

# Rationalisation of Patterns of Competing Reactivity by X-Ray Structure Determination: Reaction of Isomeric (Benzyloxythienyl)oxazolines with Base

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## Supplementary Material

## Figure

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Figure S1. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **16**

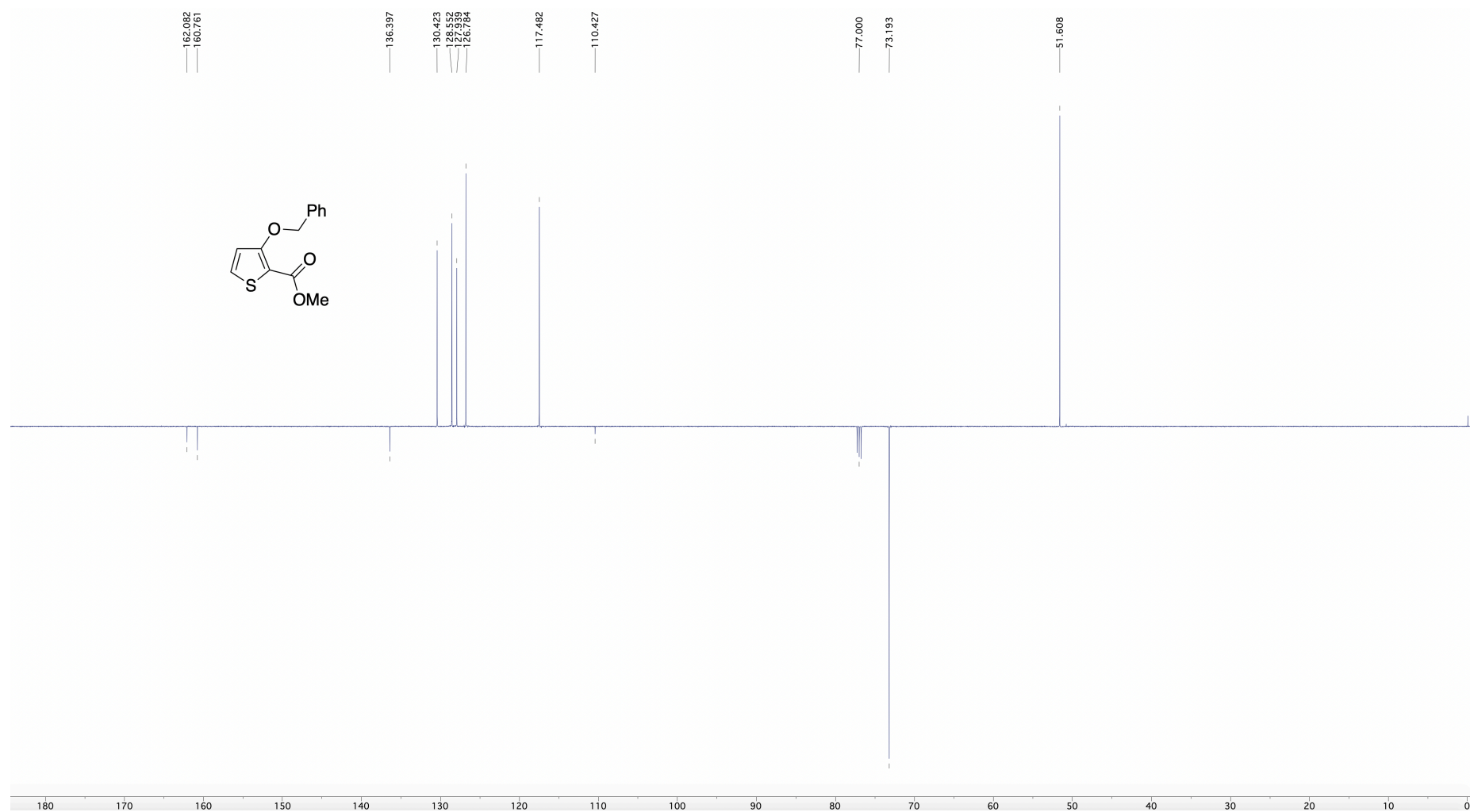


Figure S2. 100 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **17**

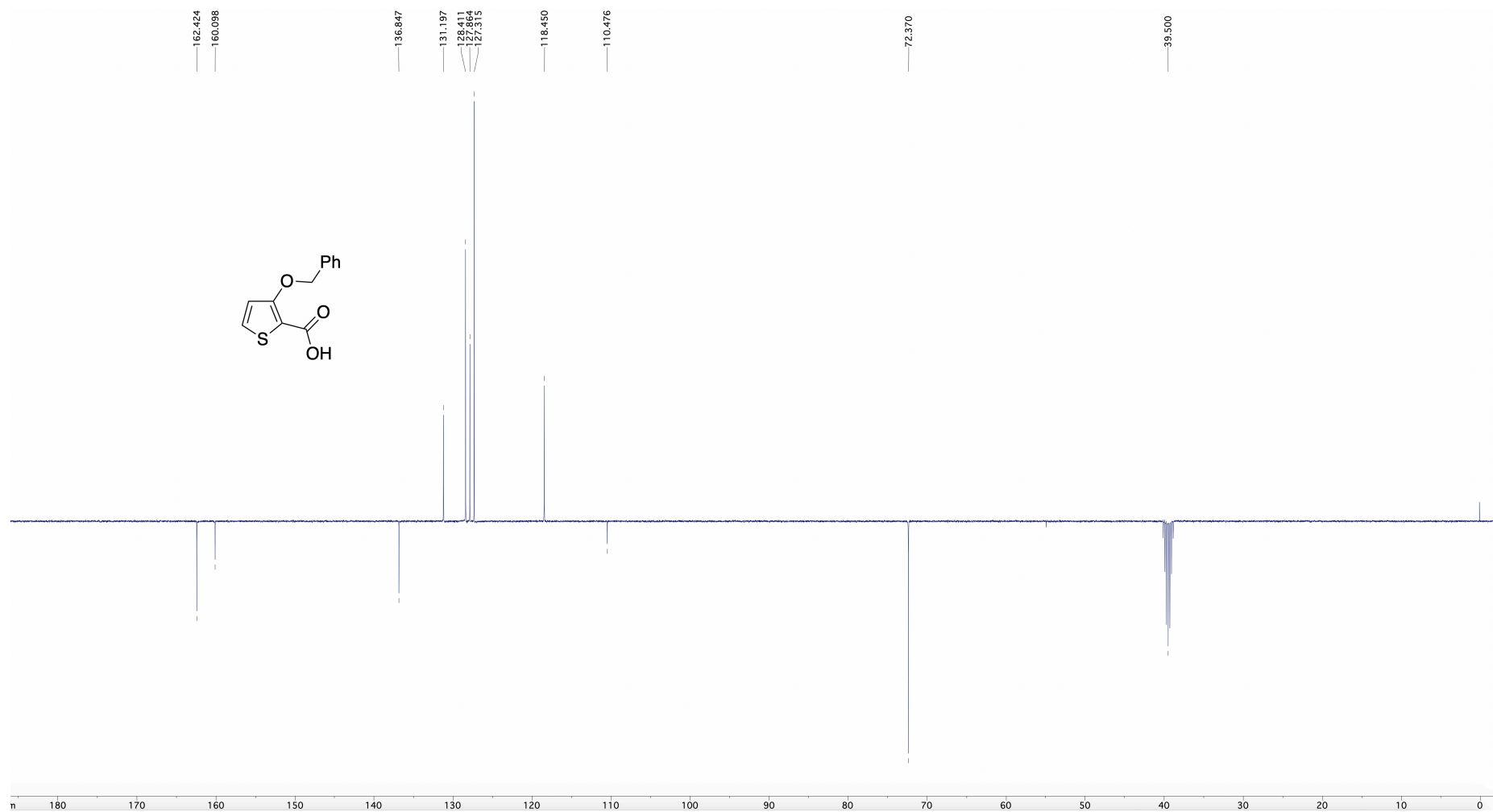


