

Supplementary Materials for Molecules

Discovery of Novel Cinnamide Fungicidal Leads with Optical Hydroxyl Side Chain

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1. NMR spectra for the intermediates and title compounds

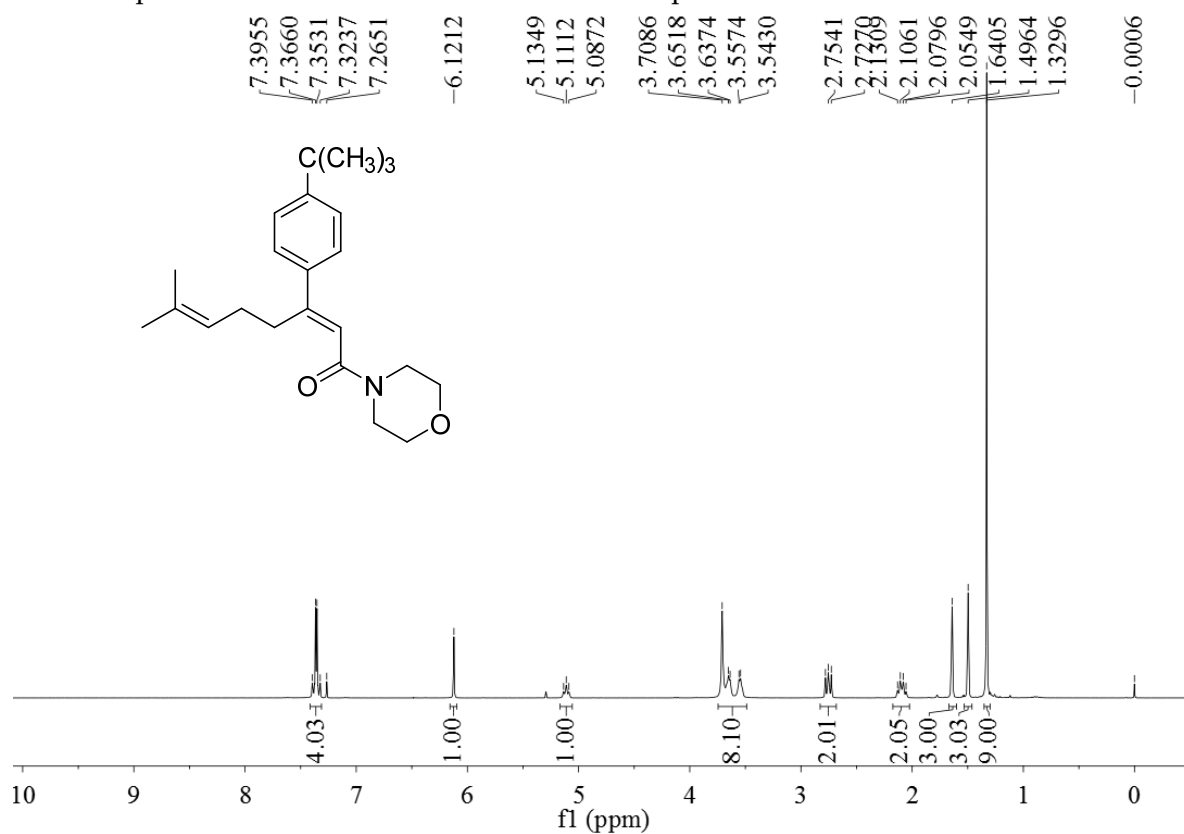


Figure S1. ^1H NMR of Compound 10a

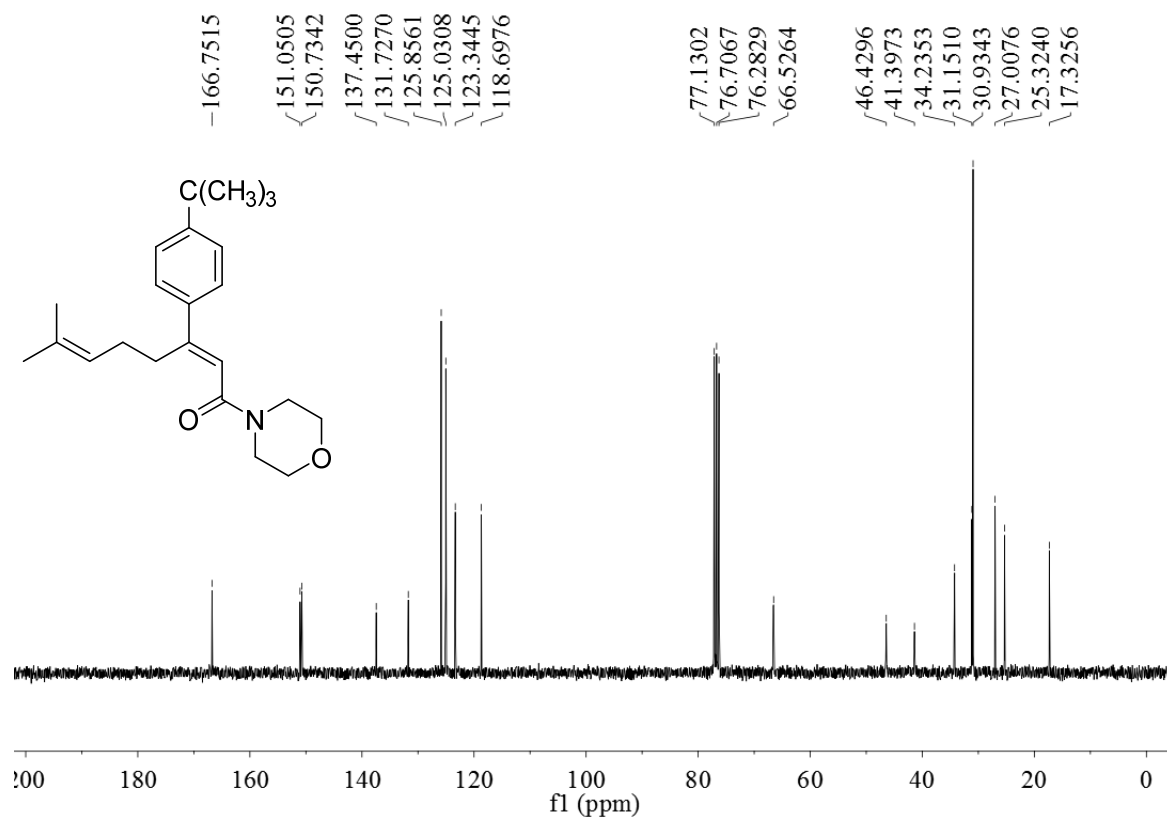


Figure S2. ^{13}C NMR spectrum of 10a

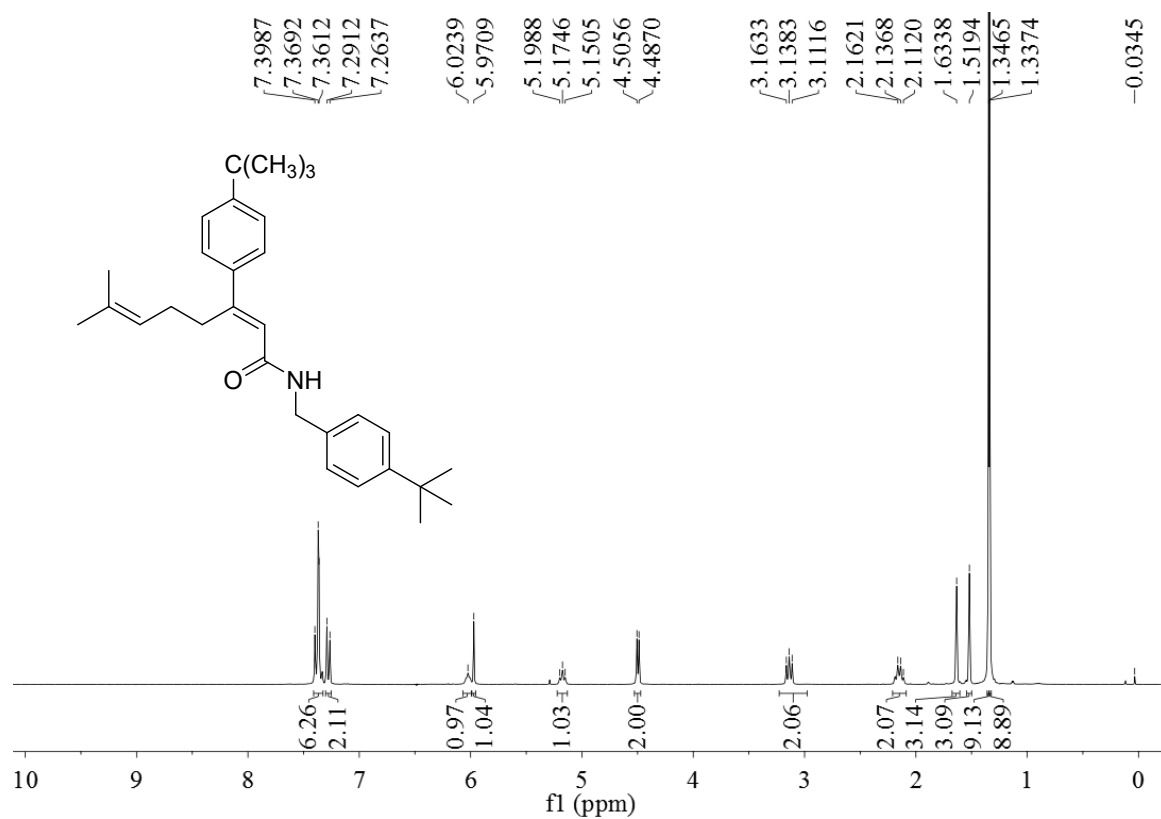


Figure S3. ¹H NMR of Compound 10b

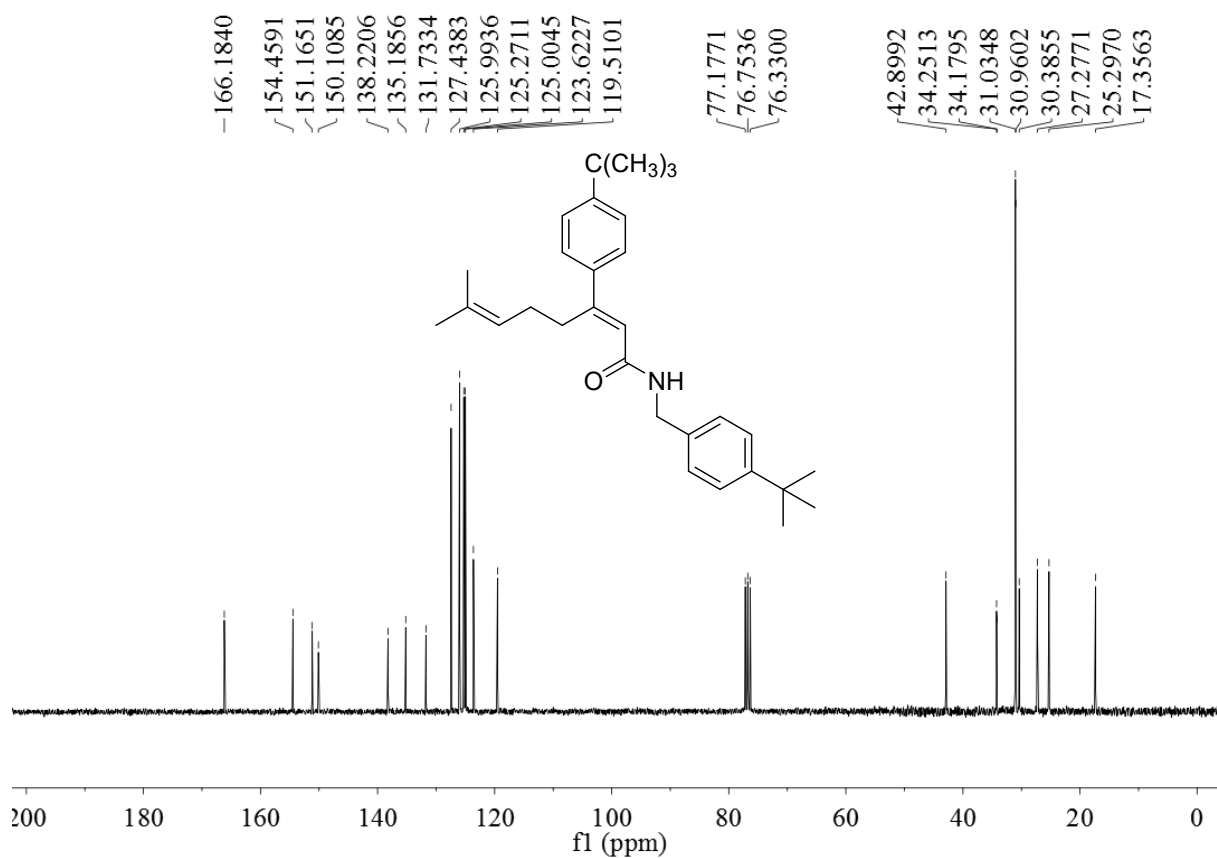


Figure S4. ¹³C NMR spectrum of 10b

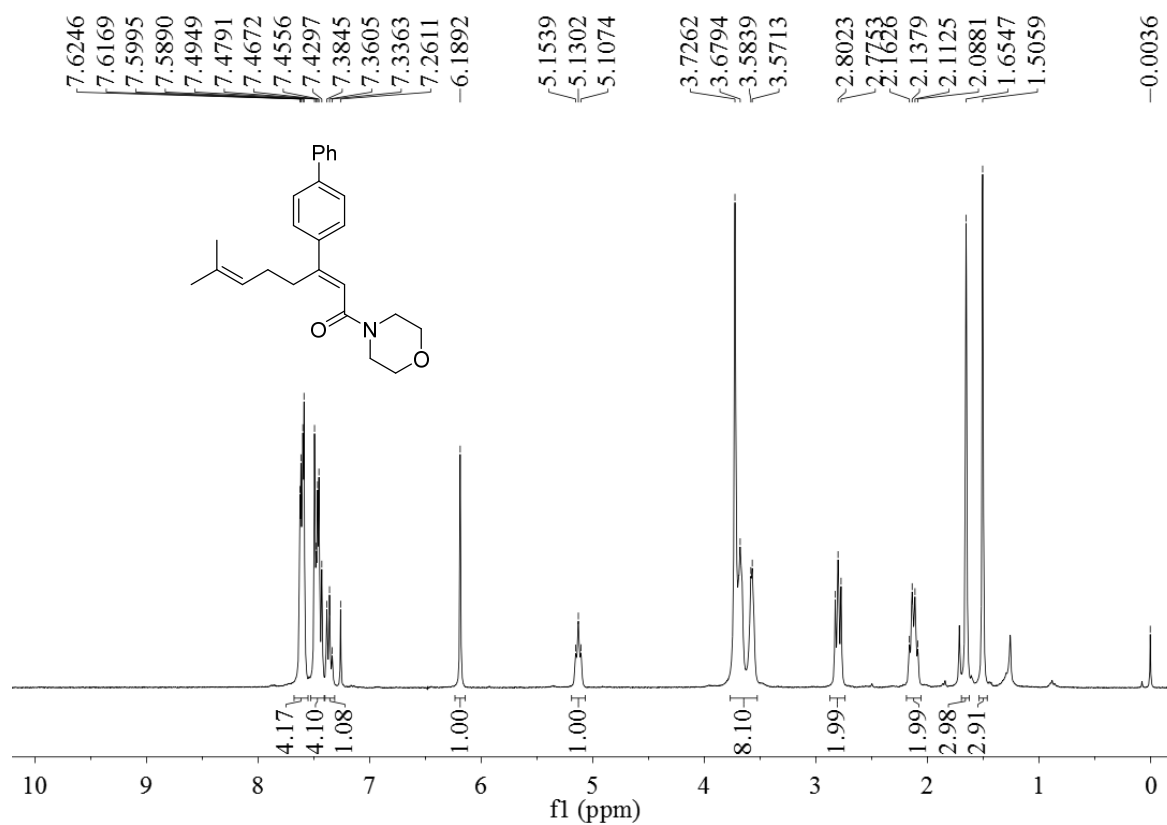


Figure S5. ¹H NMR of Compound 10c

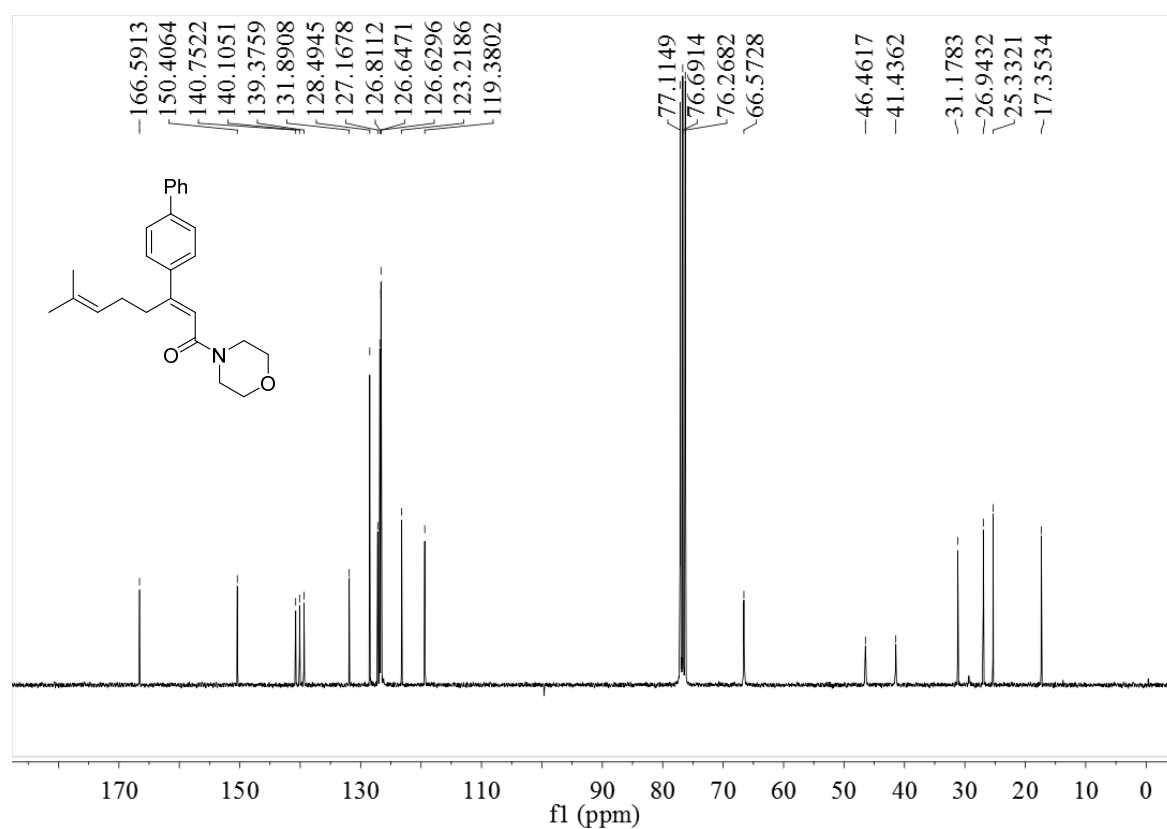


Figure S6. ¹³C NMR spectrum of 10c

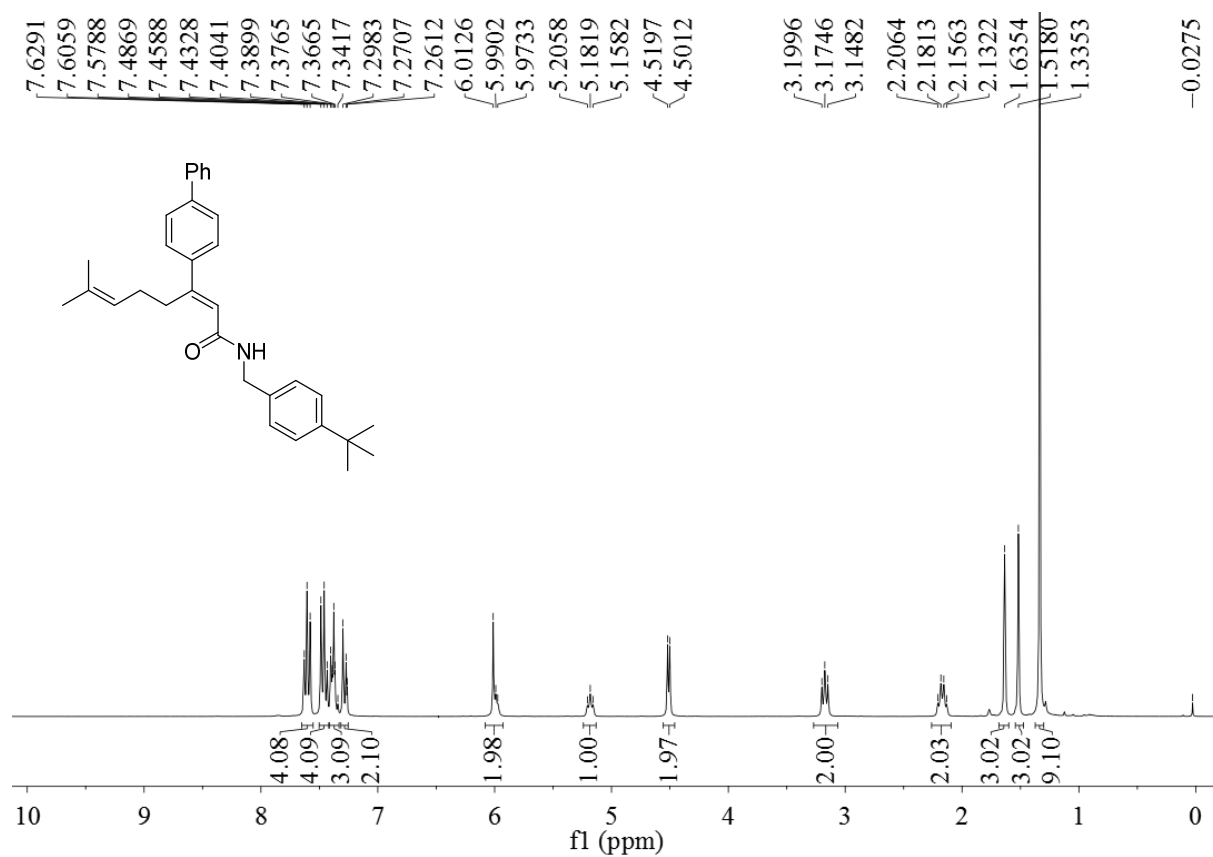


Figure S7. ¹H NMR of Compound 10d

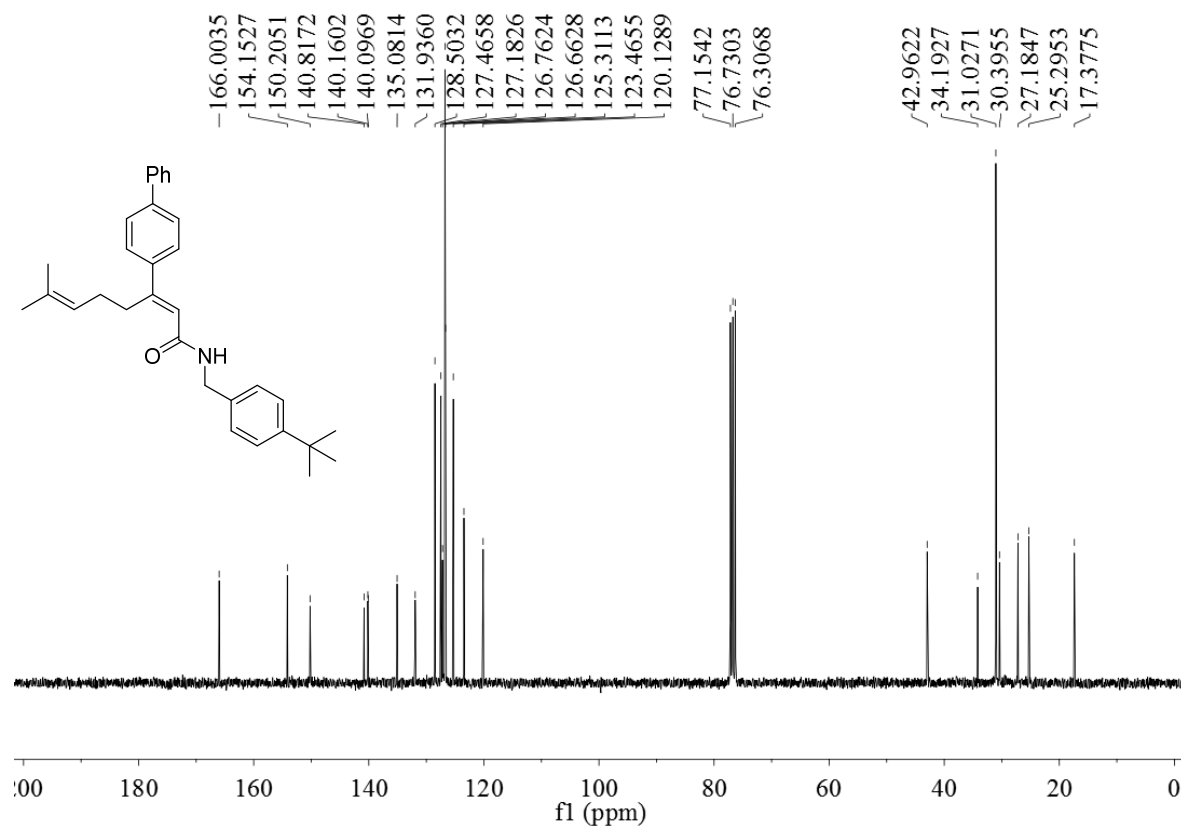


Figure S8. ¹³C NMR spectrum of 10d

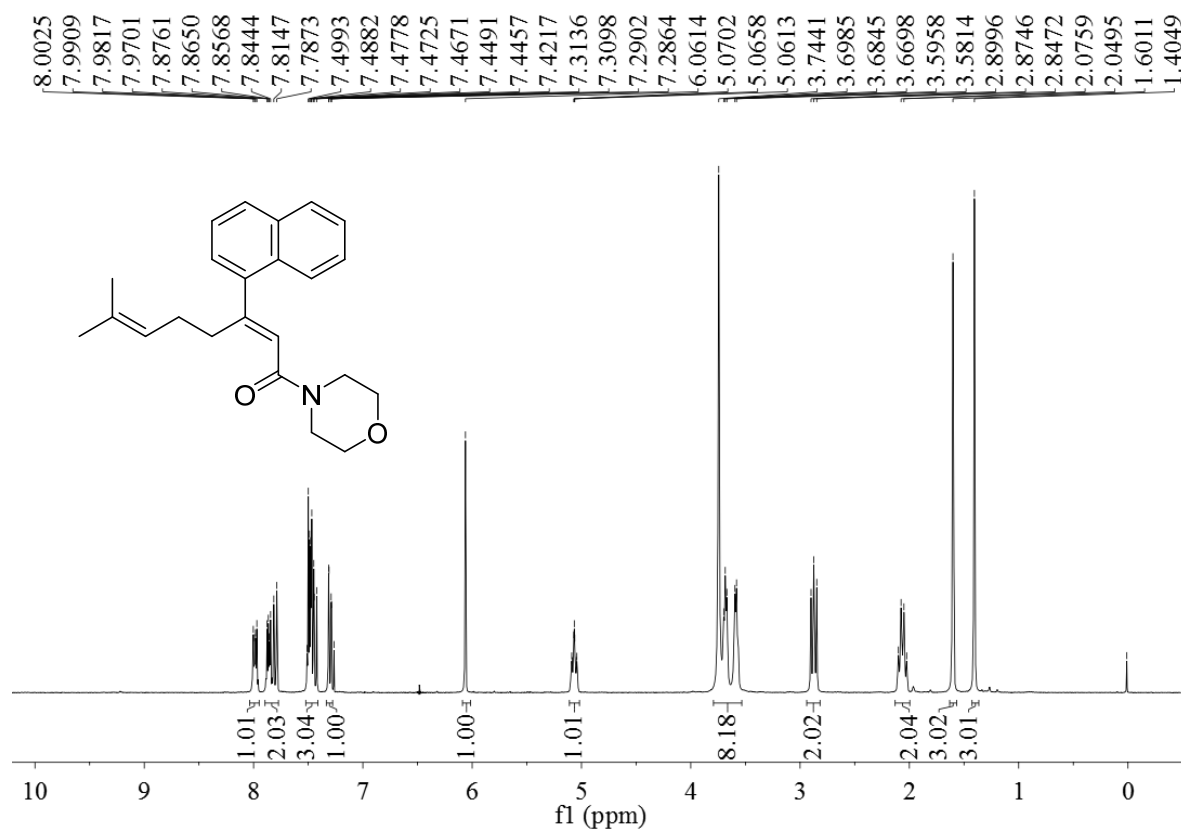


