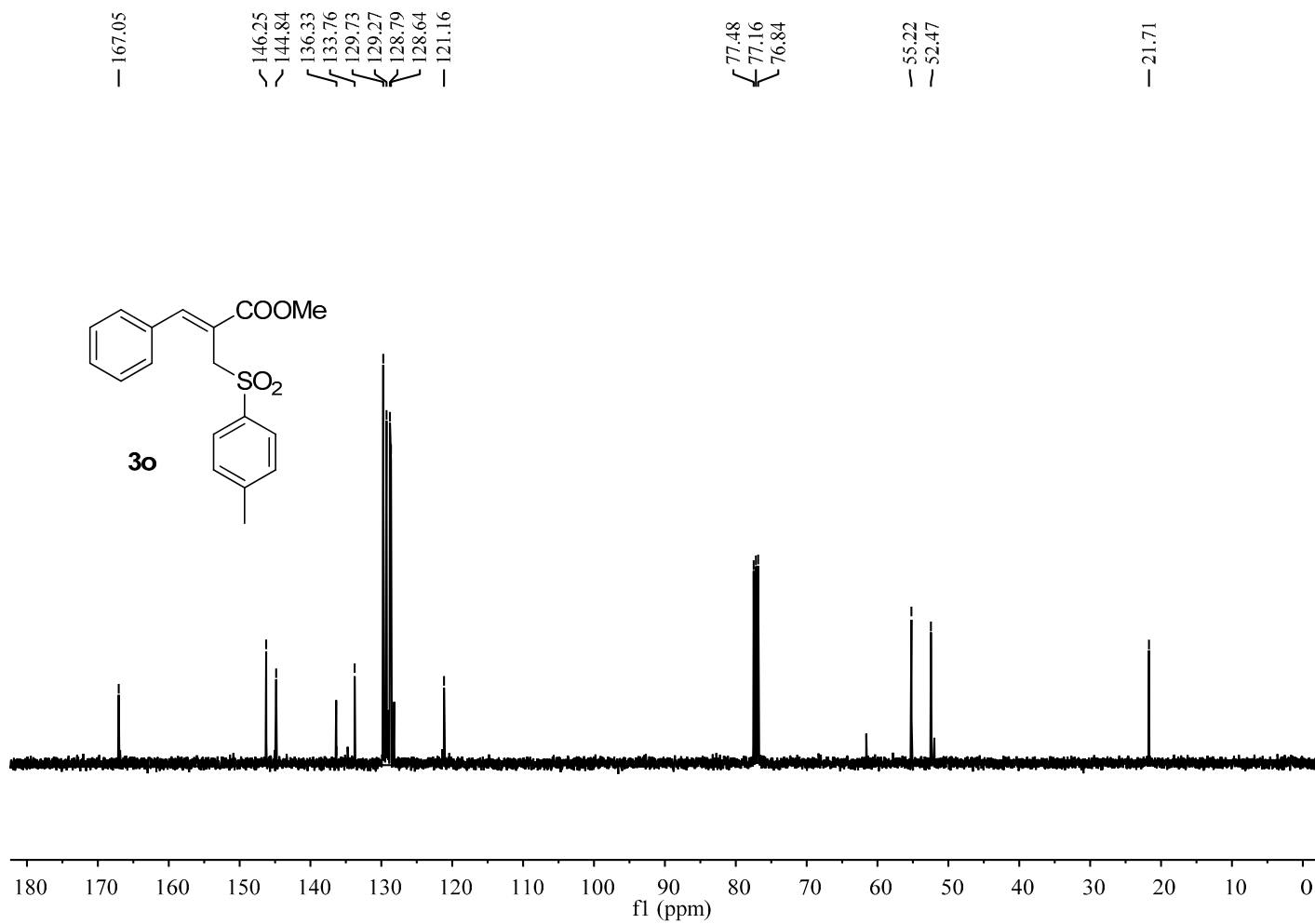


Figure S30. ¹³C-NMR spectrum of compound **3o**.