Figure S3. 500 MHz  $^1\text{H}$  NMR spectrum of **18**

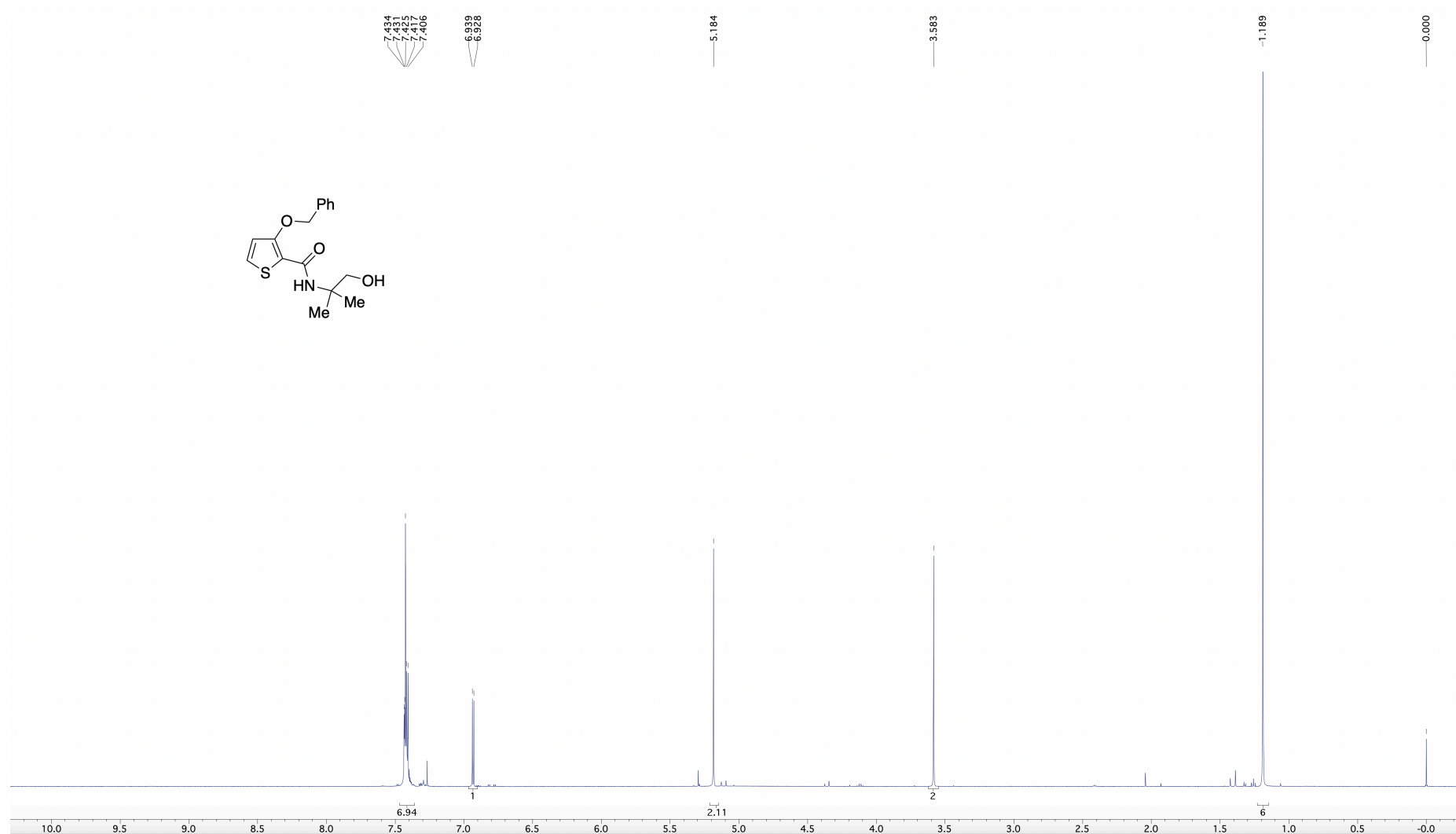


Figure S4. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **18**

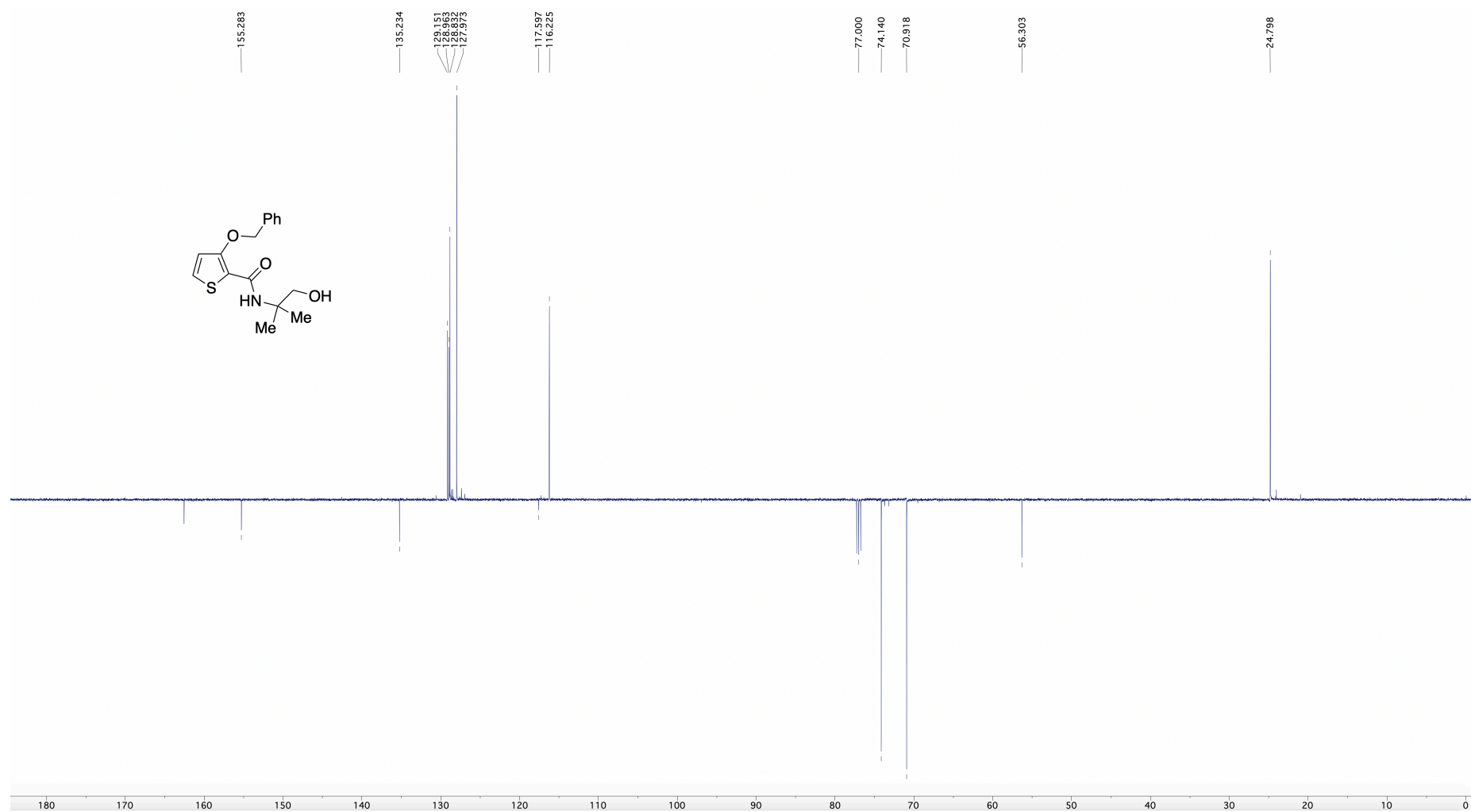


Figure S5. 500 MHz  $^1\text{H}$  NMR spectrum of **9**

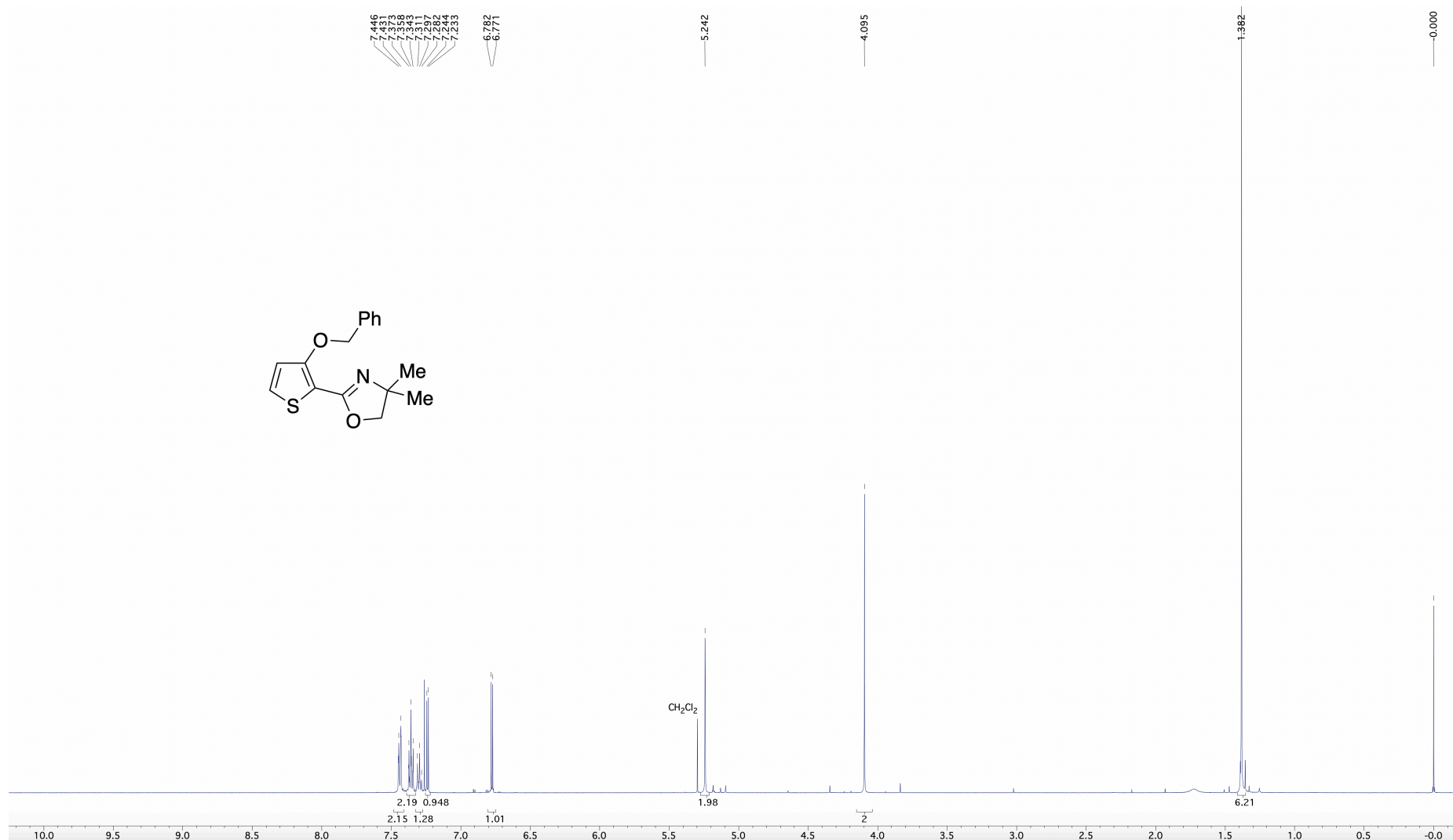


Figure S6. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **9**

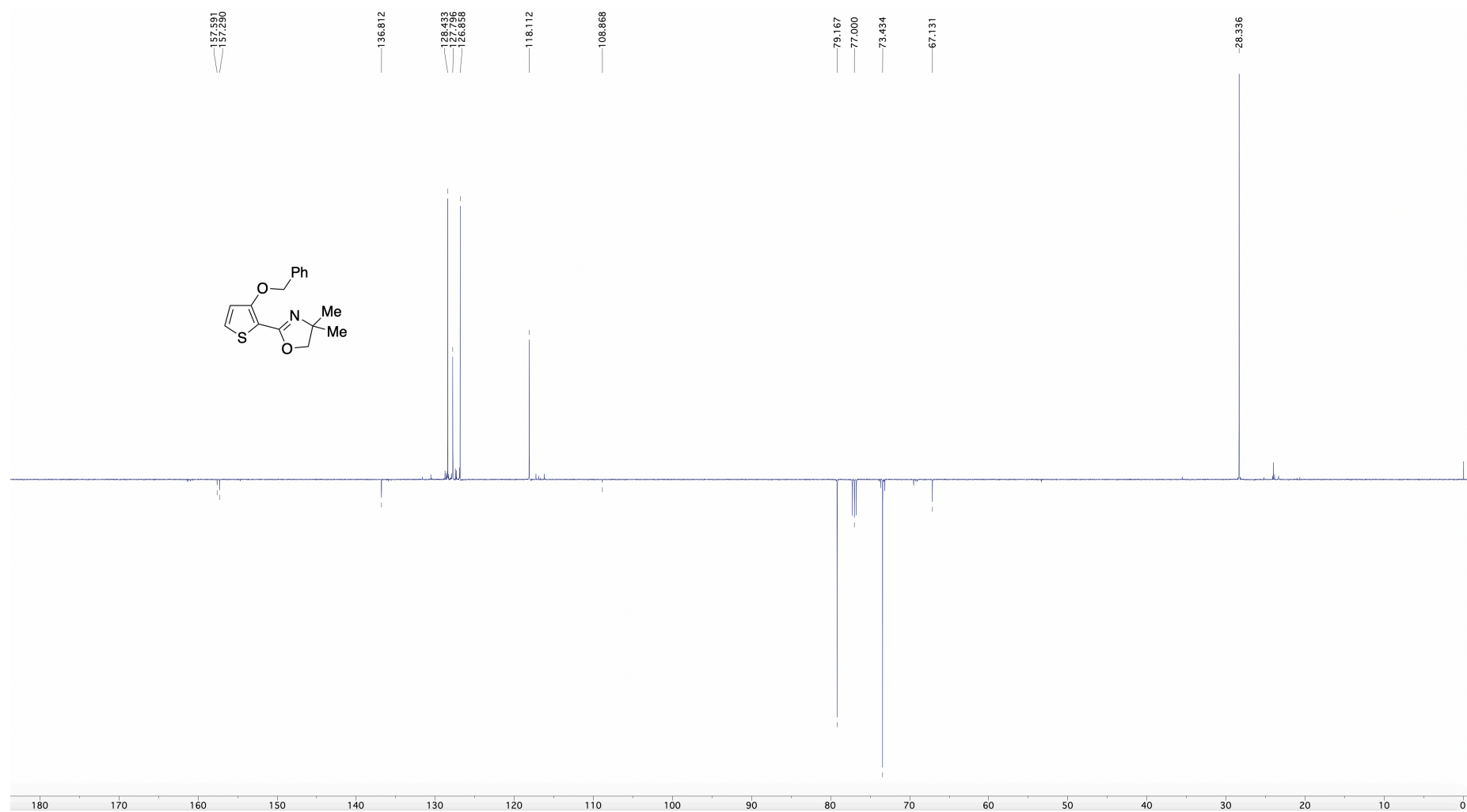


Figure S7. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **19**

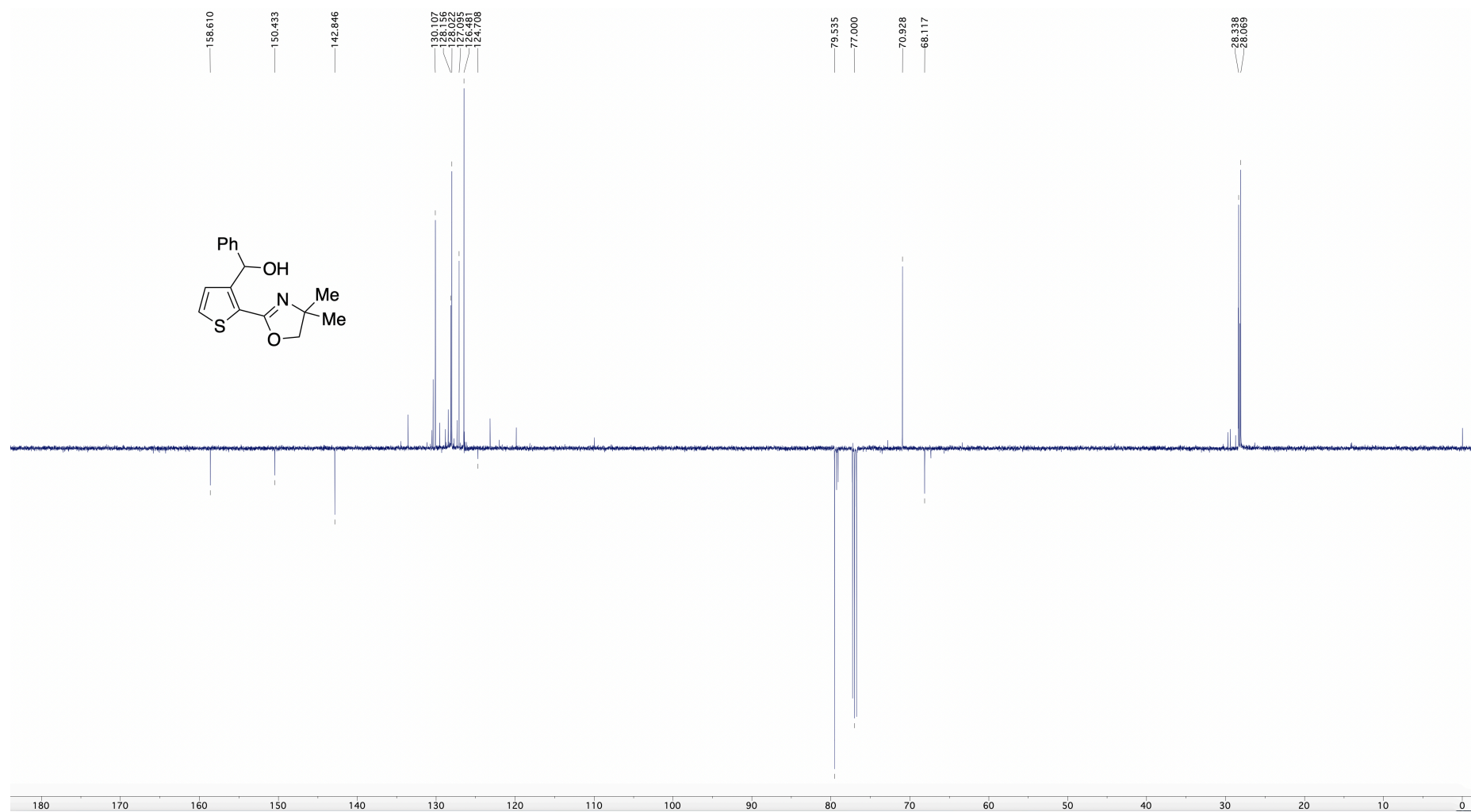


Figure S8. 400 MHz  $^1\text{H}$  NMR spectrum of **20**