Figure S9. ¹H NMR of Compound 10e

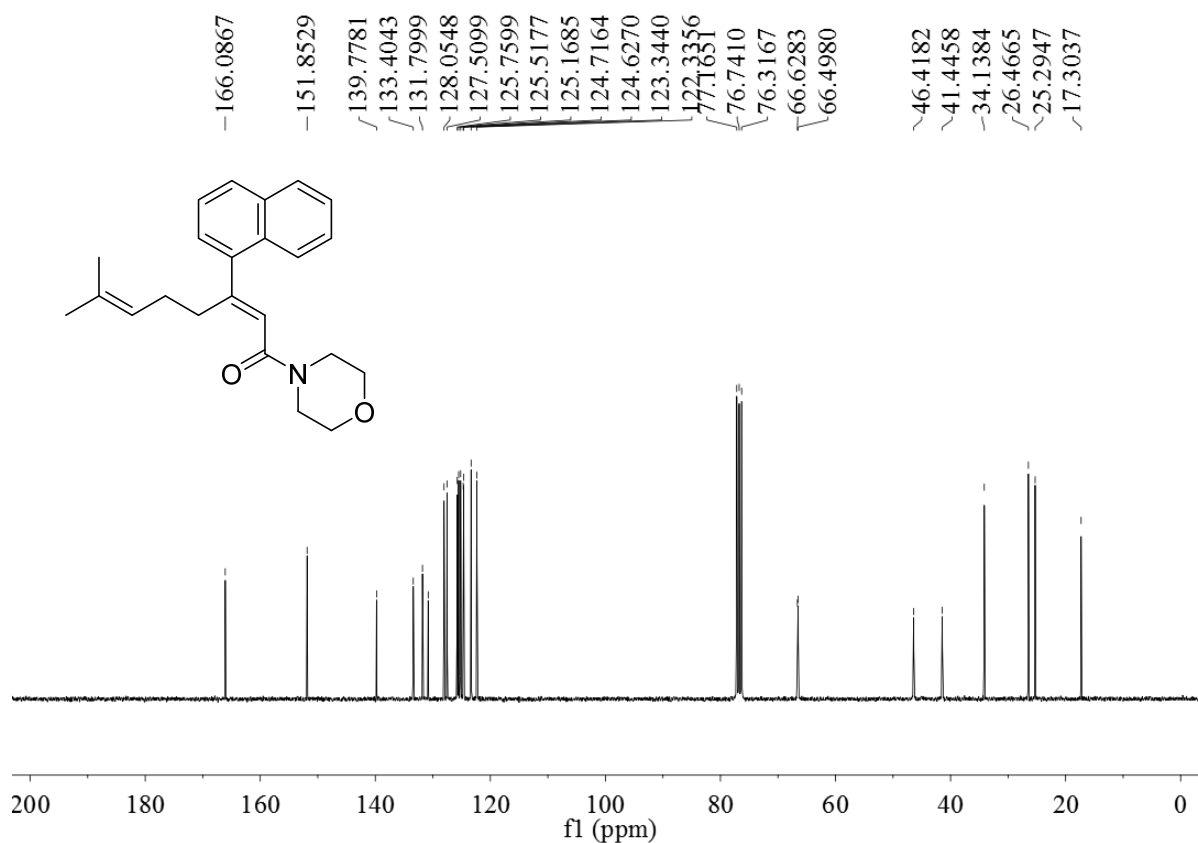


Figure S10. ¹³C NMR spectrum of 10e

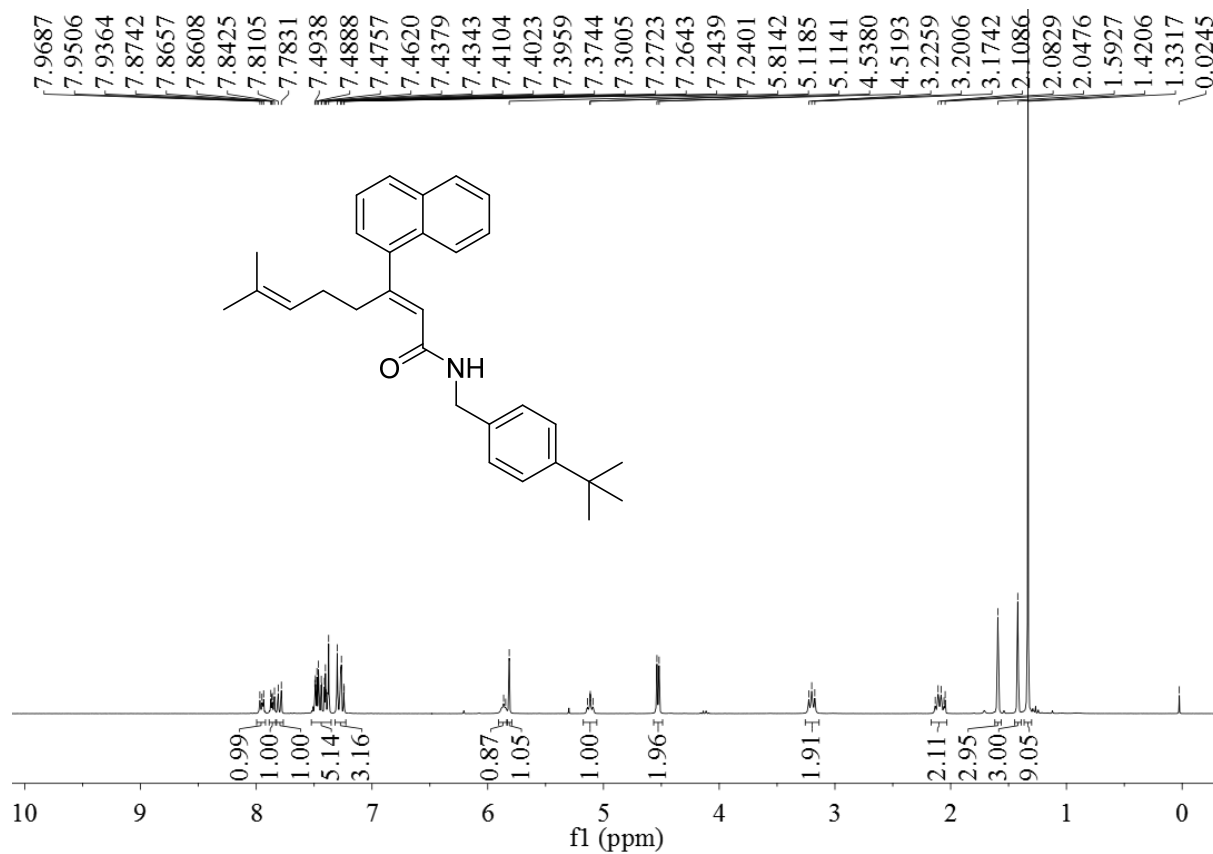


Figure S11. ¹H NMR of Compound 10f

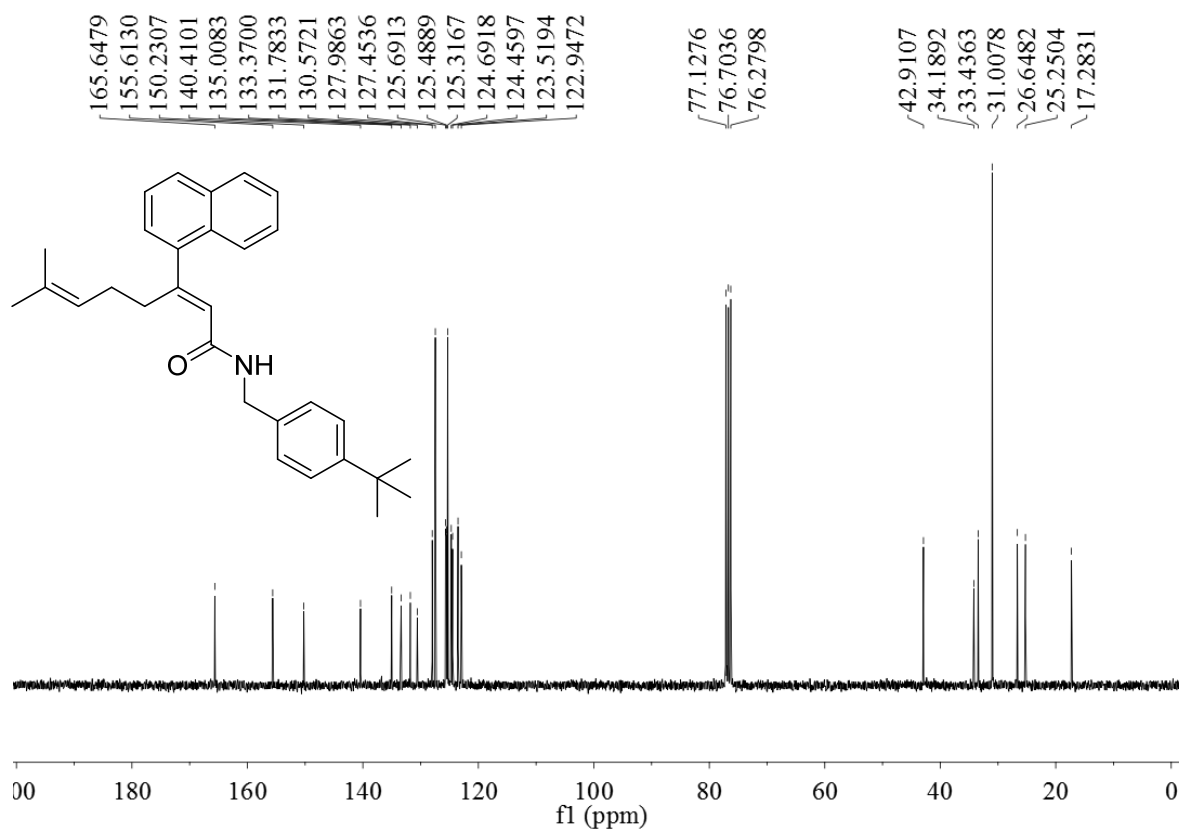


Figure S12. ¹³C NMR spectrum of 10f

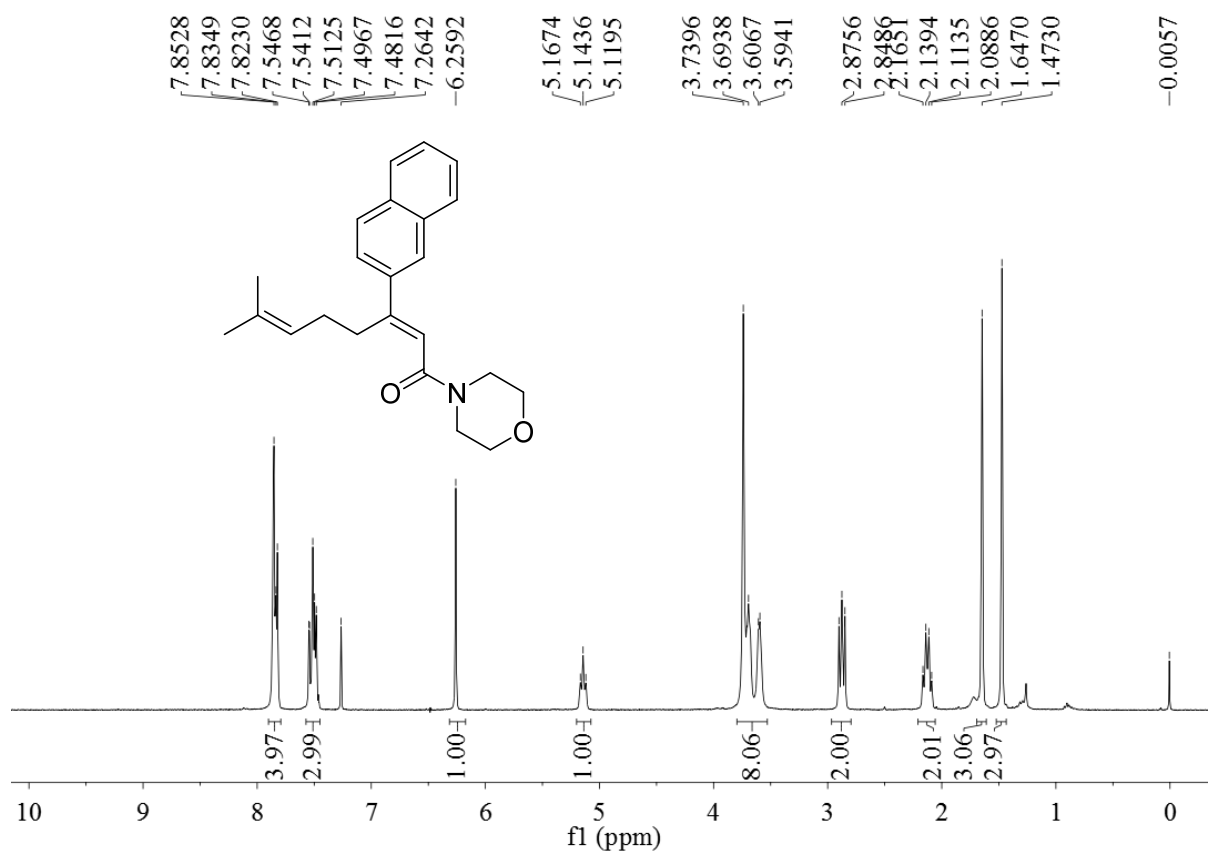


Figure S13. ¹H NMR of Compound 10g

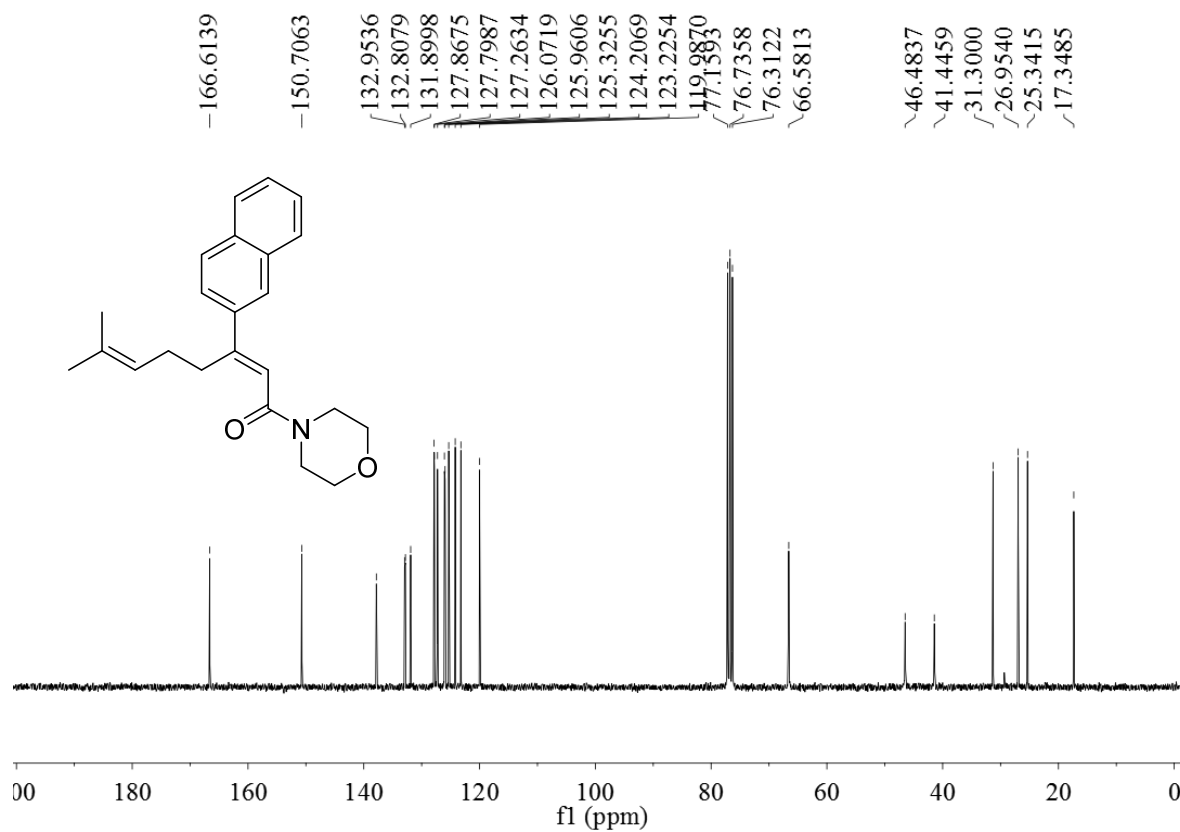


Figure S14. ¹³C NMR spectrum of 10g

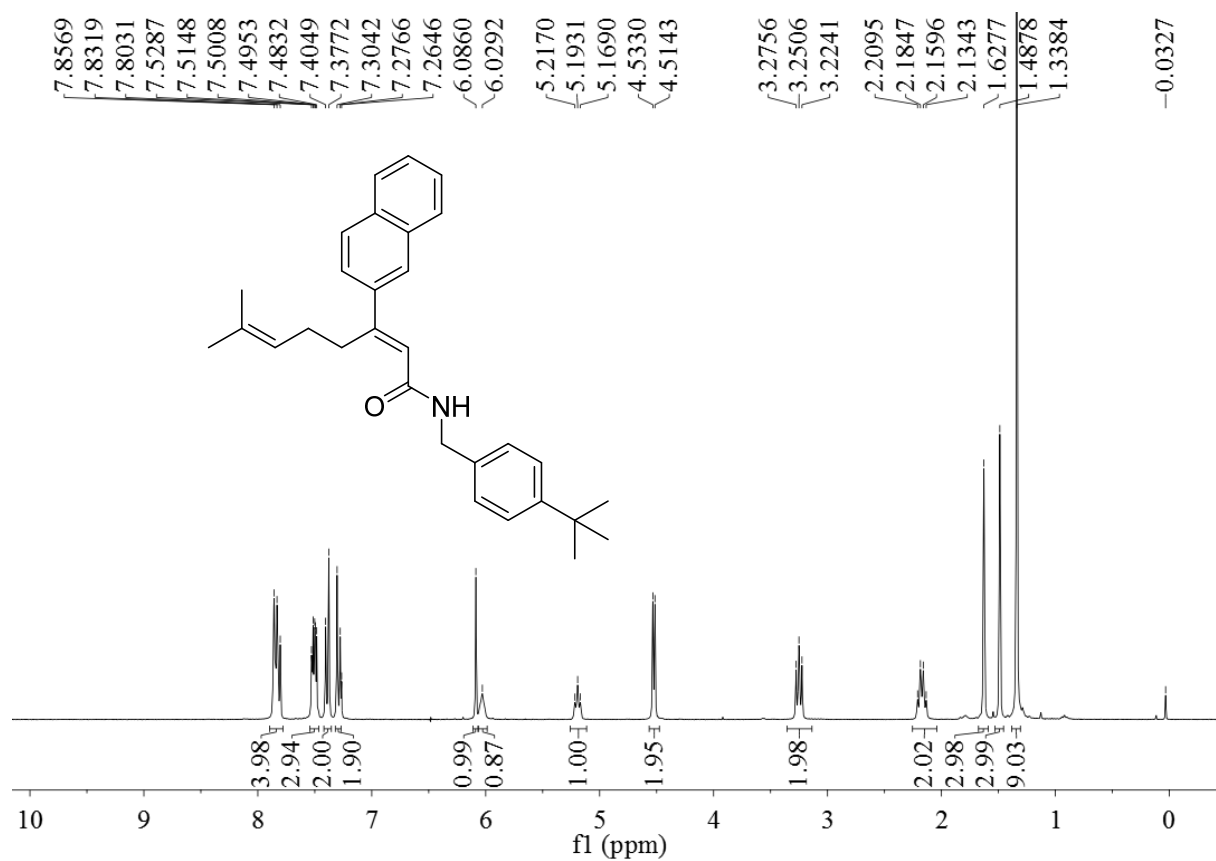


Figure S15. ¹H NMR of Compound 10h

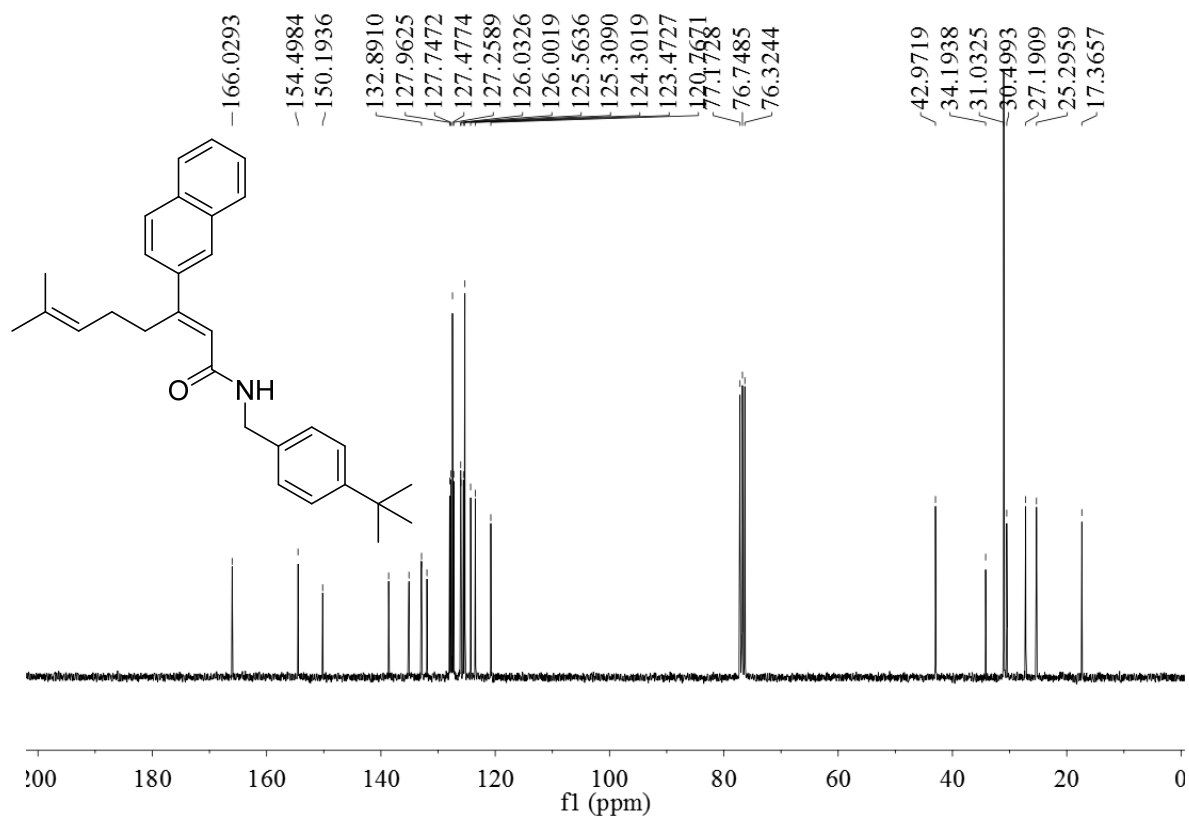


Figure S16. ¹³C NMR spectrum of 10h

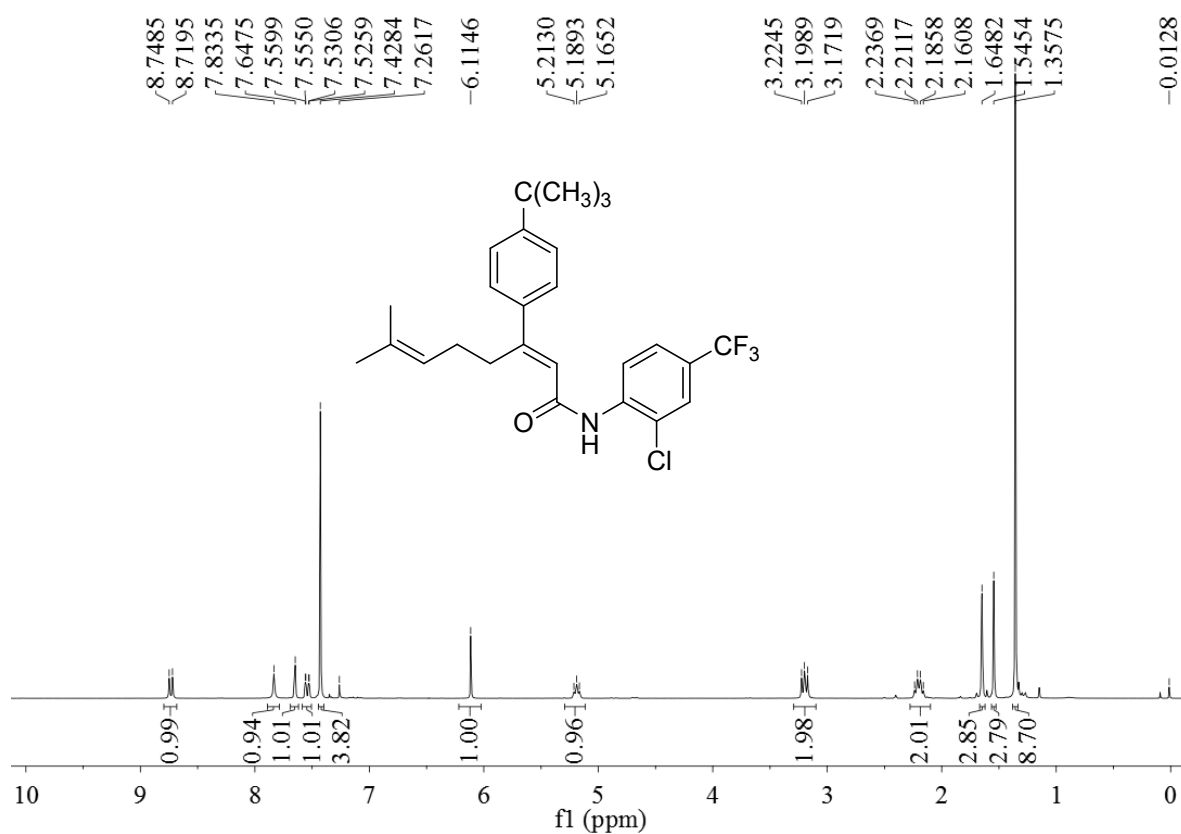


Figure S17. ¹H NMR of Compound 10i

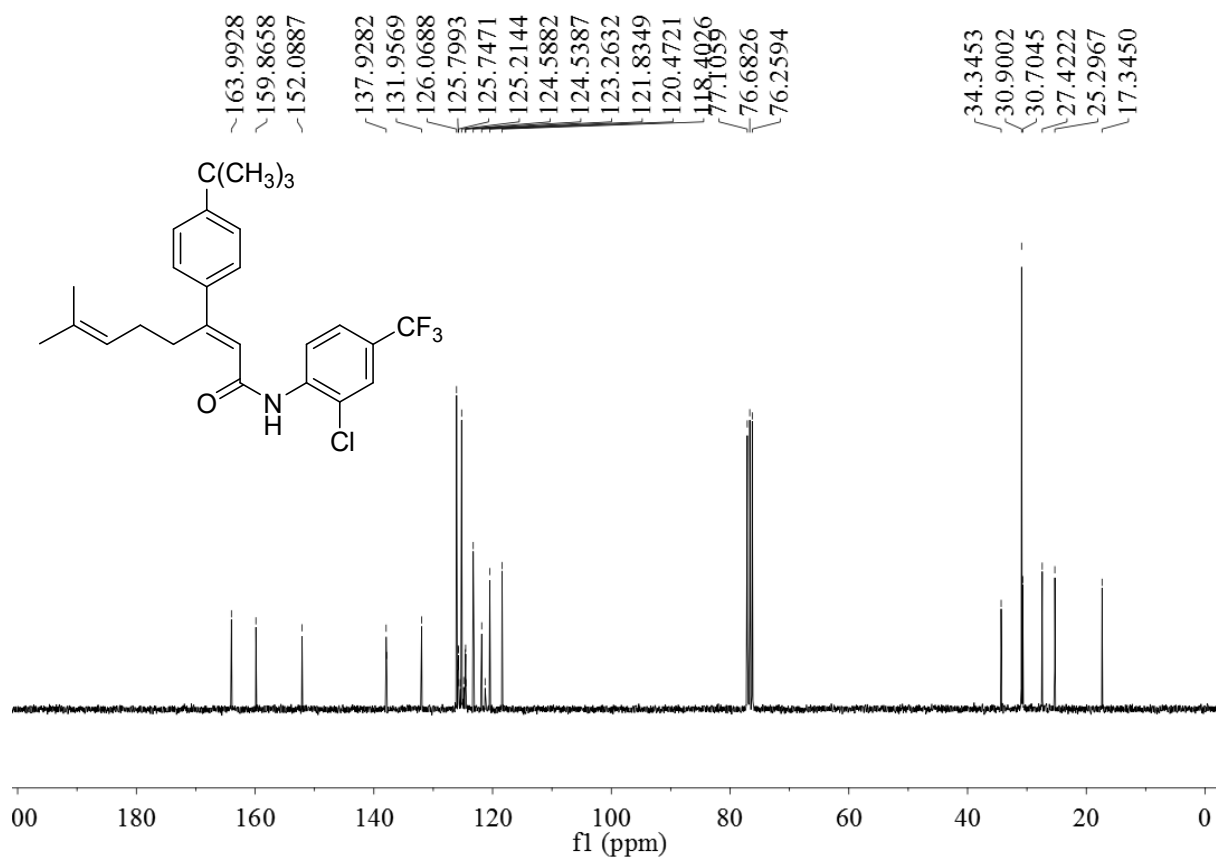


Figure S18. ¹³C NMR spectrum of 10i

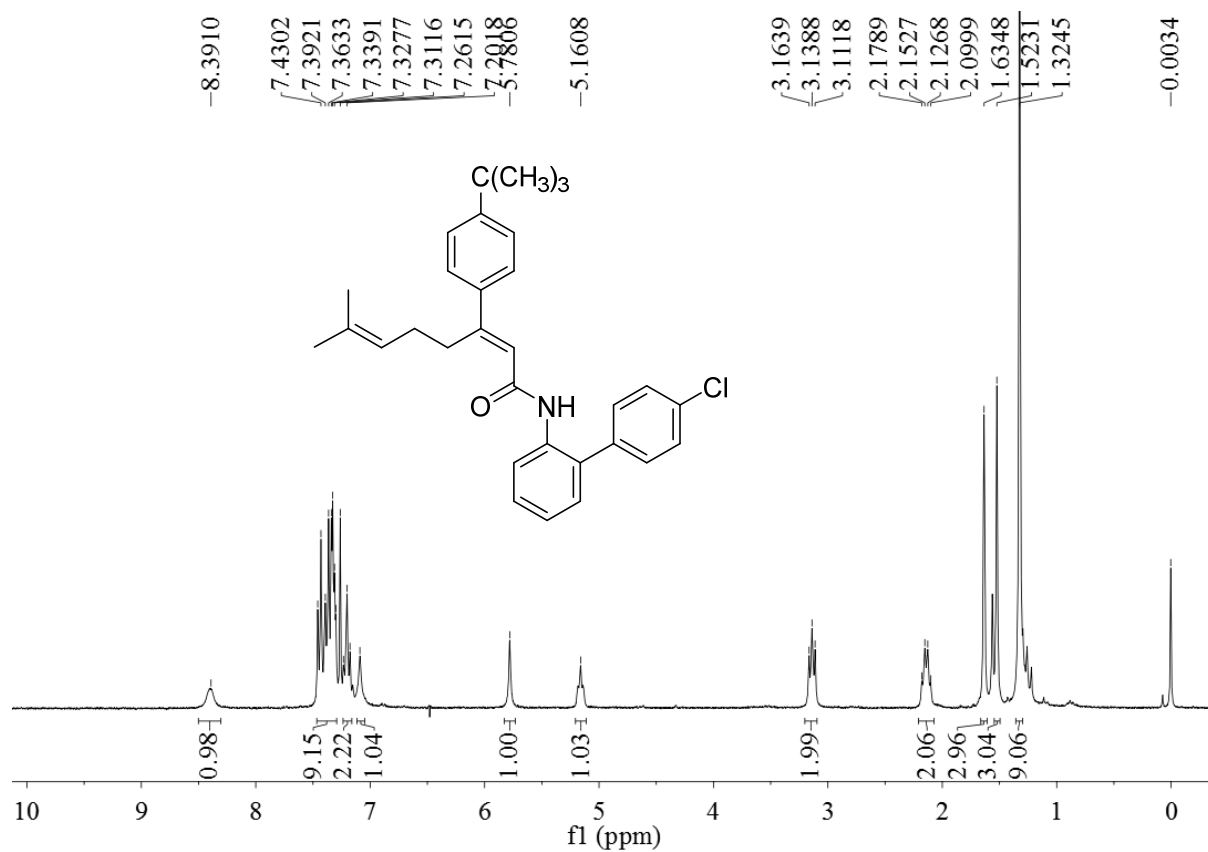


Figure S19. ¹H NMR of Compound 10j

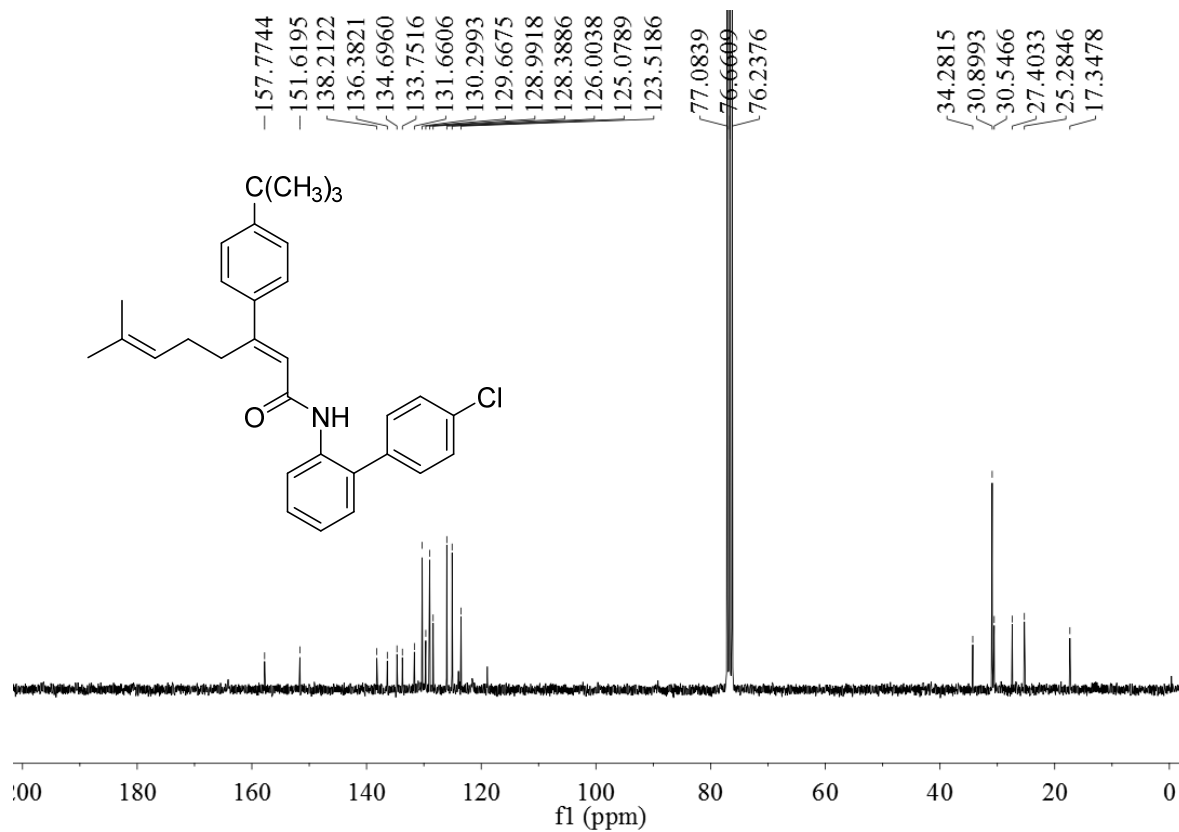


Figure S20. ¹³C NMR spectrum of 10j

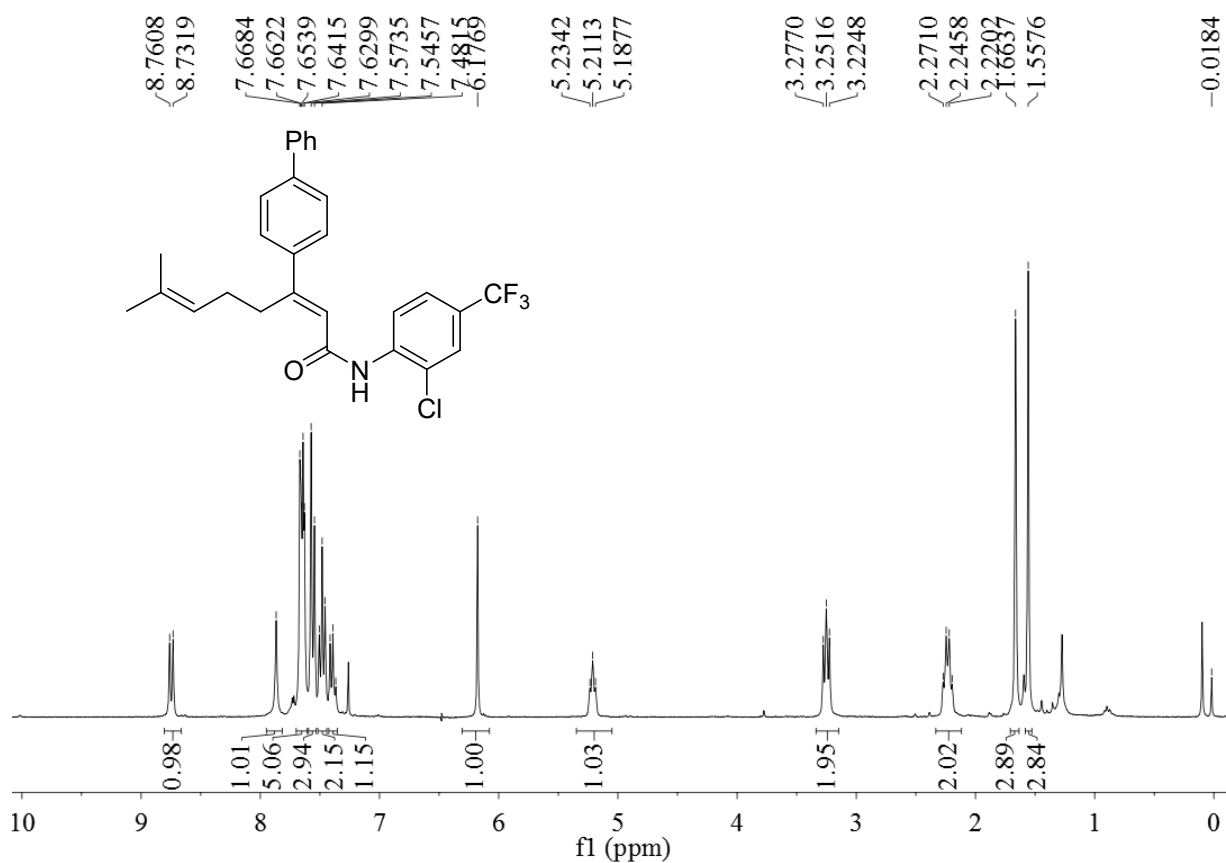


Figure S21. ¹H NMR of Compound 10k

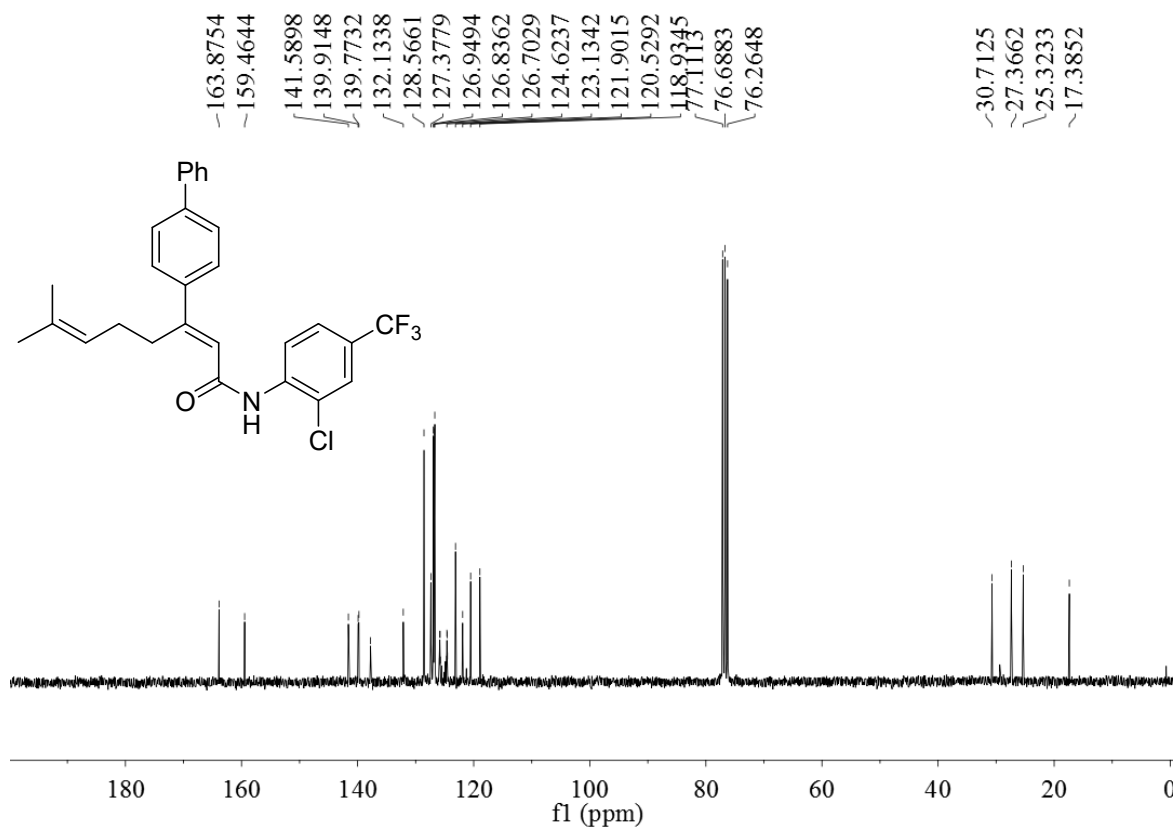


Figure S22. ¹³C NMR spectrum of 10k

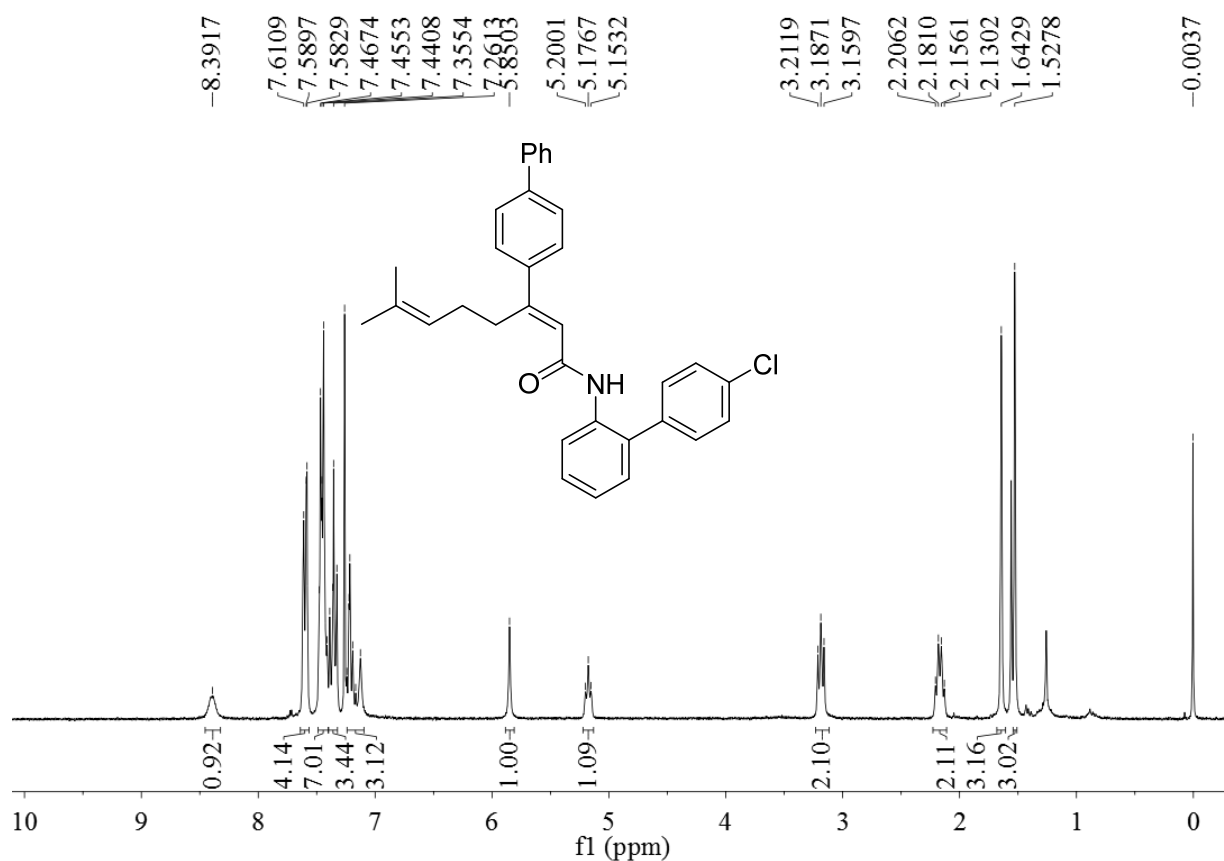


Figure S23. ¹H NMR of Compound 10l

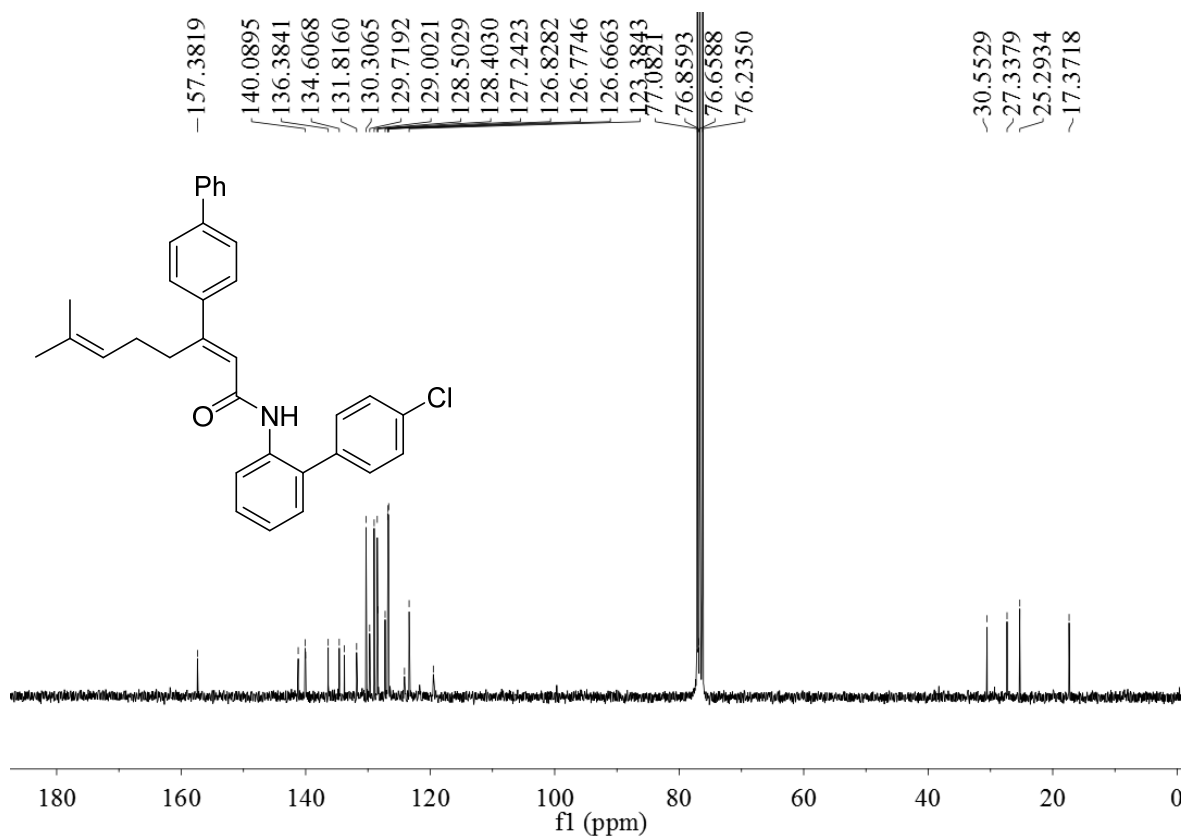


Figure S24. ¹³C NMR spectrum of 10l

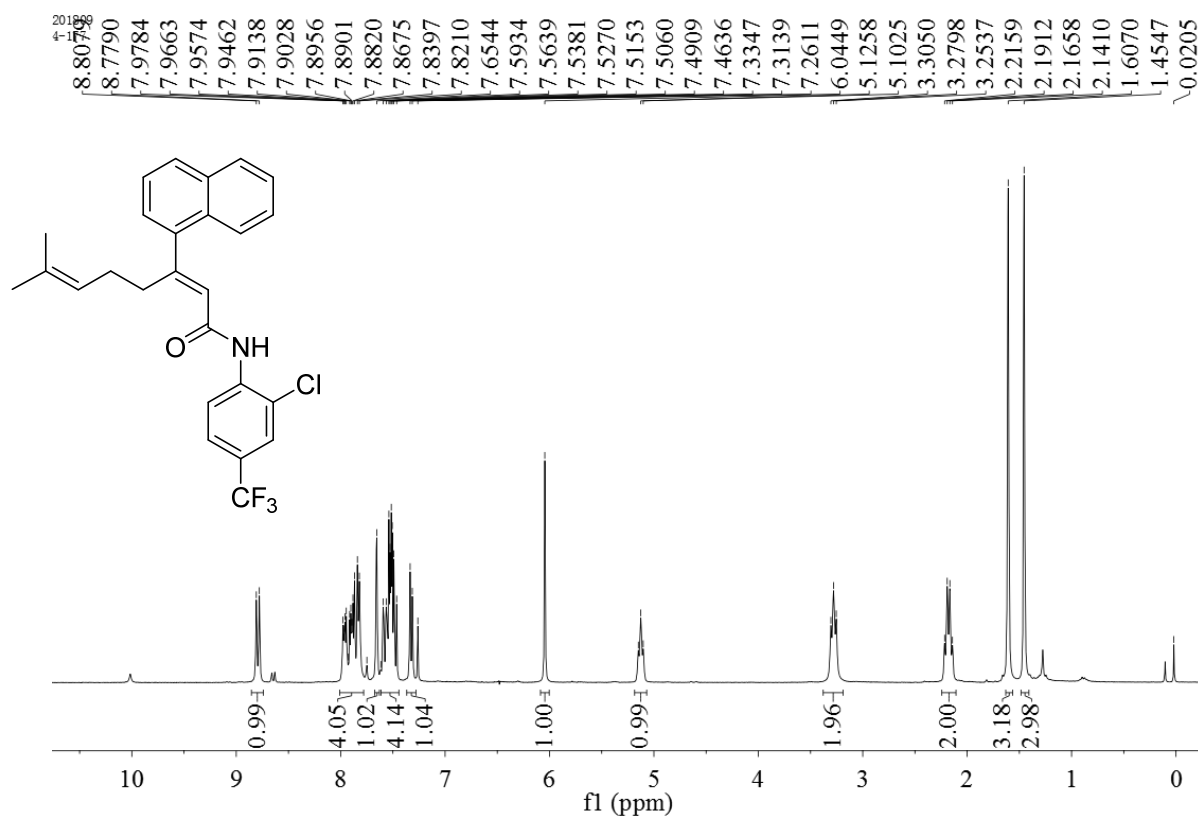


Figure S25. ^1H NMR of Compound 10m

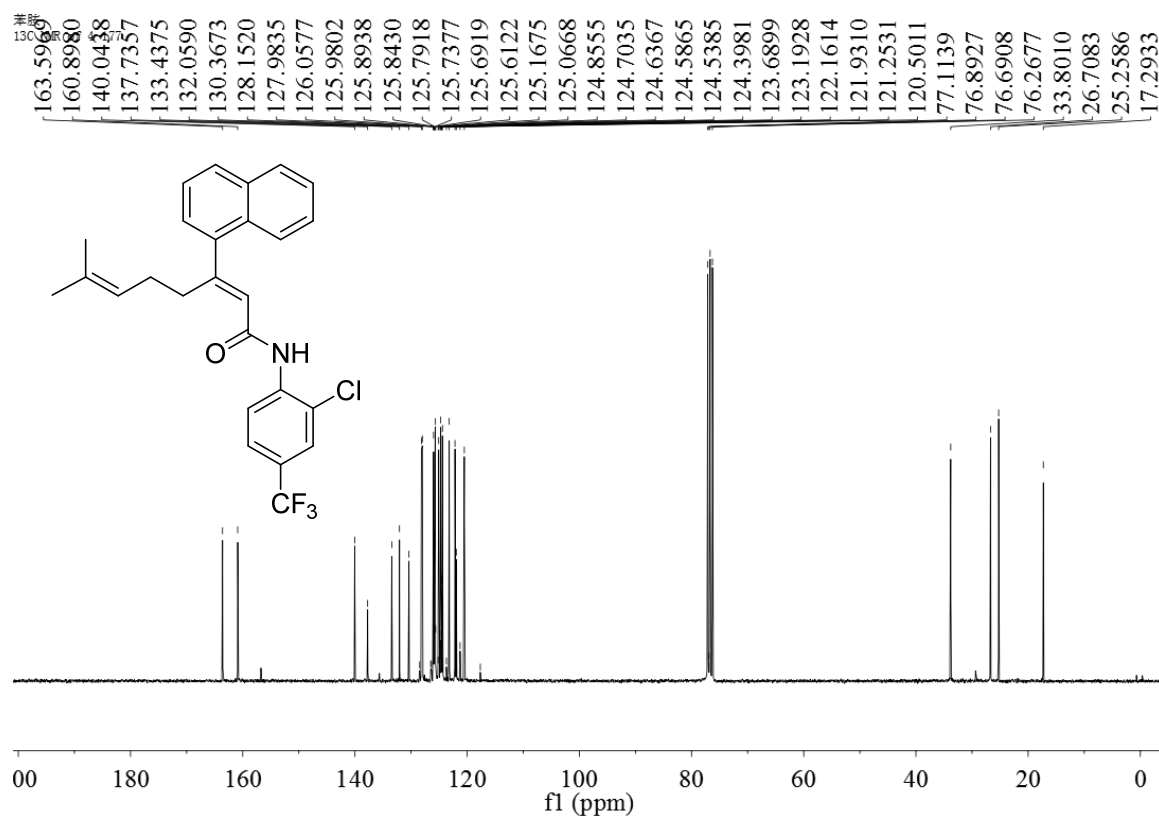


Figure S26. ^{13}C NMR spectrum of 10m

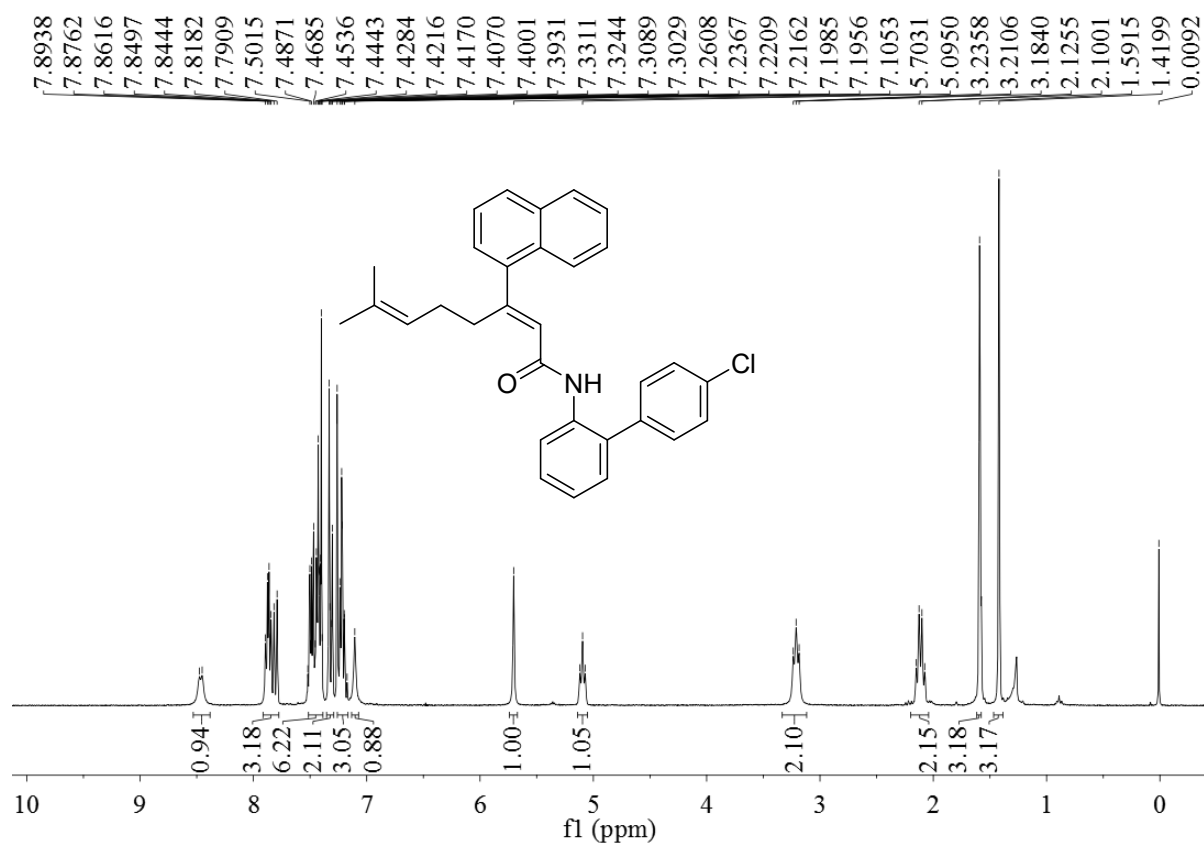


Figure S27. ¹H NMR of Compound 10n

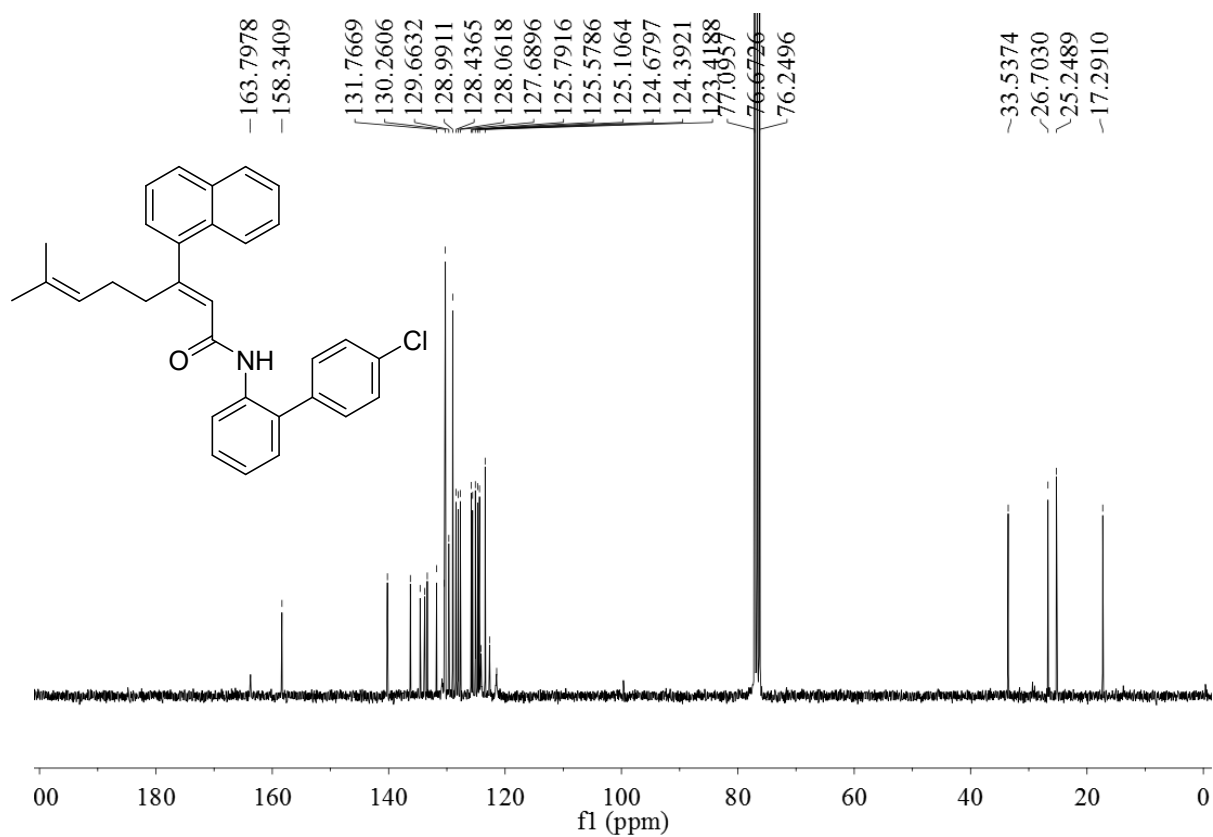


Figure S28. ¹³C NMR spectrum of 10n

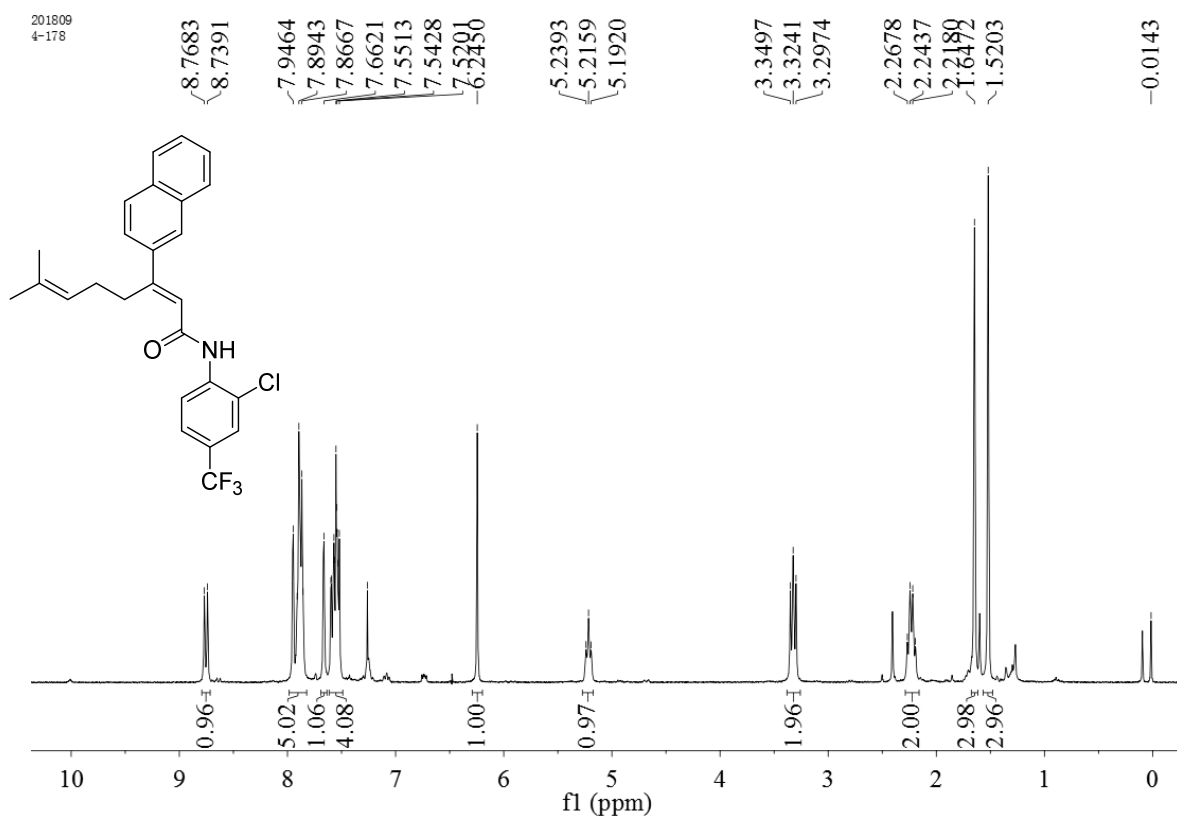


Figure S29. ¹H NMR of Compound 10o

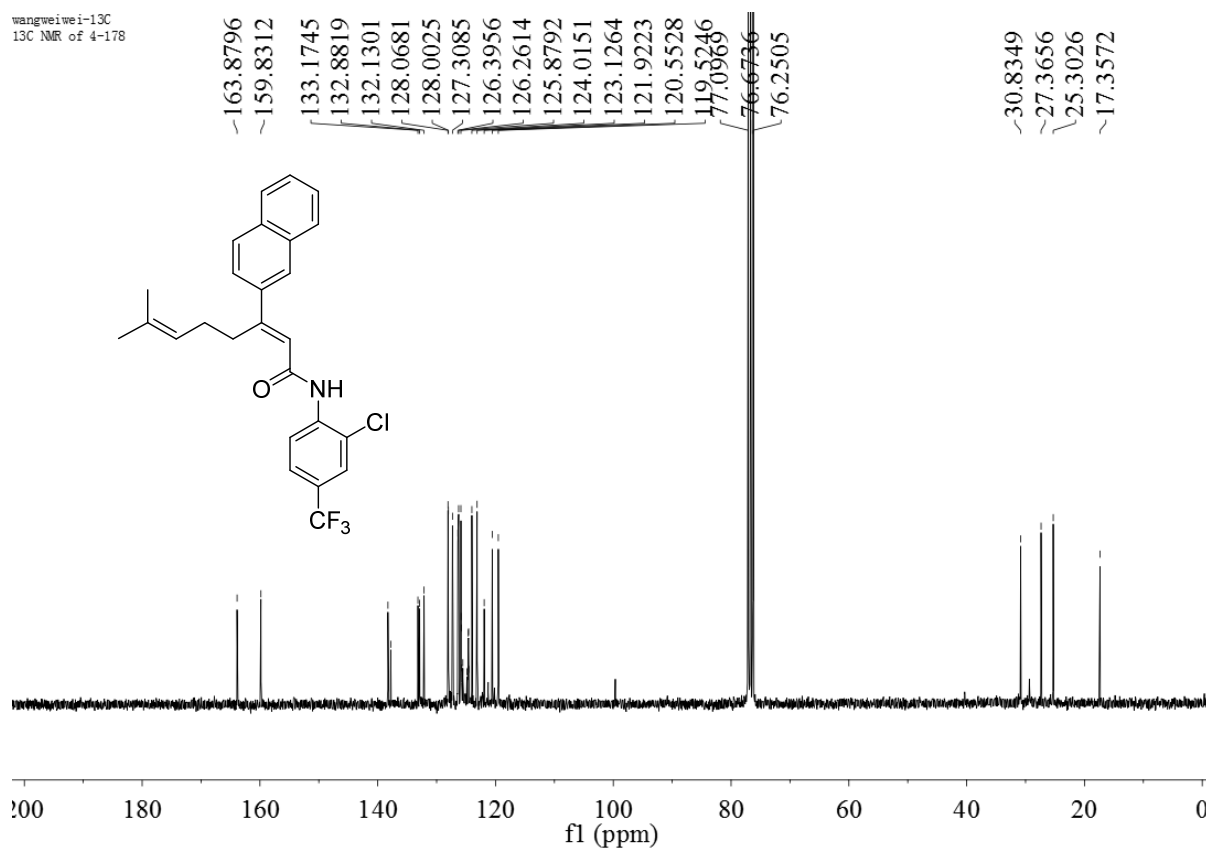
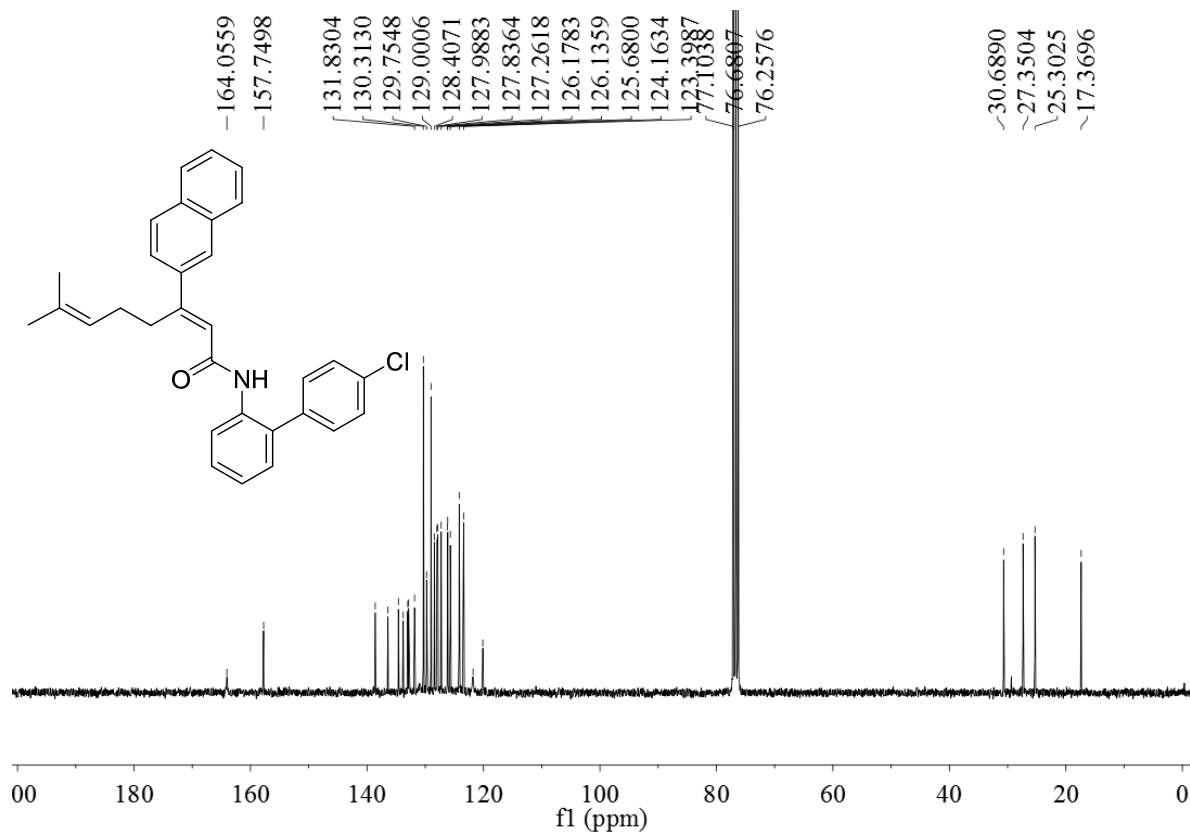
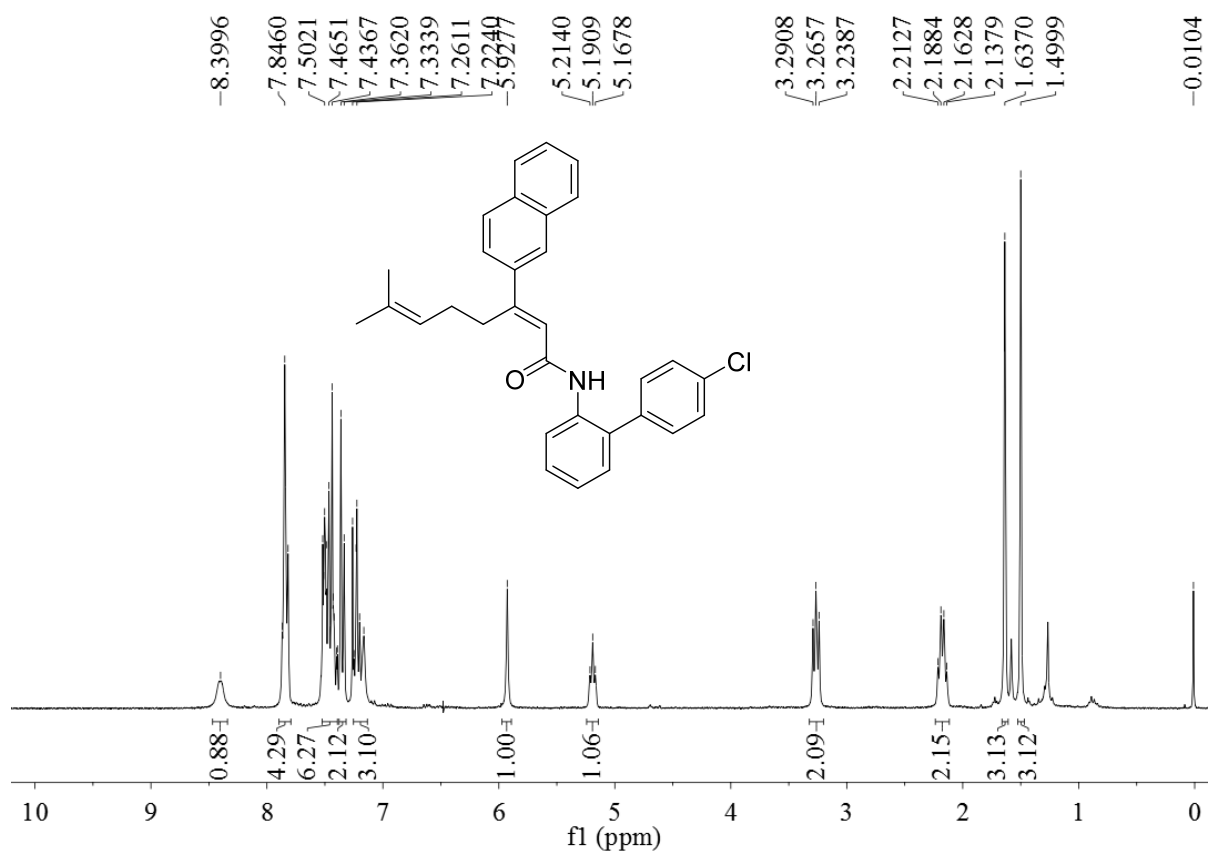