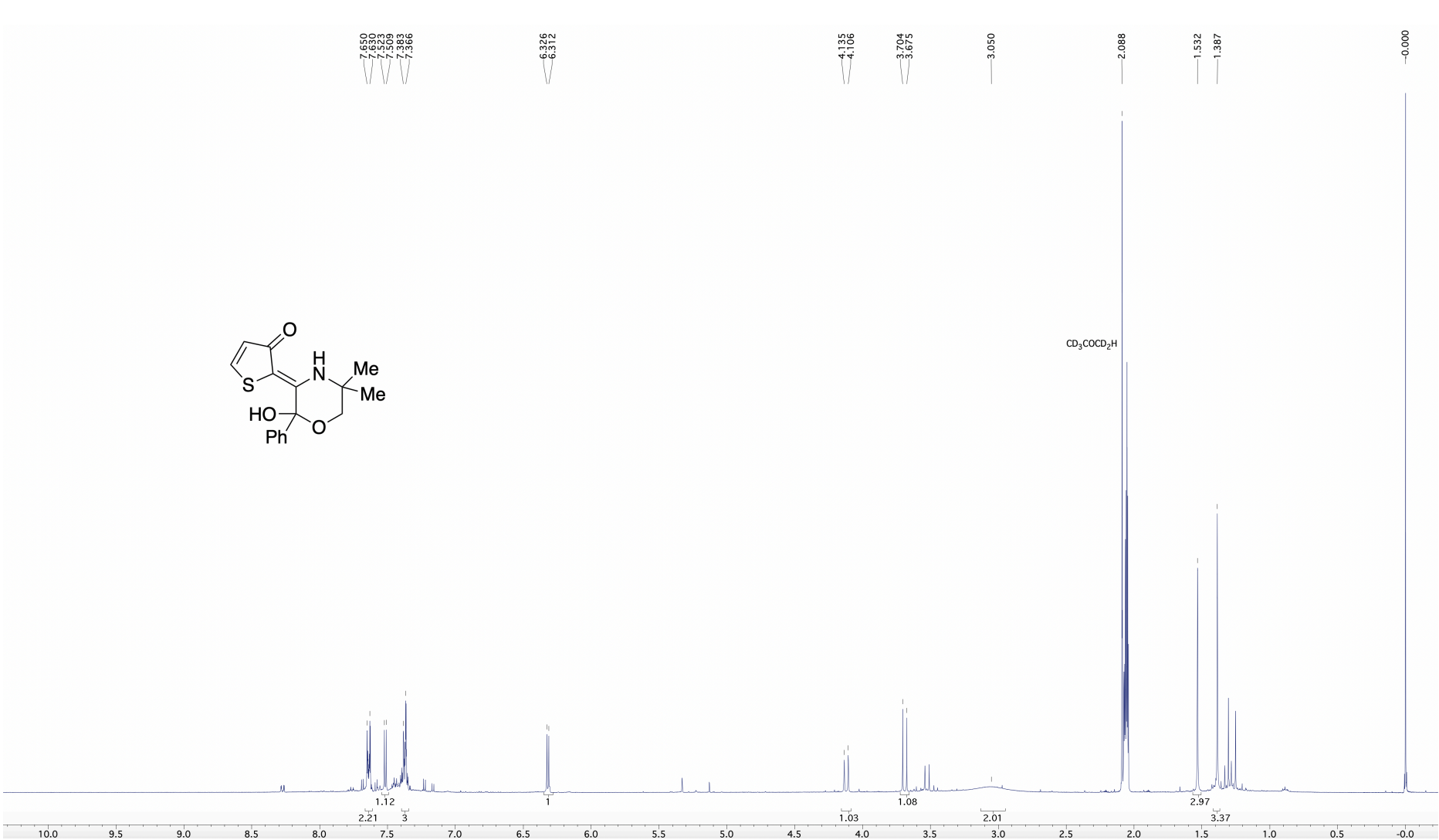


Figure S9. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **20**

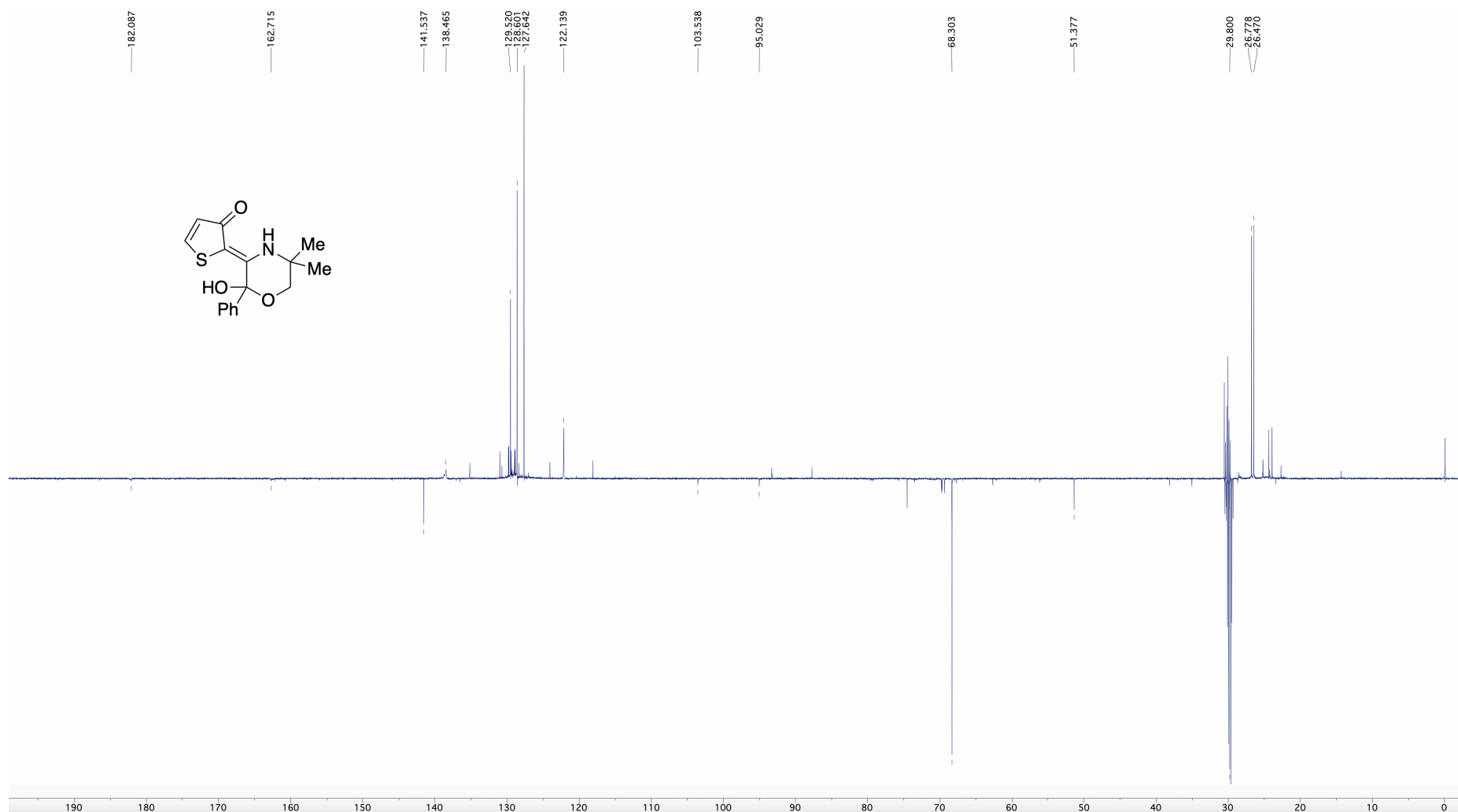


Figure S10. 500 MHz  $^1\text{H}$  NMR spectrum of **10**

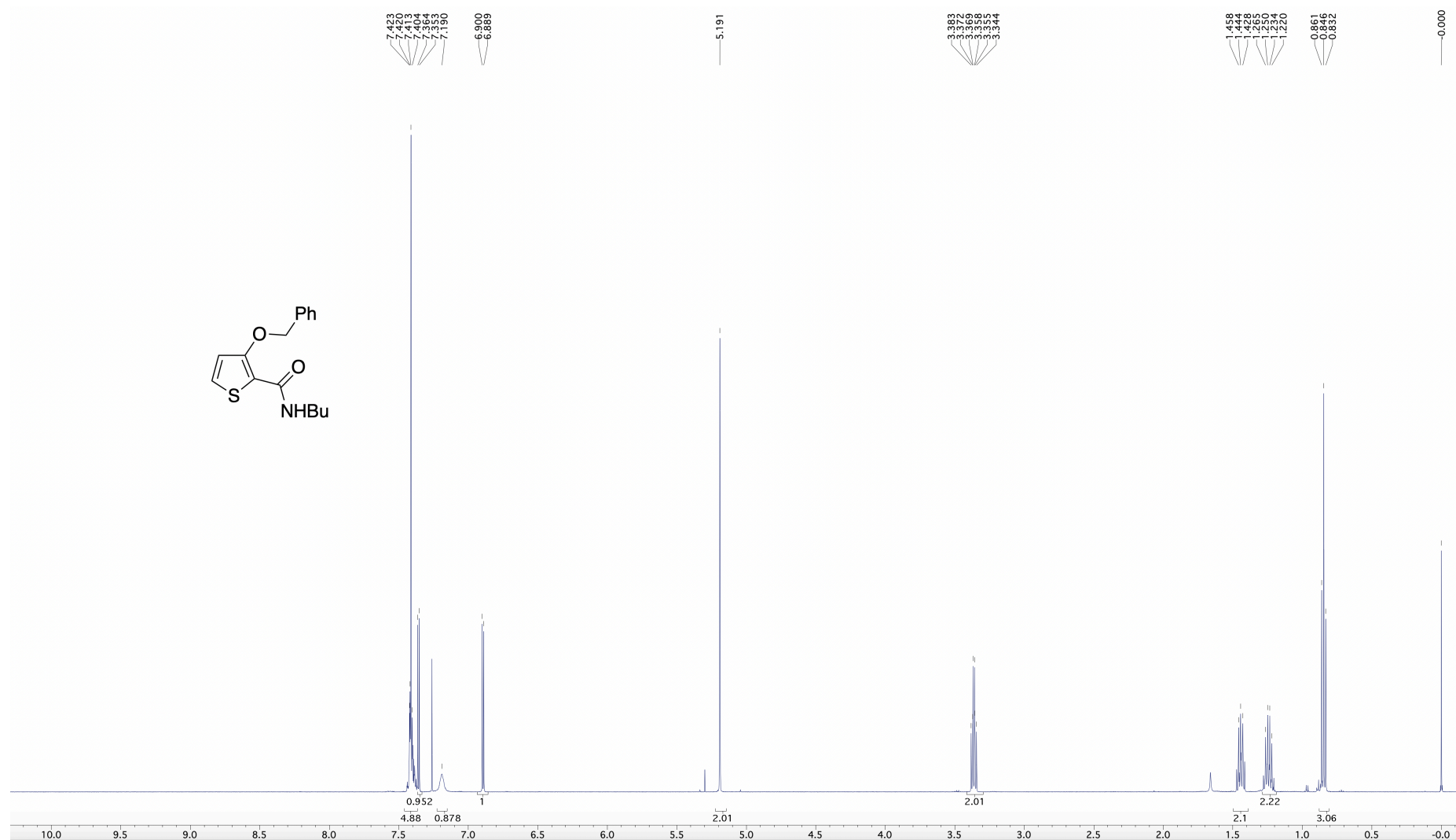


Figure S11. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **10**

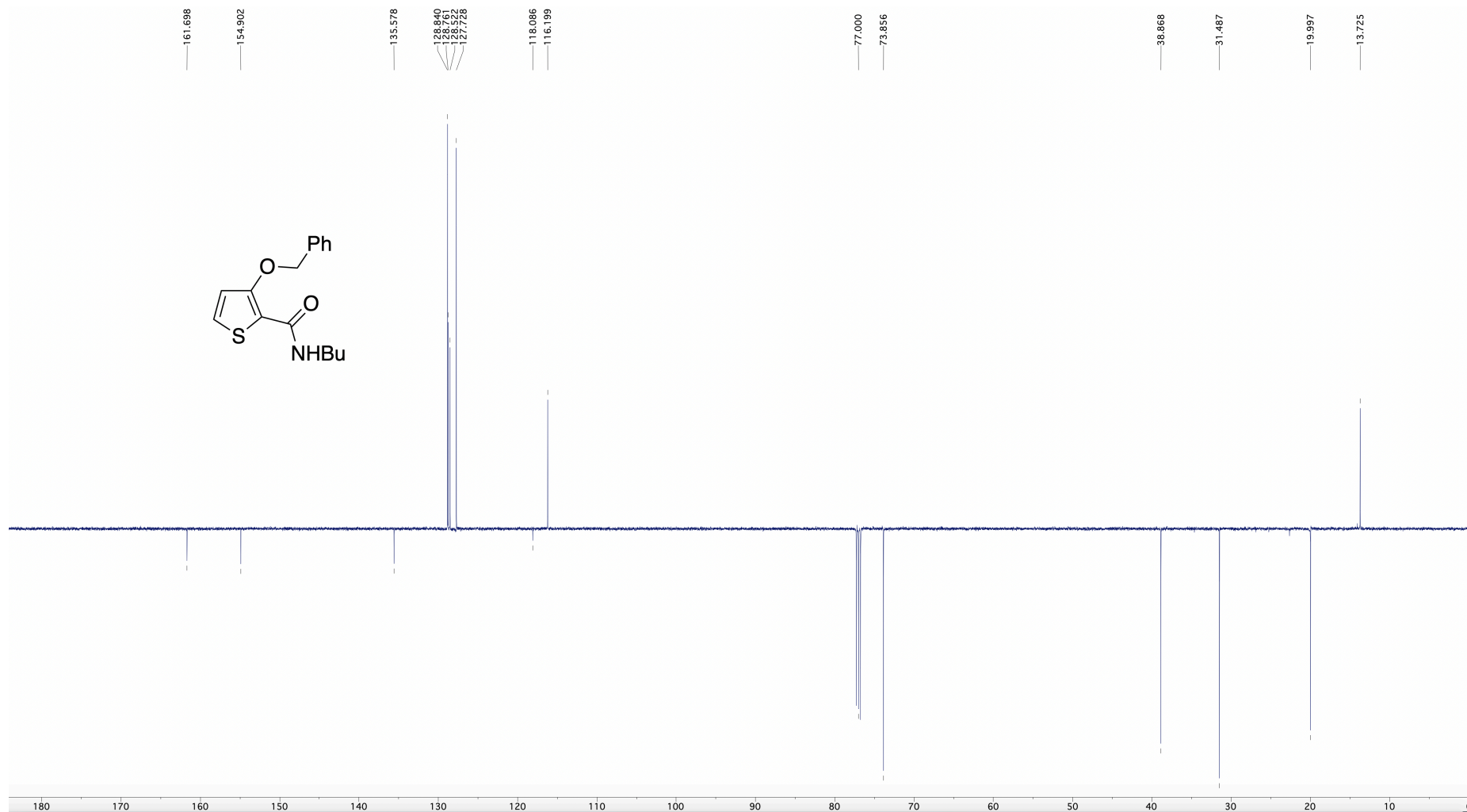


Figure S12. 400 MHz  $^1\text{H}$  NMR spectrum of **25**

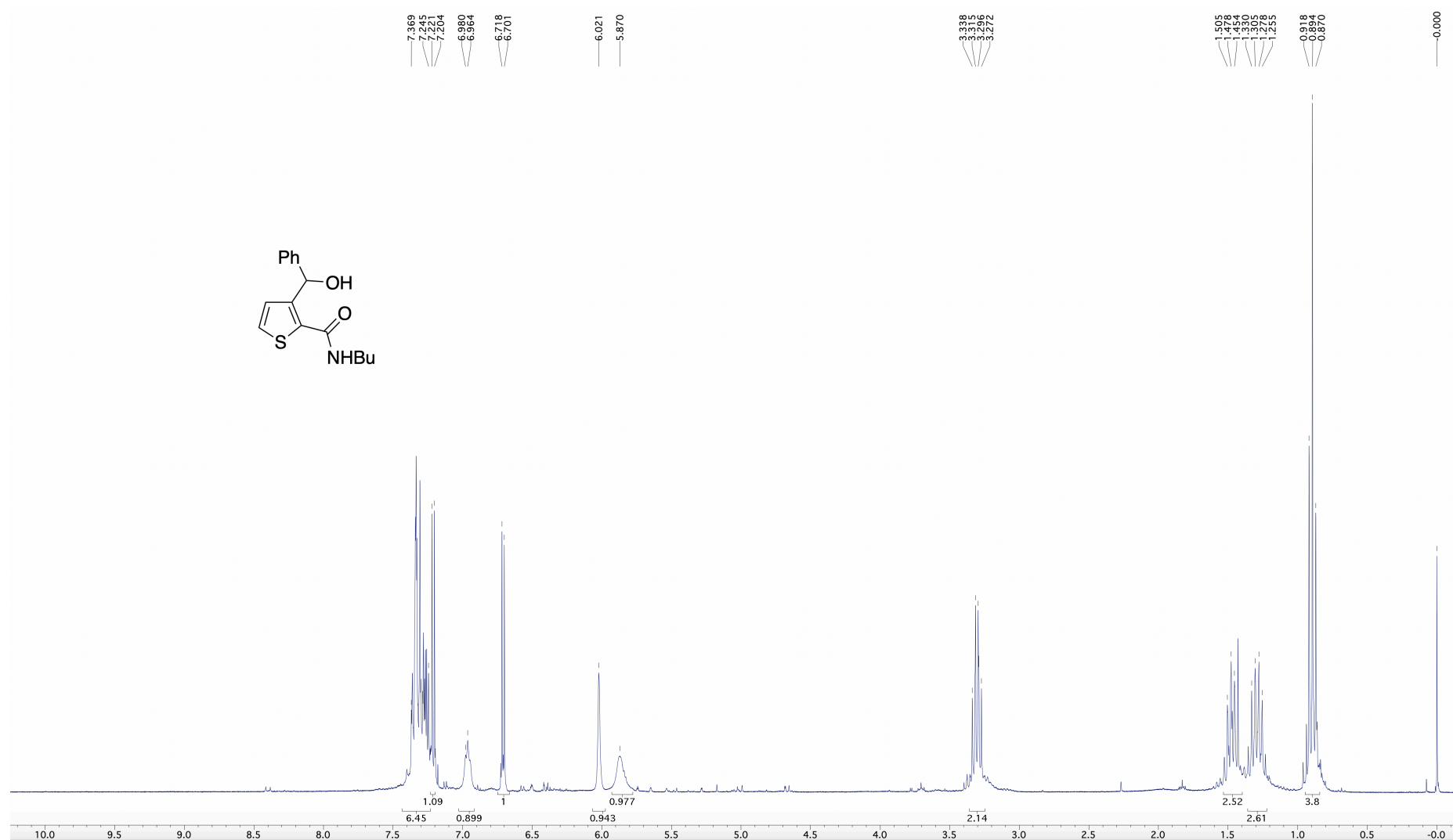


Figure S13. 75 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **25**

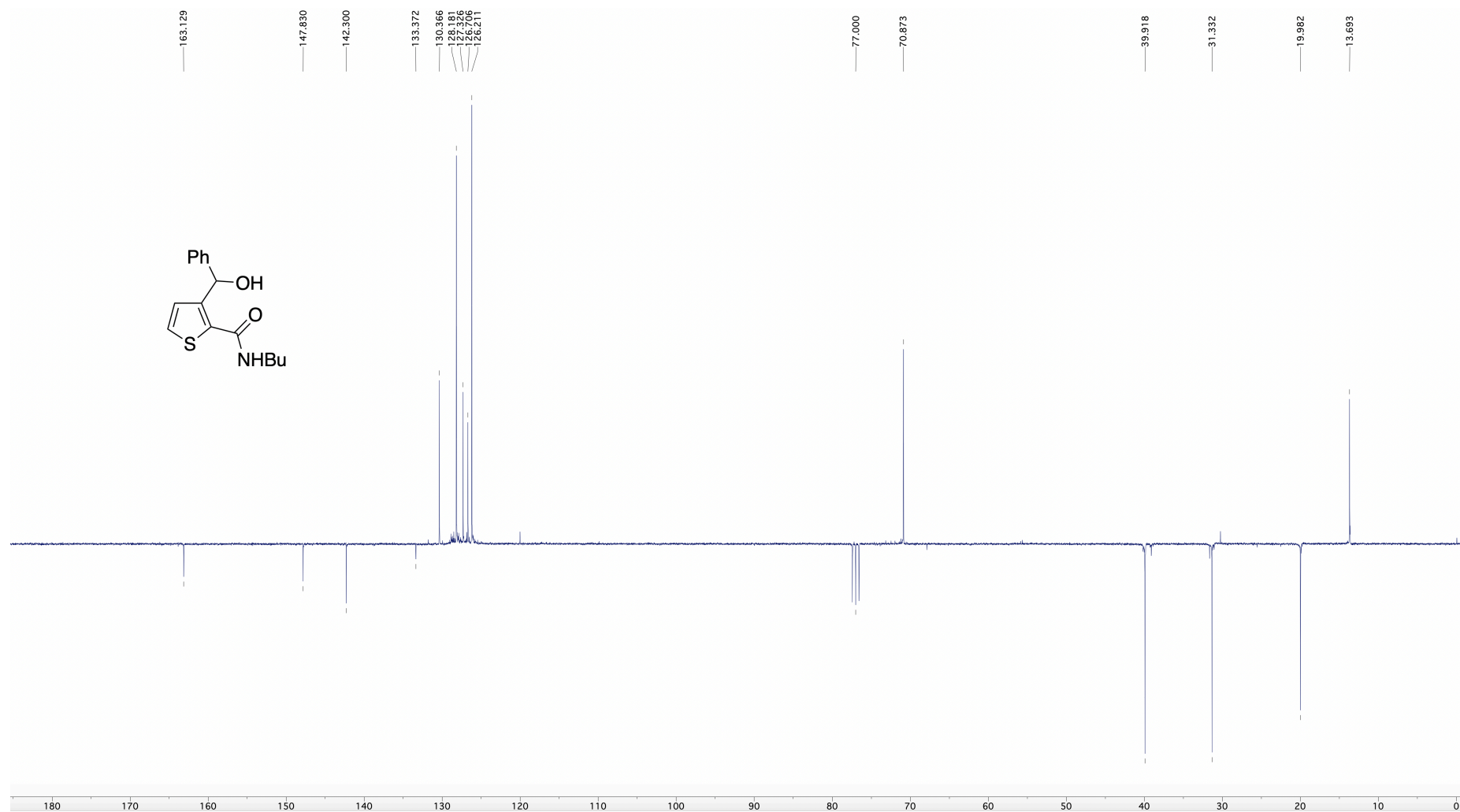


Figure S14. 400 MHz  $^1\text{H}$  NMR spectrum of **26**

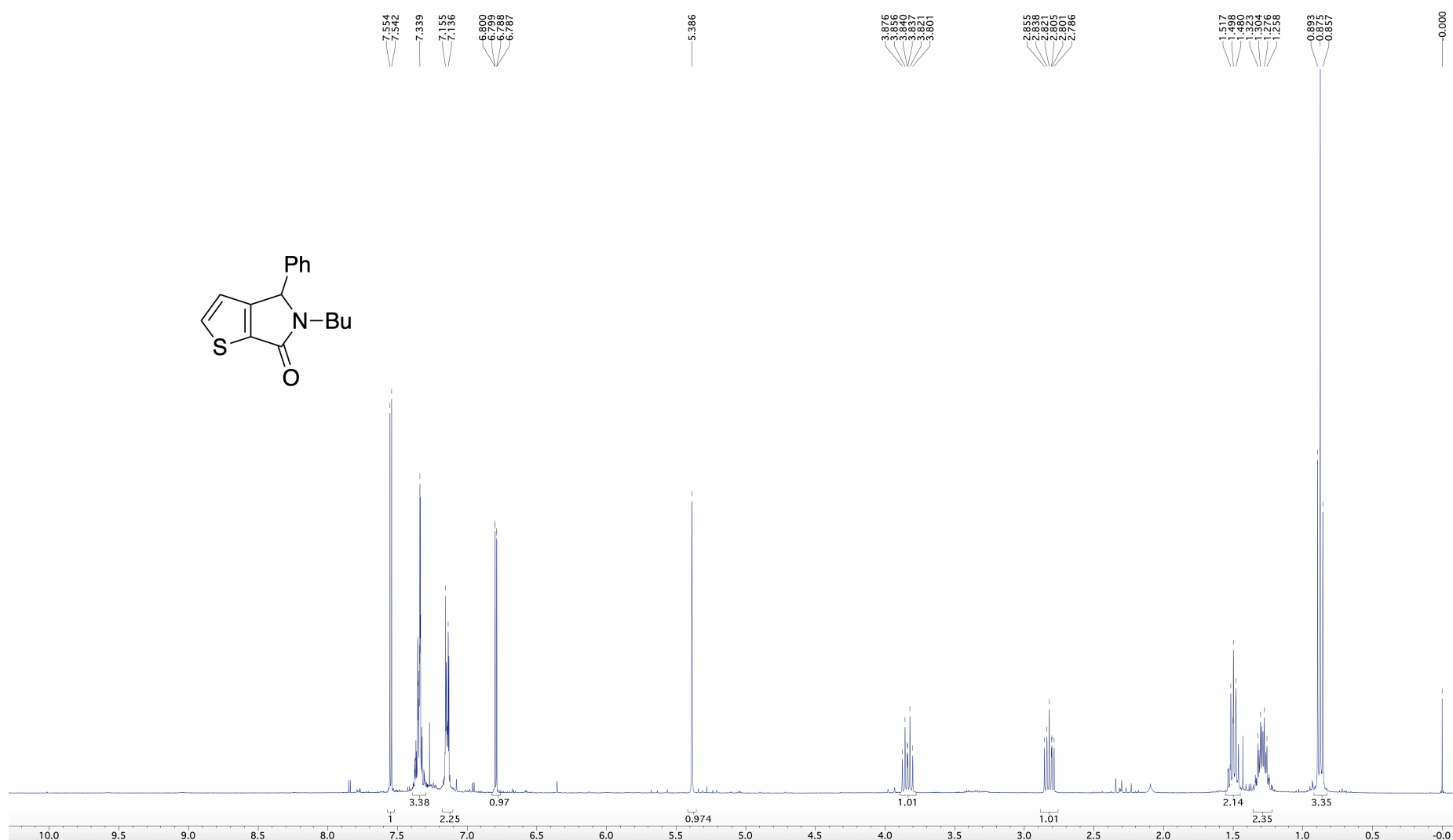


Figure S15. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **26**

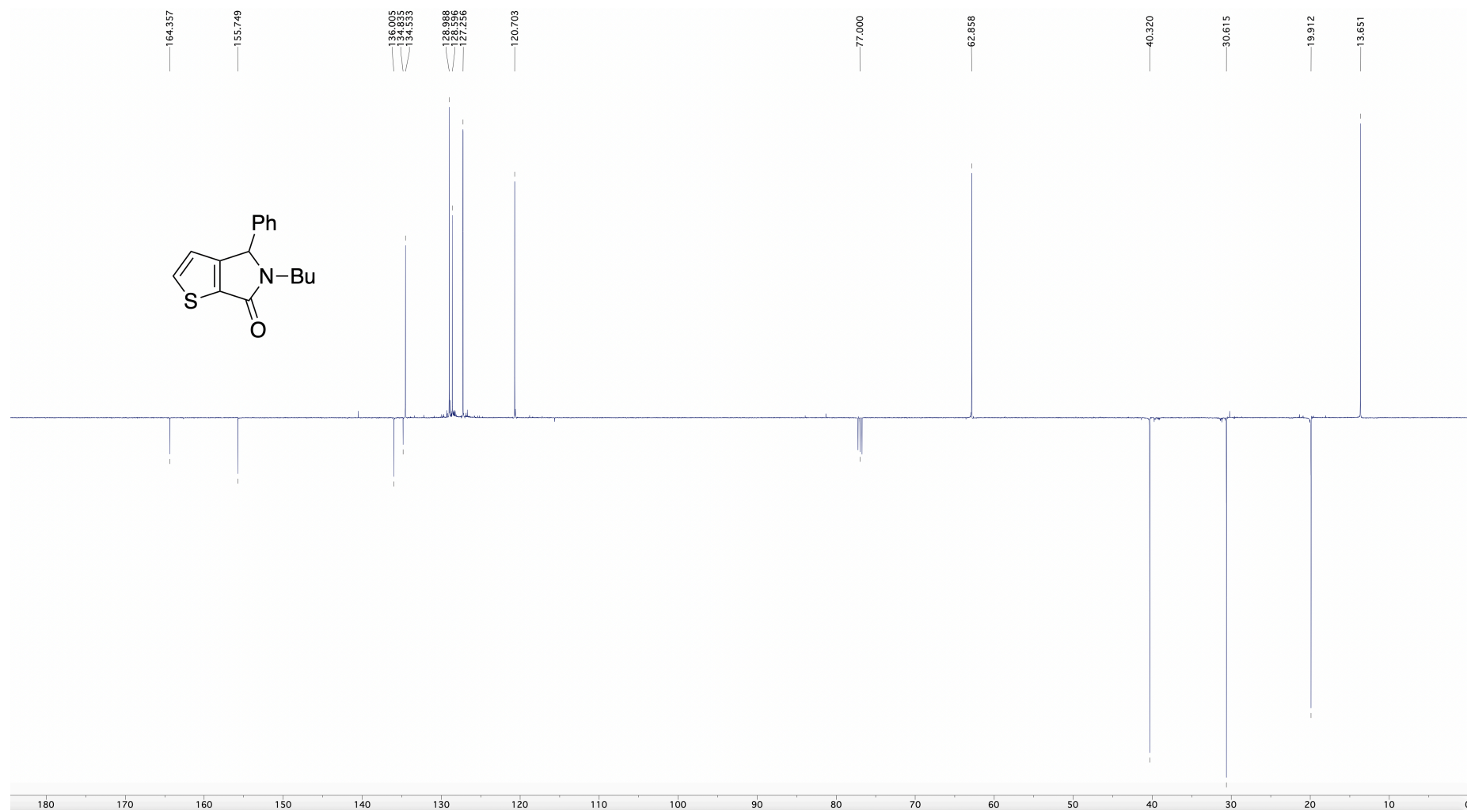


Figure S16. 500 MHz  $^1\text{H}$  NMR spectrum of **30**

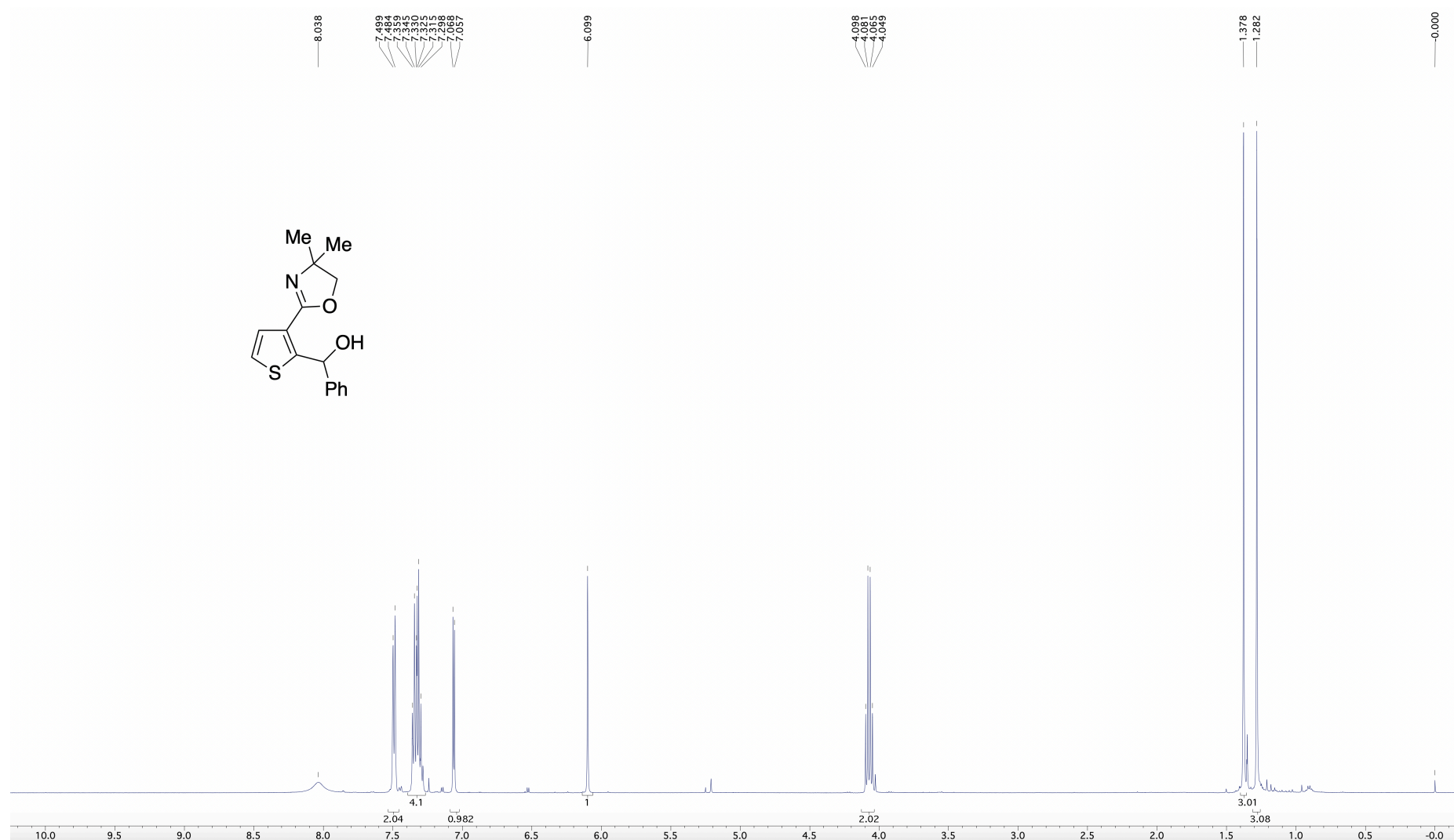


Figure S17. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **30**

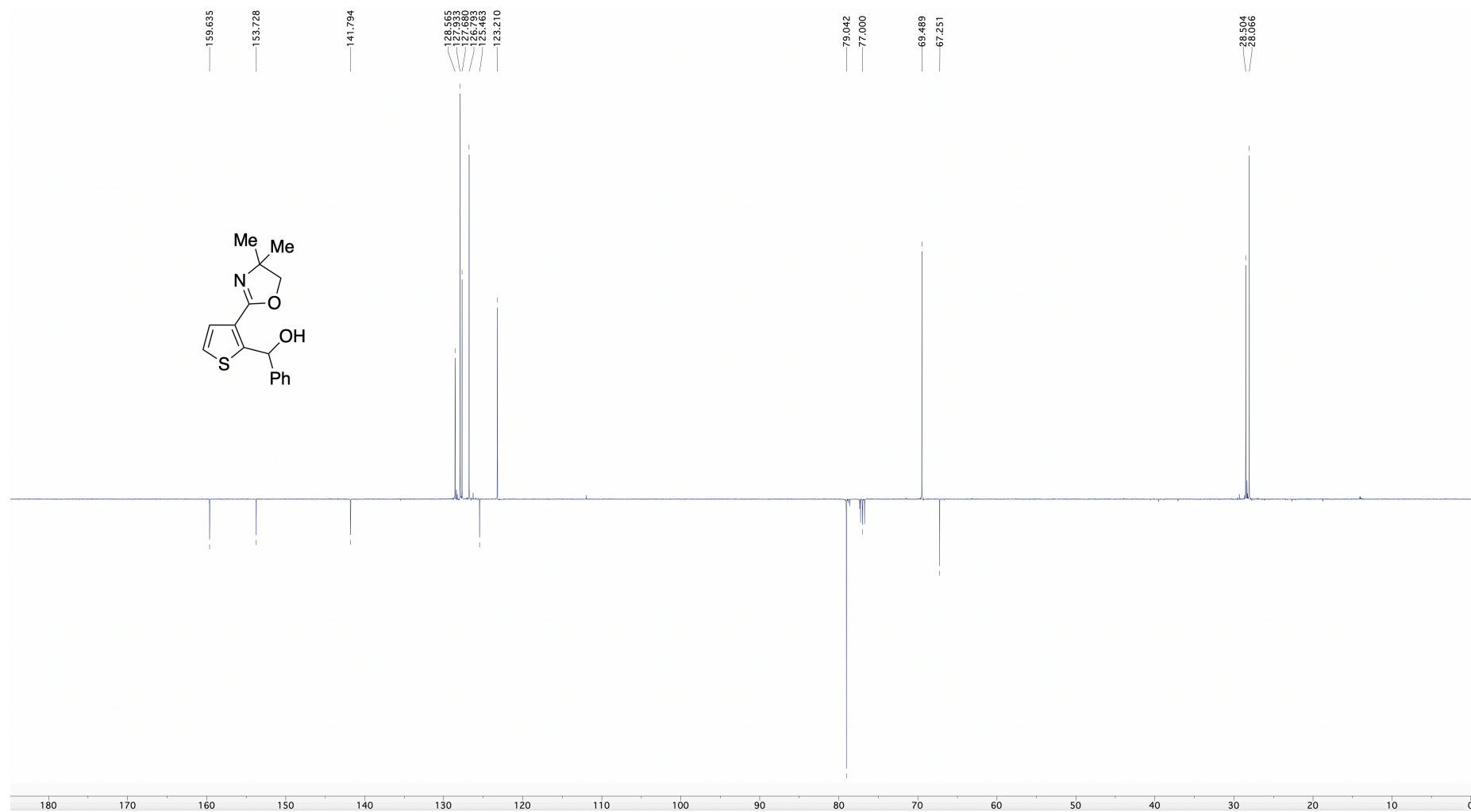


Figure S18. 500 MHz  $^1\text{H}$  NMR spectrum of **33**