Figure S30. ¹³C NMR spectrum of 10o



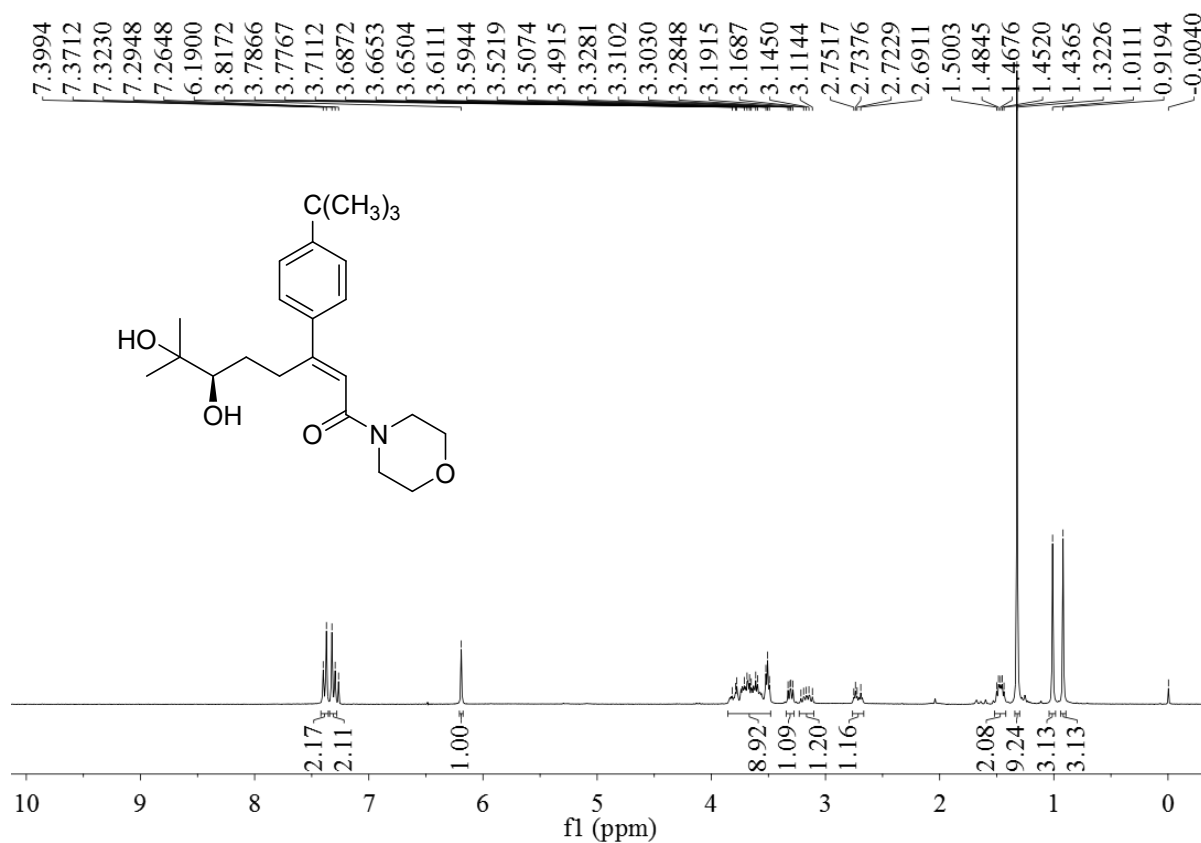


Figure S33. ¹H NMR of Compound (R)-11a

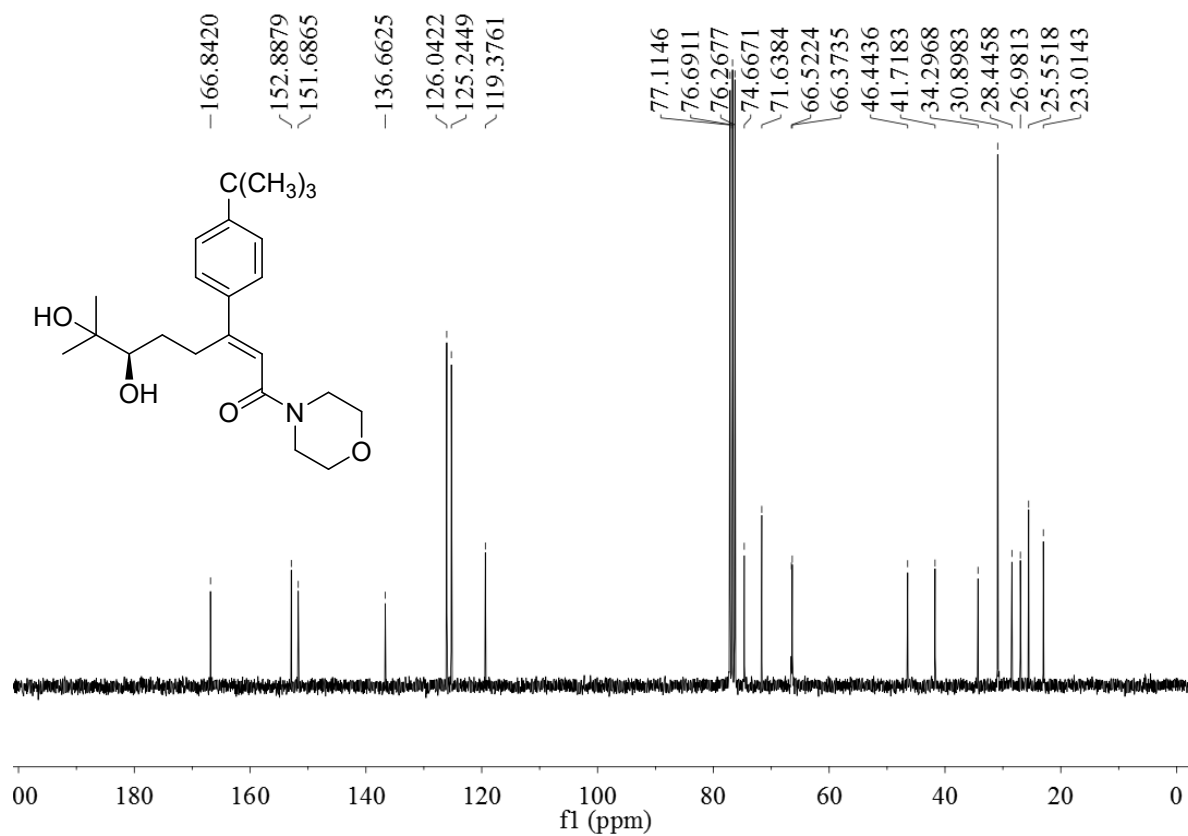


Figure S34. ¹³C NMR spectrum of (R)-11a

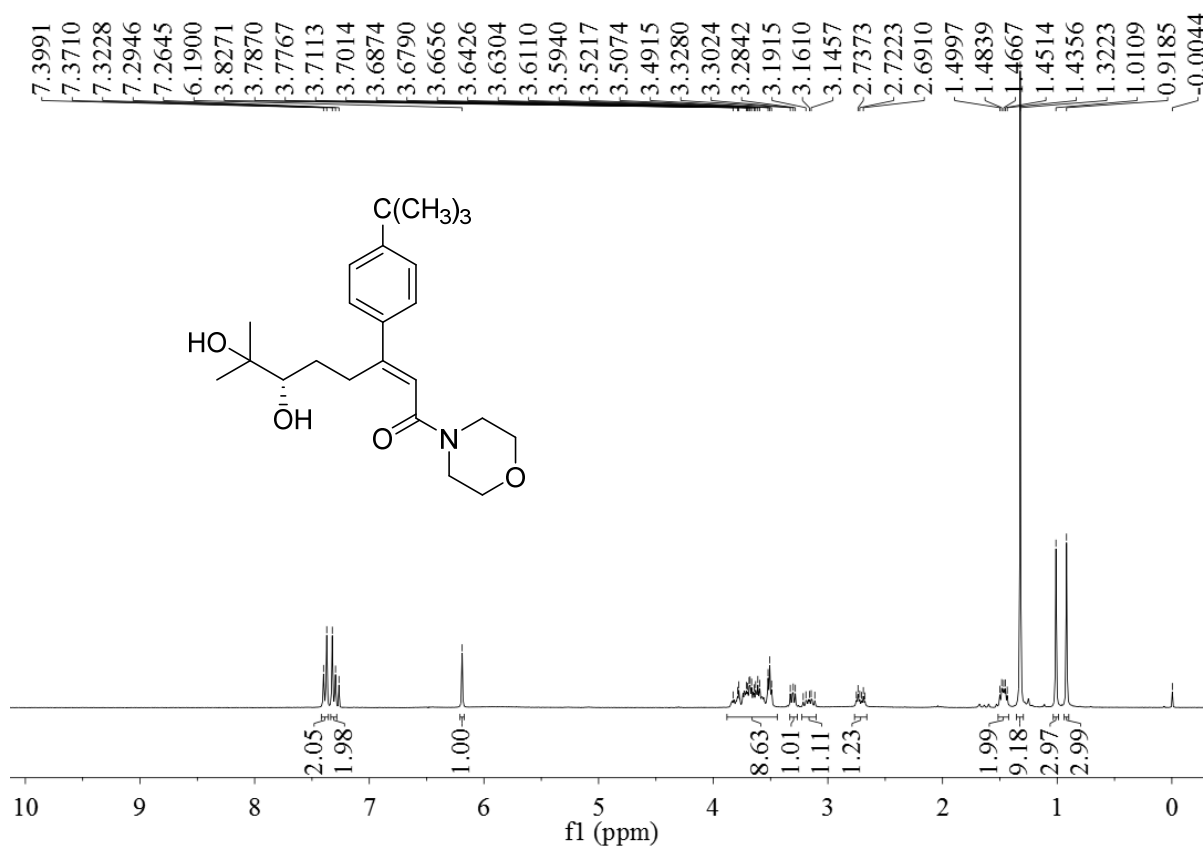


Figure S35. ¹H NMR of Compound (S)-11a

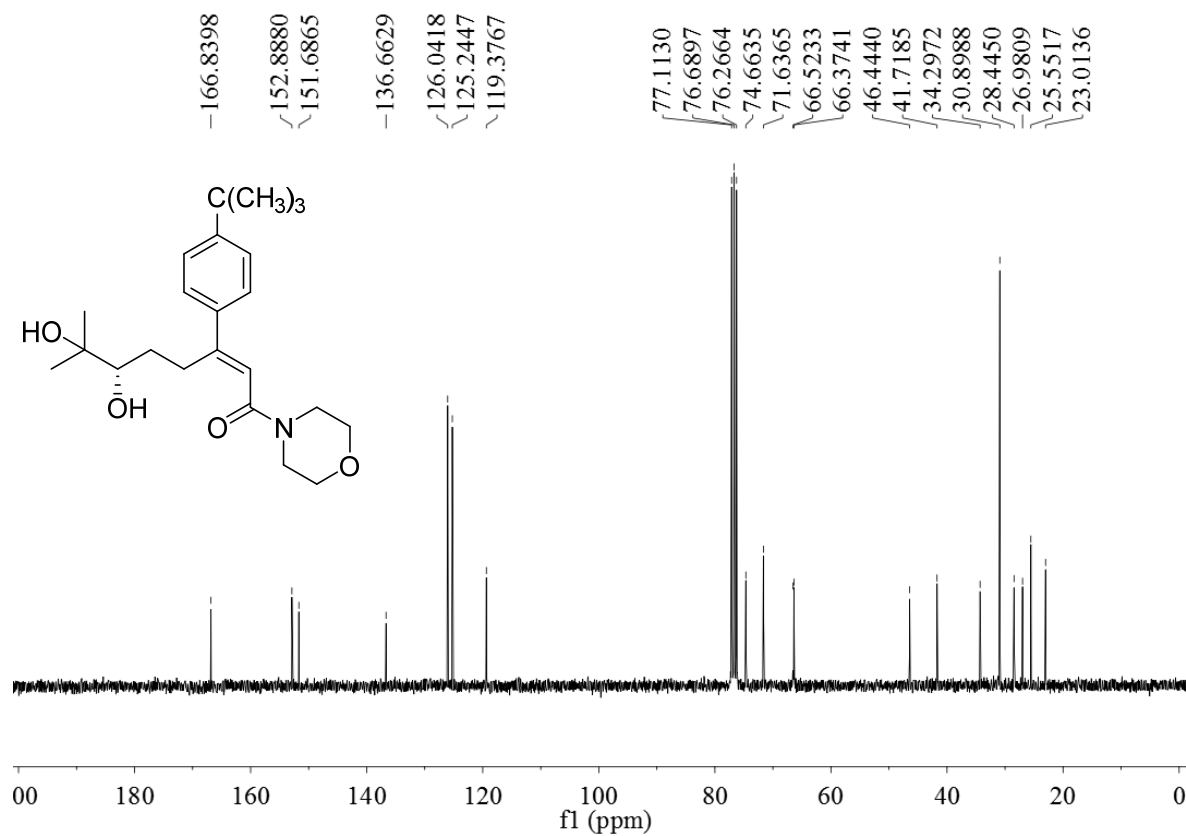


Figure S36. ¹³C NMR spectrum of (S)-11a

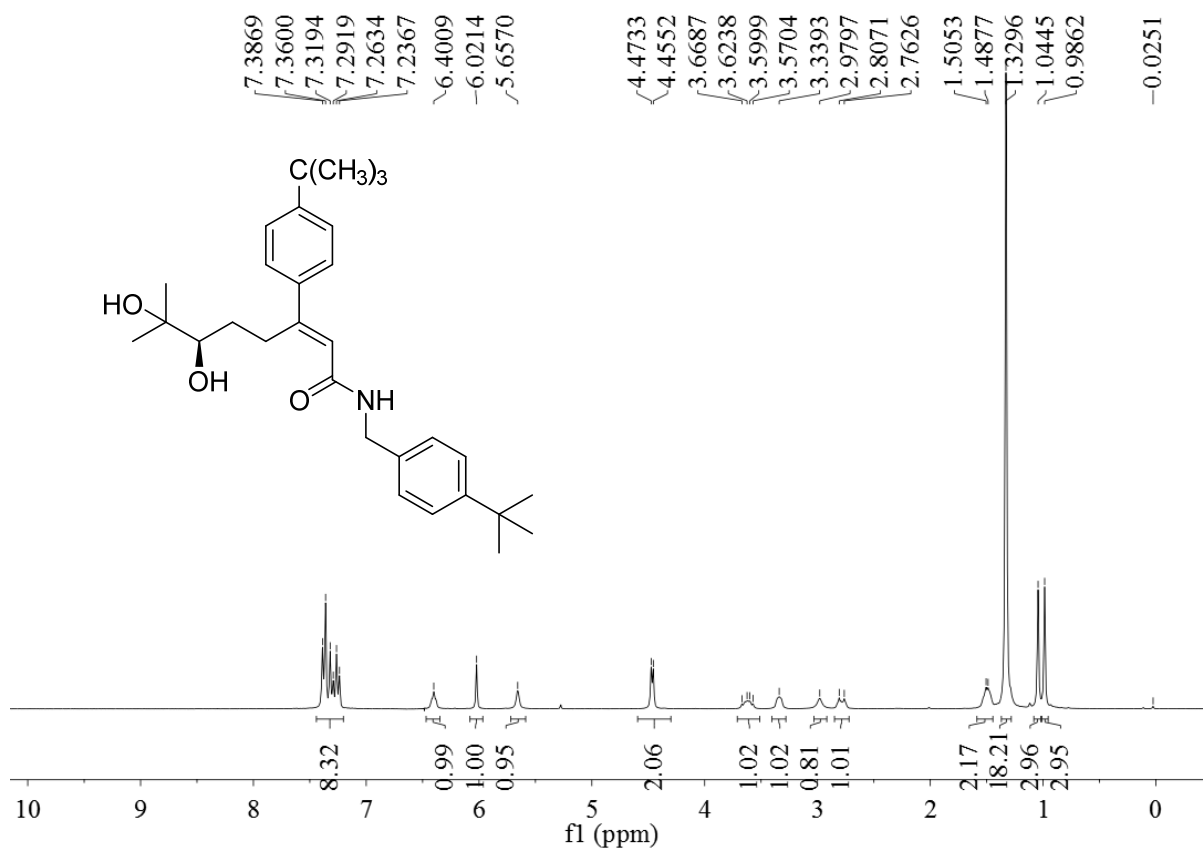


Figure S37. ¹H NMR of Compound (R)-11b

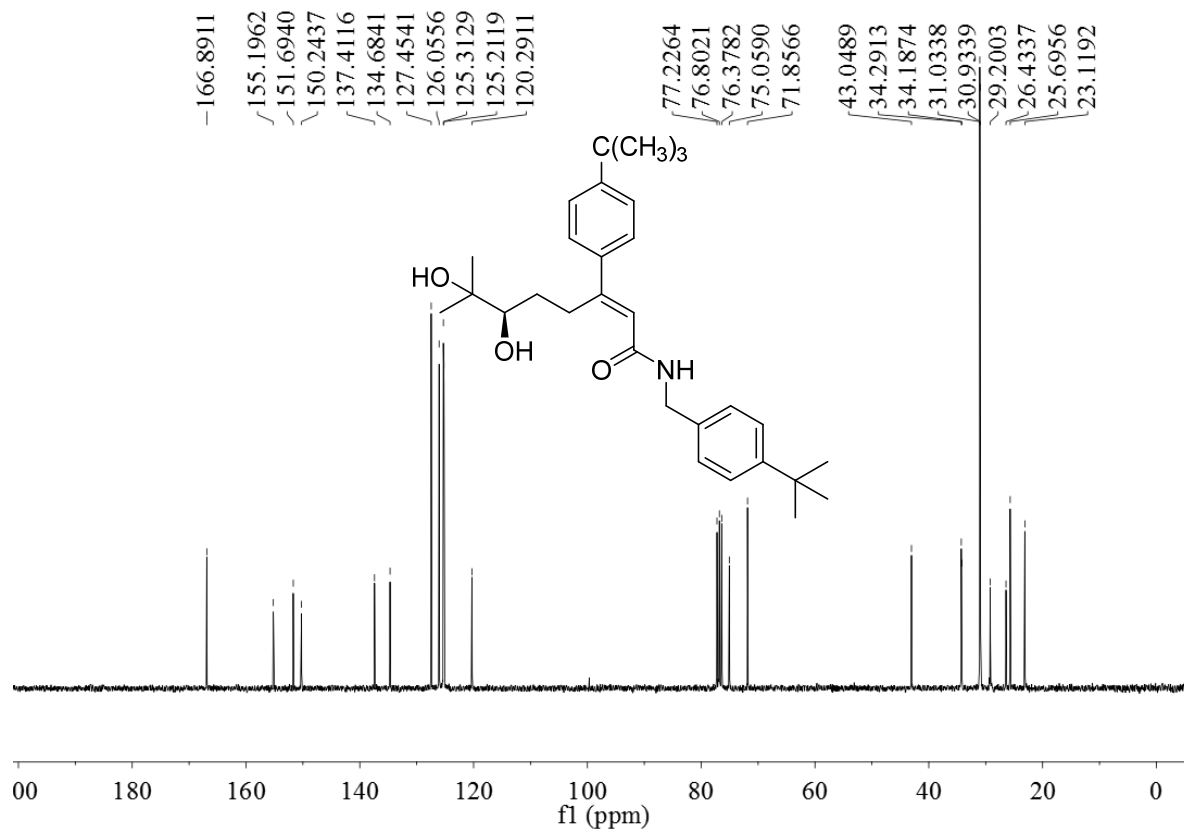


Figure S38. ¹³C NMR spectrum of (R)-11b

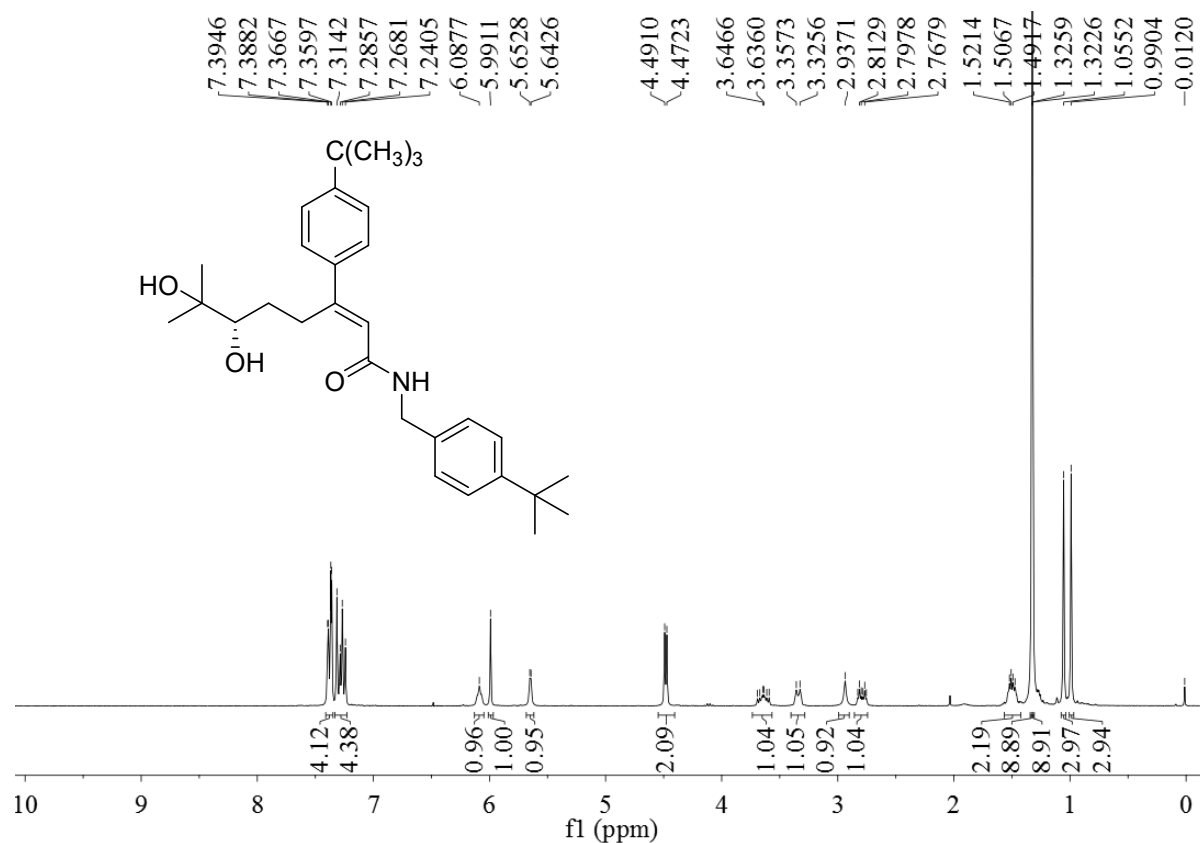


Figure S39. ¹H NMR of Compound (S)-11b

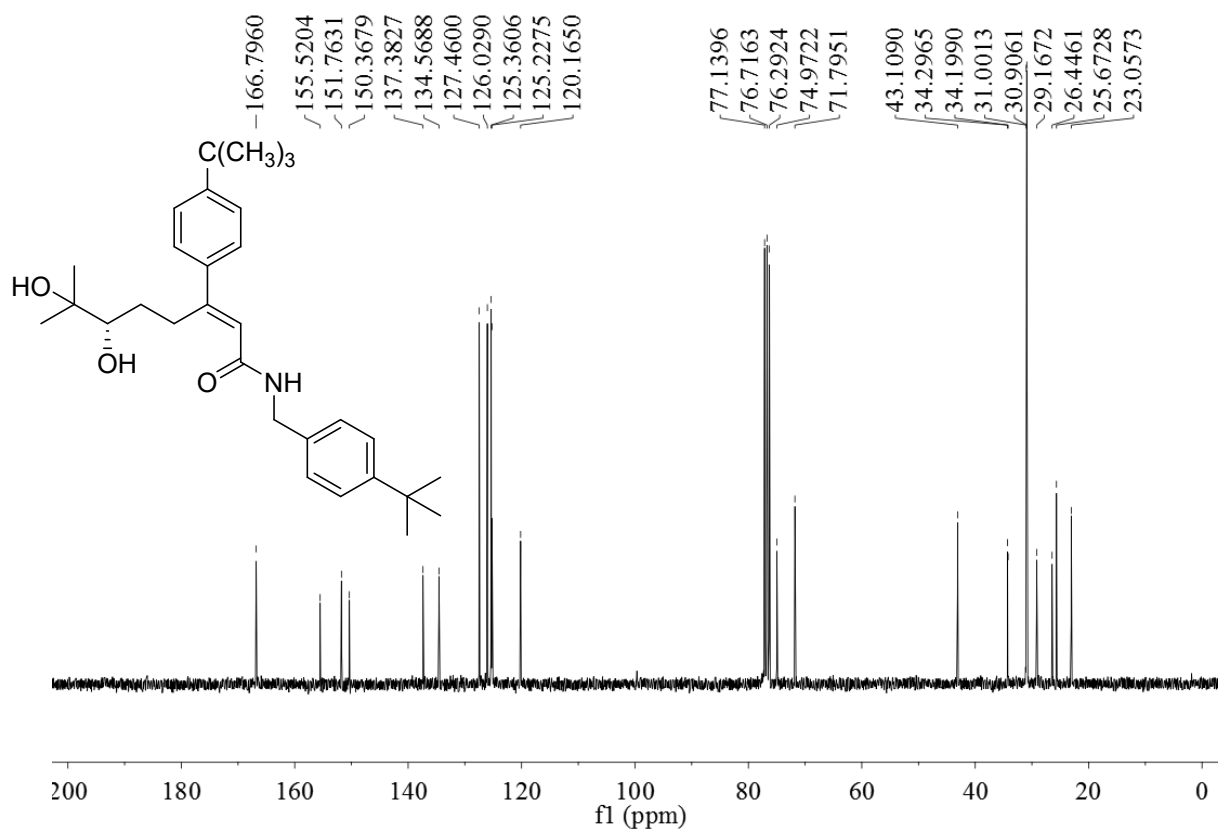


Figure S40. ¹³C NMR spectrum of (S)-11b

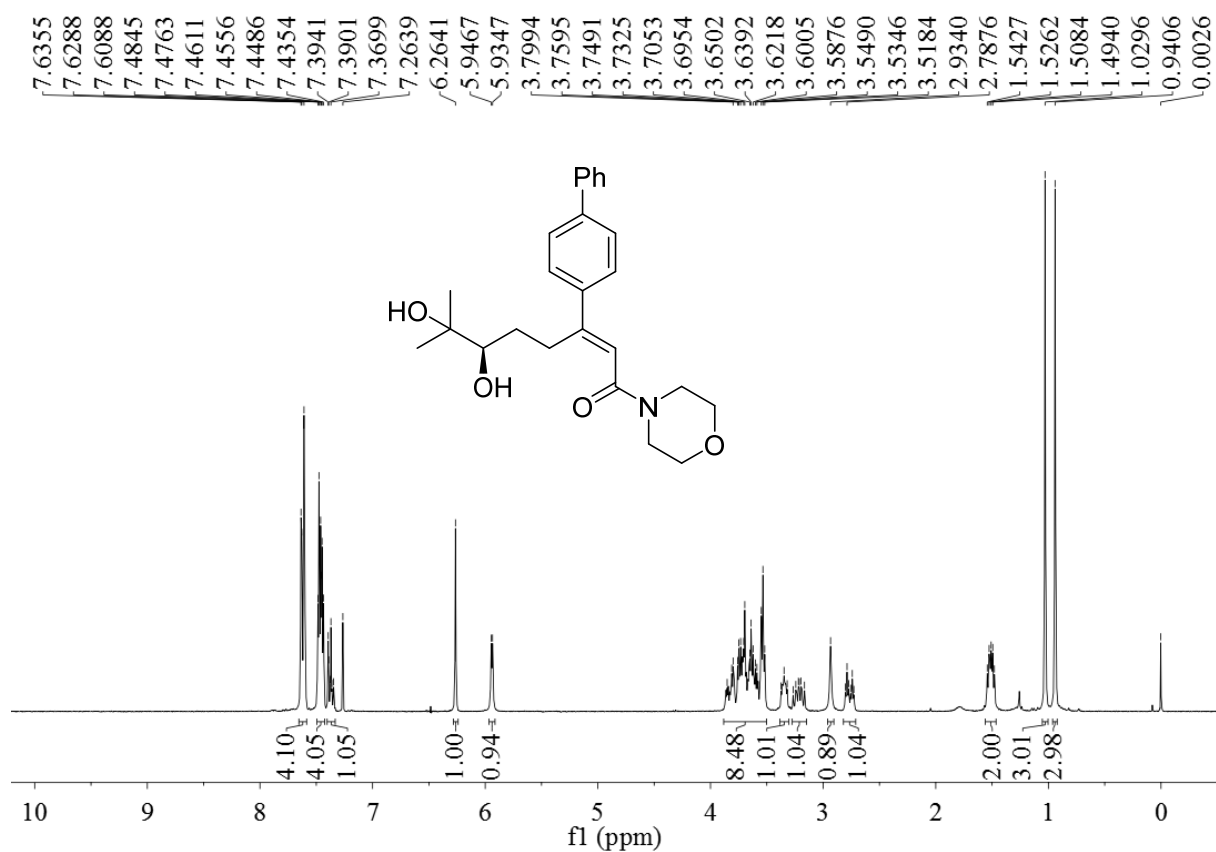


Figure S41. ¹H NMR of Compound (R)-11c

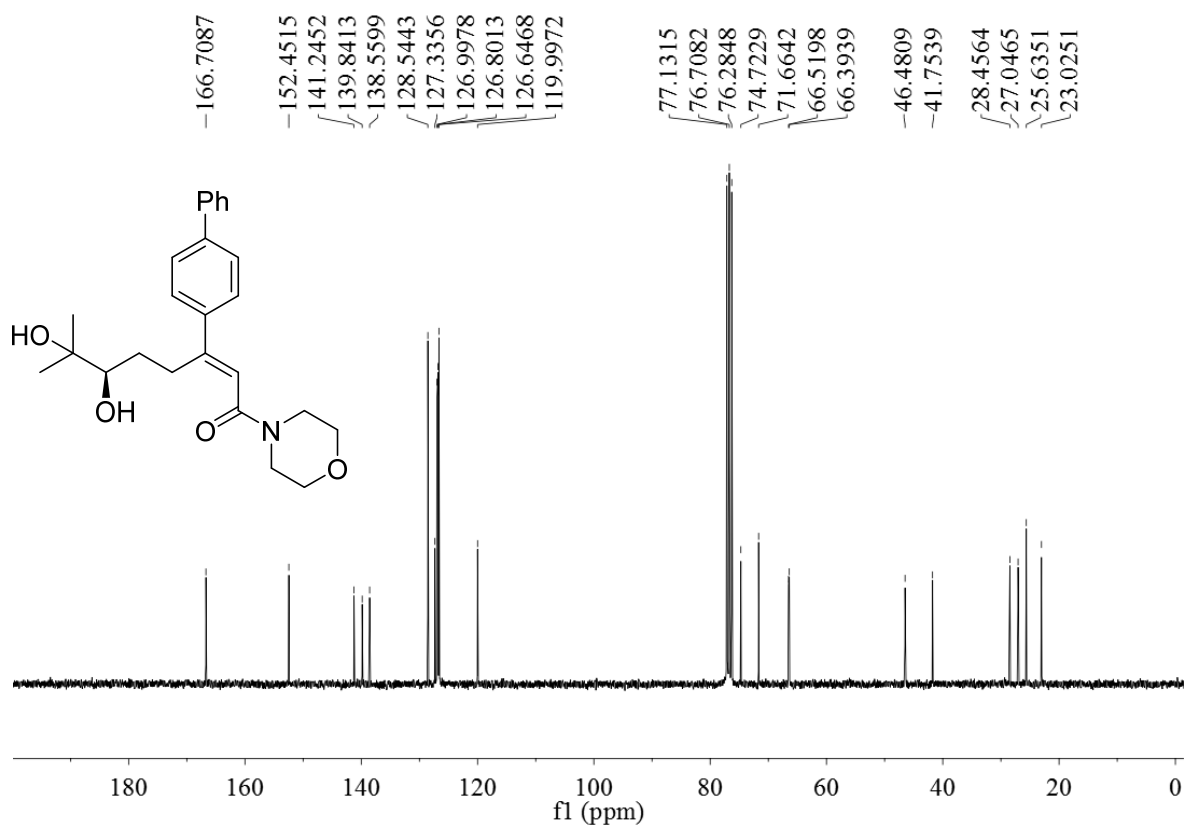


Figure S42. ¹³C NMR spectrum of (R)-11c

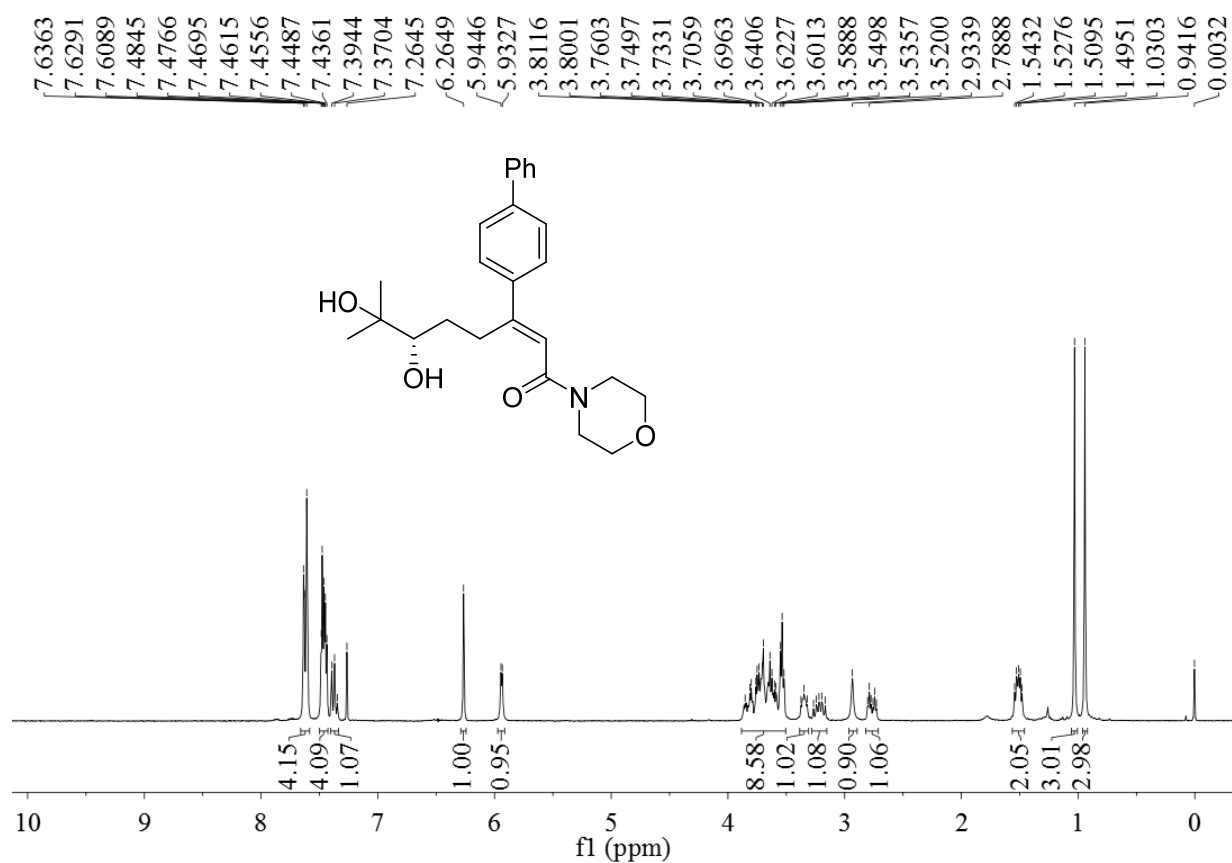


Figure S43. ¹H NMR of Compound (S)-11c

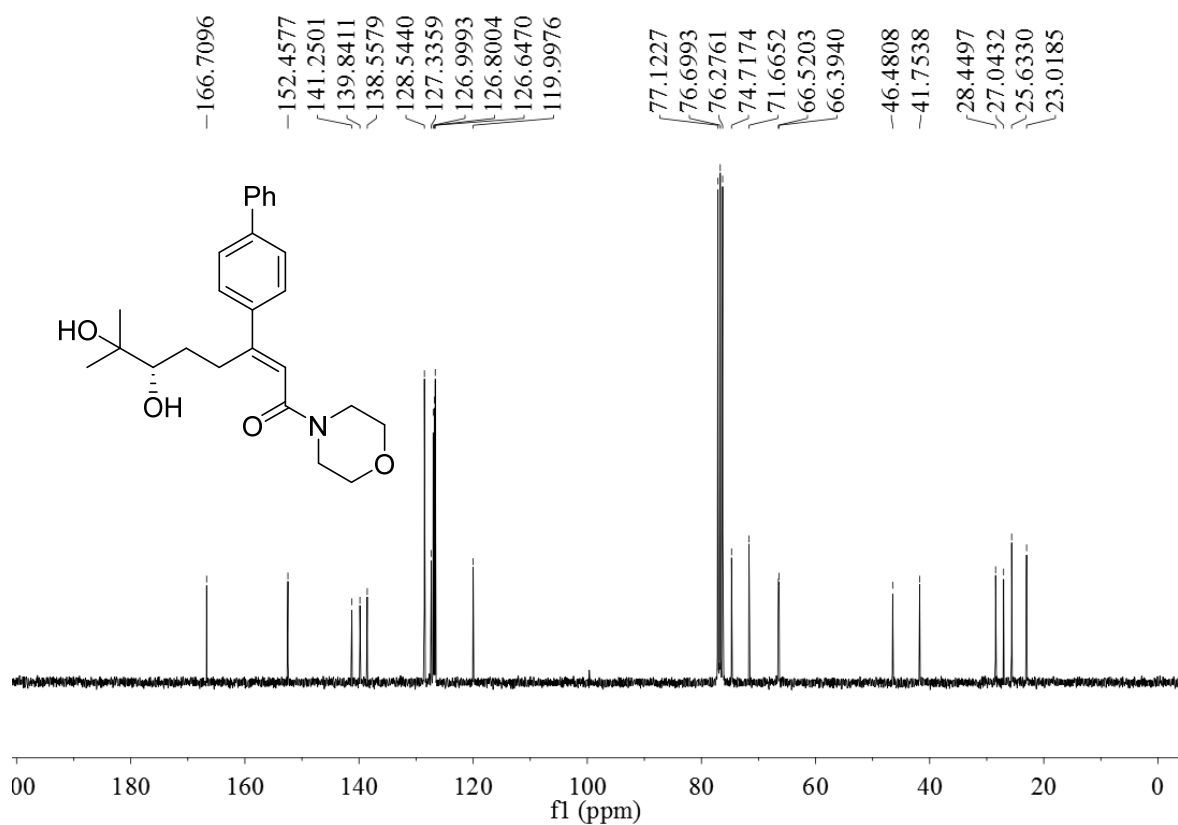


Figure S44. ¹³C NMR spectrum of (S)-11c