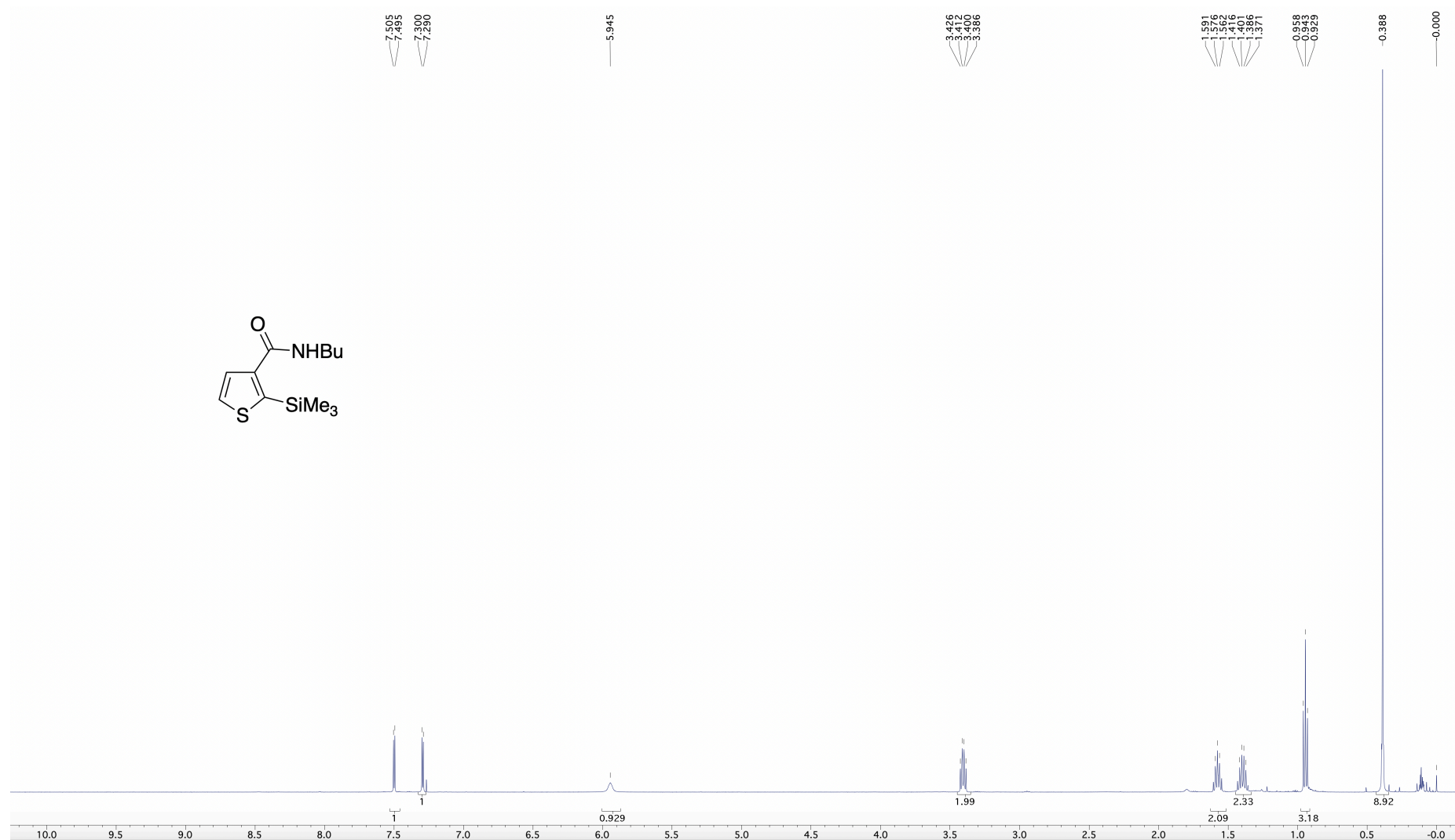


Figure S19. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **33**

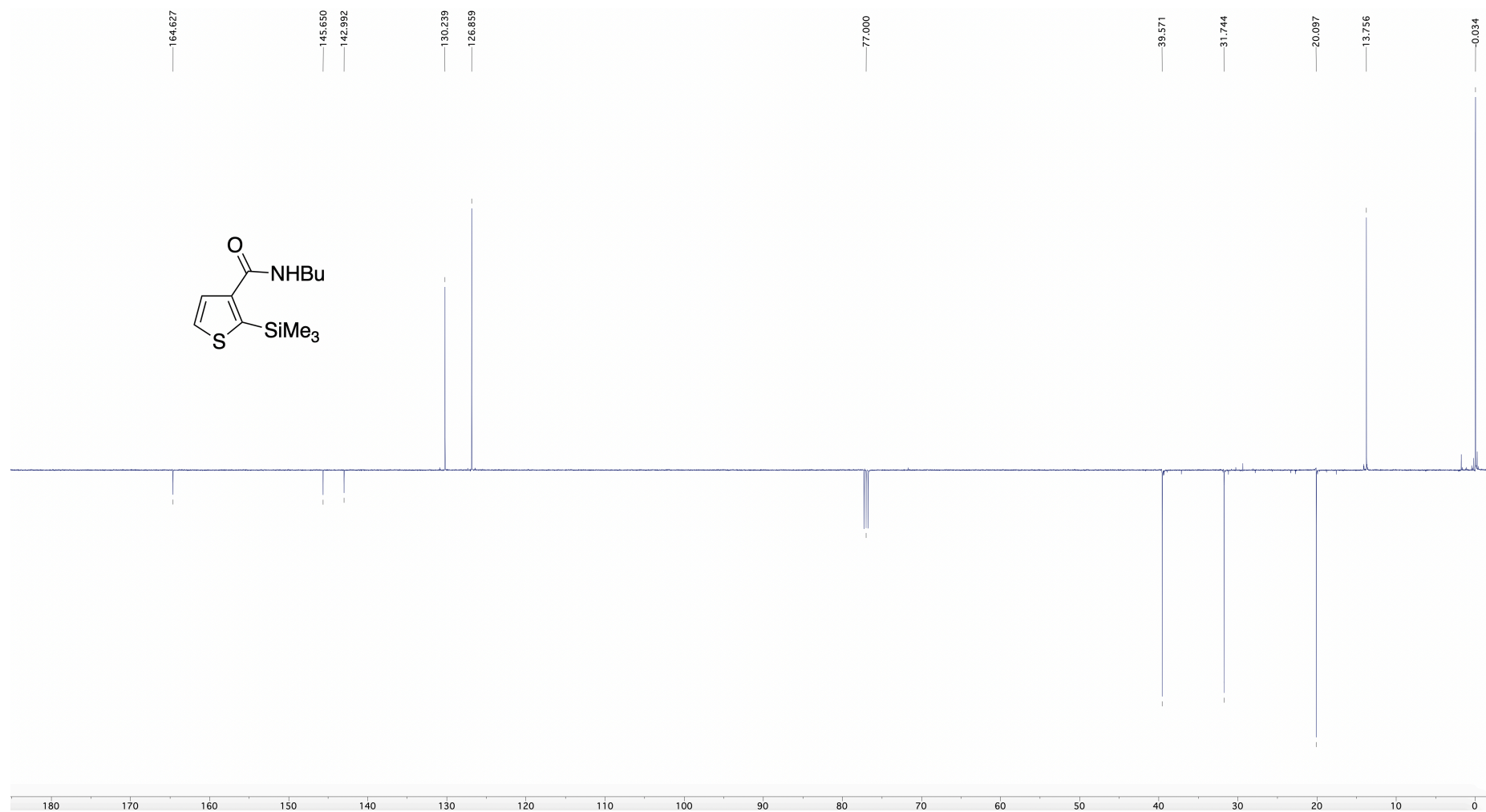


Figure S20. 400 MHz  $^1\text{H}$  NMR spectrum of **35**

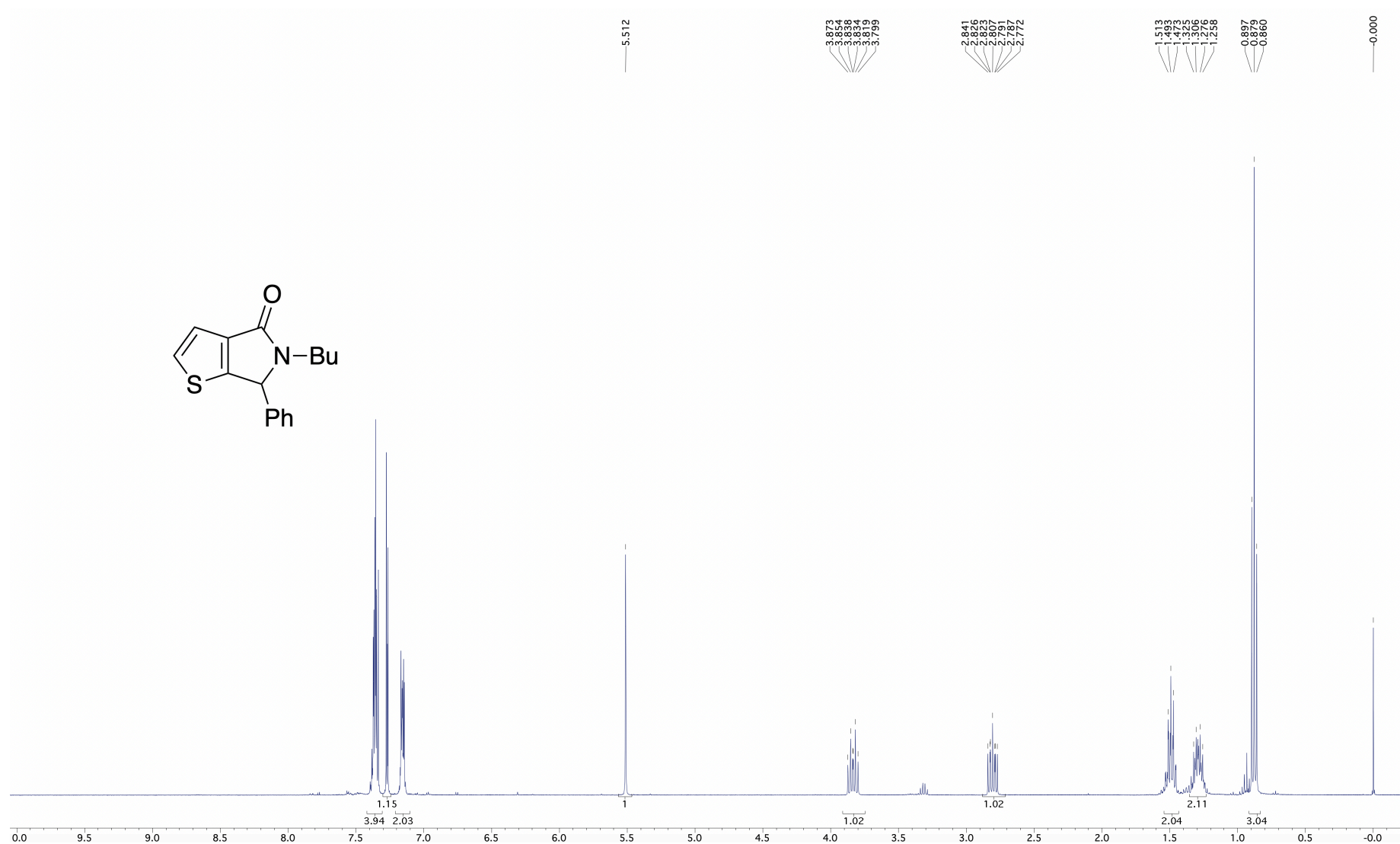


Figure S21. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **35**

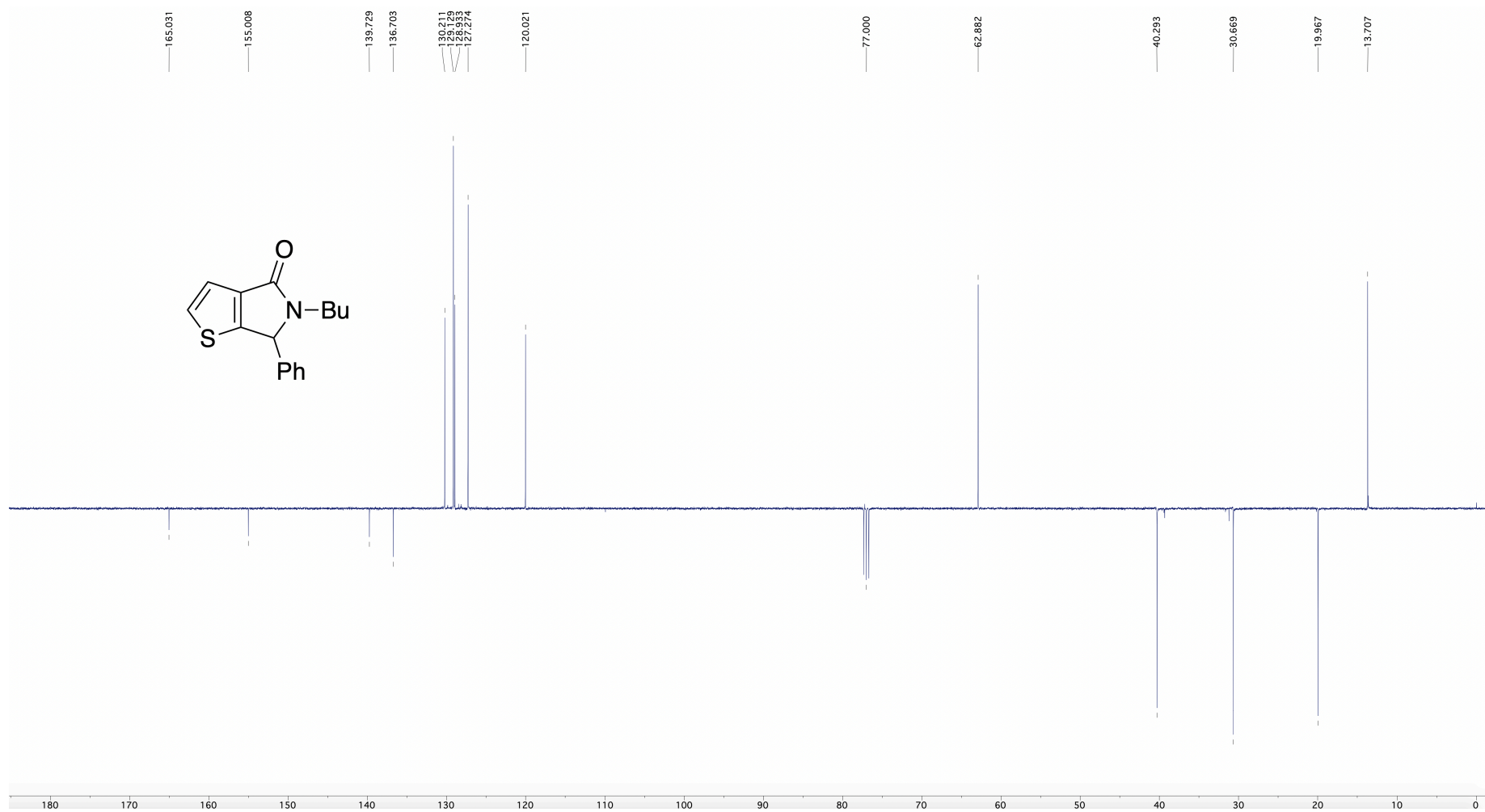


Figure S22. 400 MHz  $^1\text{H}$  NMR spectrum of **36**

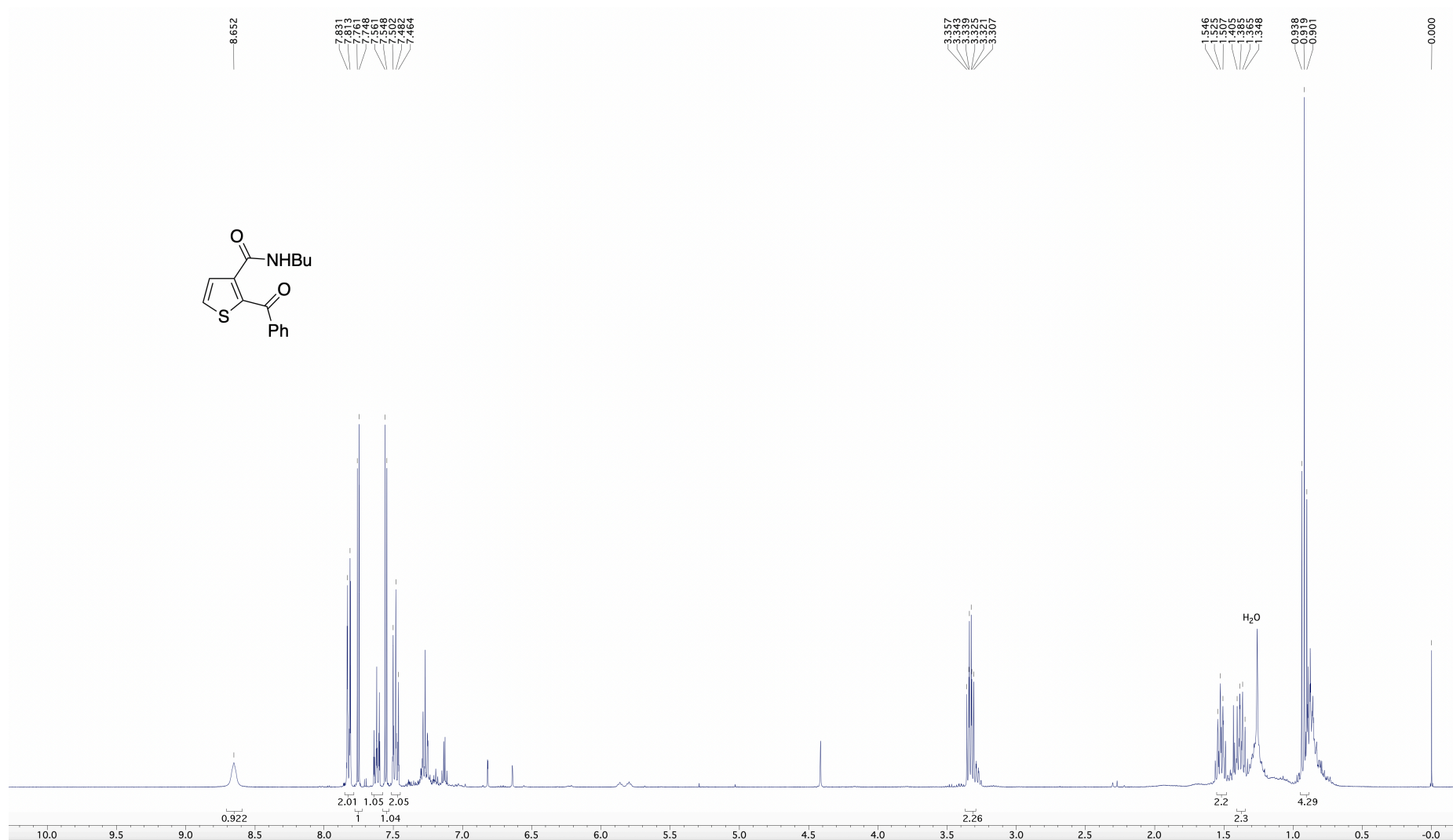


Figure S23. 100 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **36**

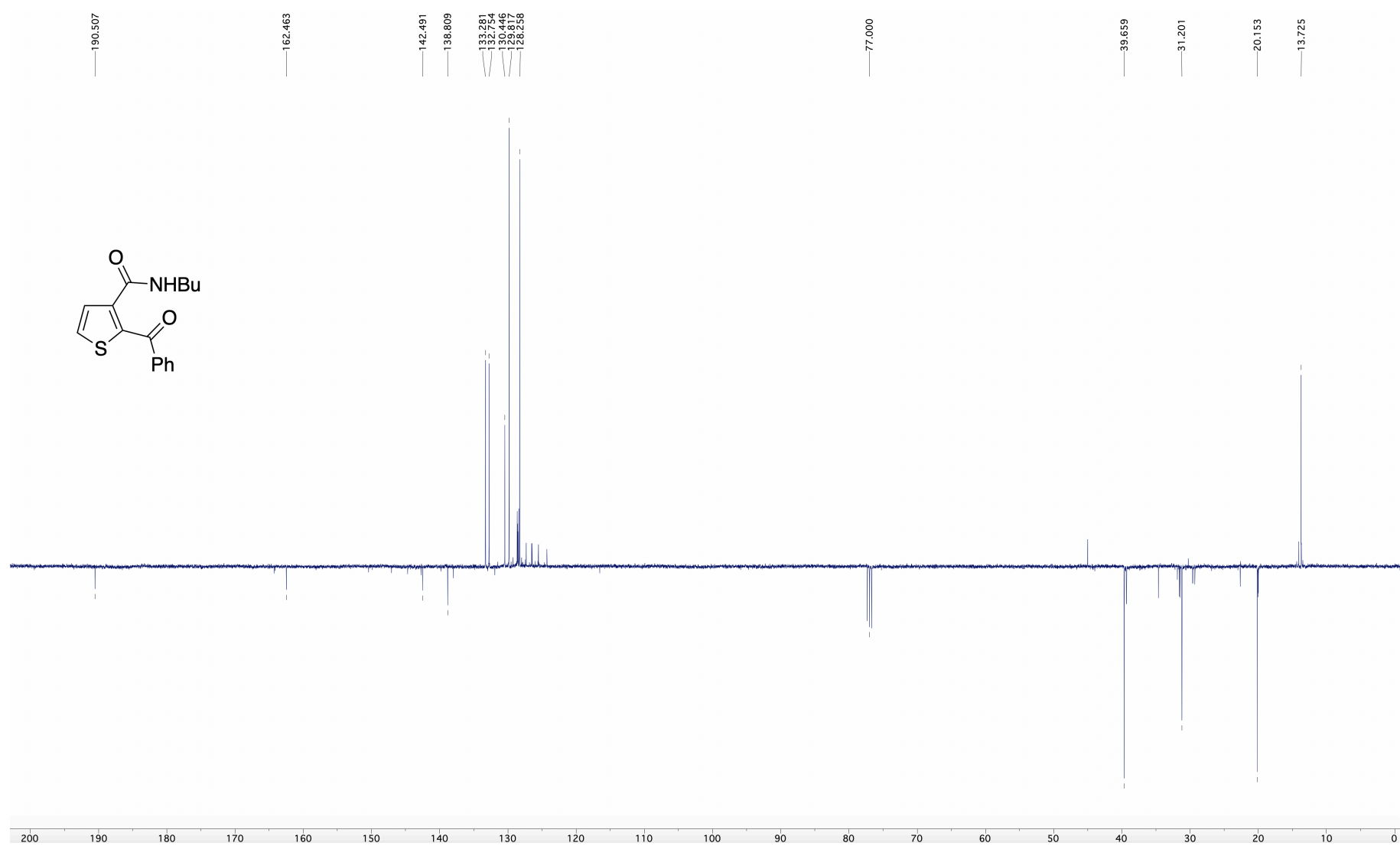


Figure S24. 100 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **37**

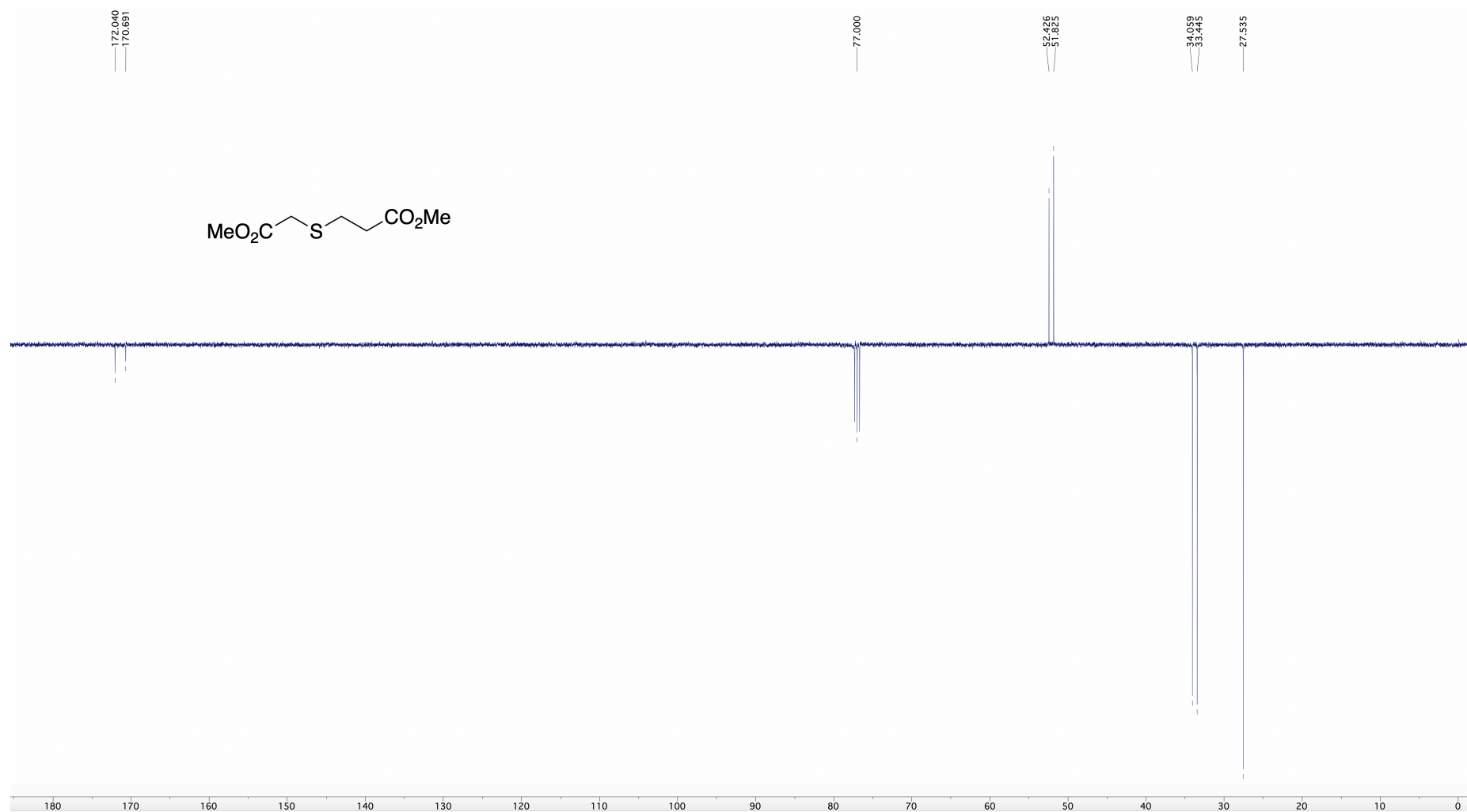


Figure S25. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **39**

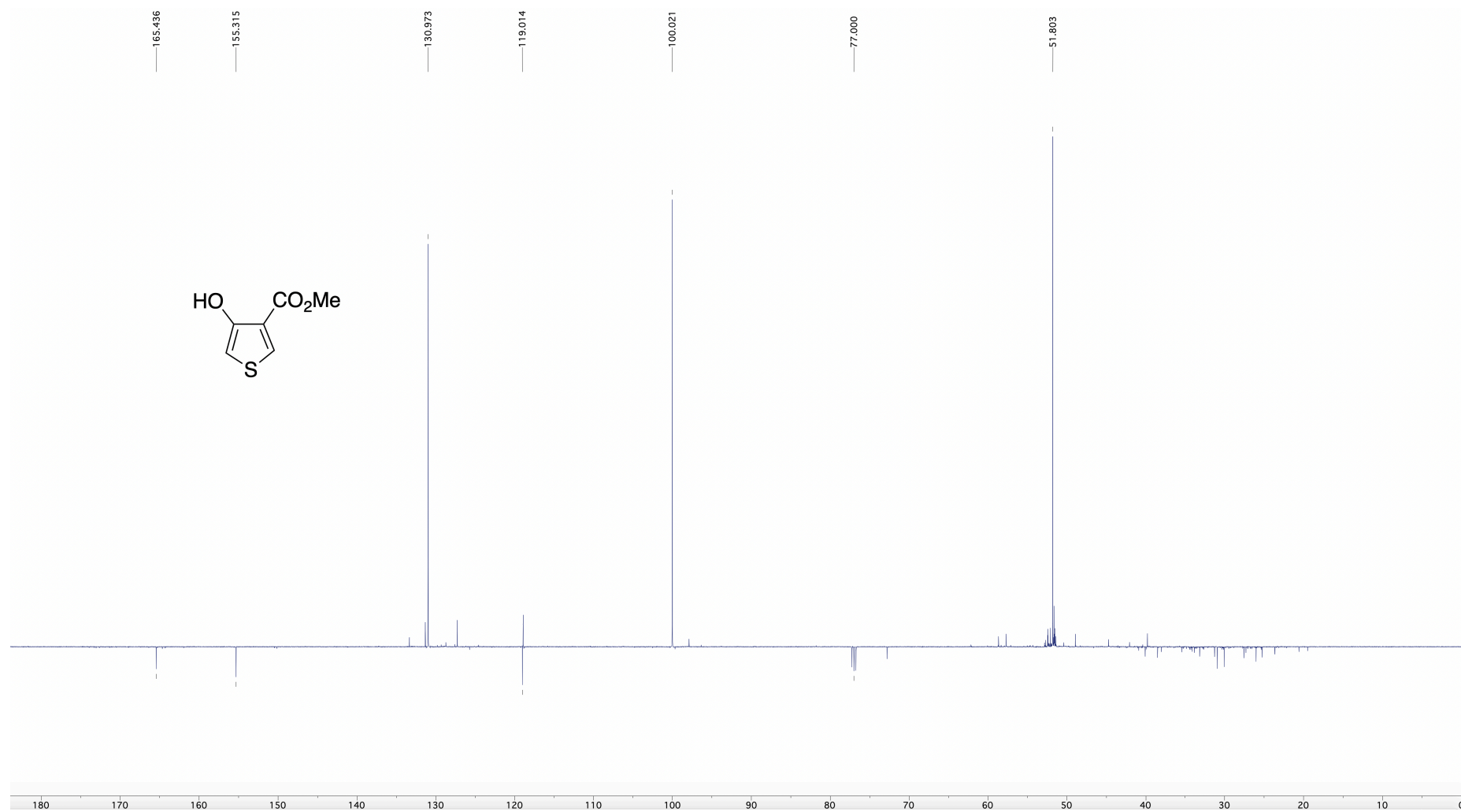


Figure S26. 500 MHz  $^1\text{H}$  NMR spectrum of **41**

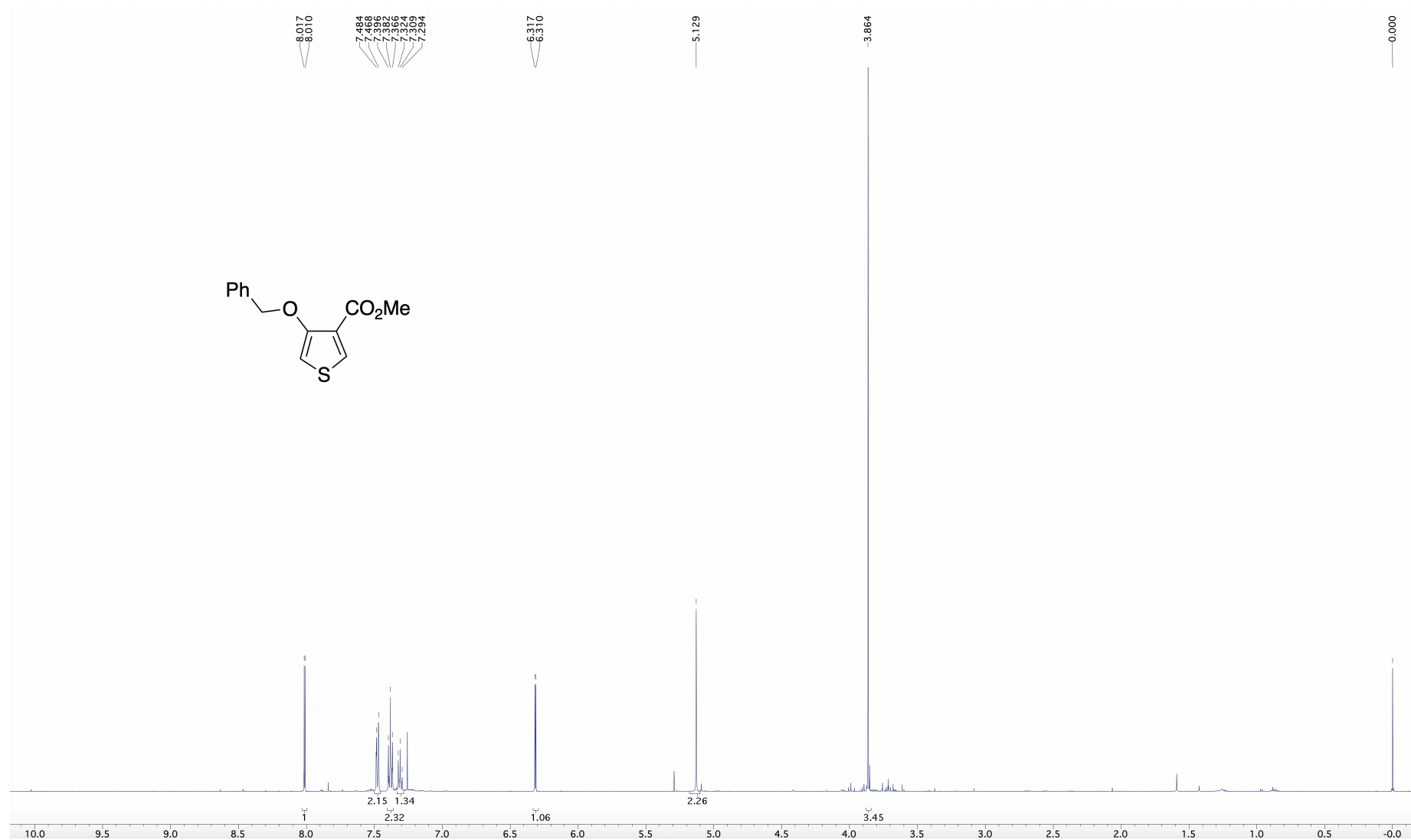


Figure S27. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **41**

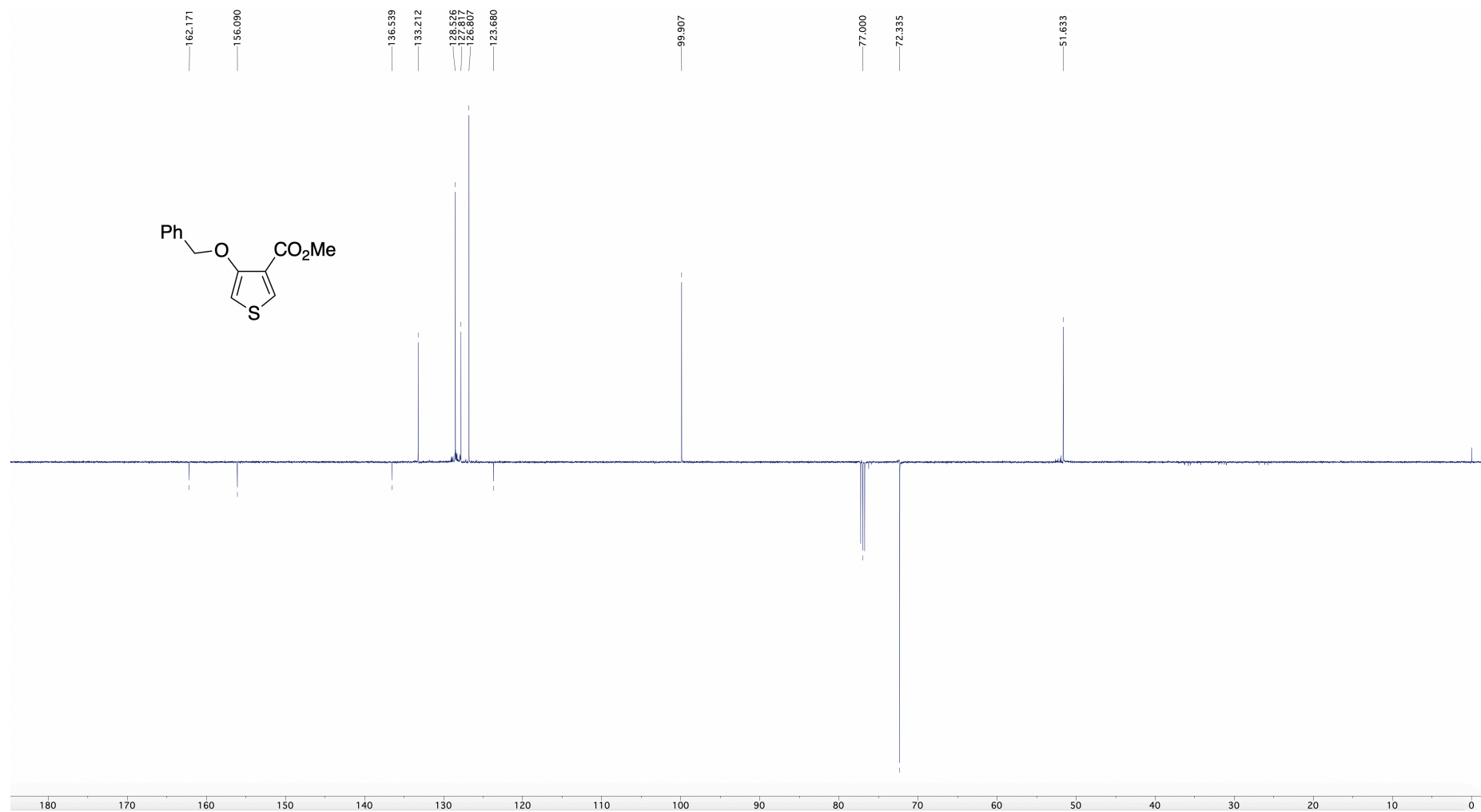


Figure S28. 500 MHz  $^1\text{H}$  NMR spectrum of **42**