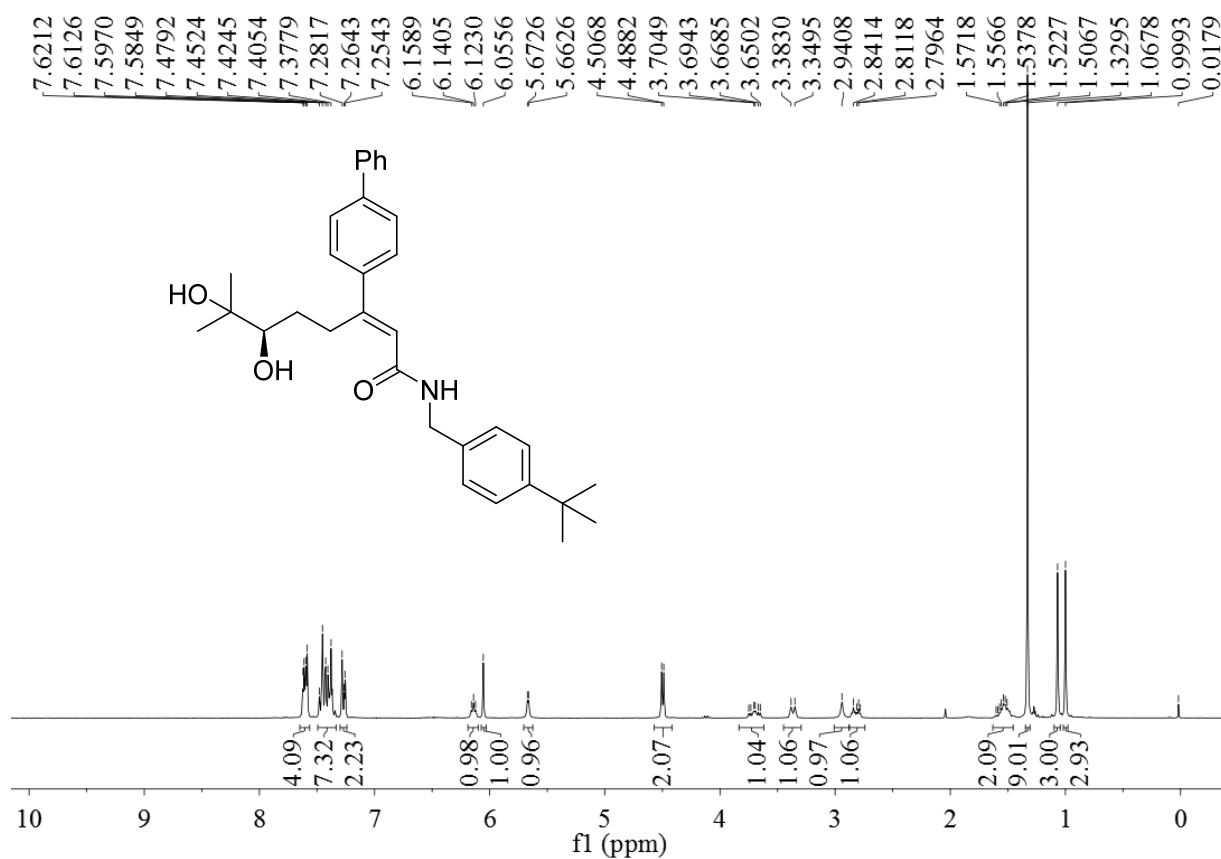


Figure S45. ¹H NMR of Compound (R)-11d

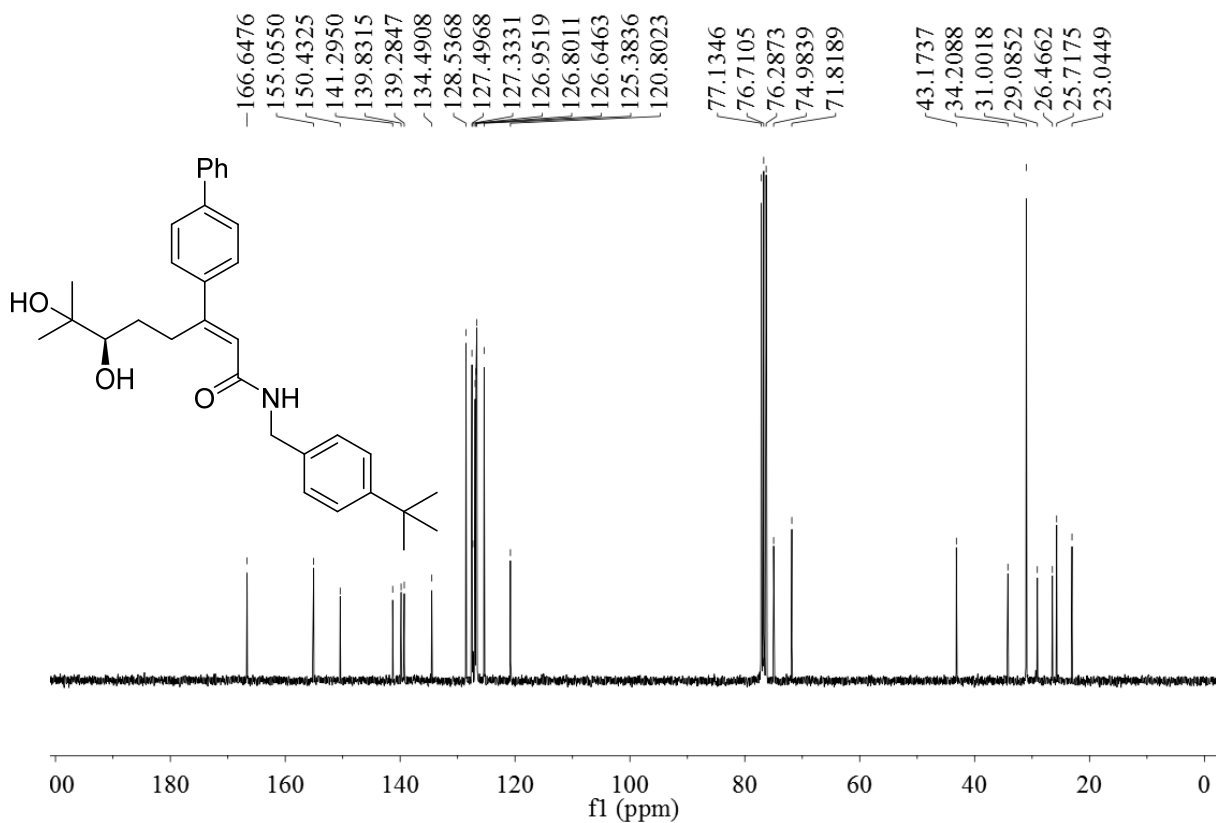


Figure S46. ¹³C NMR spectrum of (R)-11d

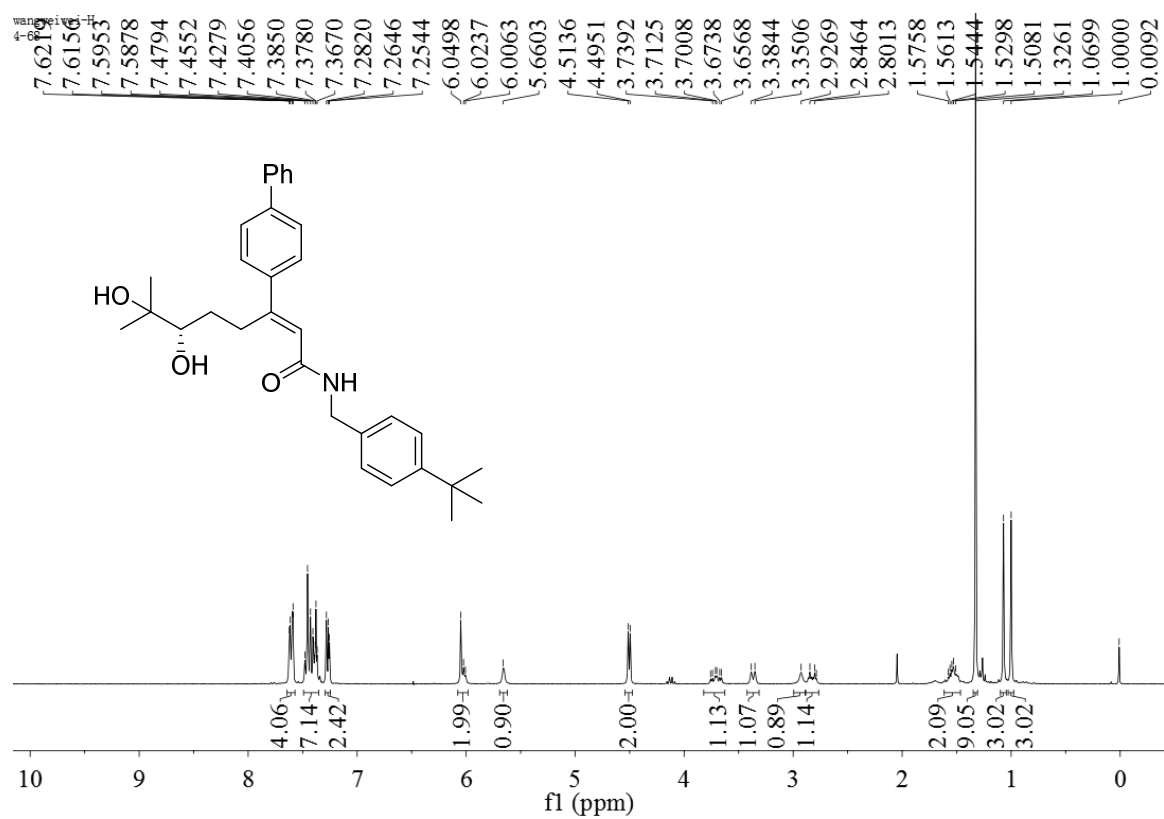


Figure S47. ¹H NMR of Compound (S)-11d

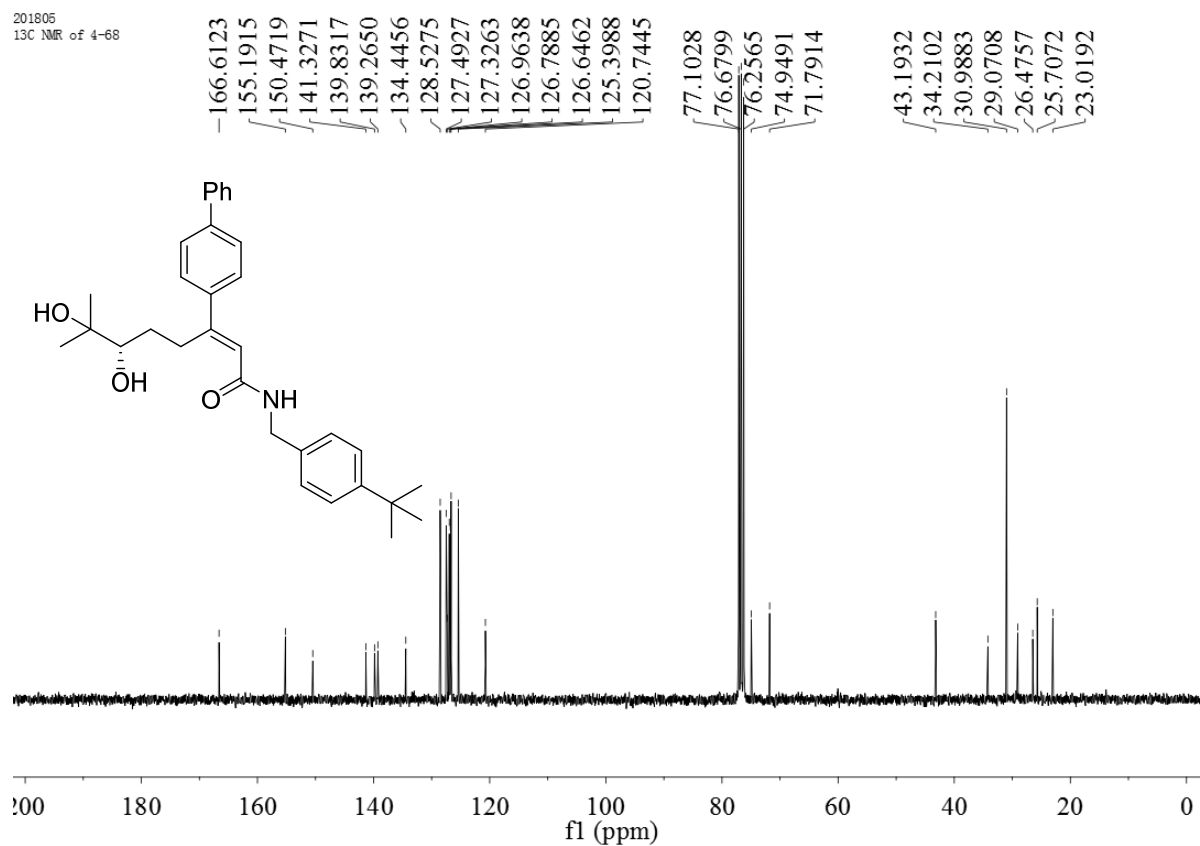


Figure S48. ¹³C NMR spectrum of (S)-11d

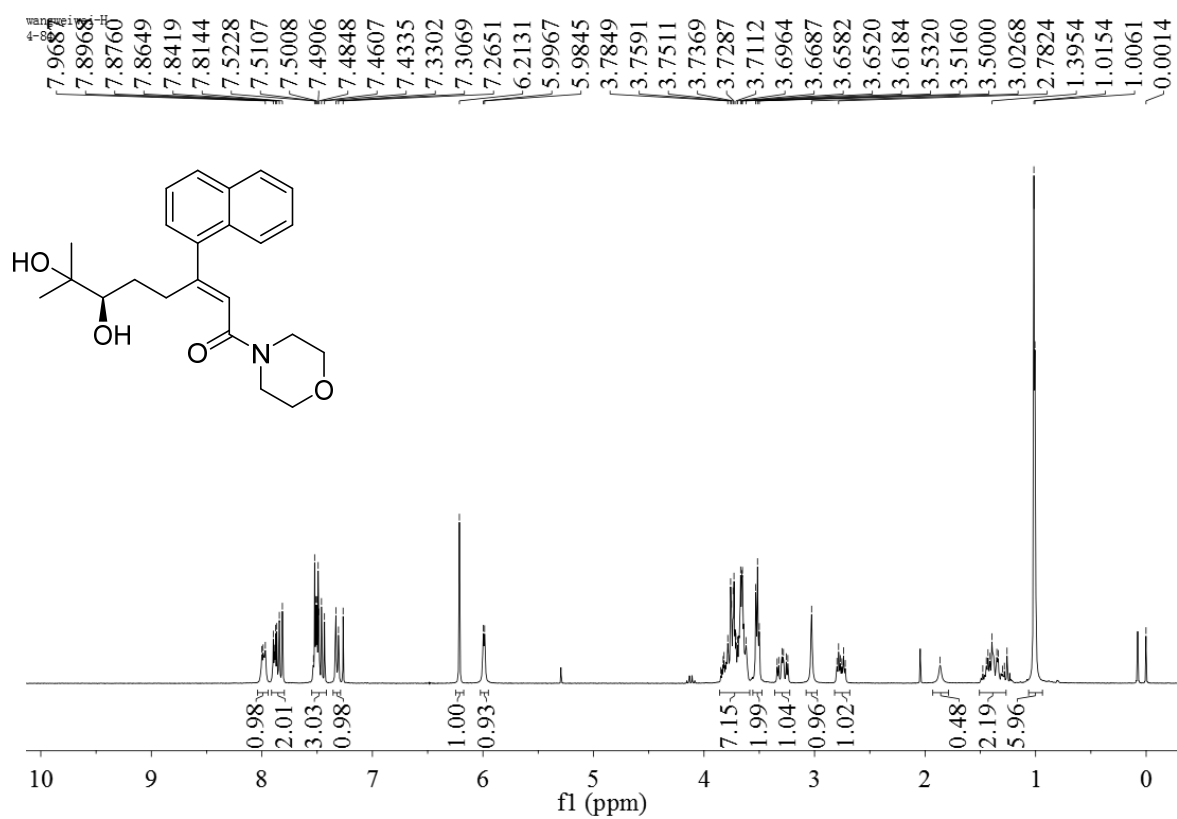


Figure S49. ¹H NMR of Compound (R)-11e

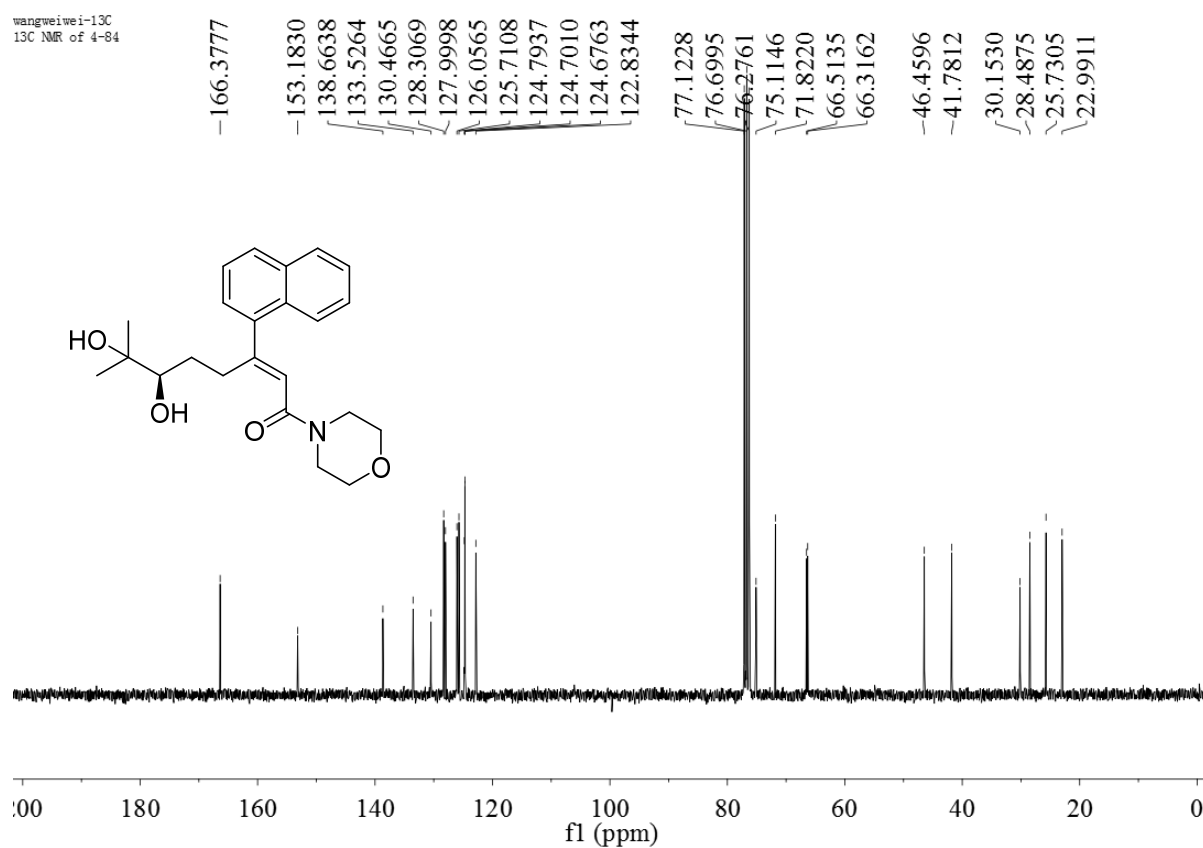


Figure S50. ¹³C NMR spectrum of (R)-11e

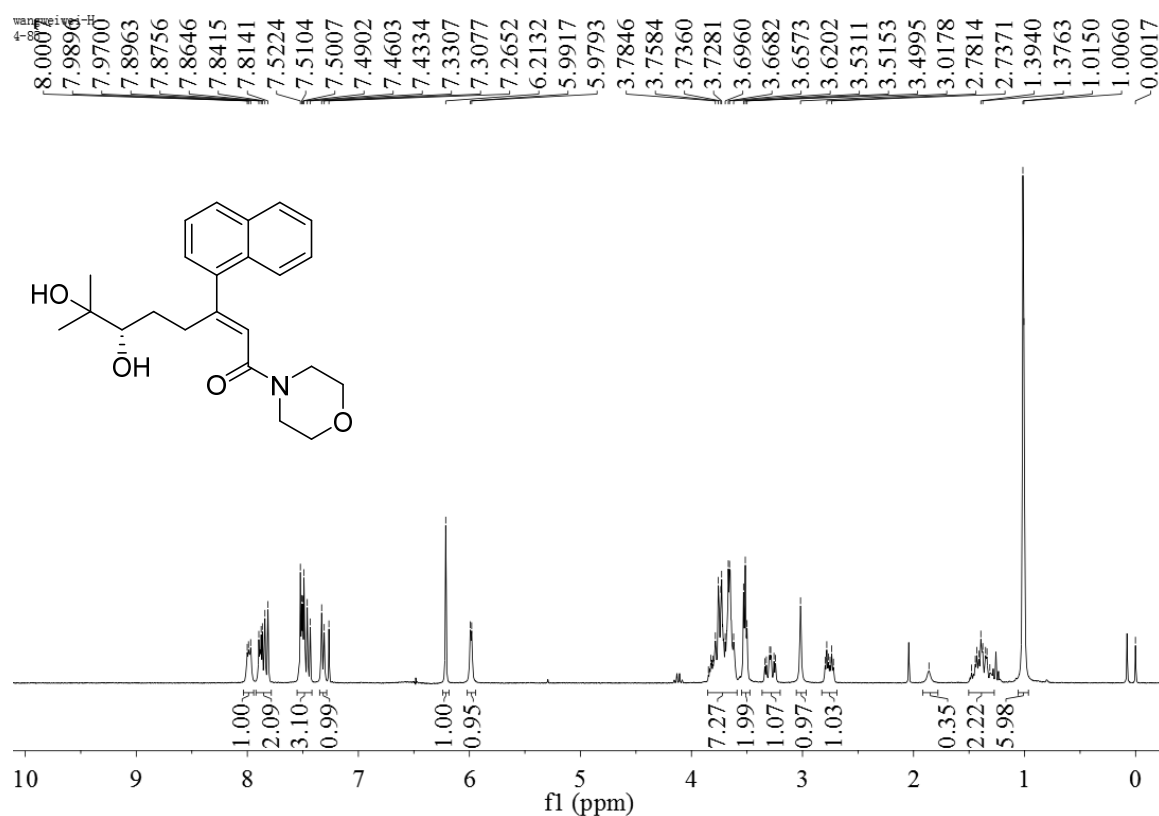


Figure S51. ¹H NMR of Compound (S)-11e

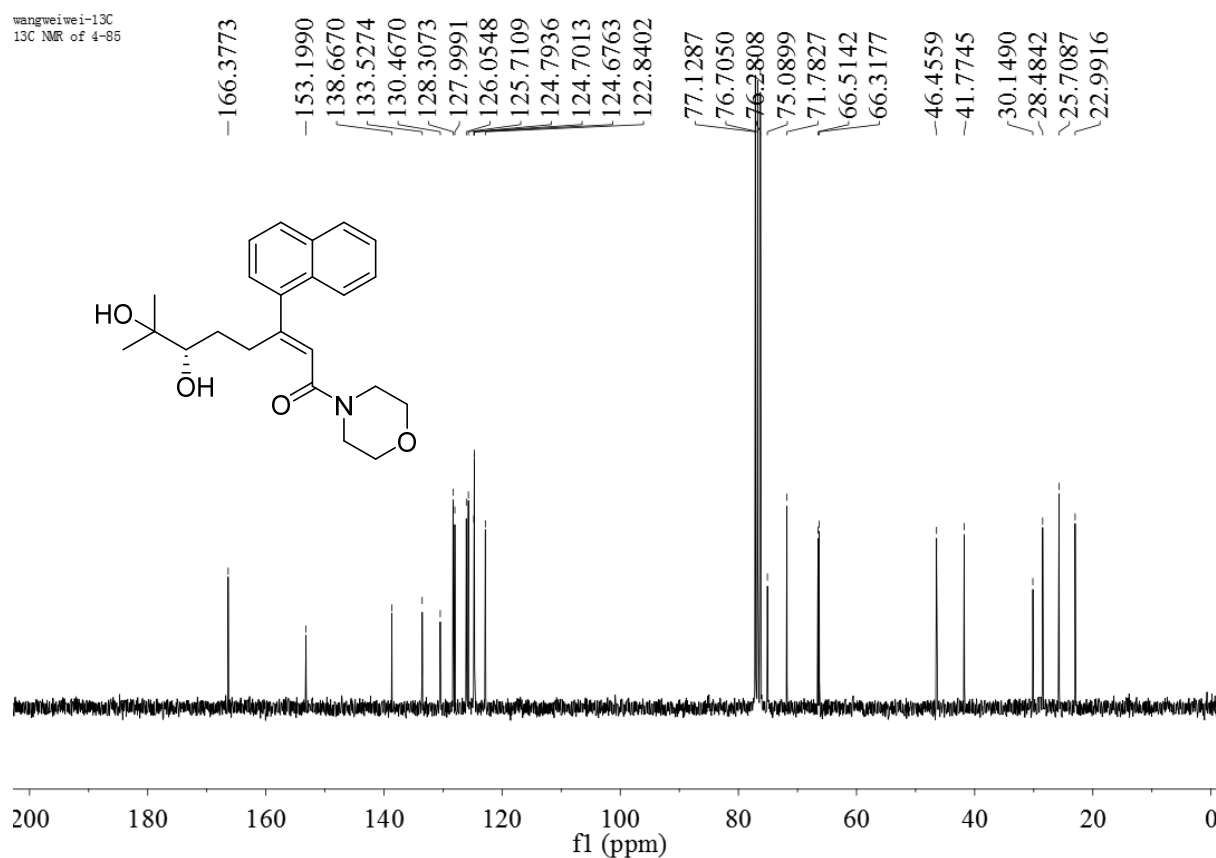


Figure S52. ¹³C NMR spectrum of (S)-11e

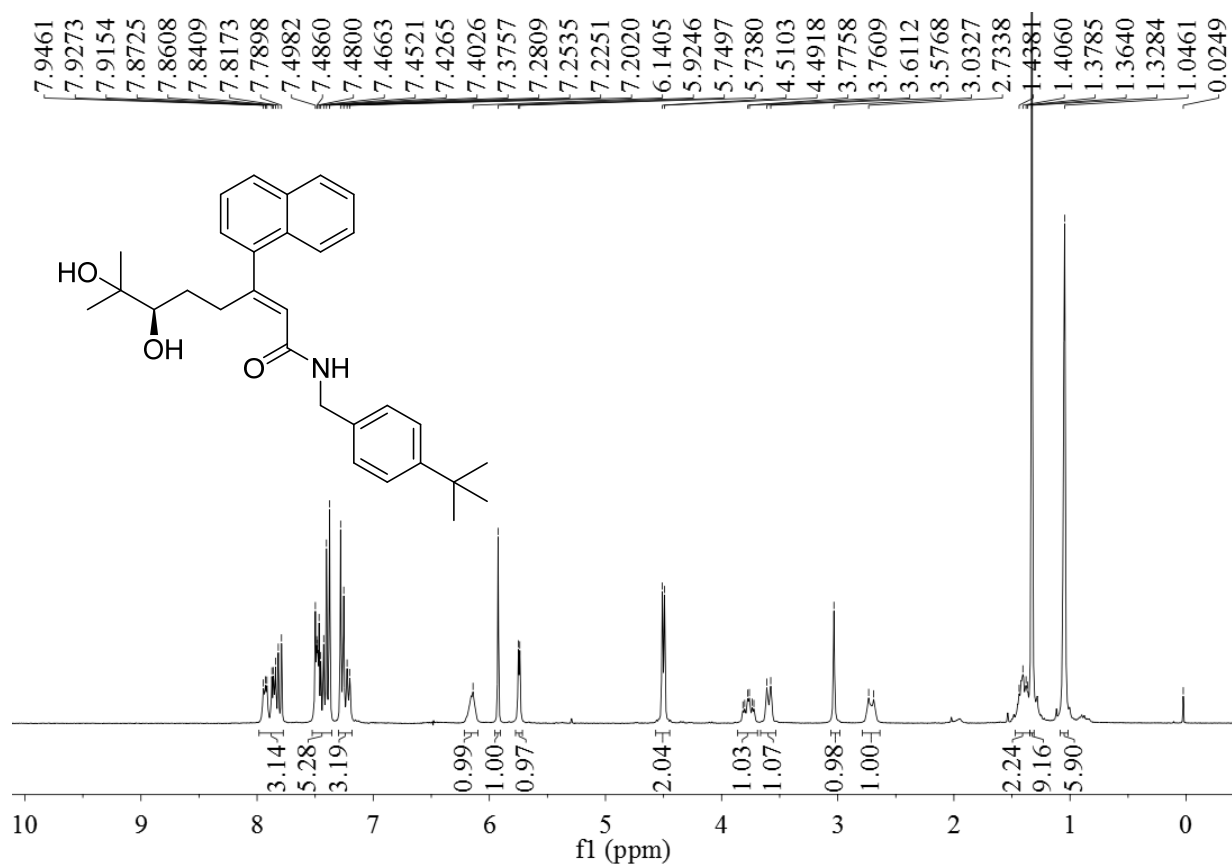


Figure S53. ¹H NMR of Compound (R)-11f

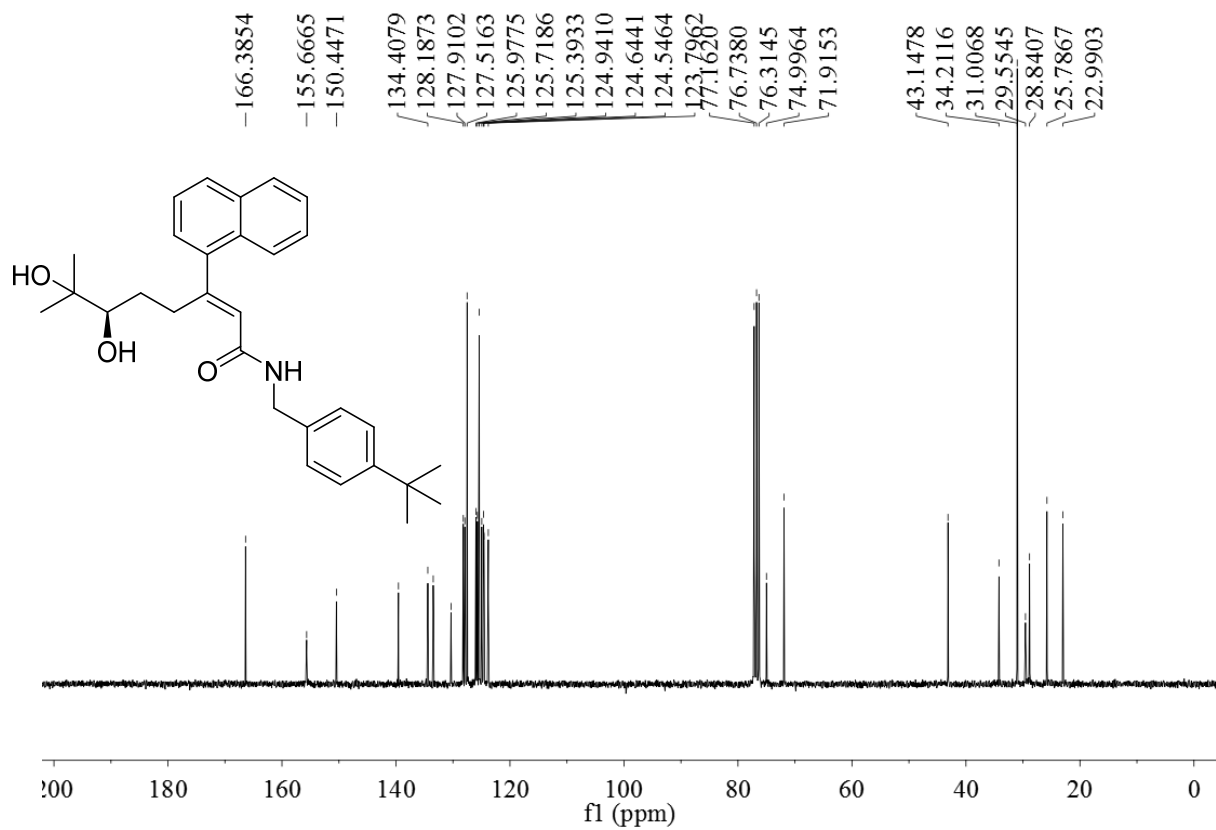


Figure S54. ¹³C NMR spectrum of (R)-11f

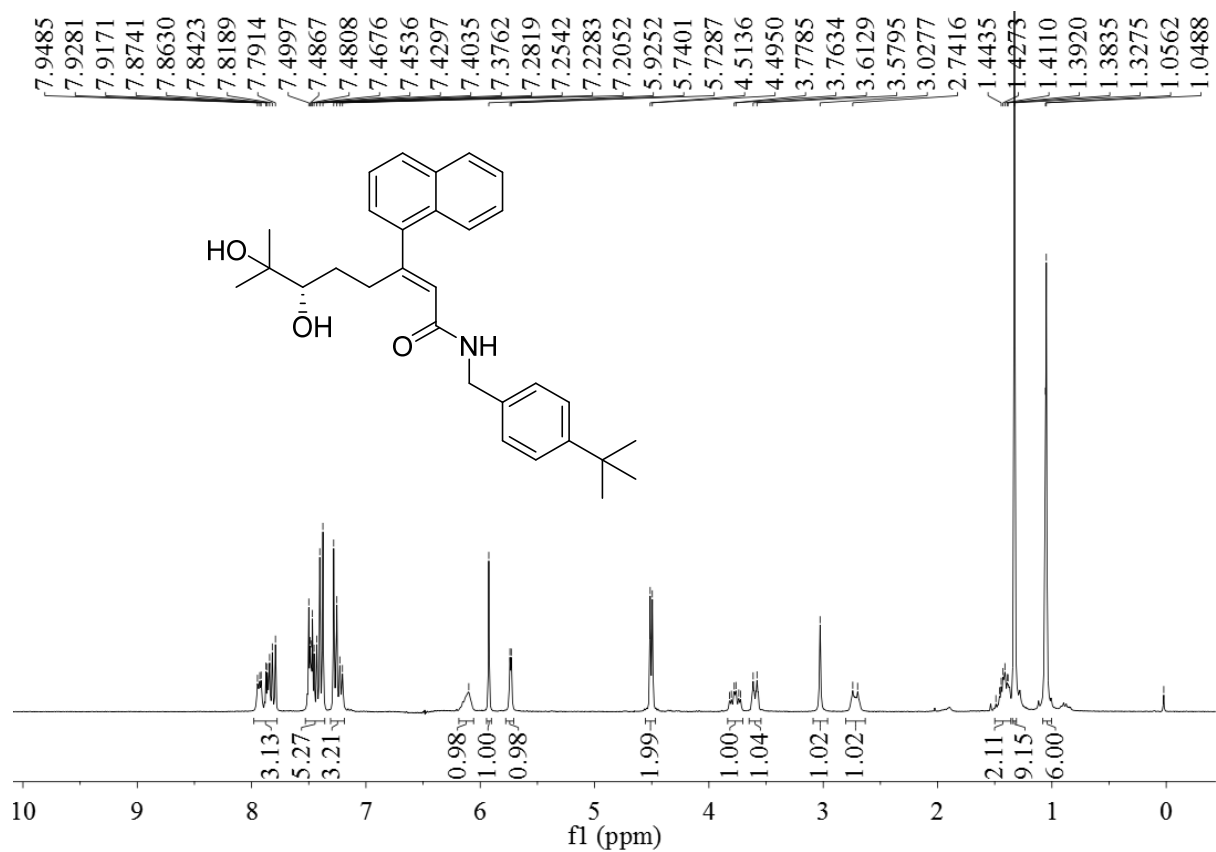


Figure S55. ¹H NMR of Compound (S)-11f

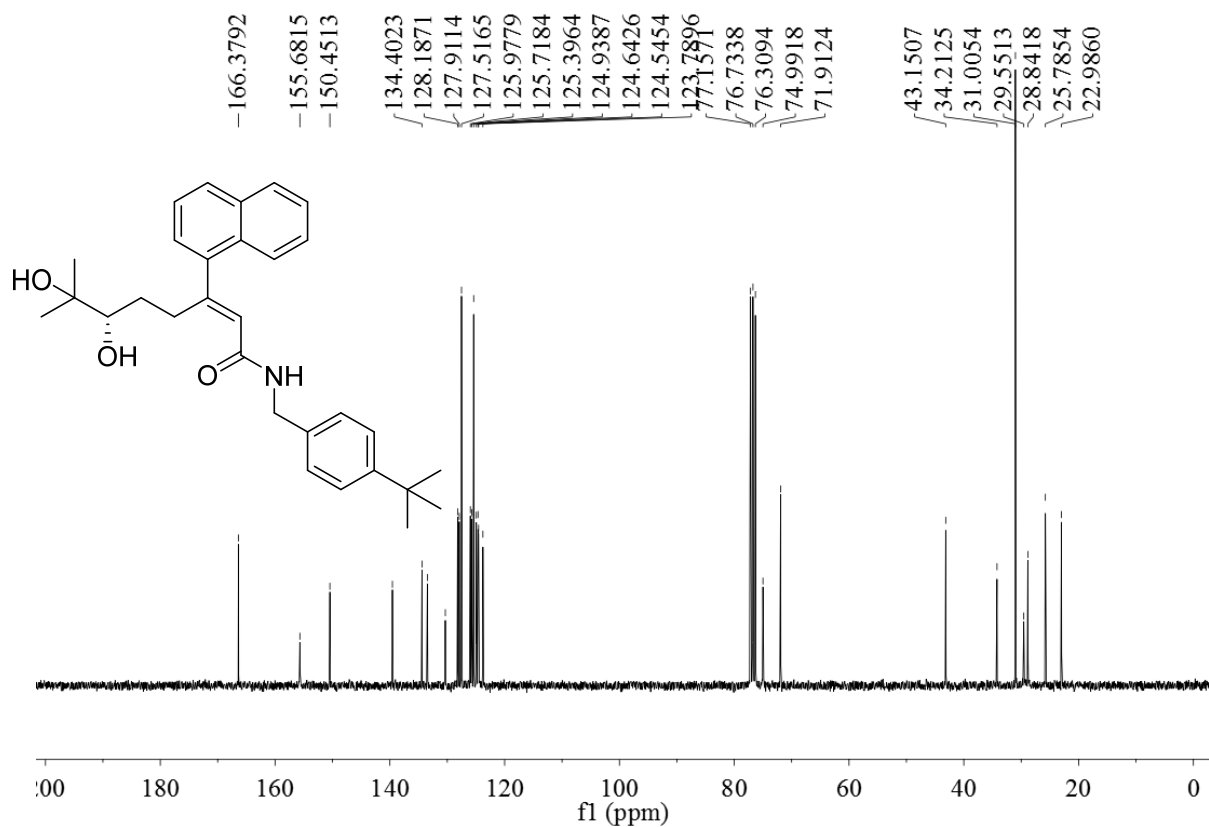


Figure S56. ¹³C NMR spectrum of (S)-11f

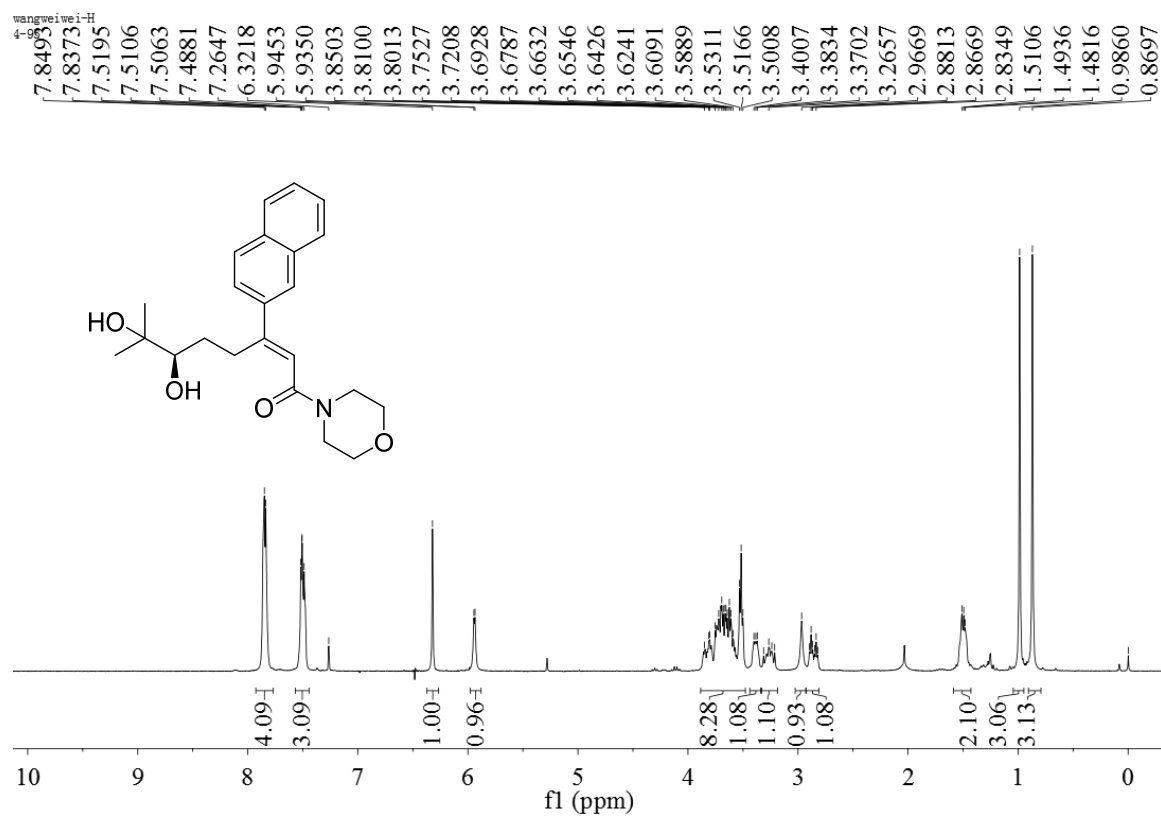


Figure S57. ¹H NMR of Compound (R)-11g

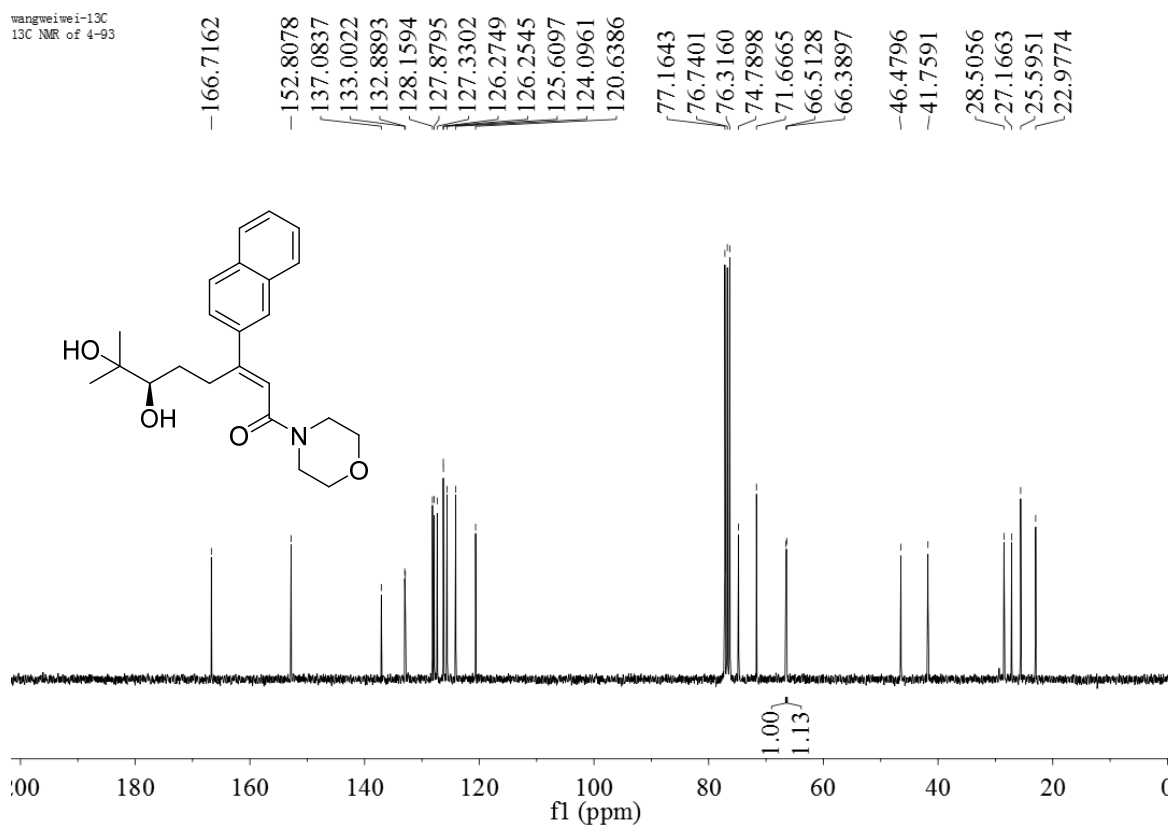


Figure S58. ¹³C NMR spectrum of (R)-11g

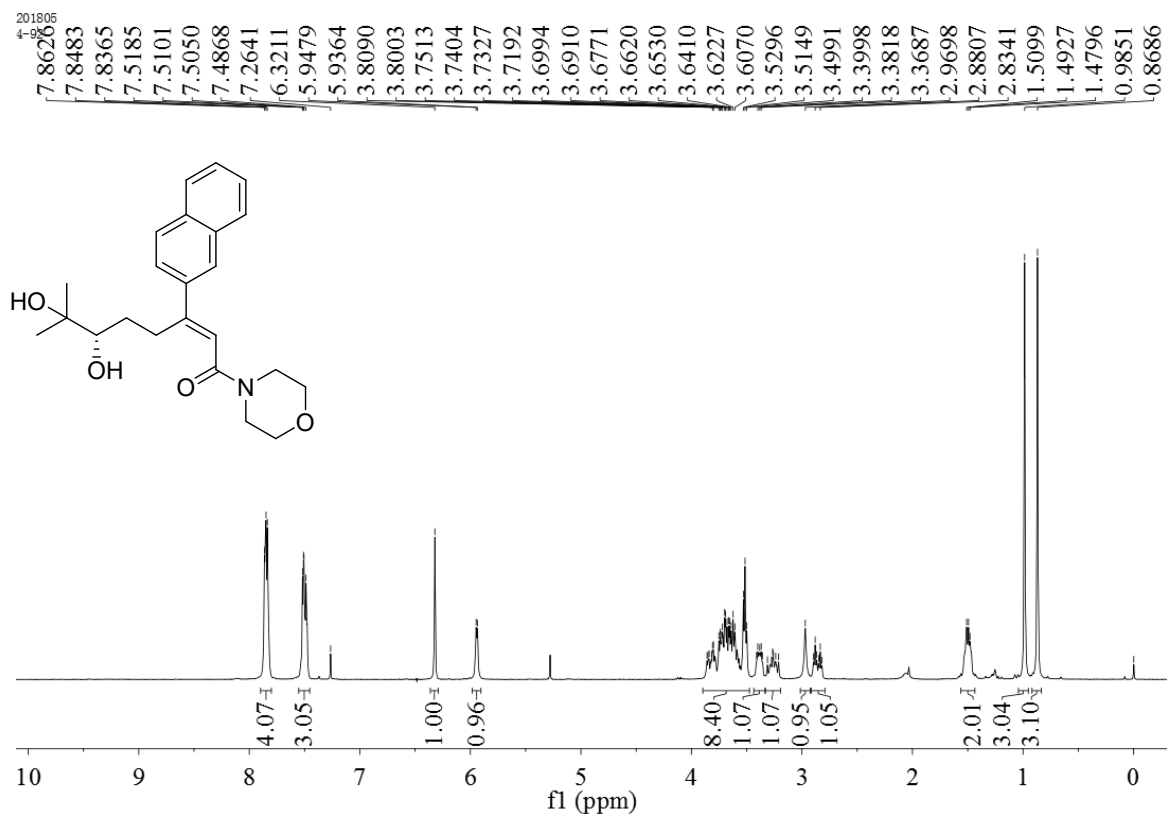


Figure S59. ¹H NMR of Compound (S)-11g

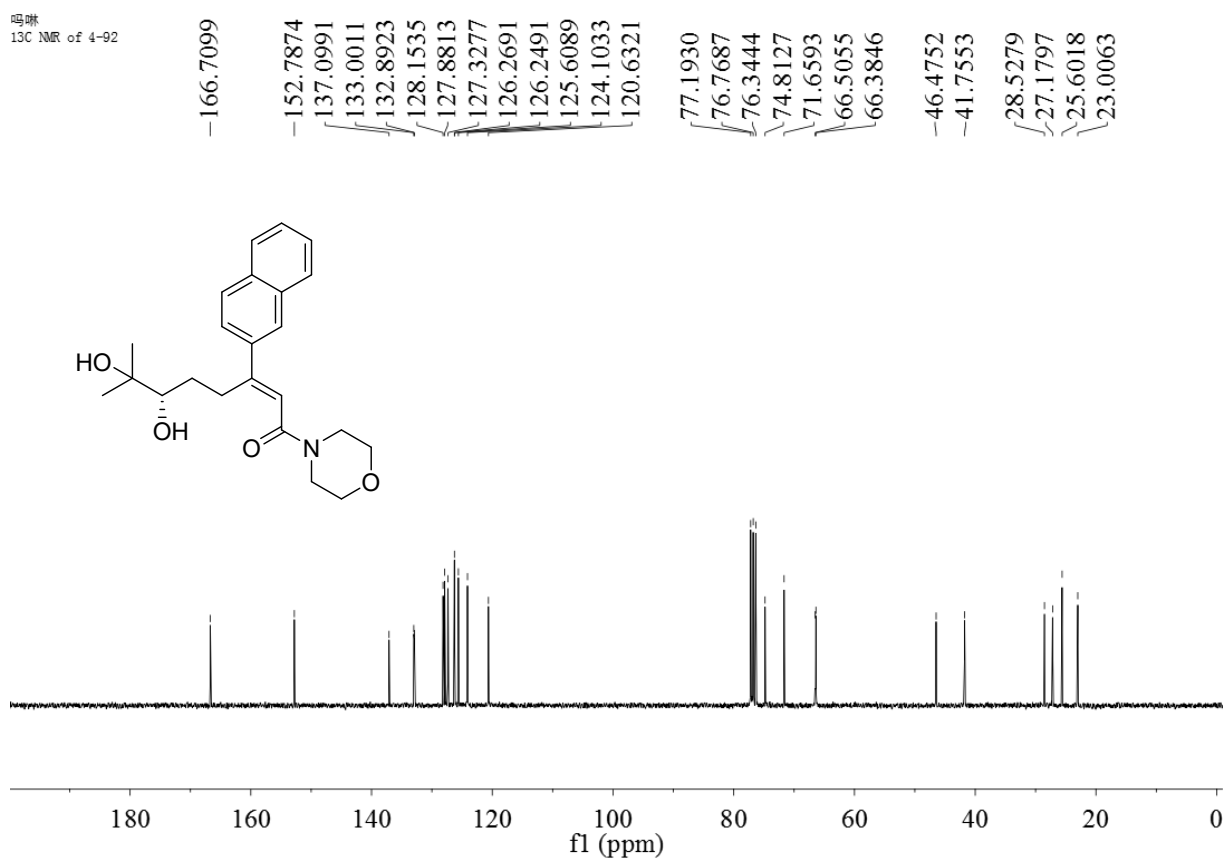


Figure S60. ¹³C NMR spectrum of (S)-11g

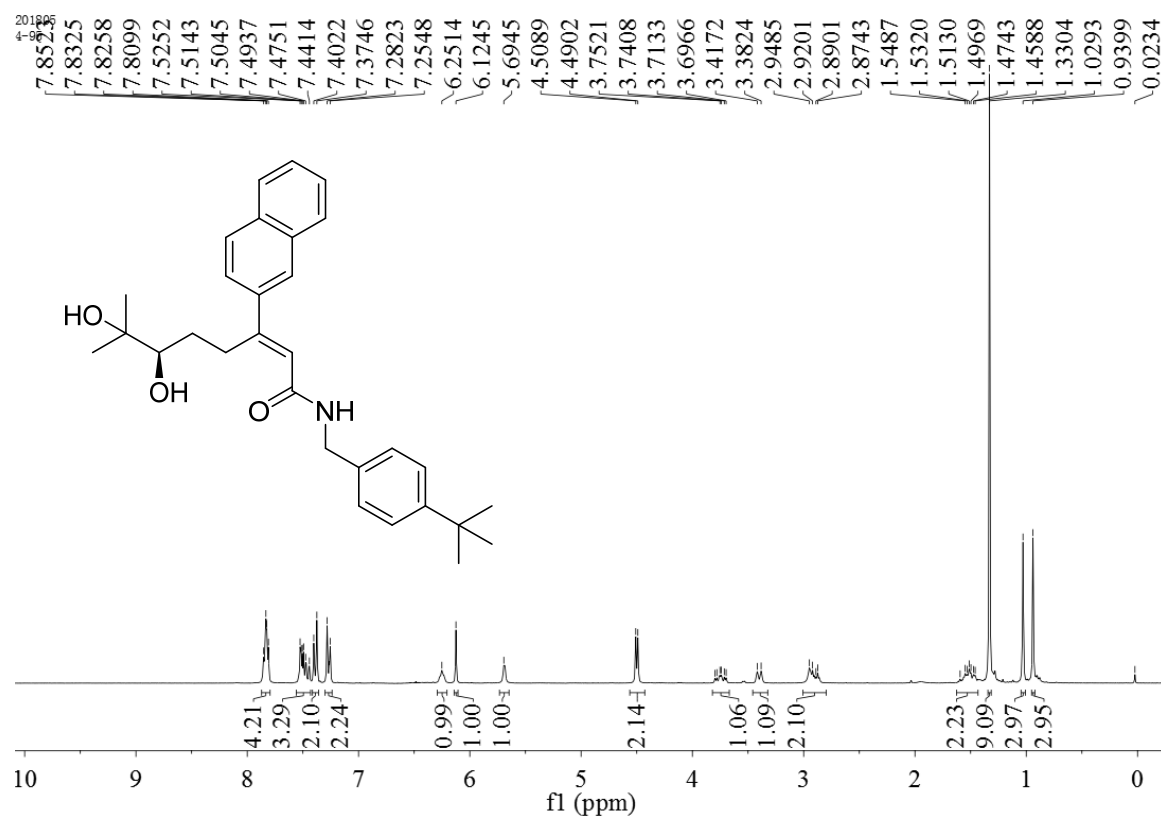


Figure S61. ¹H NMR of Compound (R)-11h

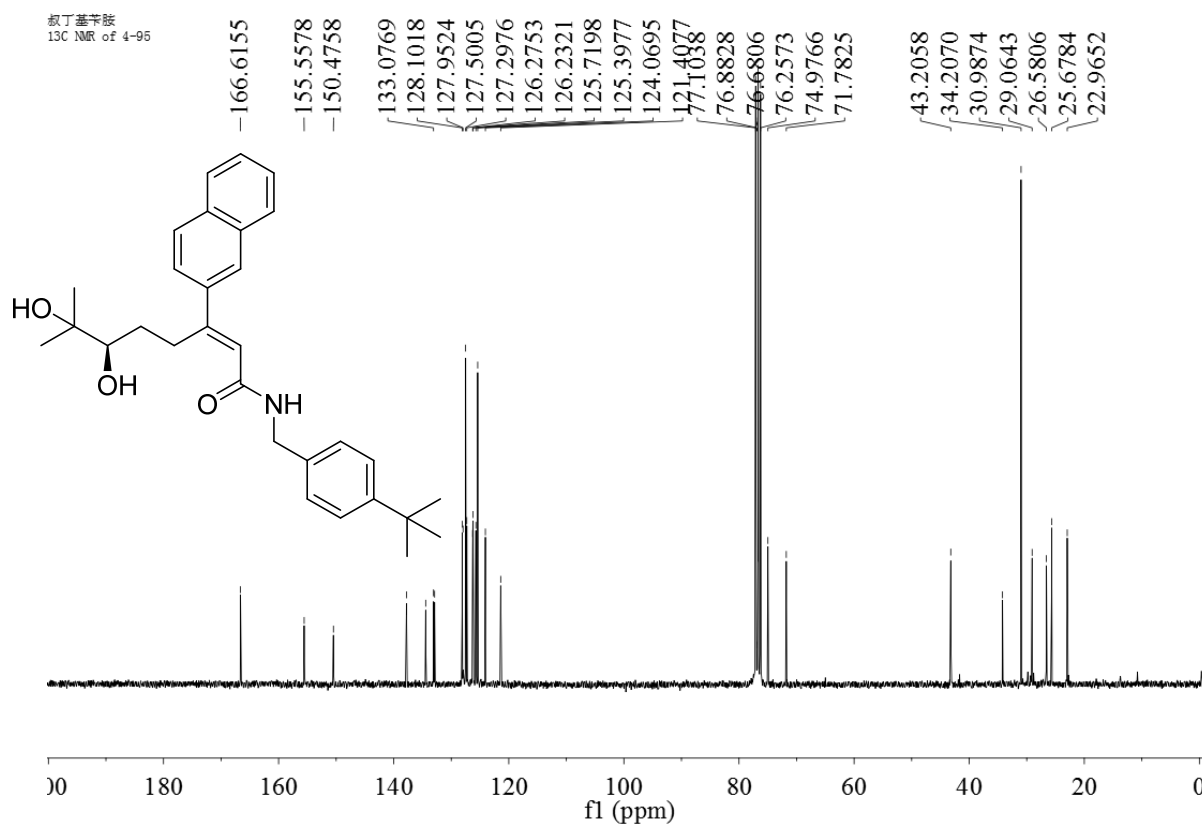


Figure S62. ¹³C NMR spectrum of (R)-11h

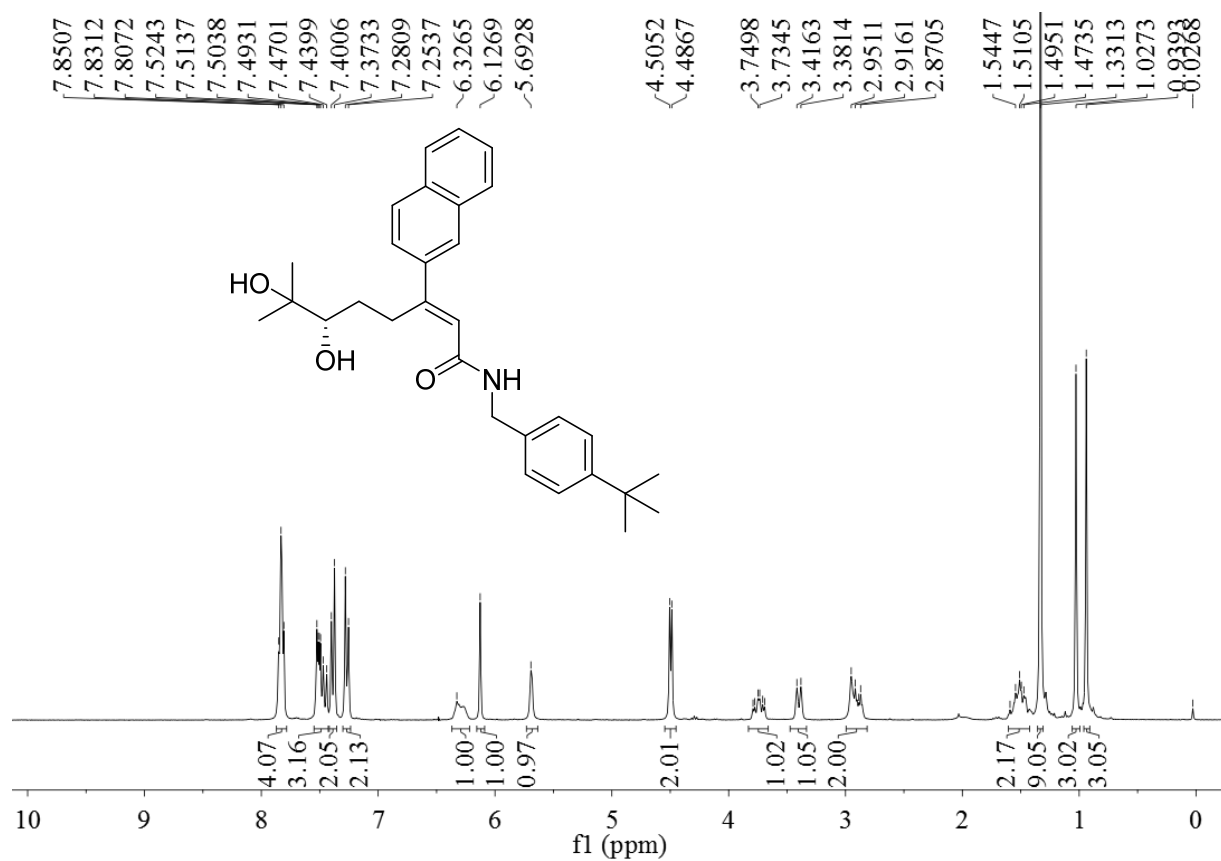


Figure S63. ¹H NMR of Compound (S)-11h

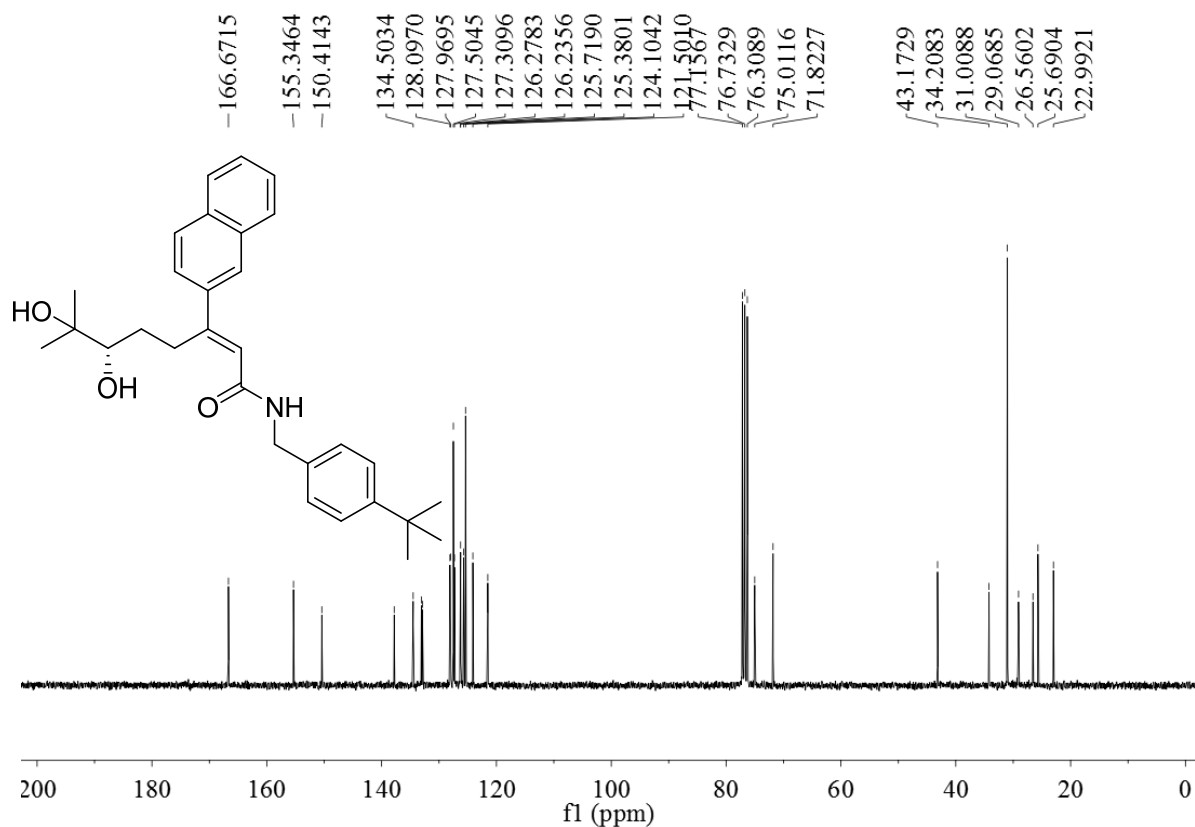


Figure S64. ¹³C NMR spectrum of (S)-11h

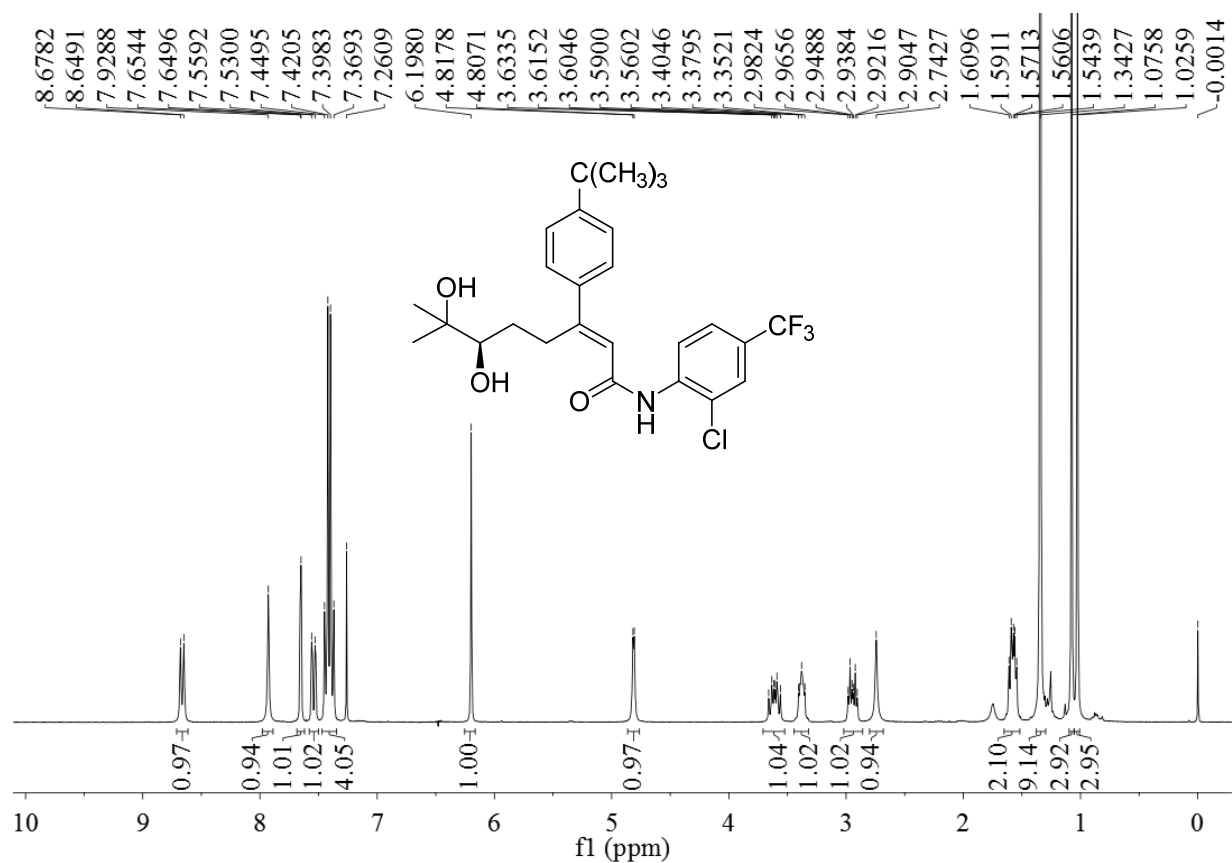


Figure S65. ¹H NMR of Compound (R)-11i

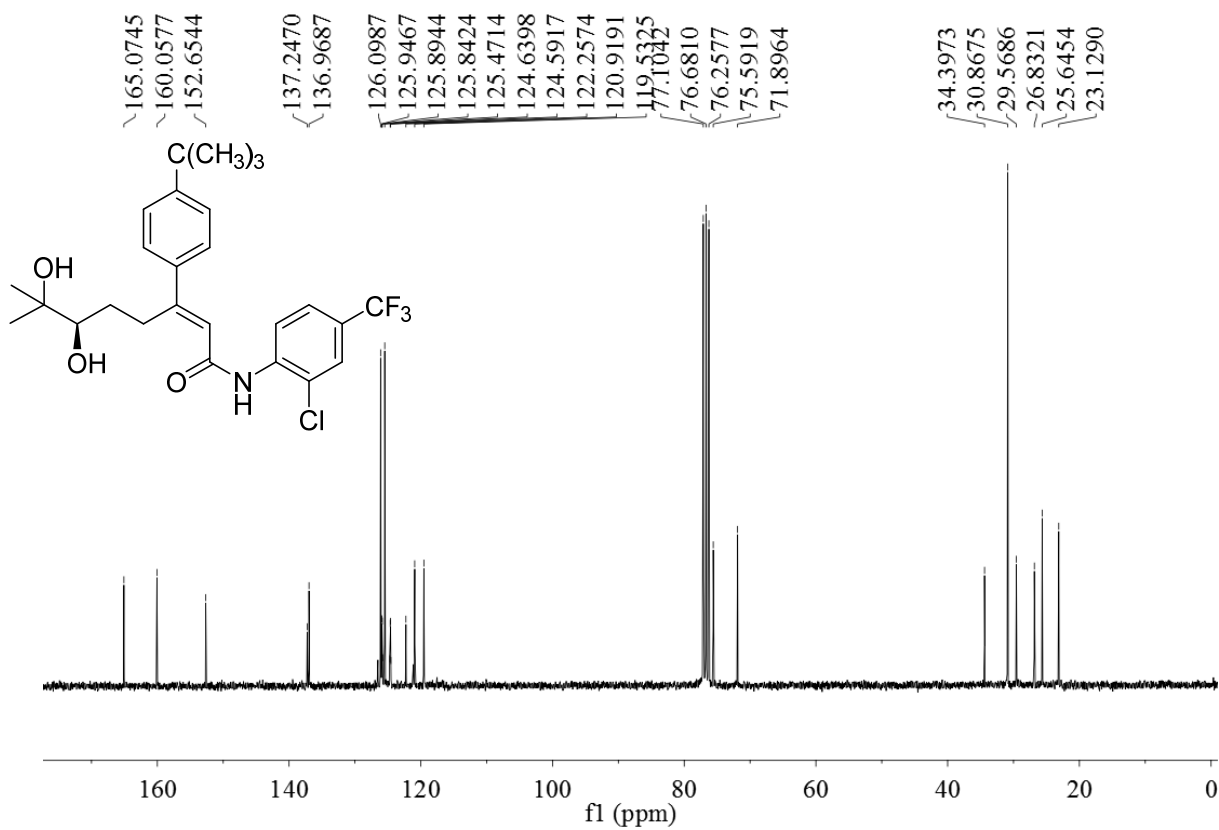


Figure S66. ¹³C NMR spectrum of (R)-11i

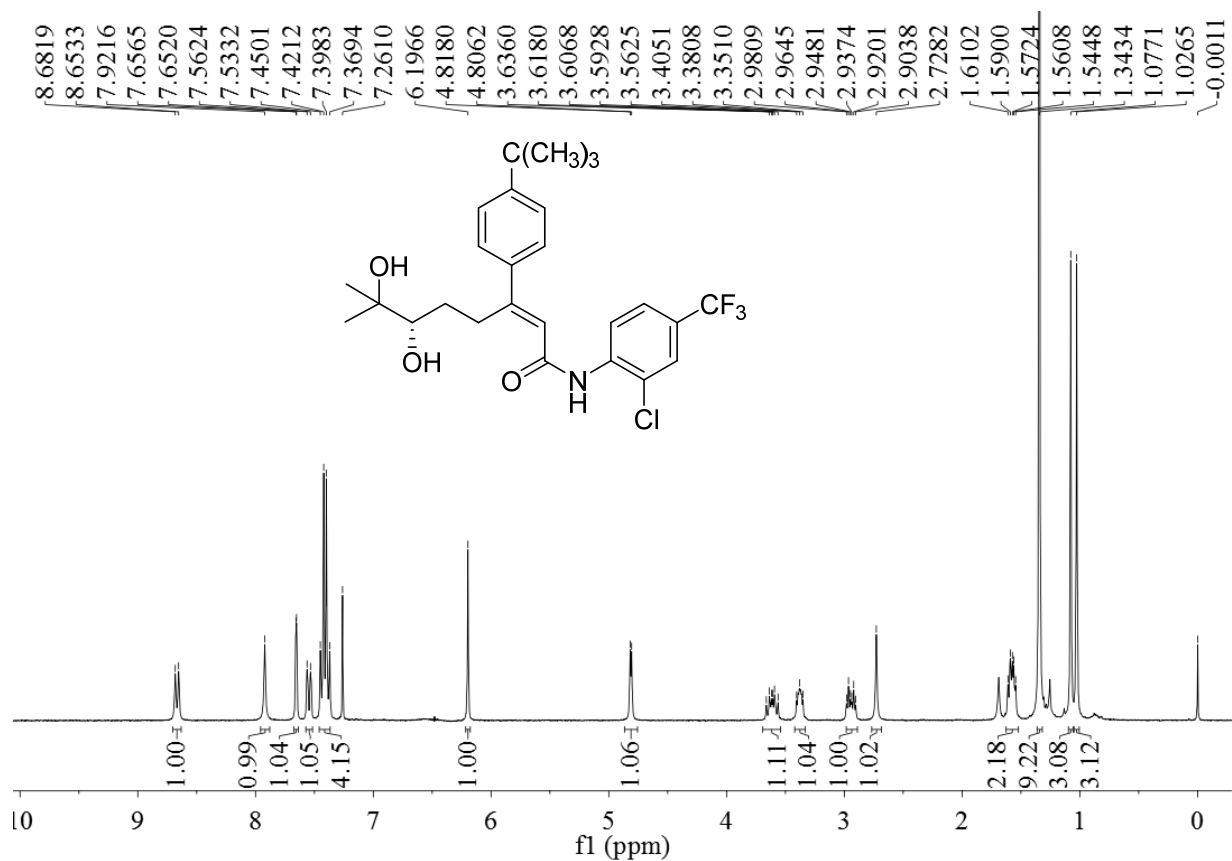


Figure S67. ¹H NMR of Compound (S)-11i

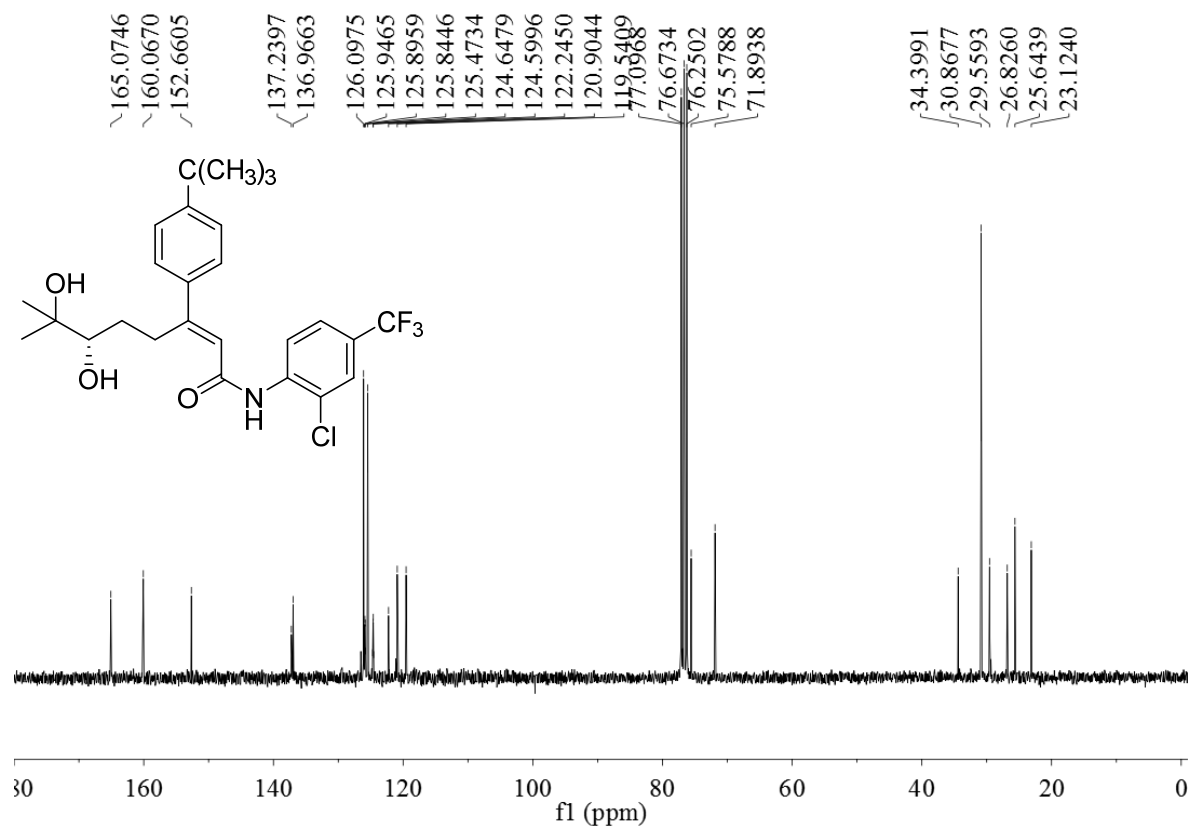
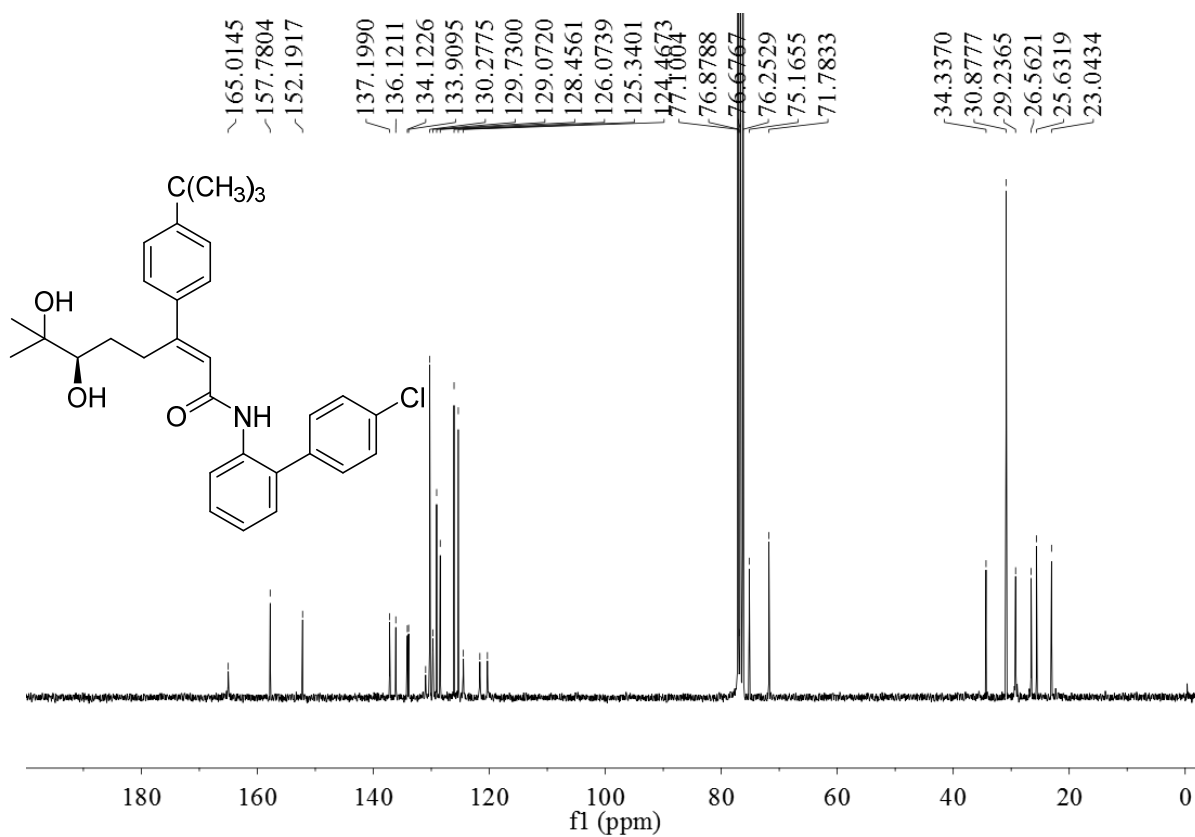
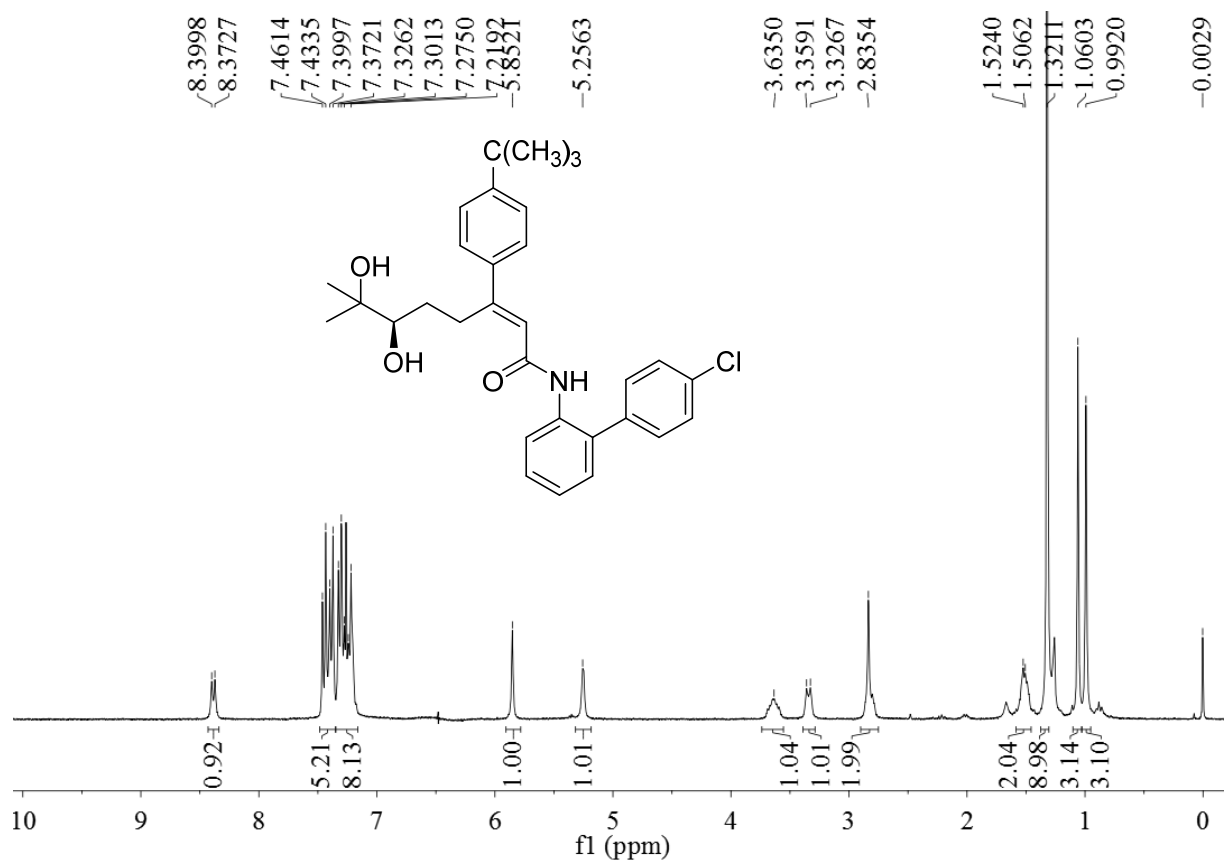