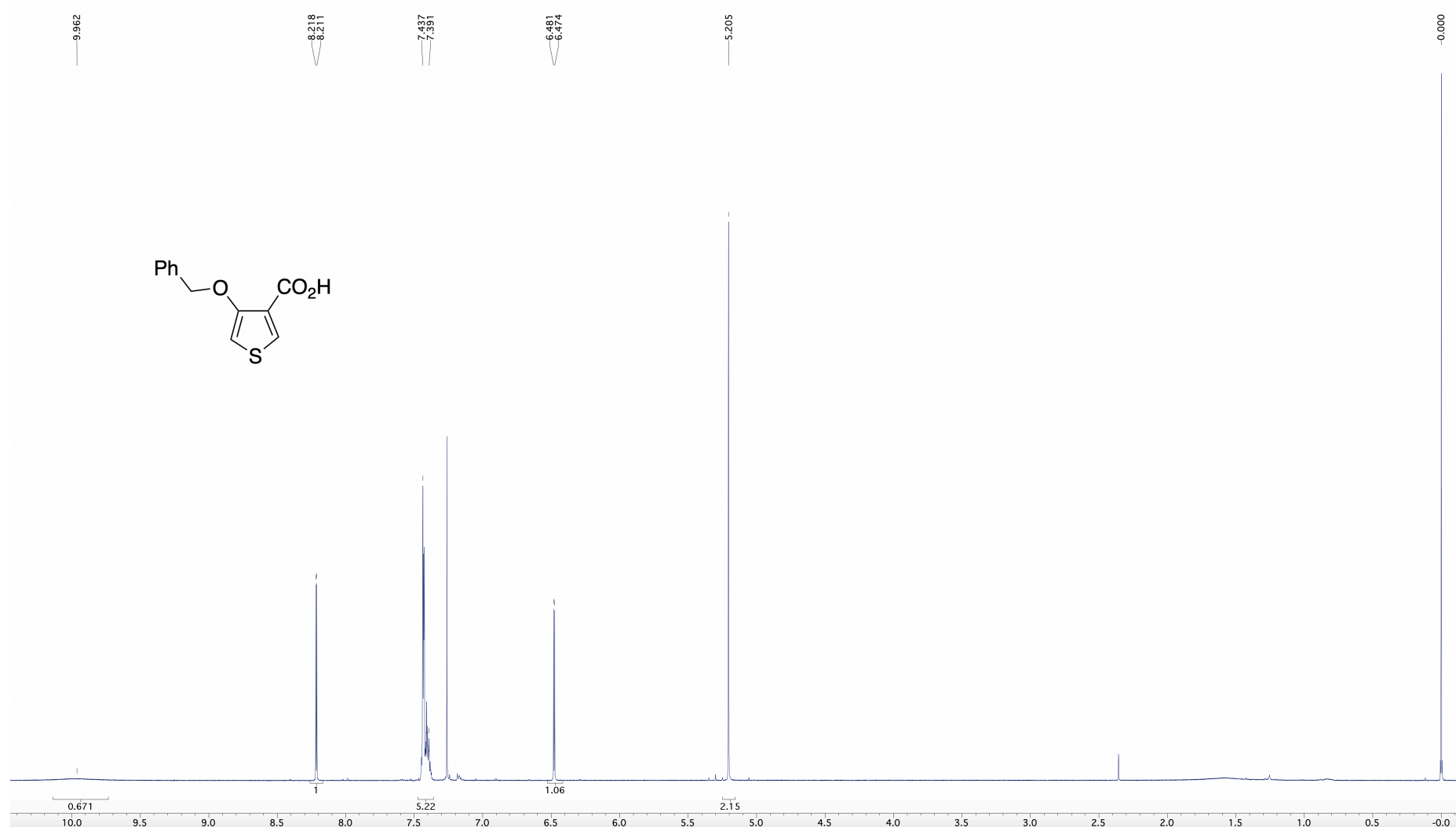


Figure S29. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **42**

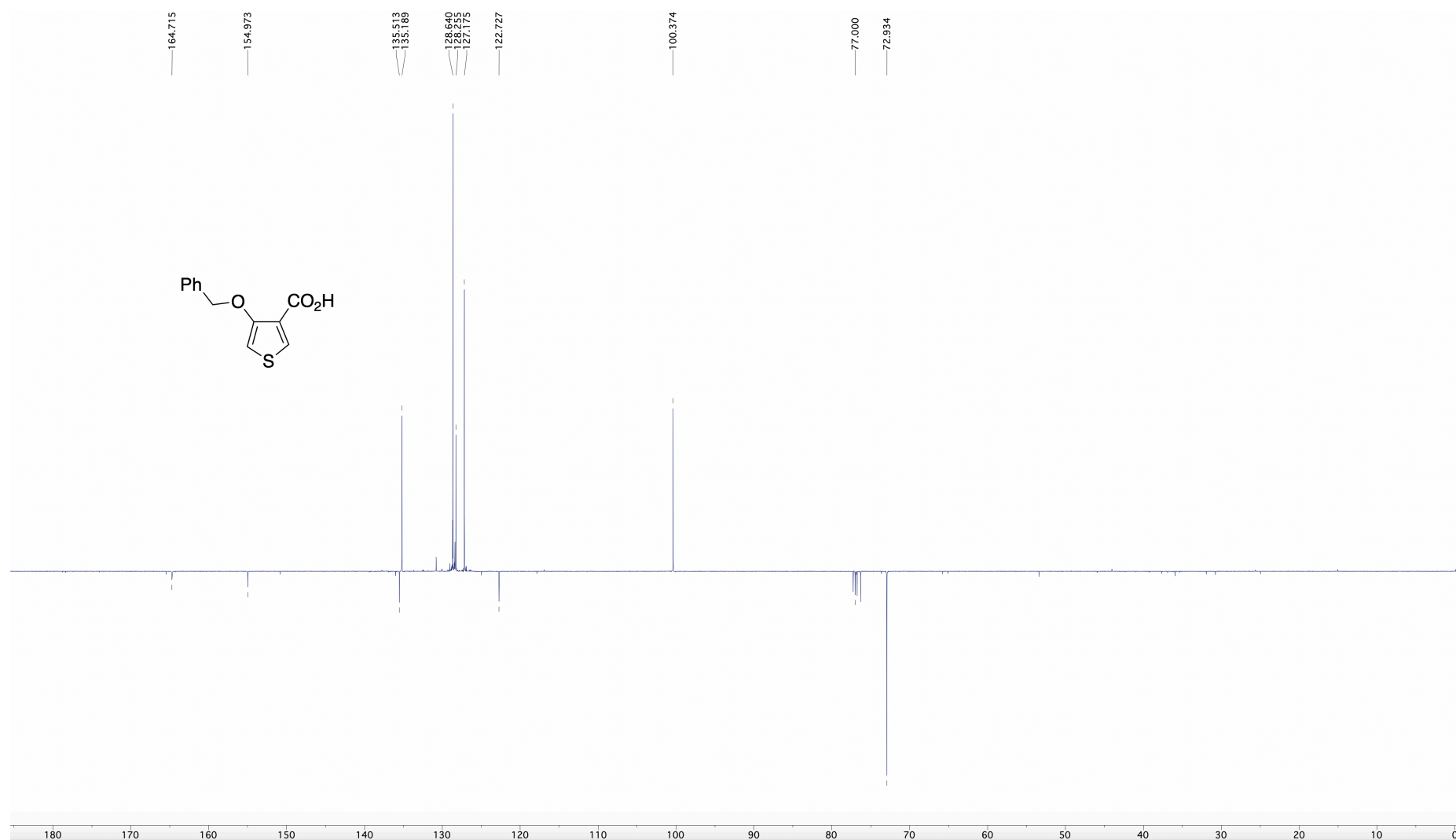


Figure S30. 400 MHz  $^1\text{H}$  NMR spectrum of **43**

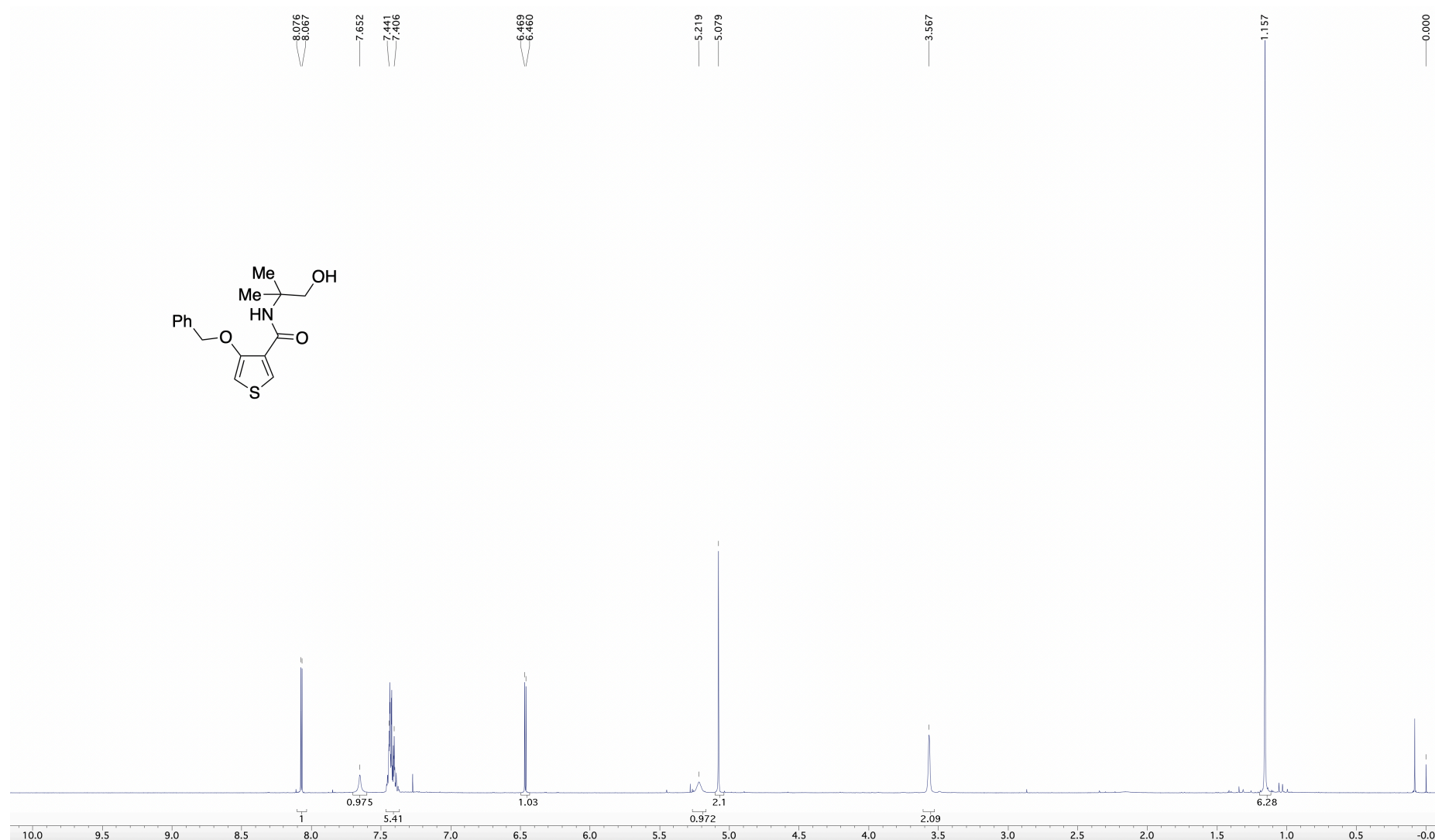


Figure S31. 100 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **43**

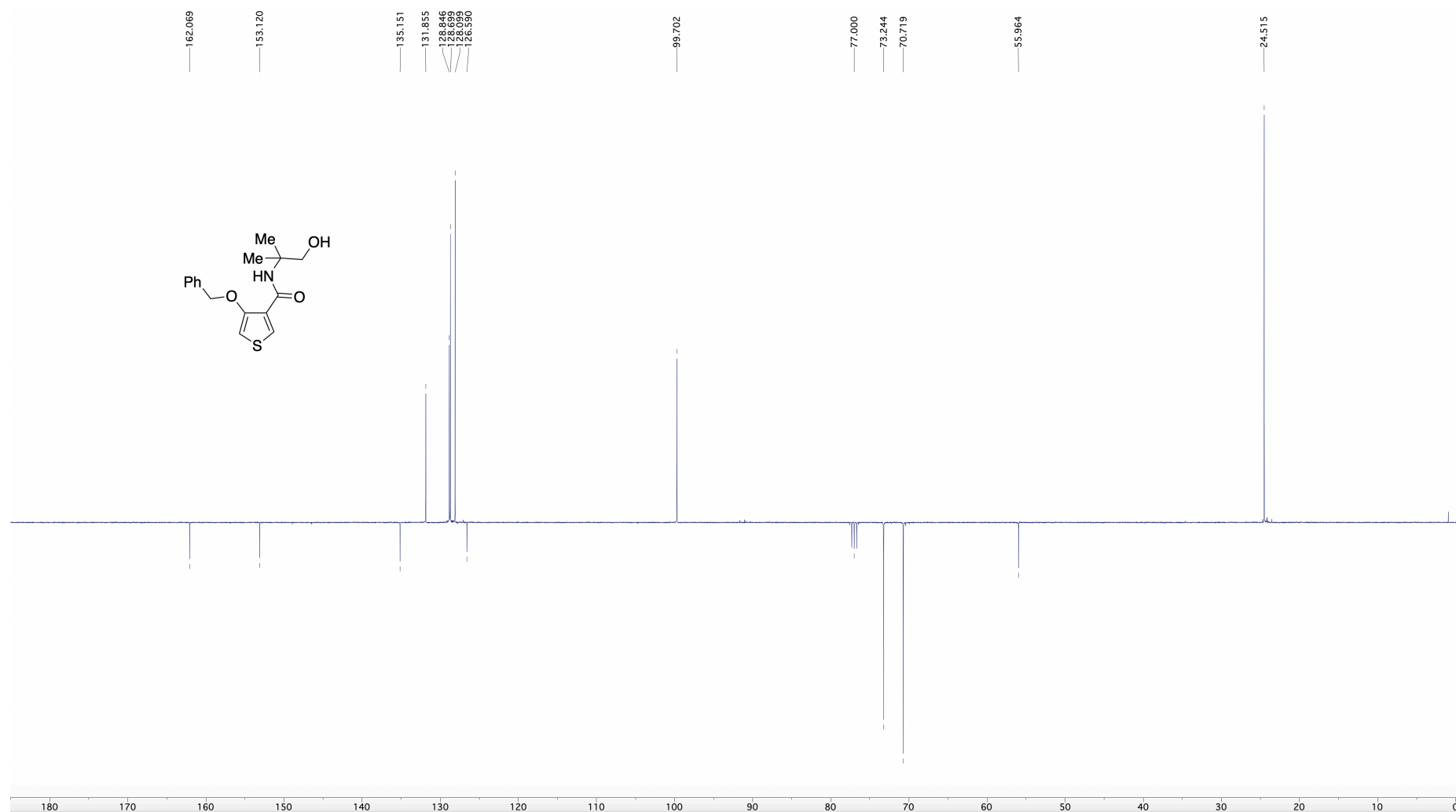


Figure S32. 400 MHz  $^1\text{H}$  NMR spectrum of **13**

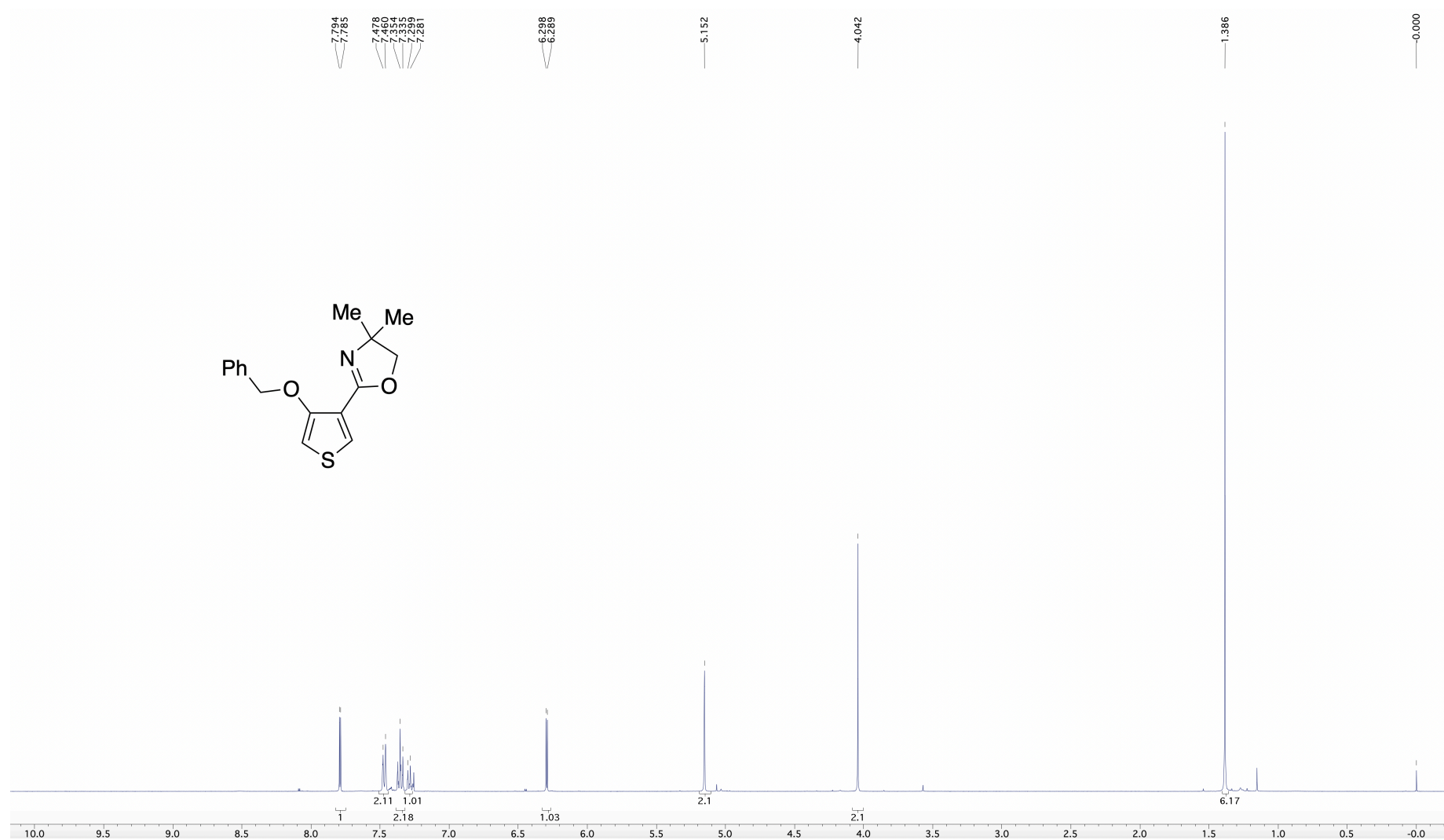
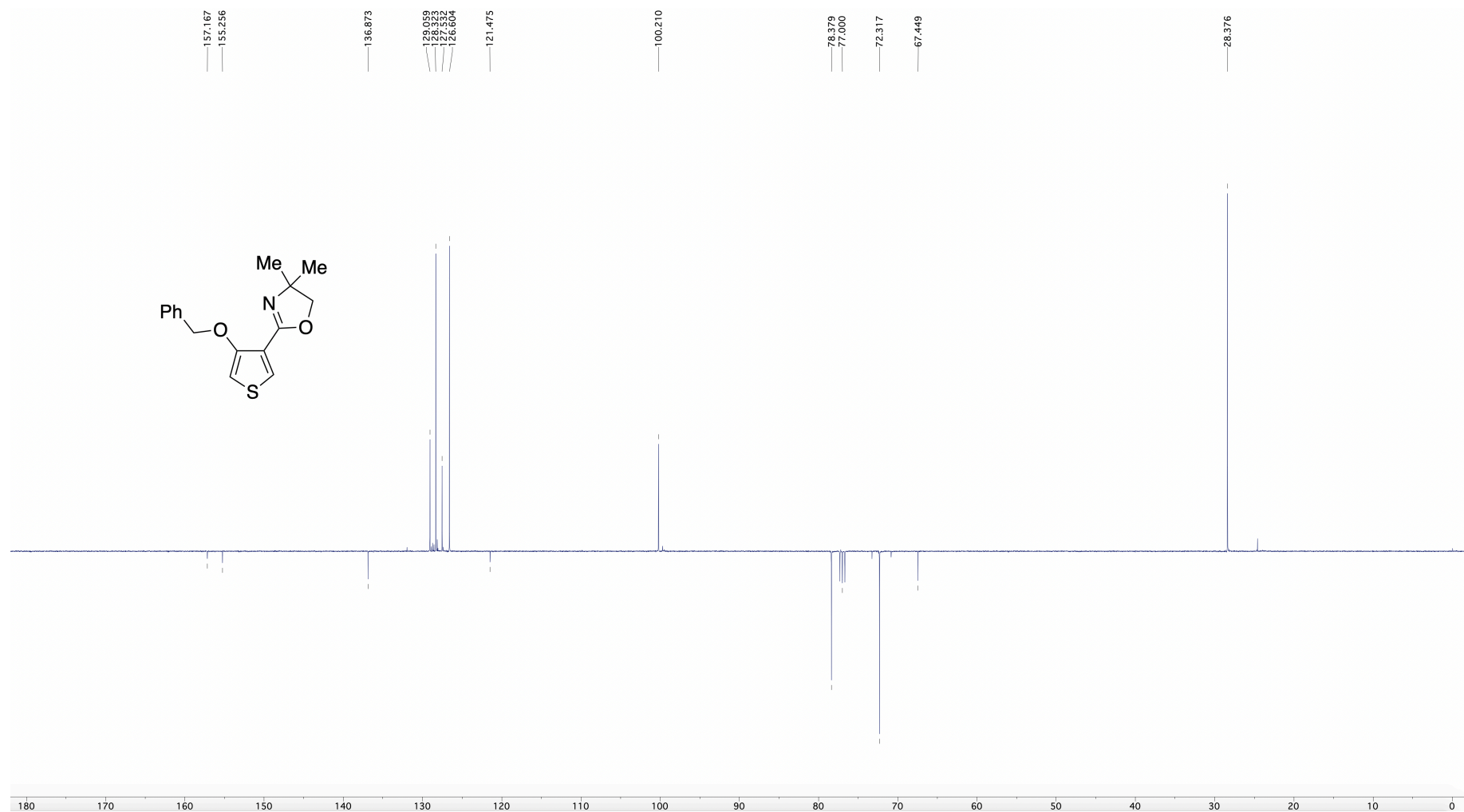