Figure S68. ¹³C NMR spectrum of (S)-11i



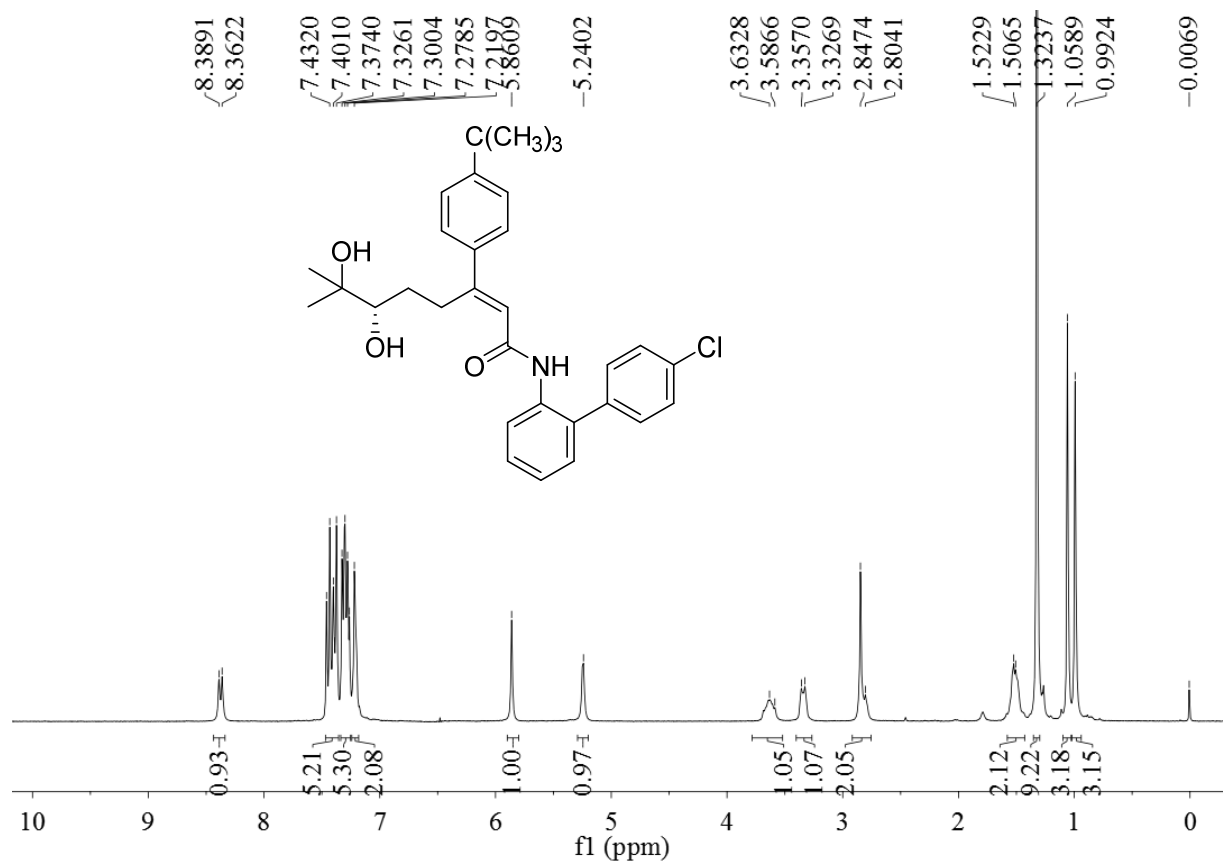


Figure S71. ¹H NMR of Compound (S)-11j

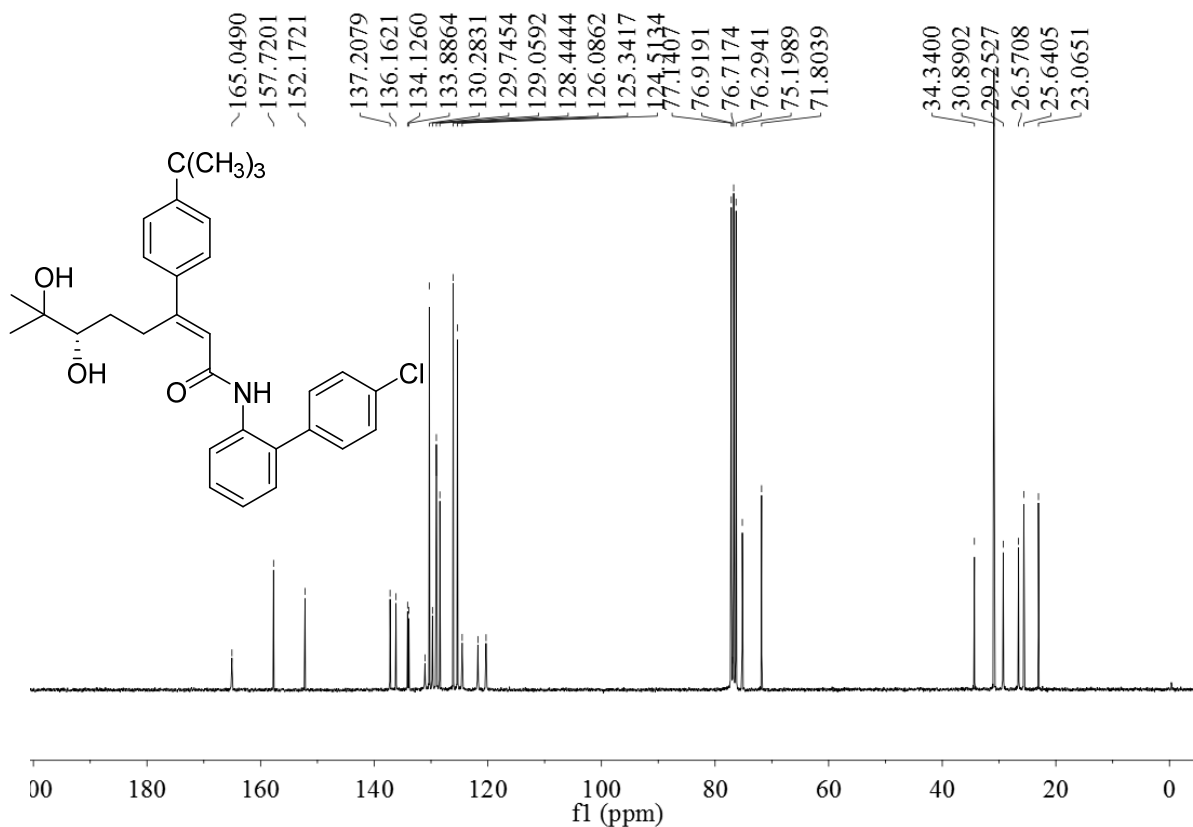


Figure S72. ¹³C NMR spectrum of (S)-11j

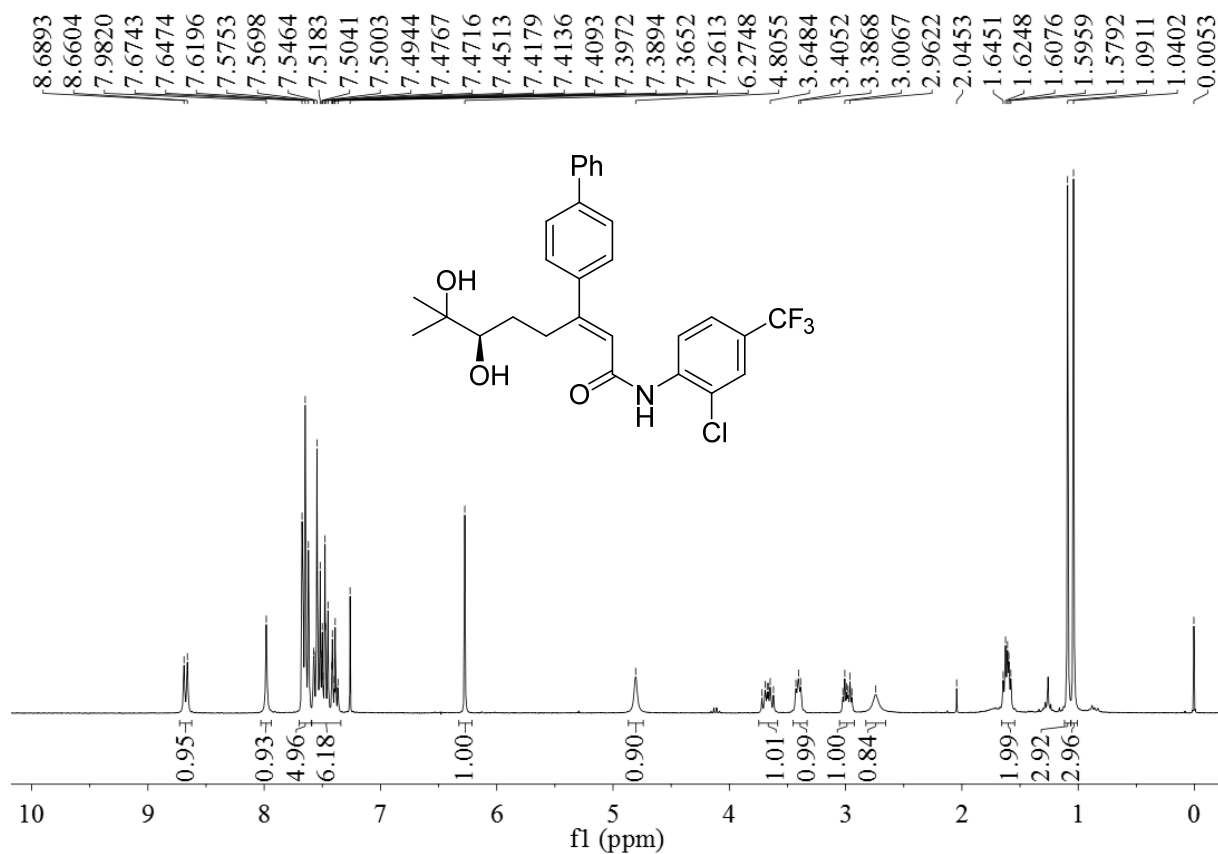


Figure S73. ¹H NMR of Compound (R)-11k

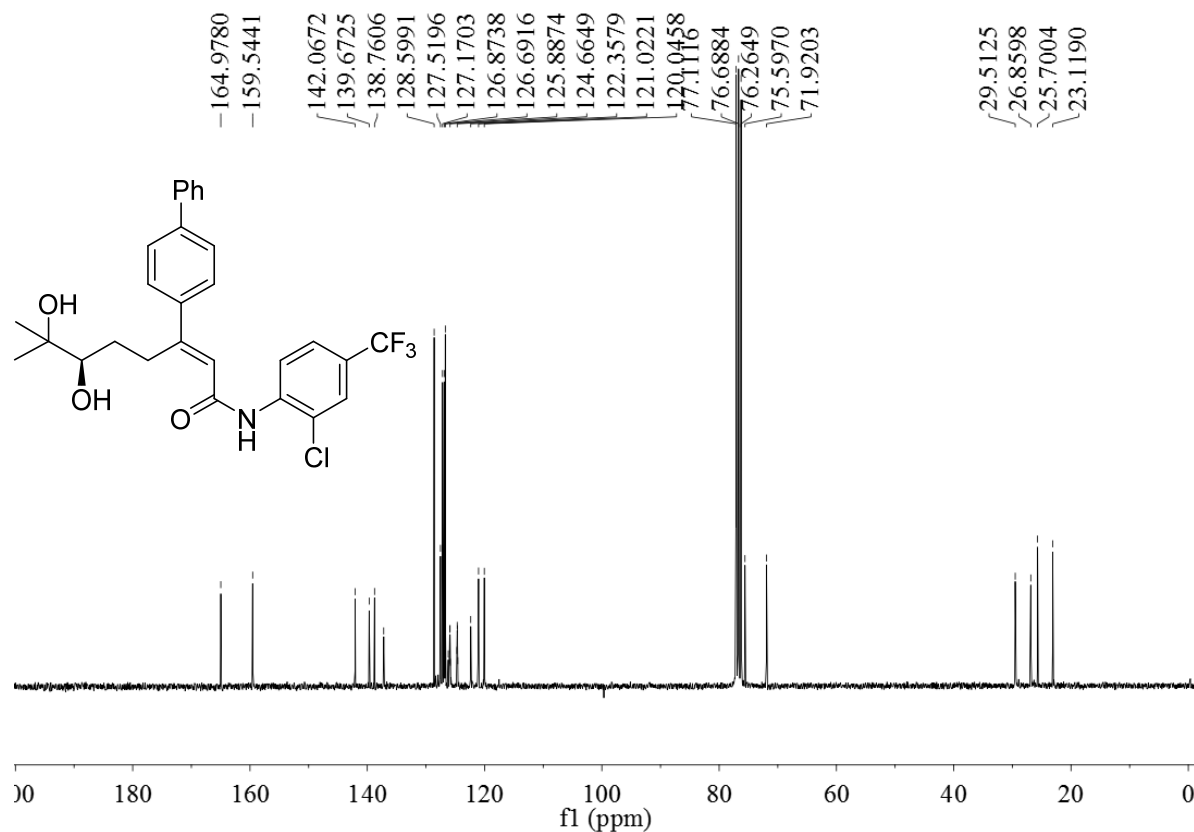


Figure S74. ¹³C NMR spectrum of (R)-11k

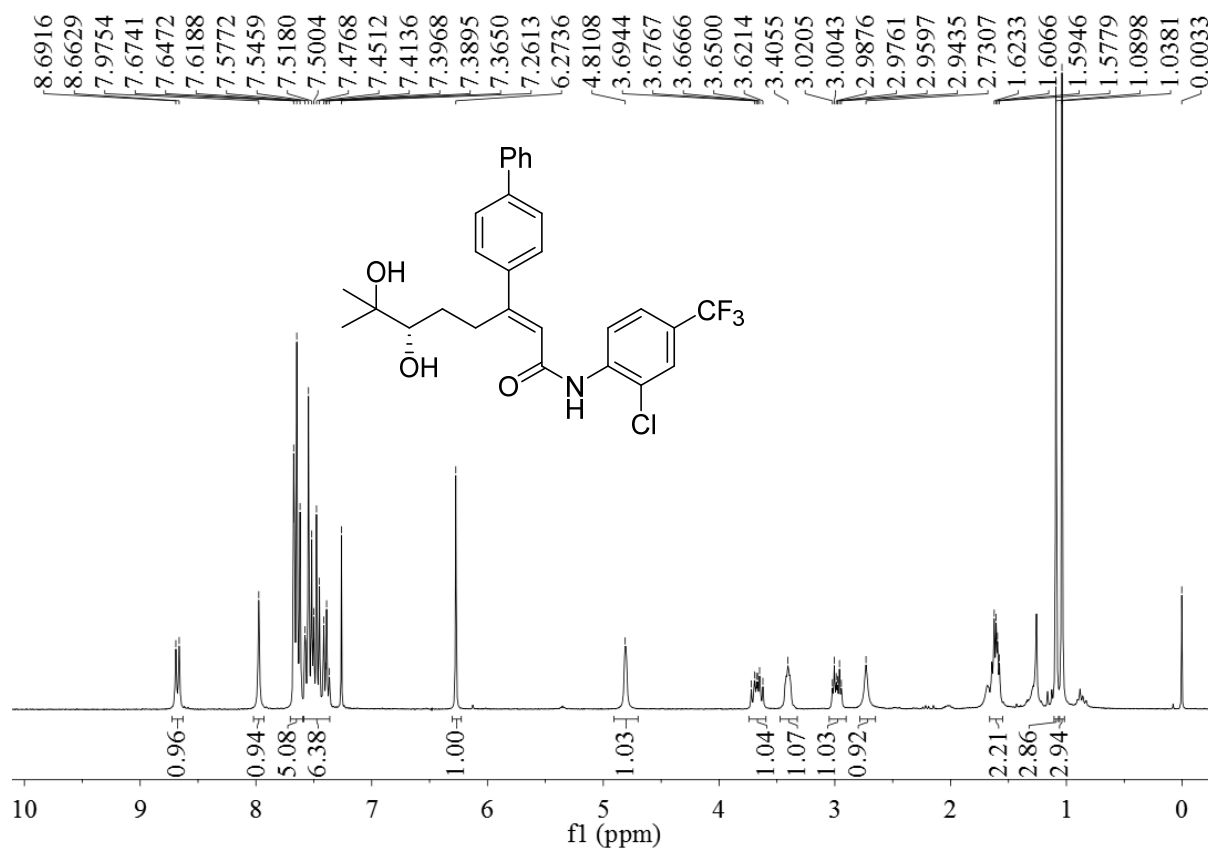


Figure S75. ¹H NMR of Compound (S)-11k

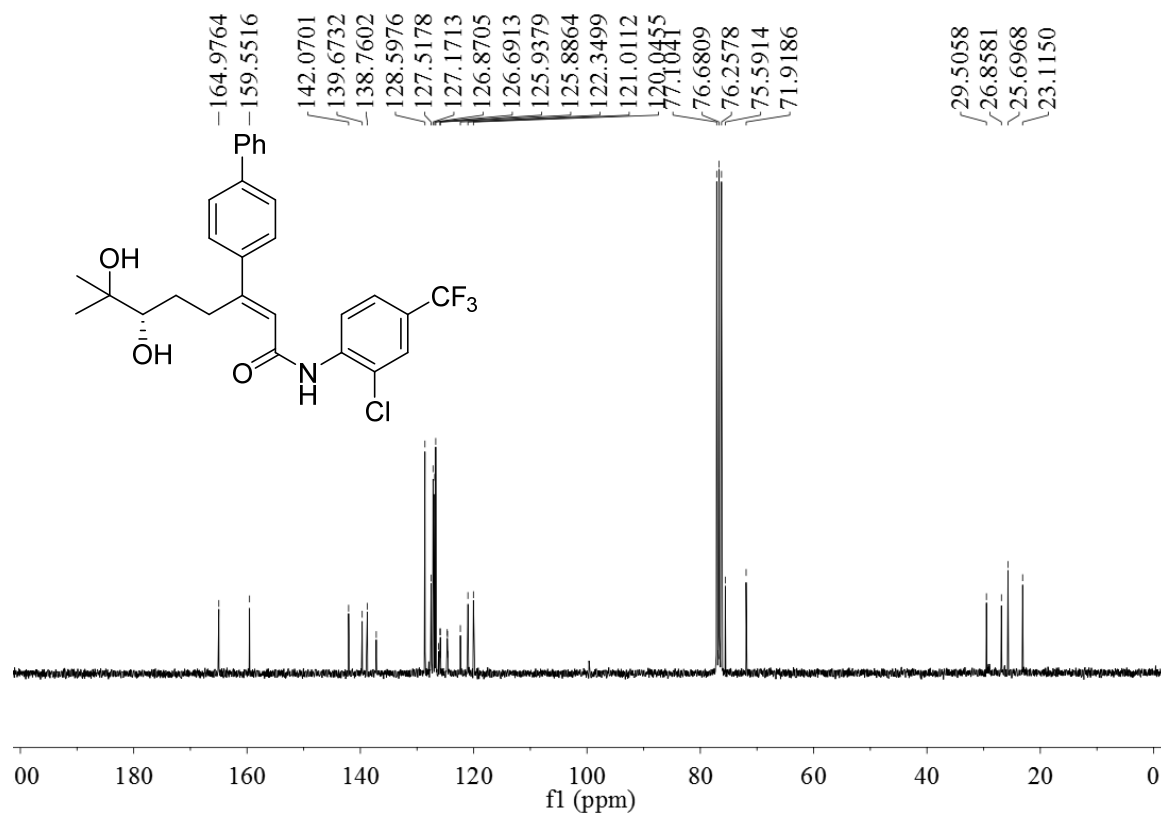
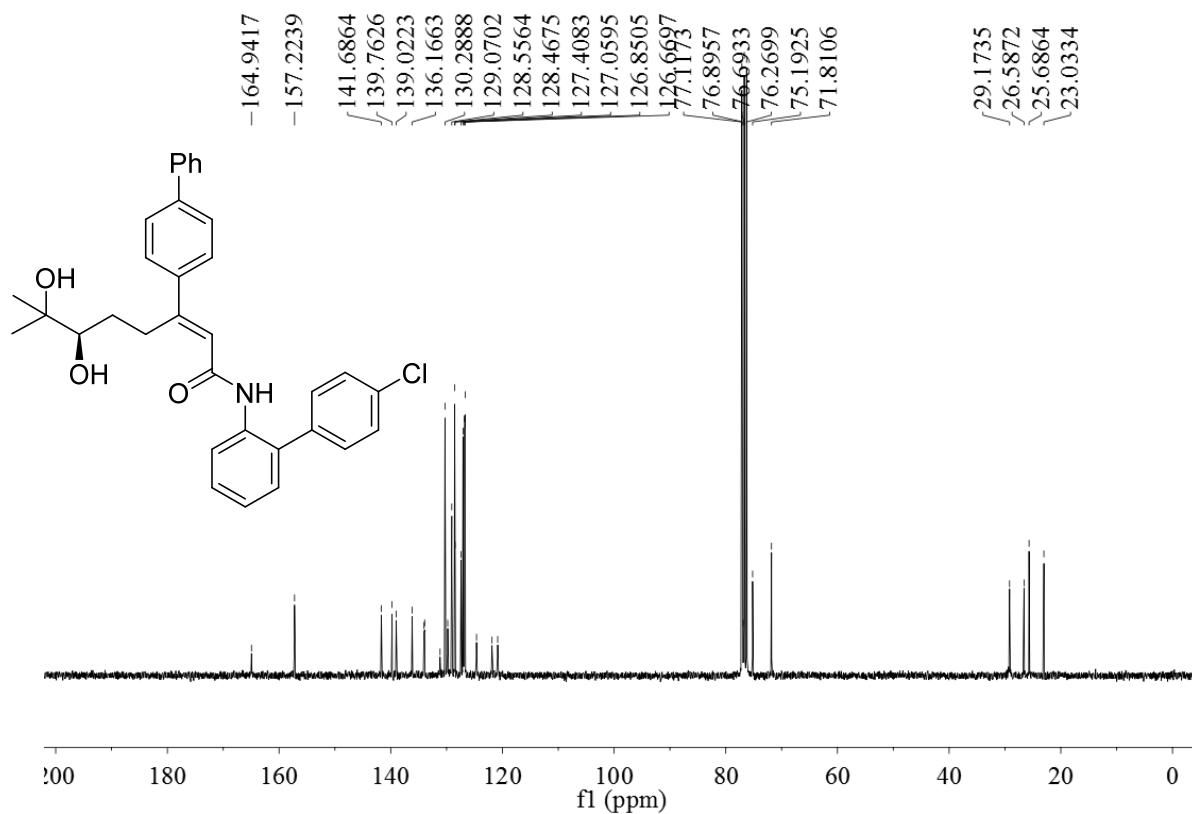
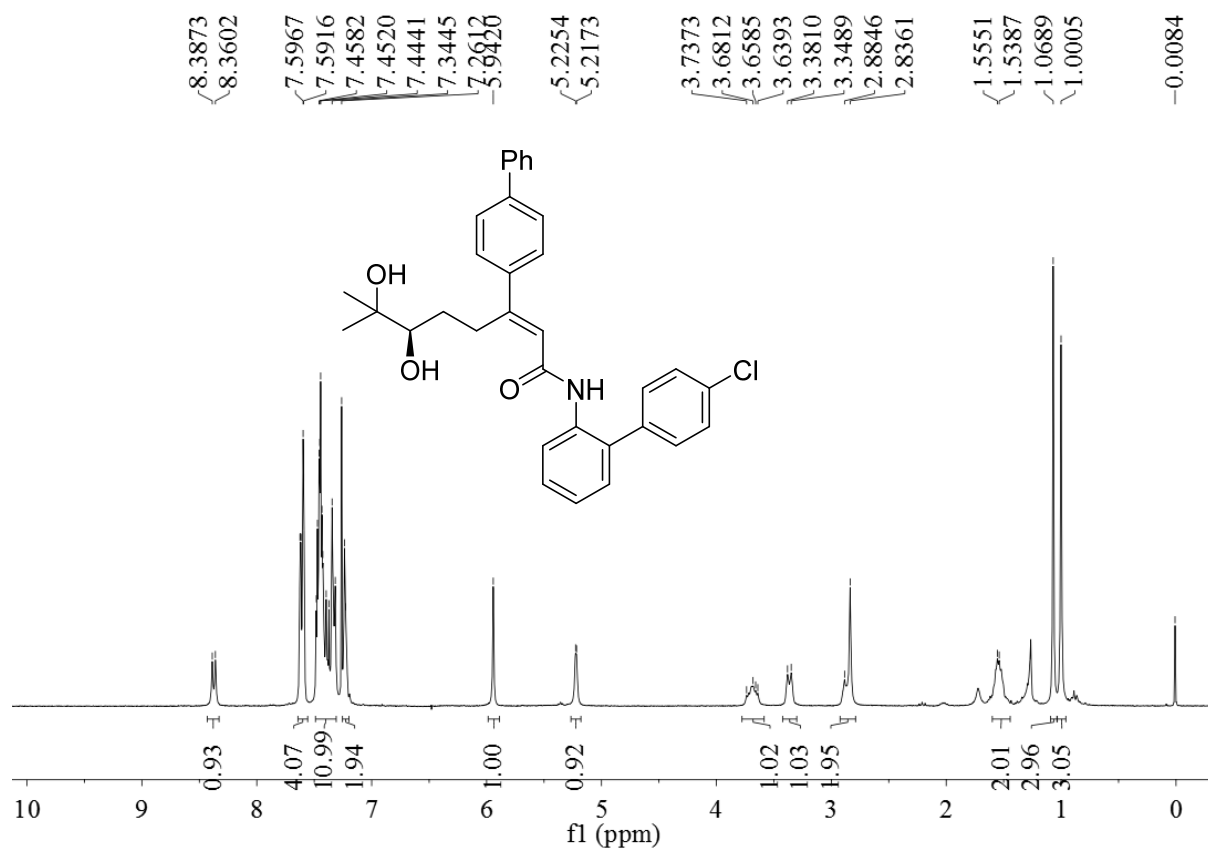