Figure S33. 100 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **13**



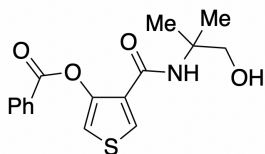
CC(C)(CO)NC(=O)c1ccsc1OC(=O)c2ccccc2

Figure S35. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **45**

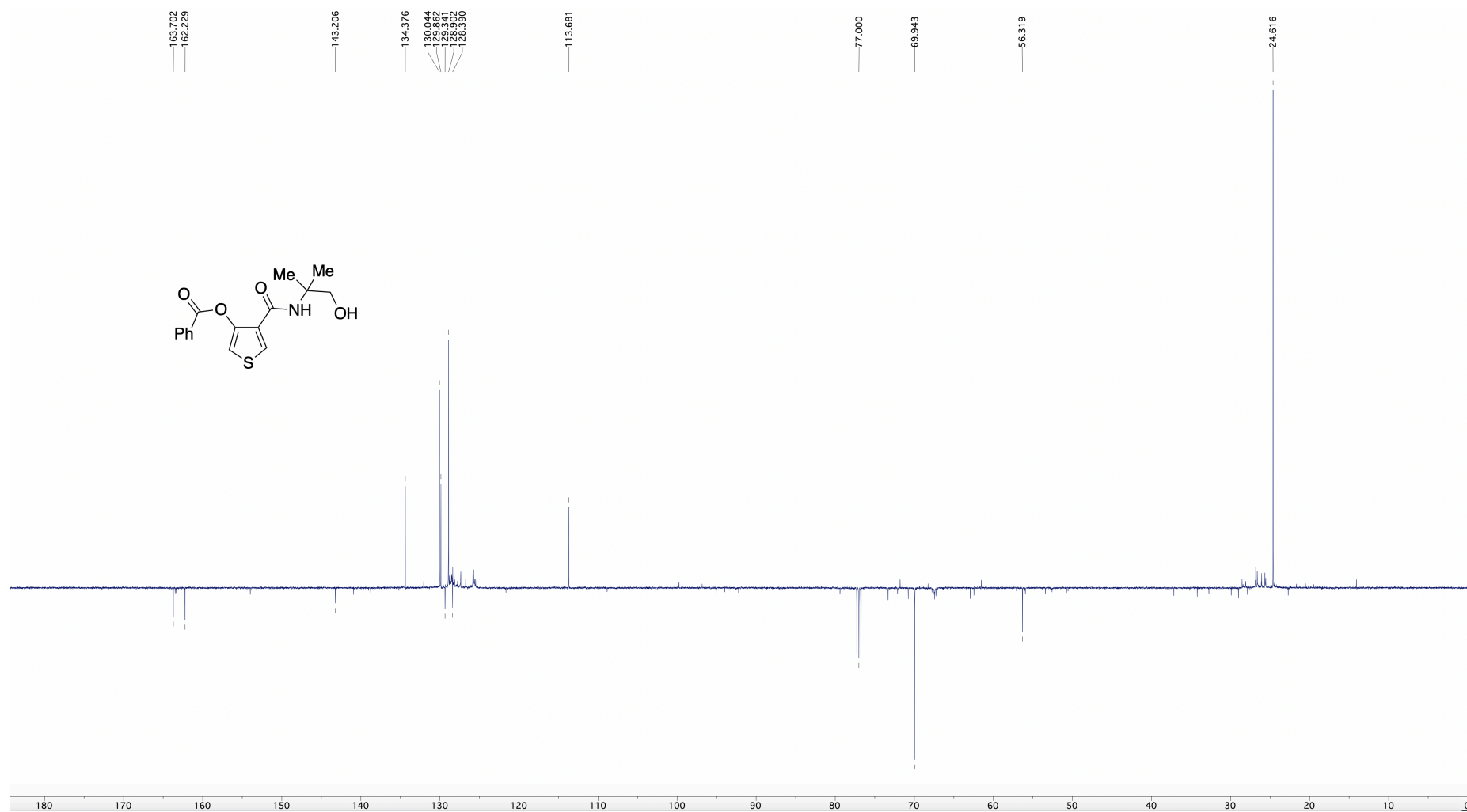


Figure S36. 400 MHz  $^1\text{H}$  NMR spectrum of **14**

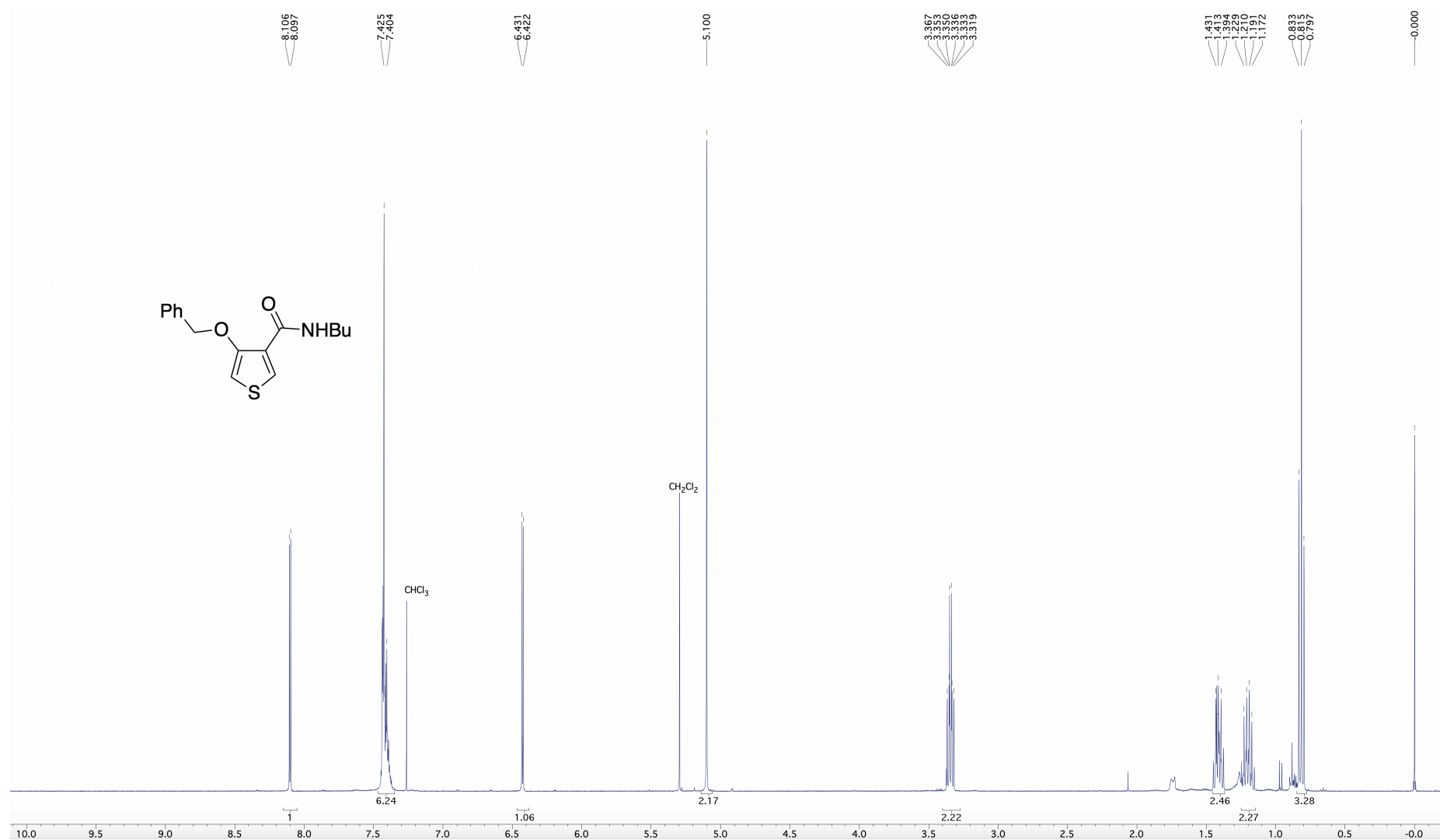


Figure S37. 10 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **14**

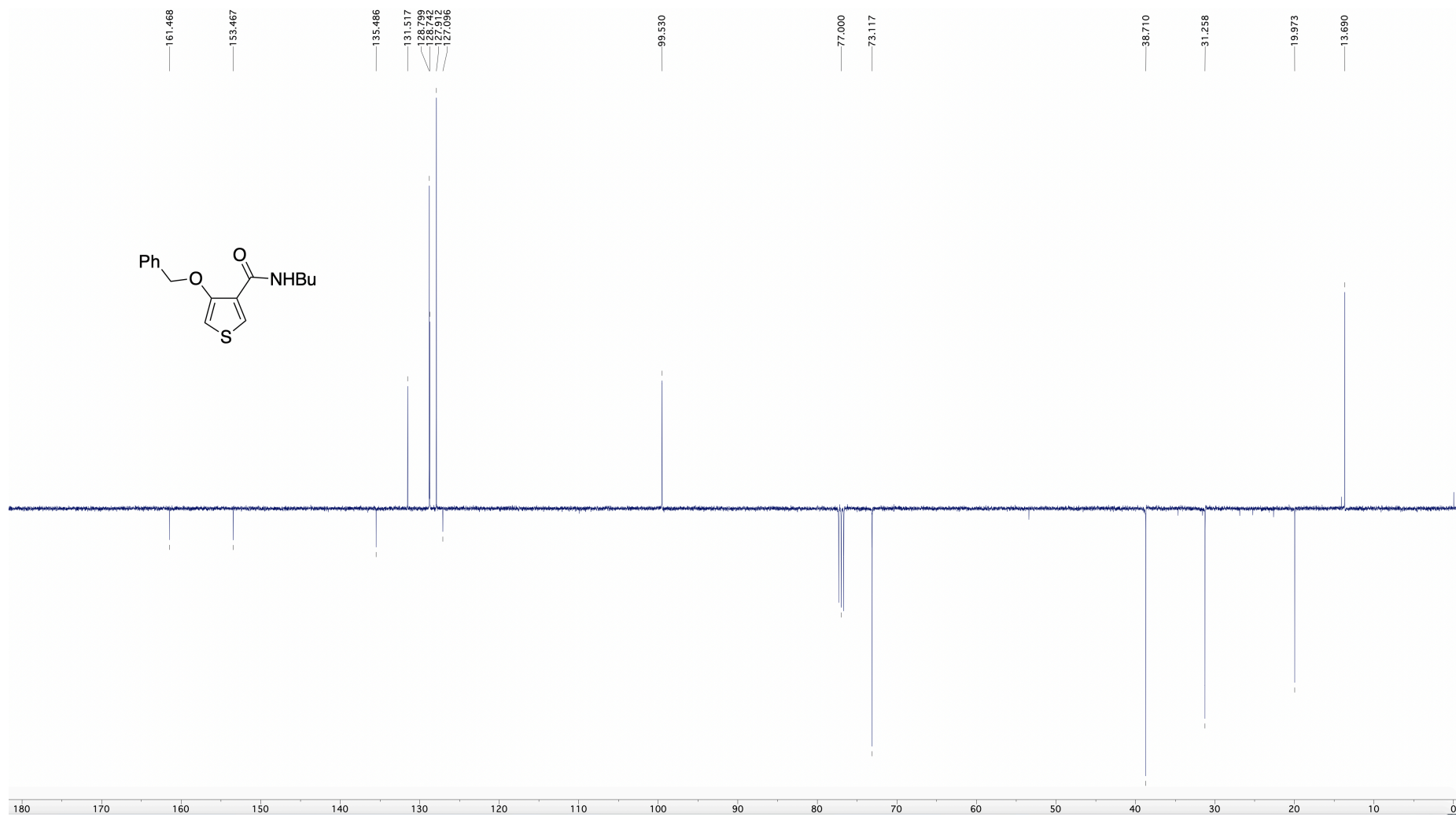


Figure S38. 400 MHz  $^1\text{H}$  NMR spectrum of **46**

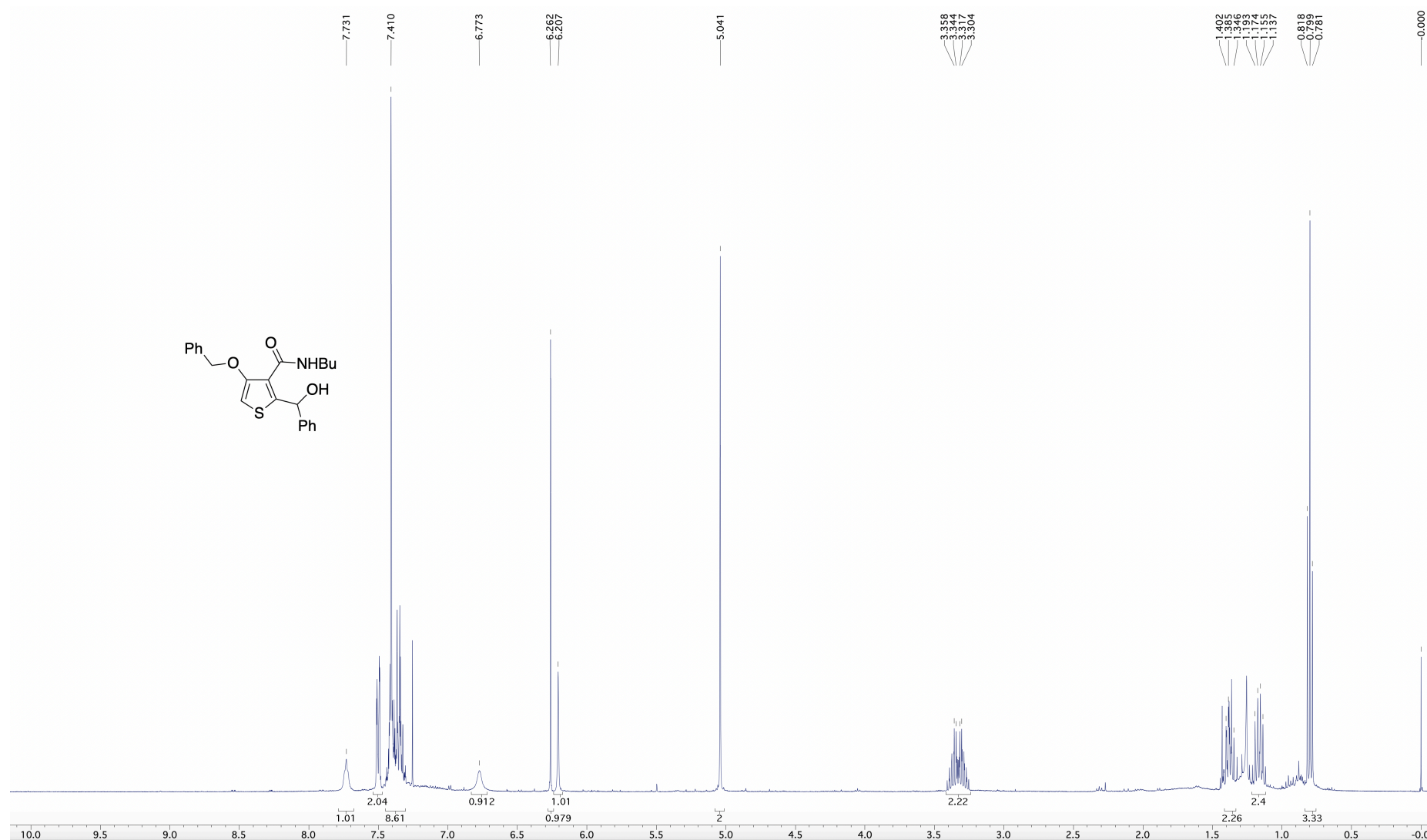


Figure S39. 100 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **46**

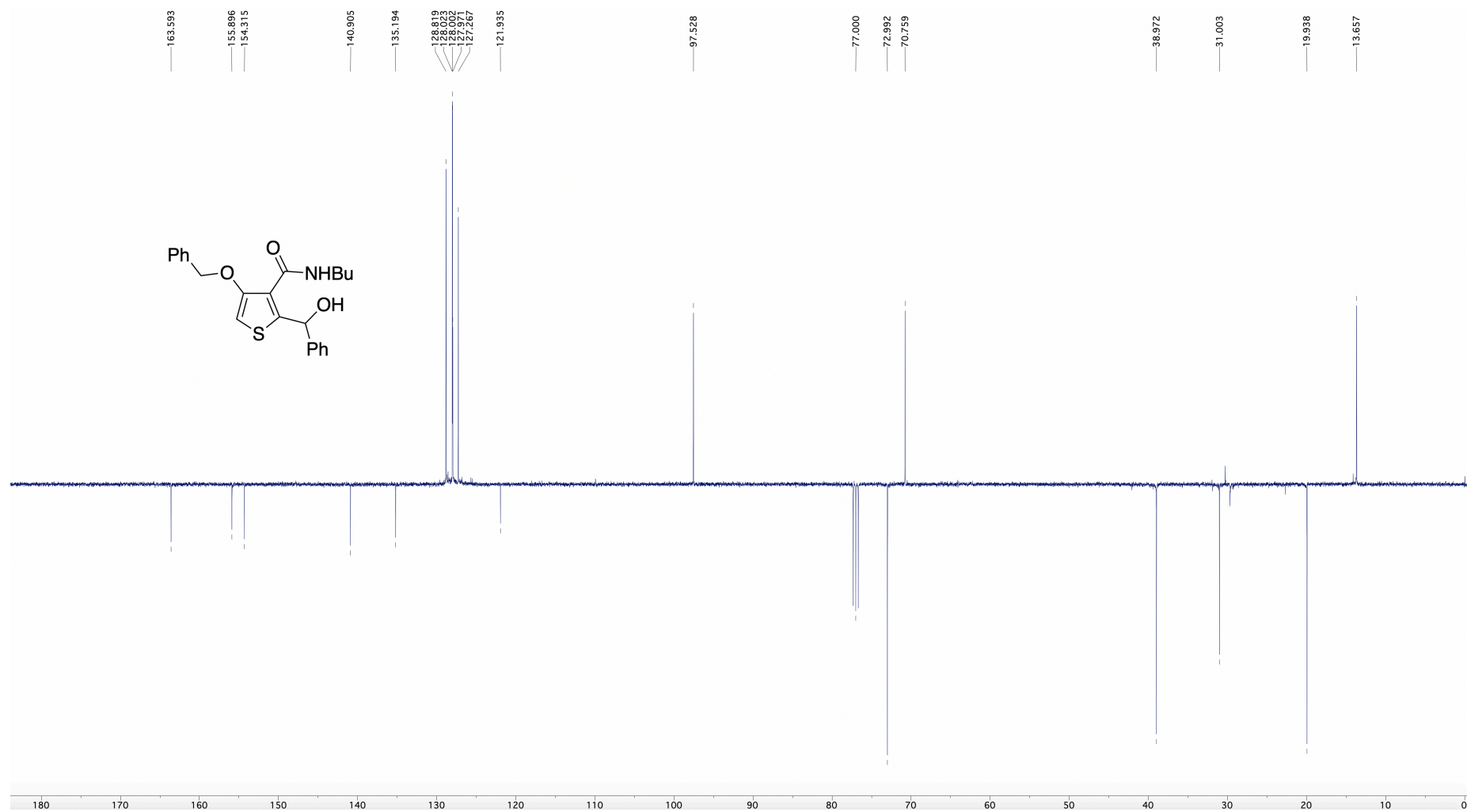


Figure 40. 500 MHz  $^1\text{H}$  NMR spectrum of **47**

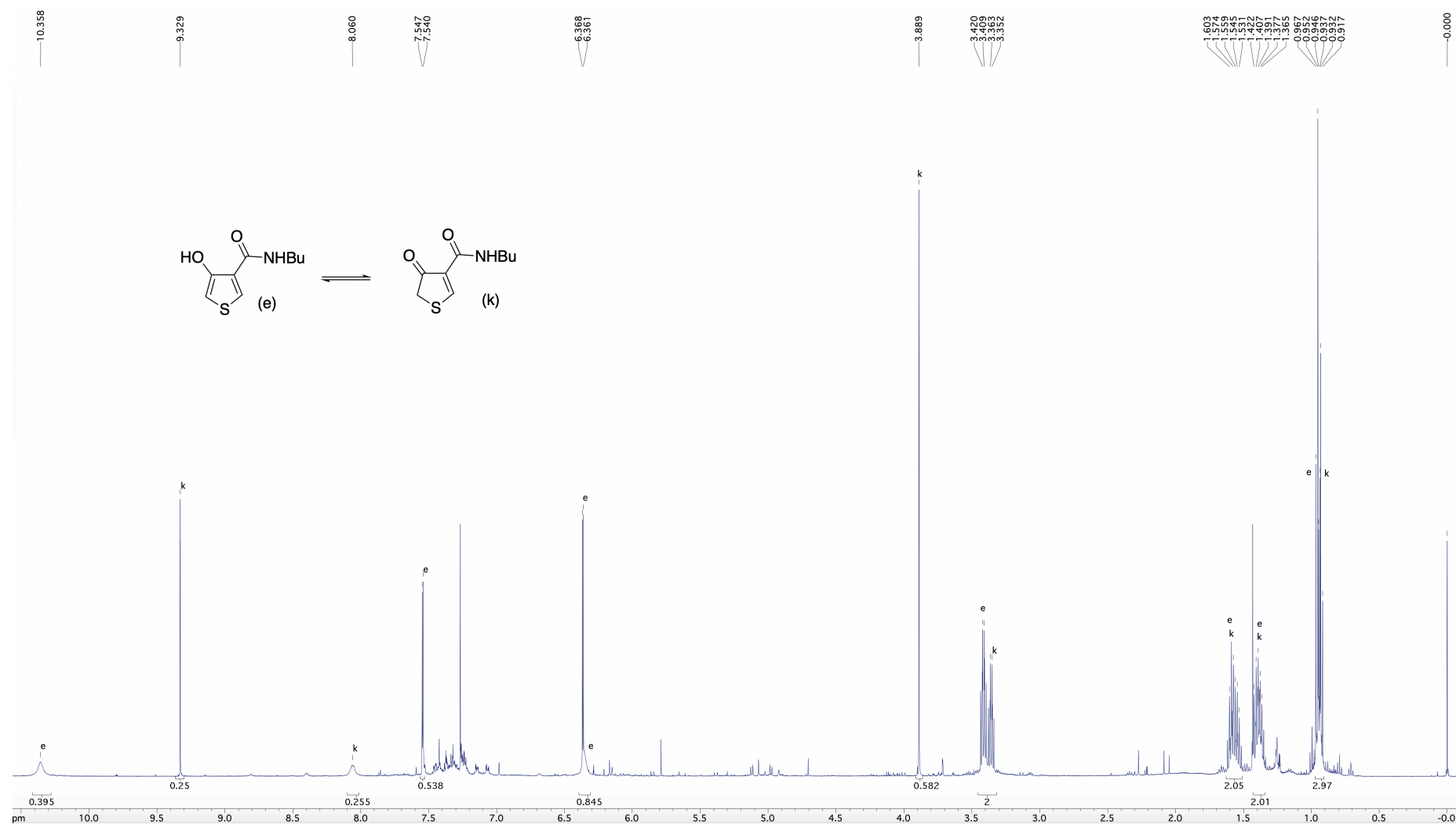


Figure S41. 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **47**