Figure S76. ¹³C NMR spectrum of (S)-11k



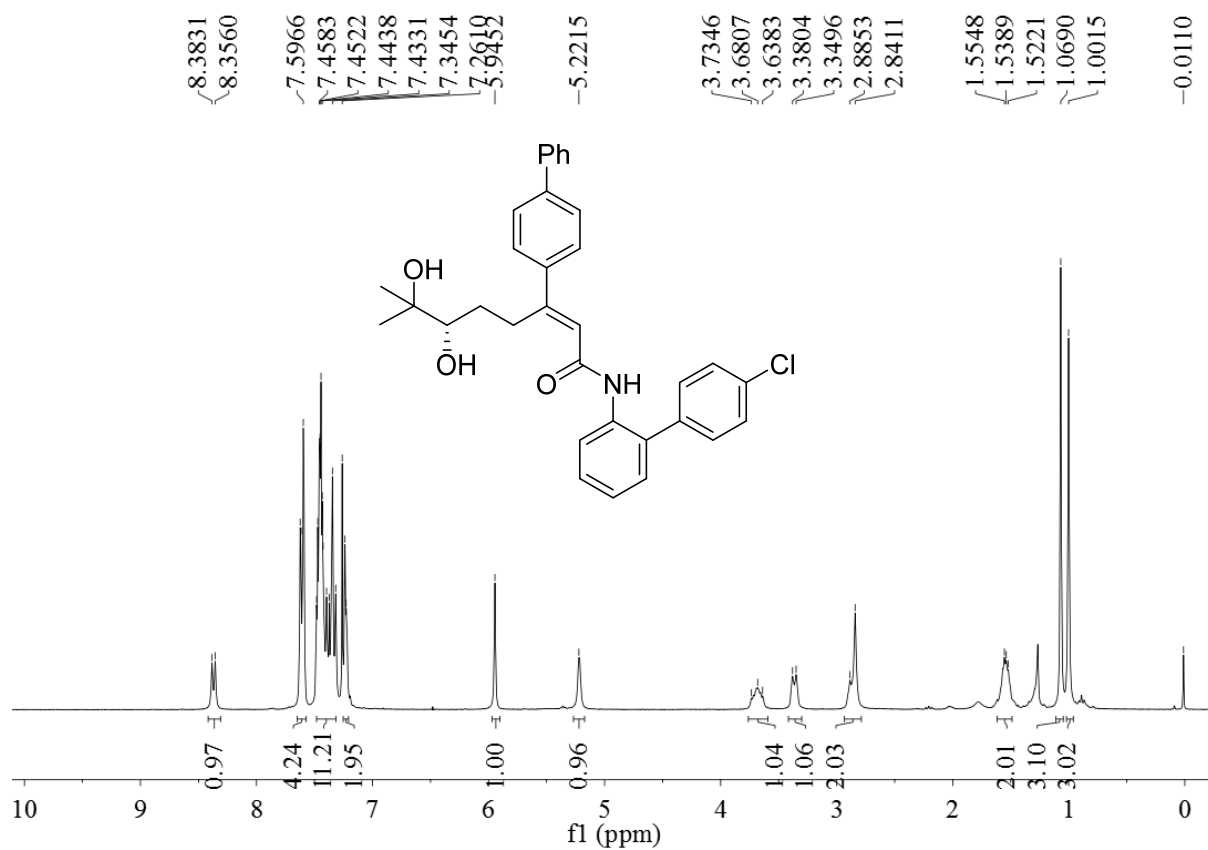


Figure S79. ¹H NMR of Compound (S)-111

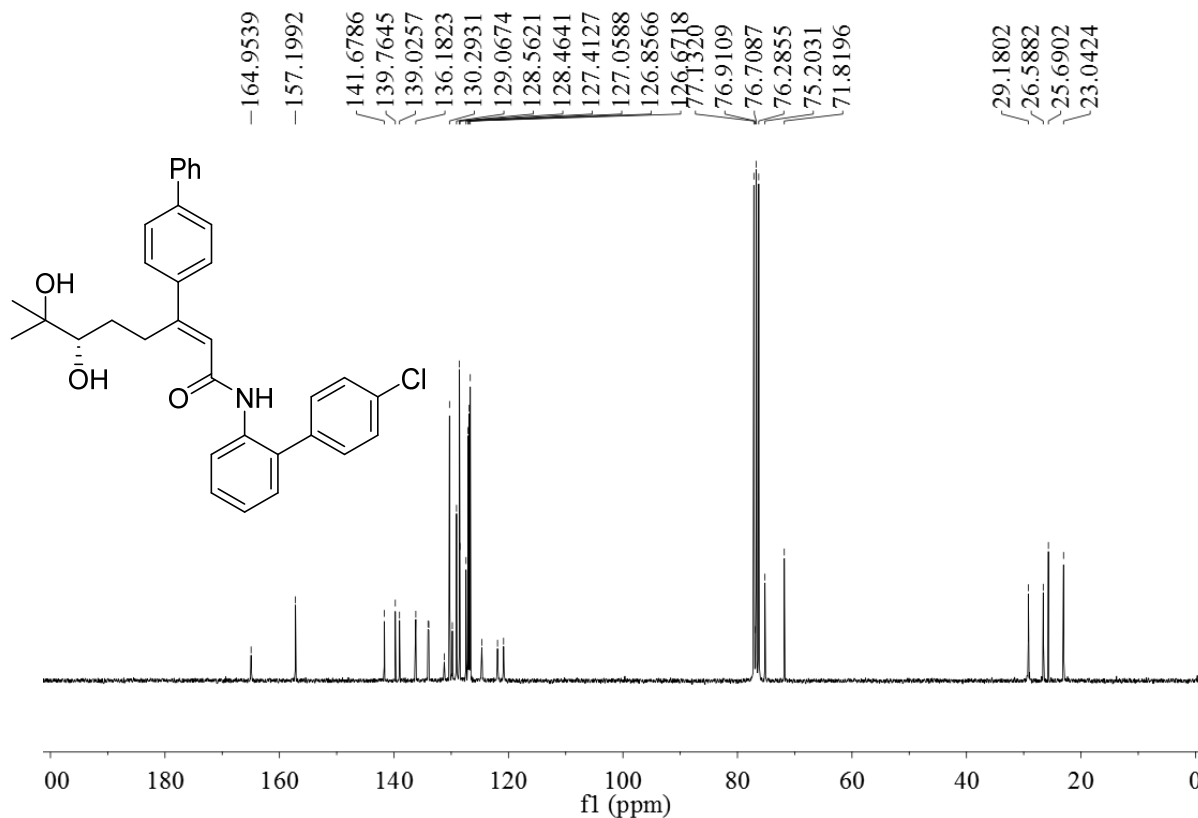


Figure S80. ¹³C NMR spectrum of (S)-111

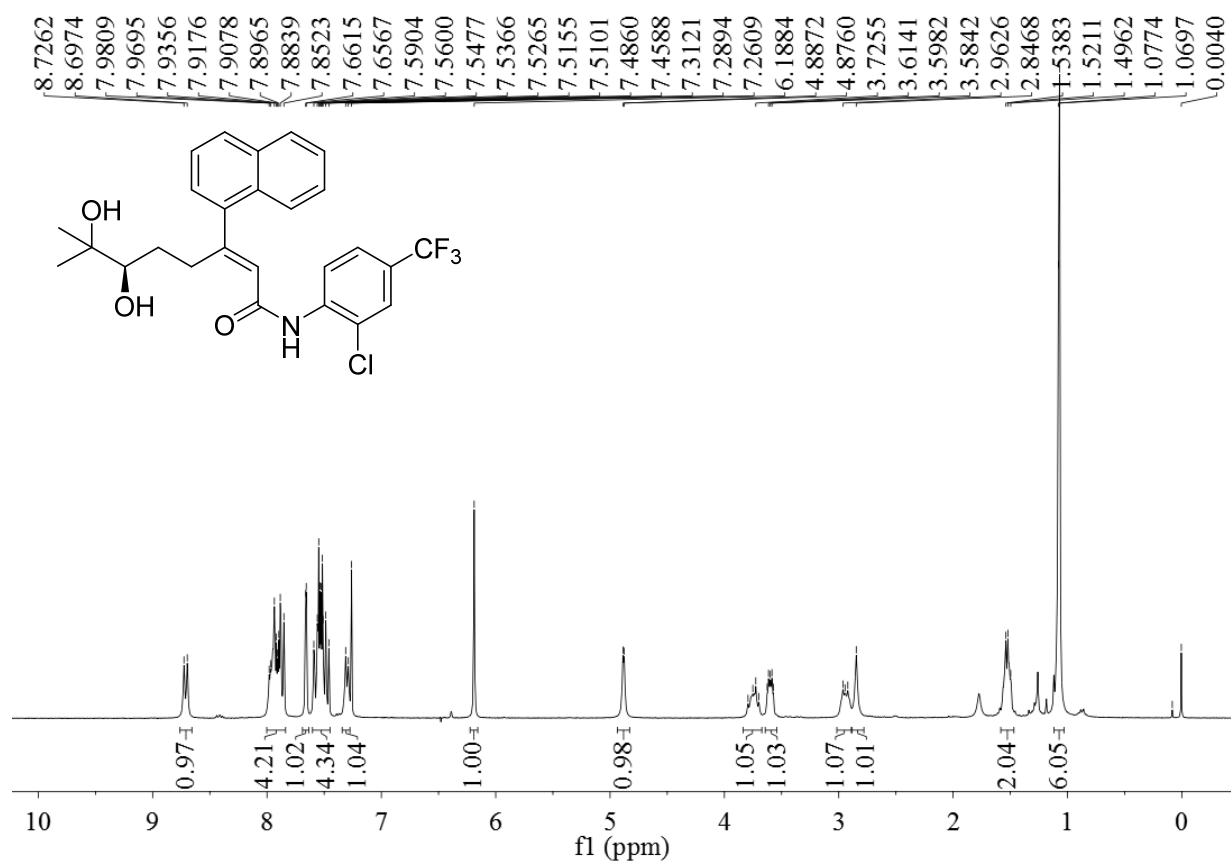


Figure S81. ¹H NMR of Compound (R)-11m

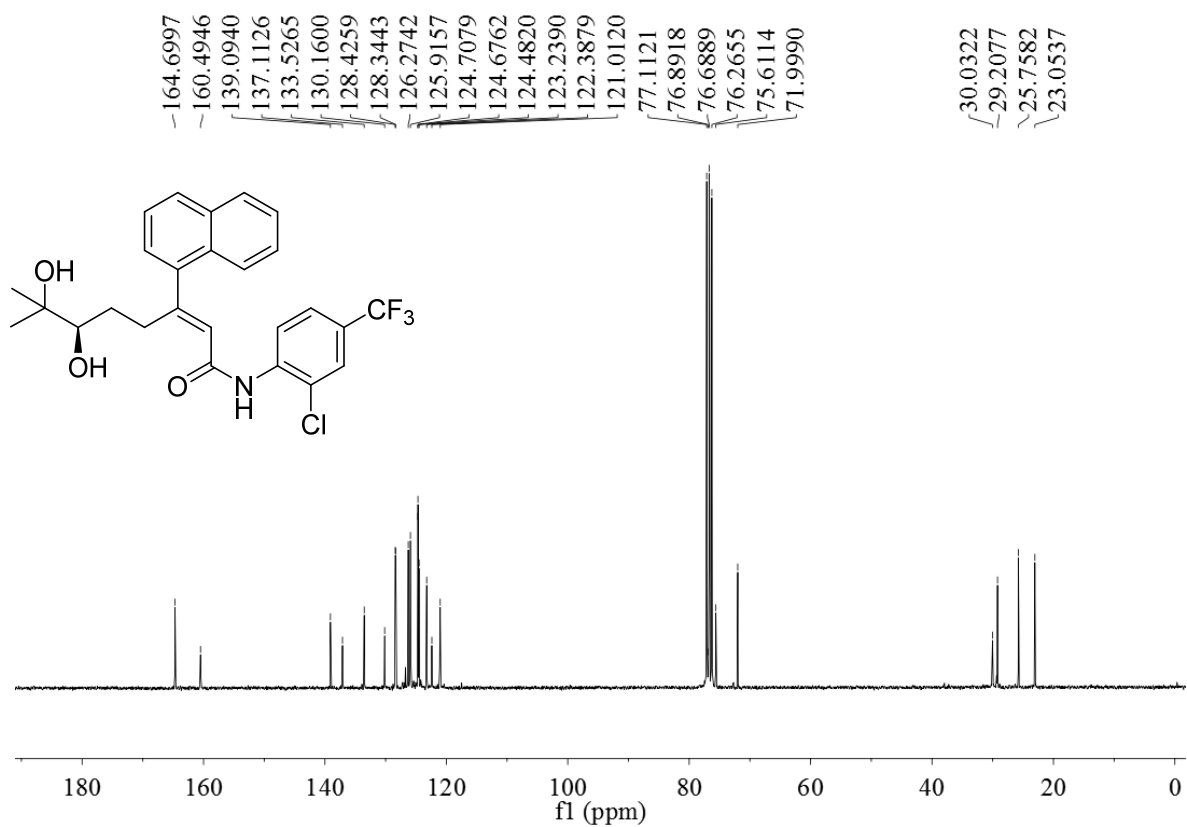


Figure S82. ¹³C NMR spectrum of (R)-11m

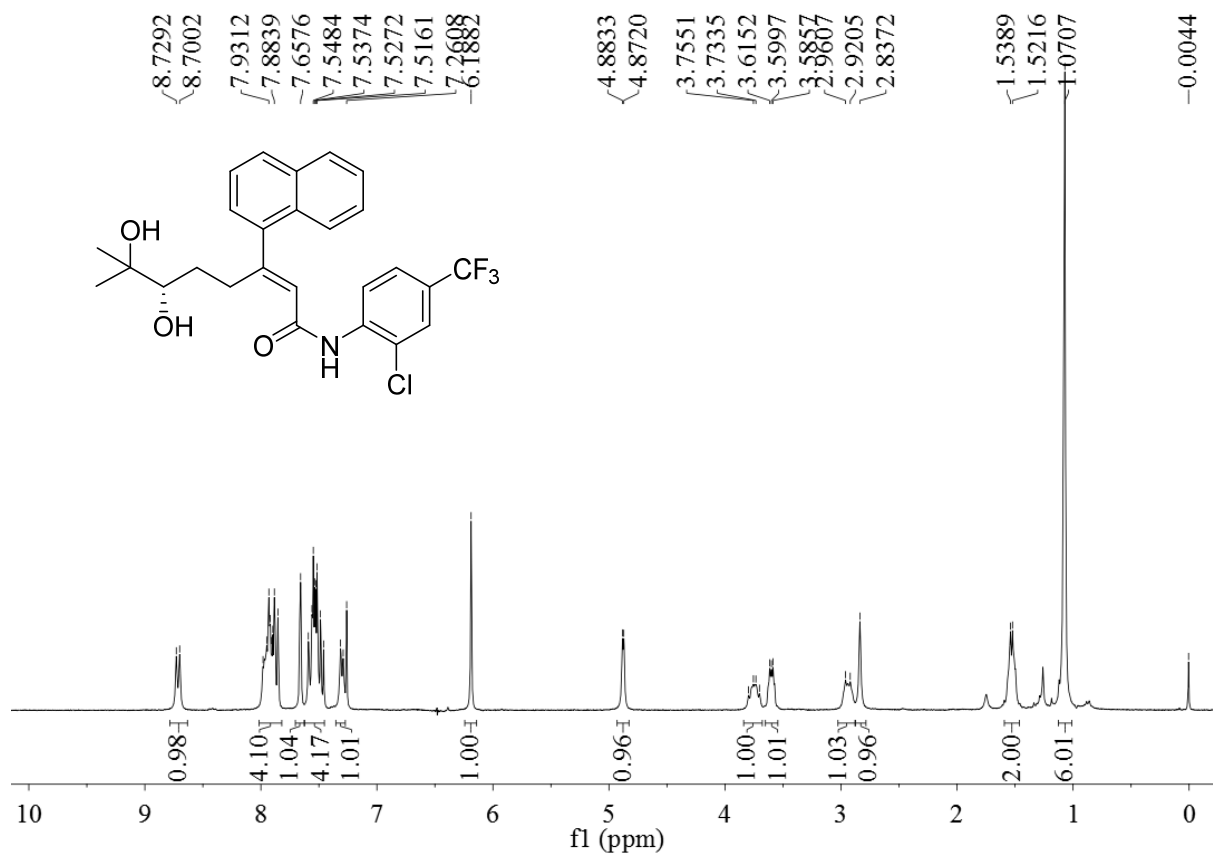


Figure S83. ¹H NMR of Compound (S)-11m

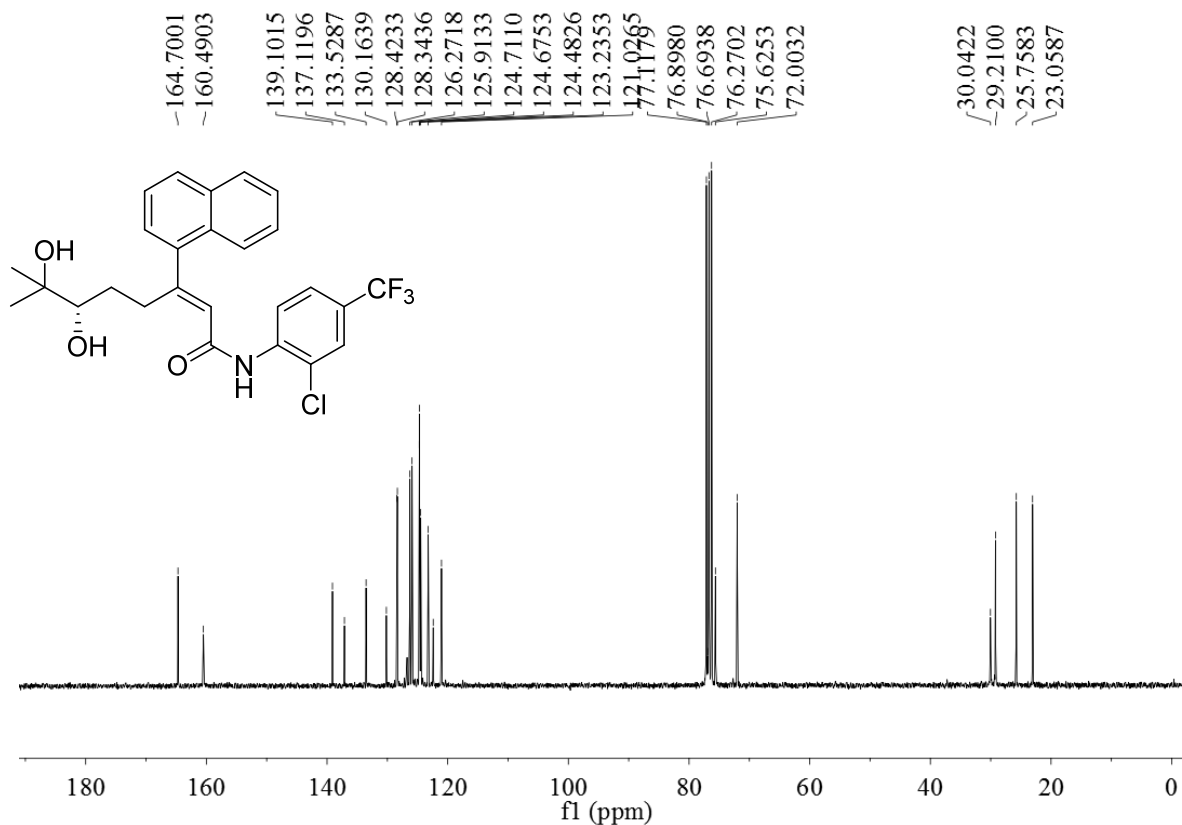


Figure S84. ¹³C NMR spectrum of (S)-11m

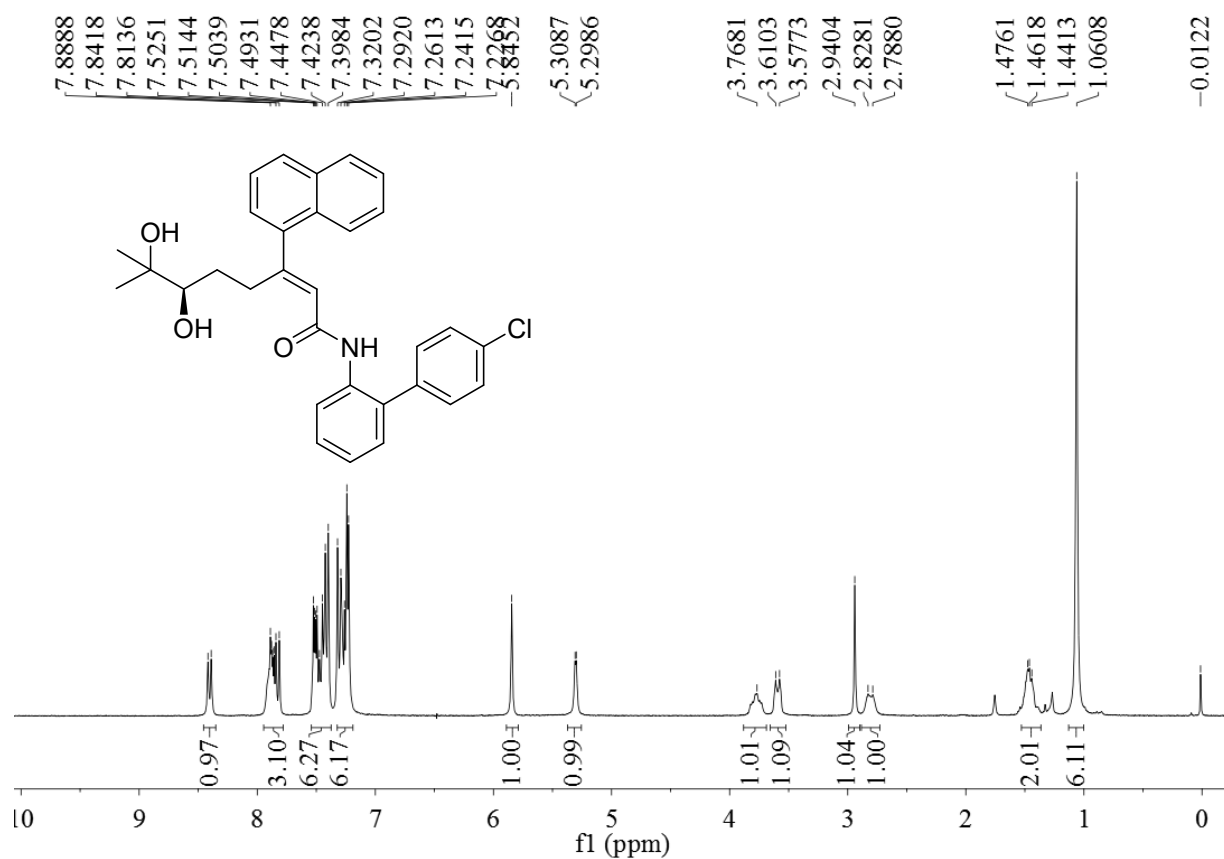


Figure S85. ¹H NMR of Compound (R)-11n

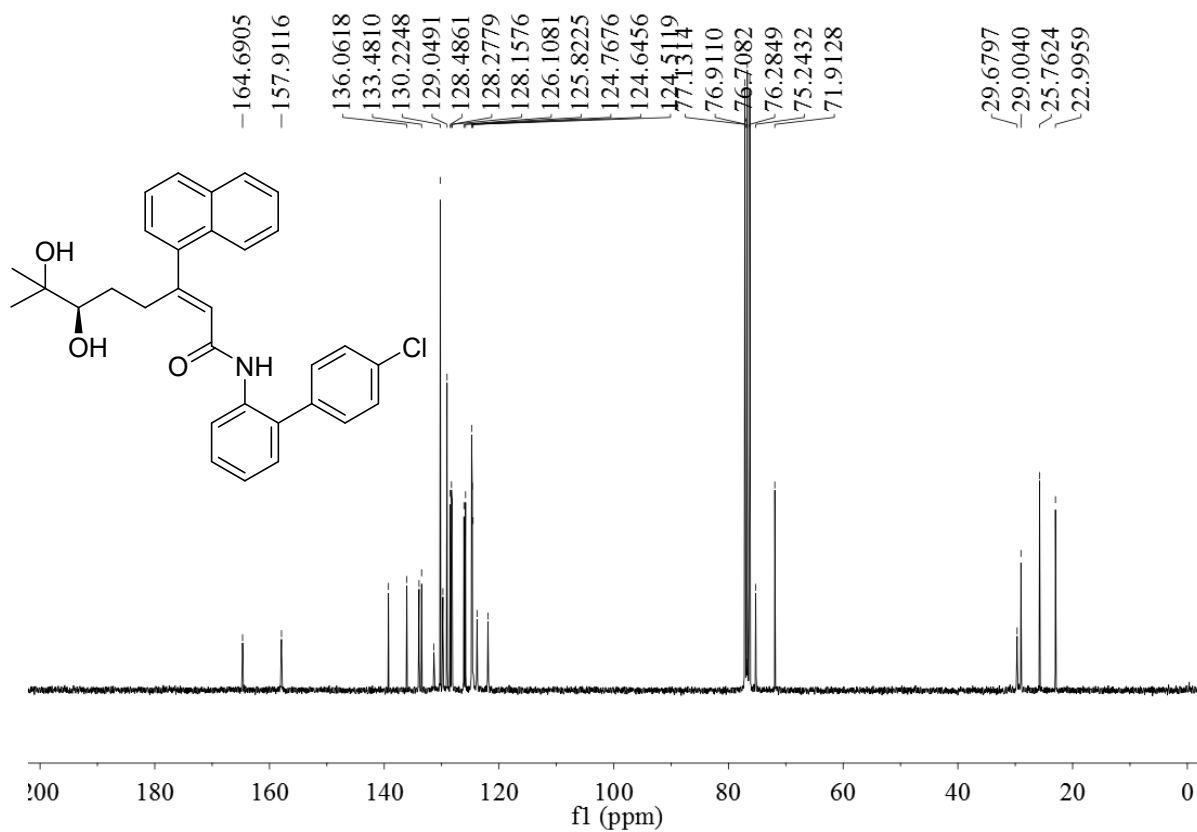


Figure S86. ¹³C NMR spectrum of (R)-11n

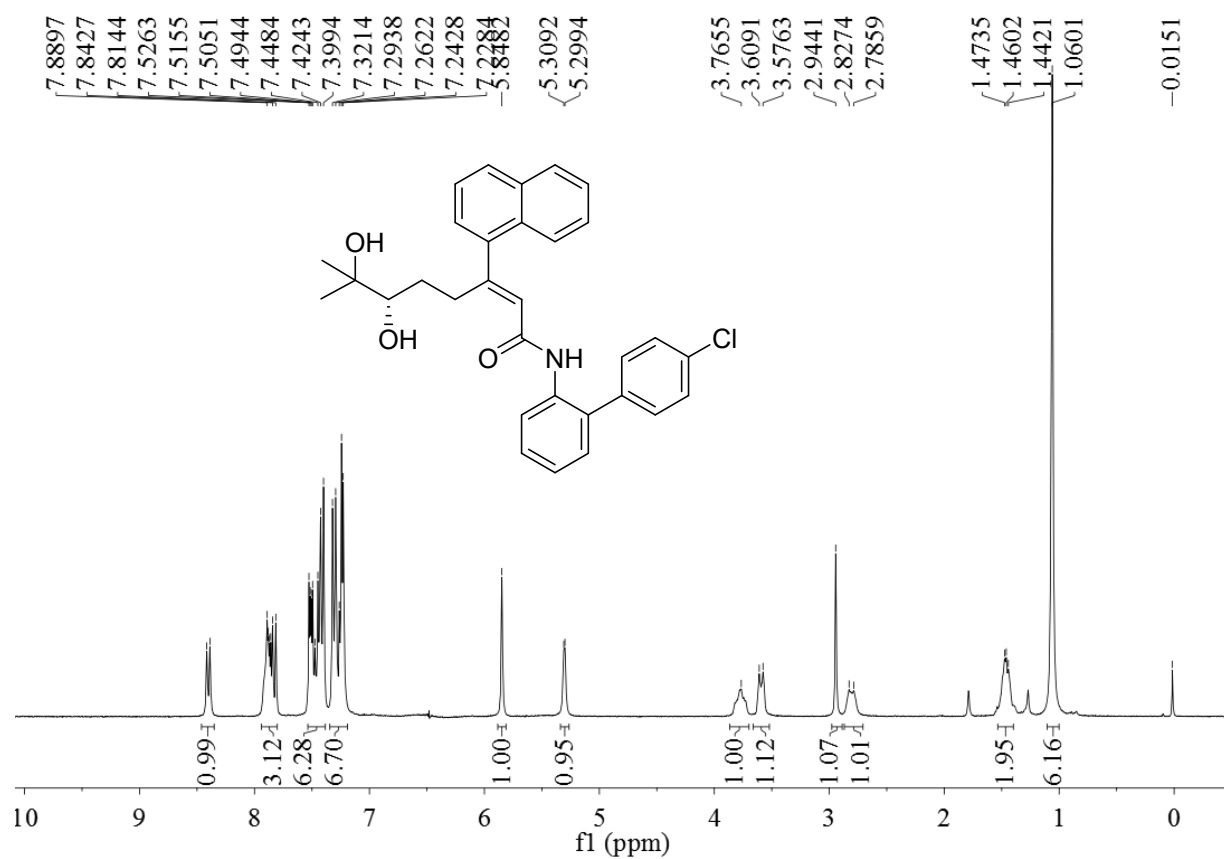


Figure S87. ¹H NMR of Compound (S)-11n

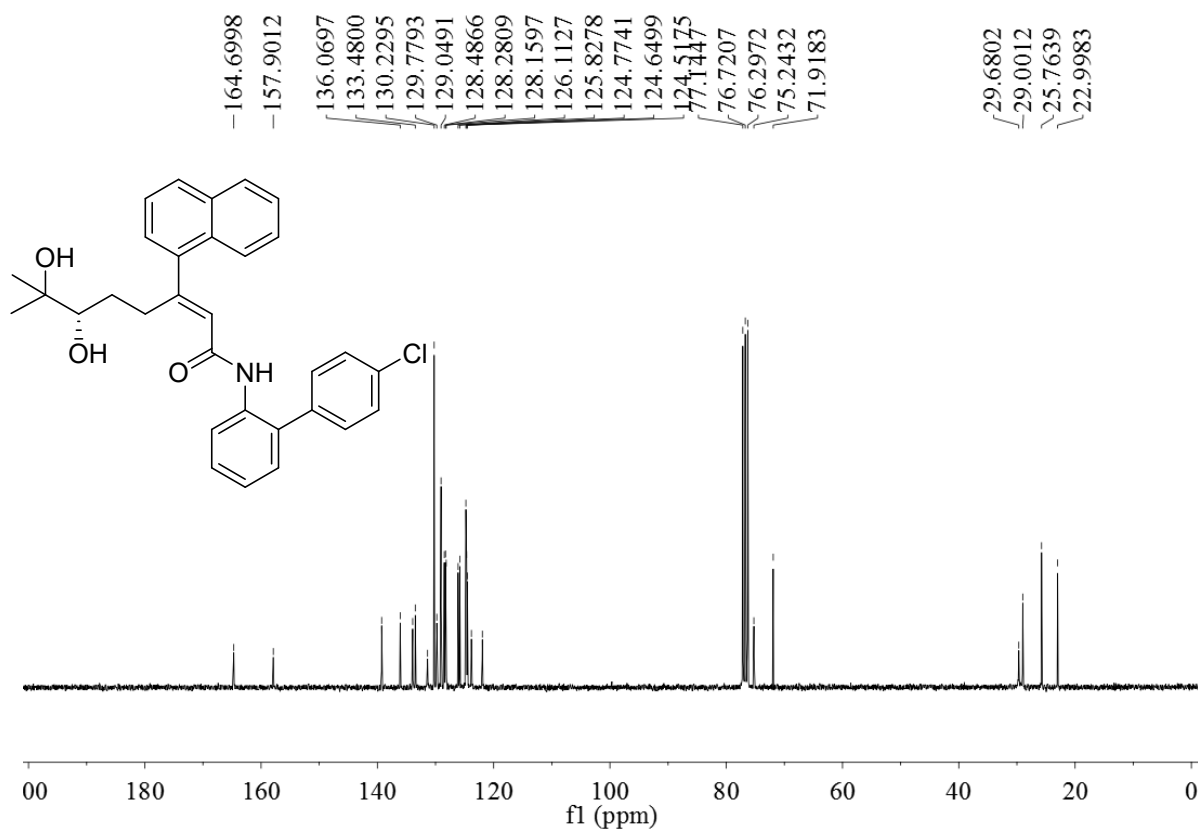


Figure S88. ¹³C NMR spectrum of (S)-11n

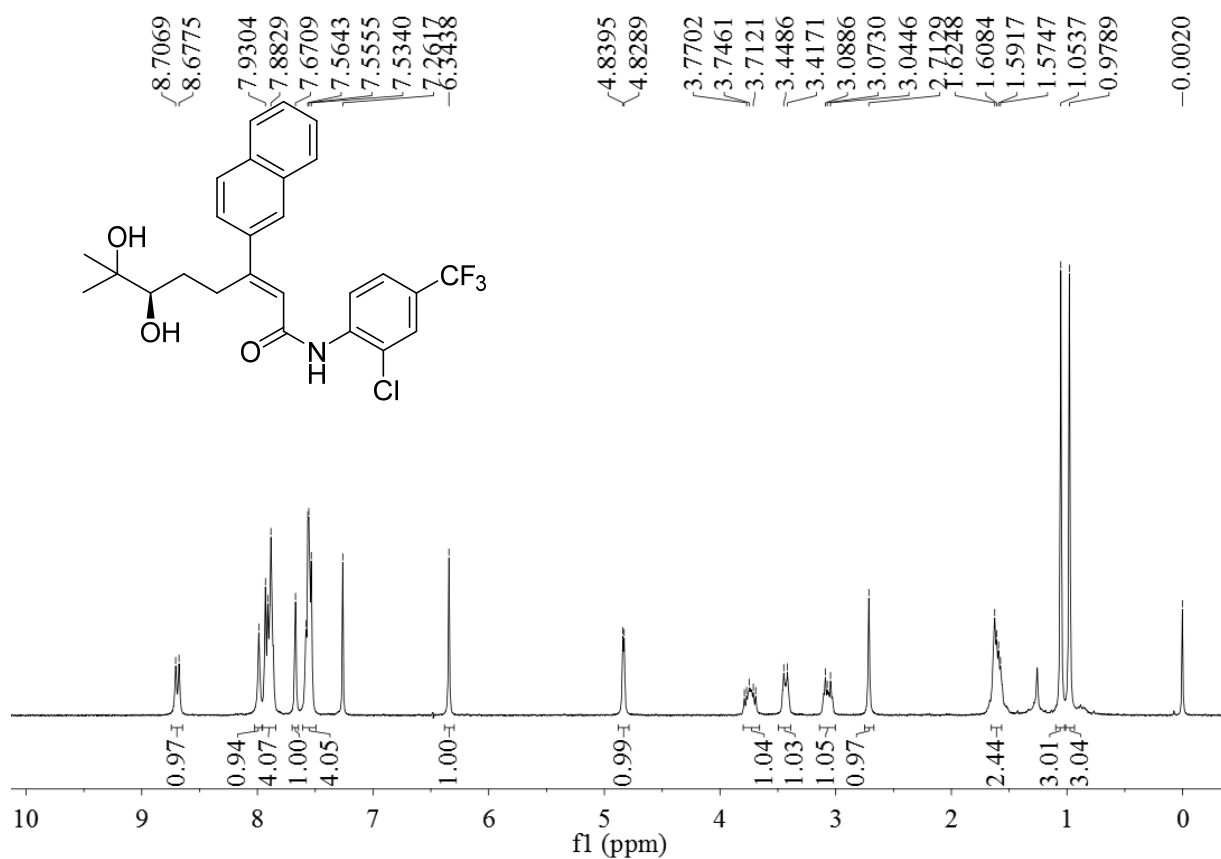


Figure S89. ¹H NMR of Compound (R)-11o

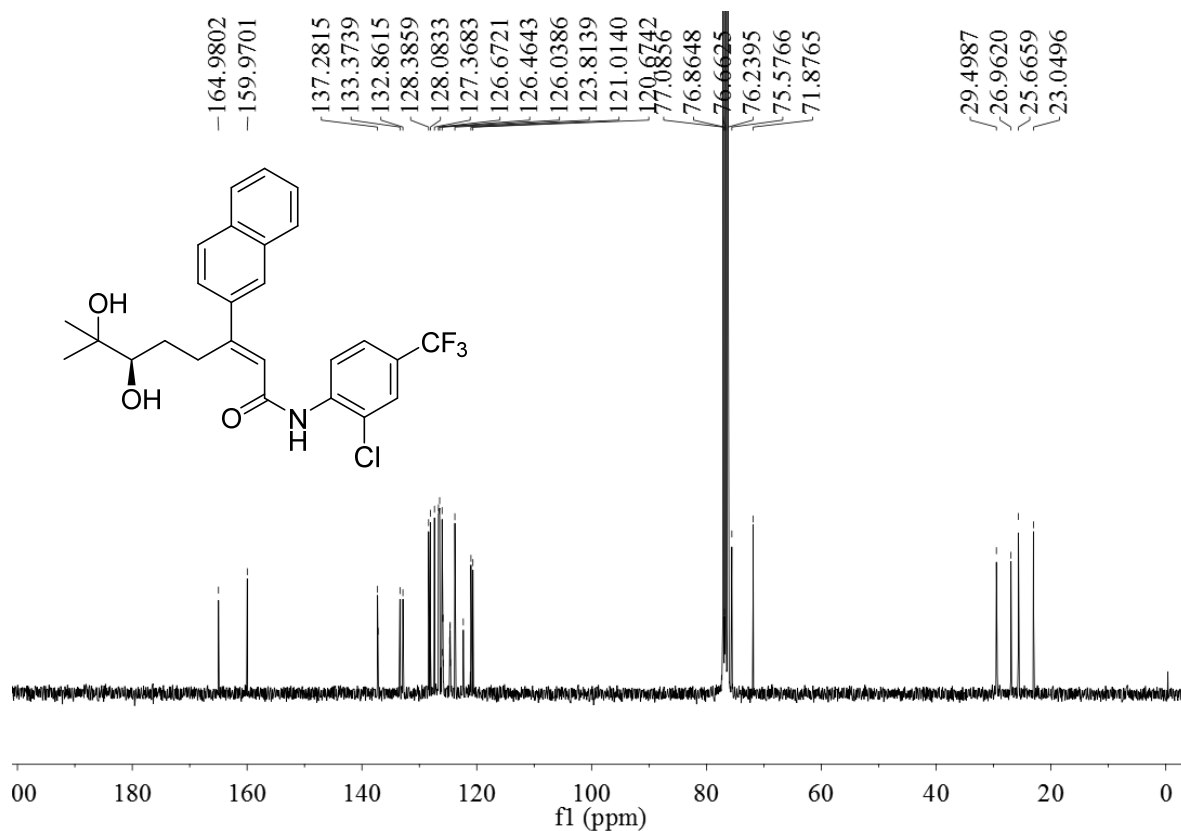


Figure S90. ¹³C NMR spectrum of (R)-11o

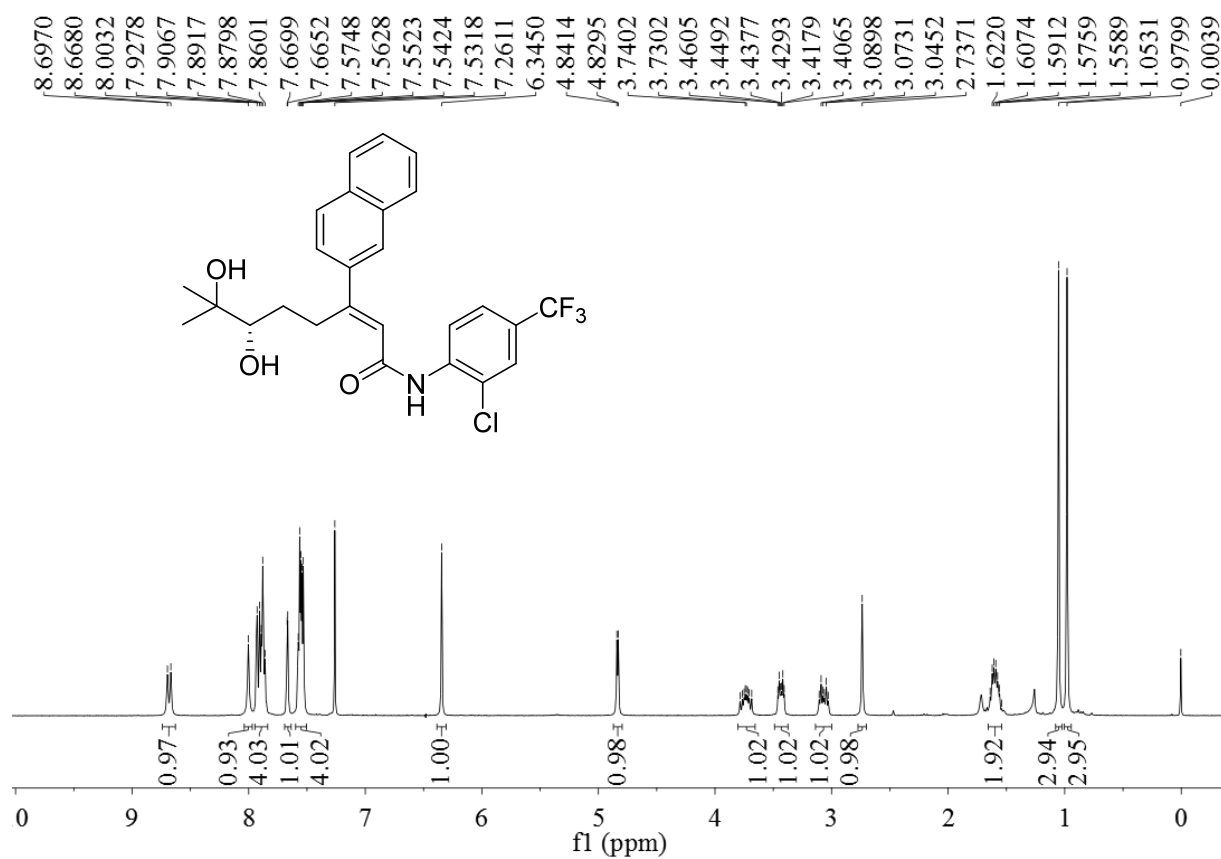


Figure S91. ¹H NMR of Compound (S)-11o

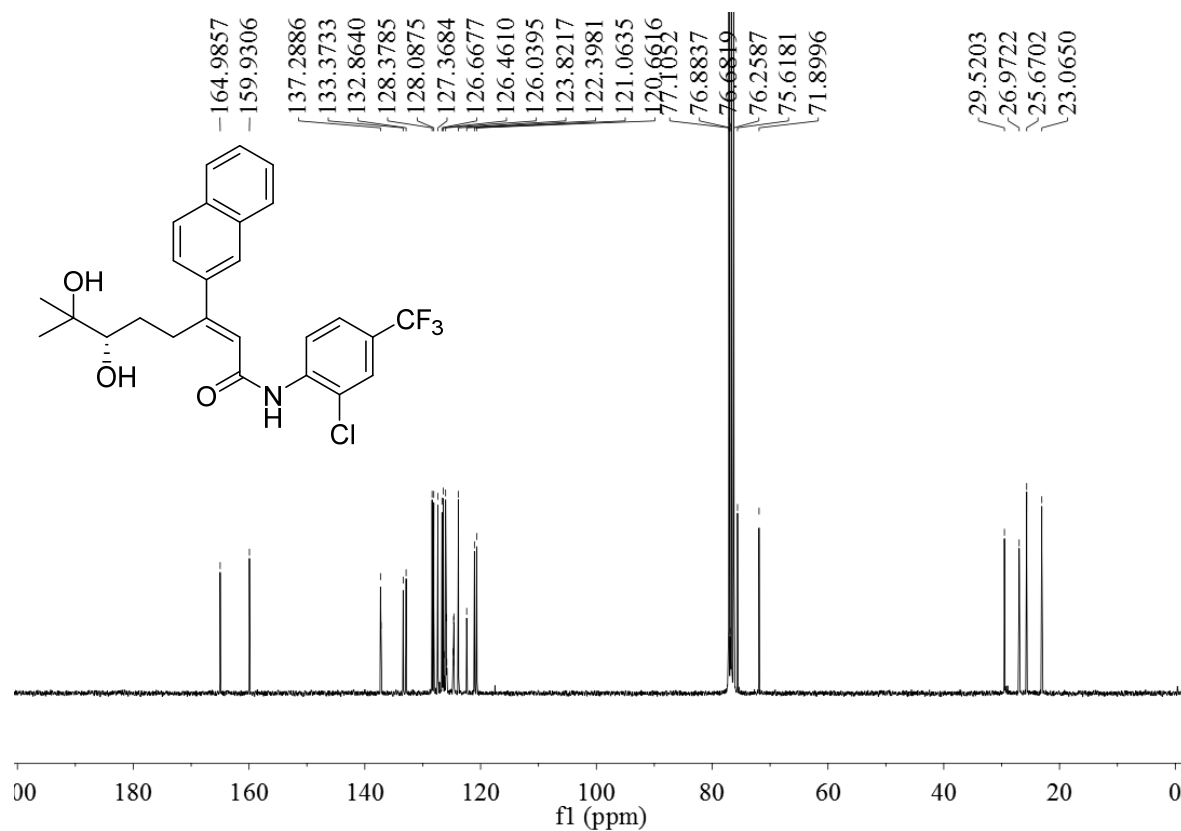
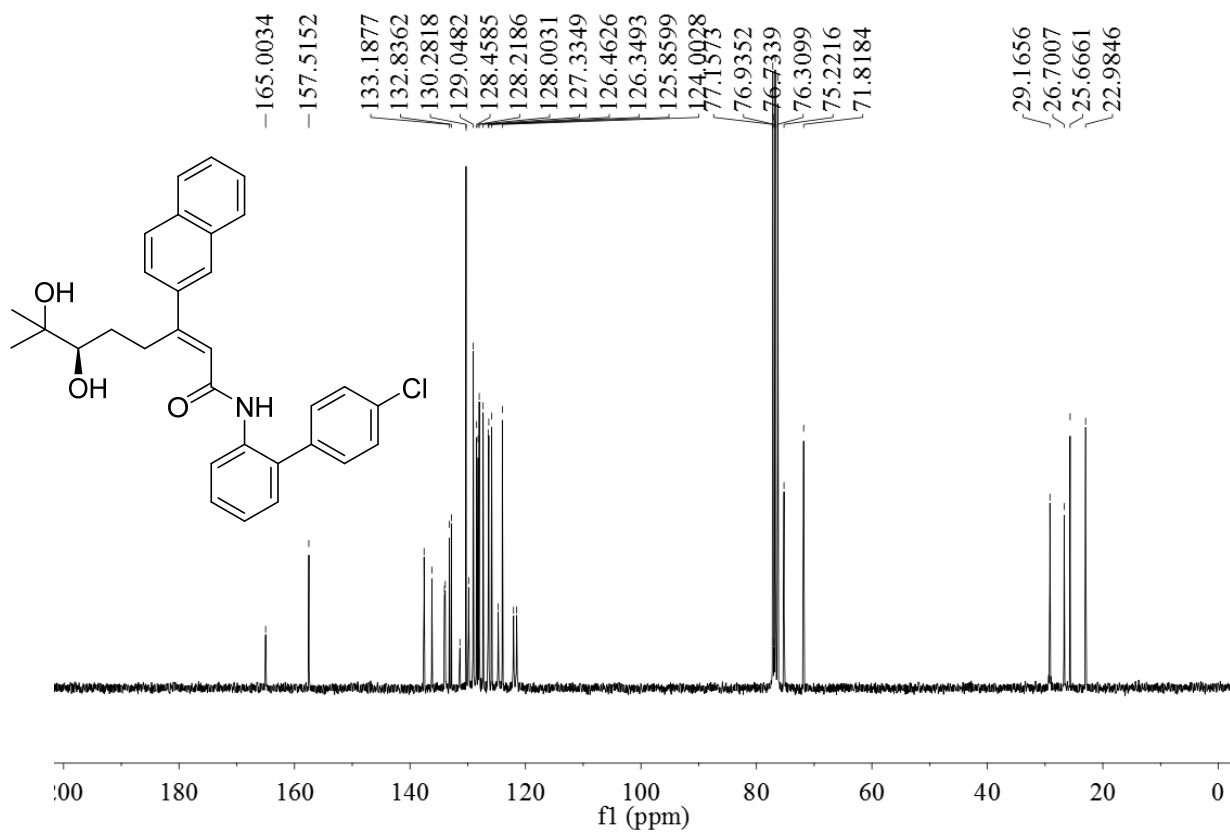
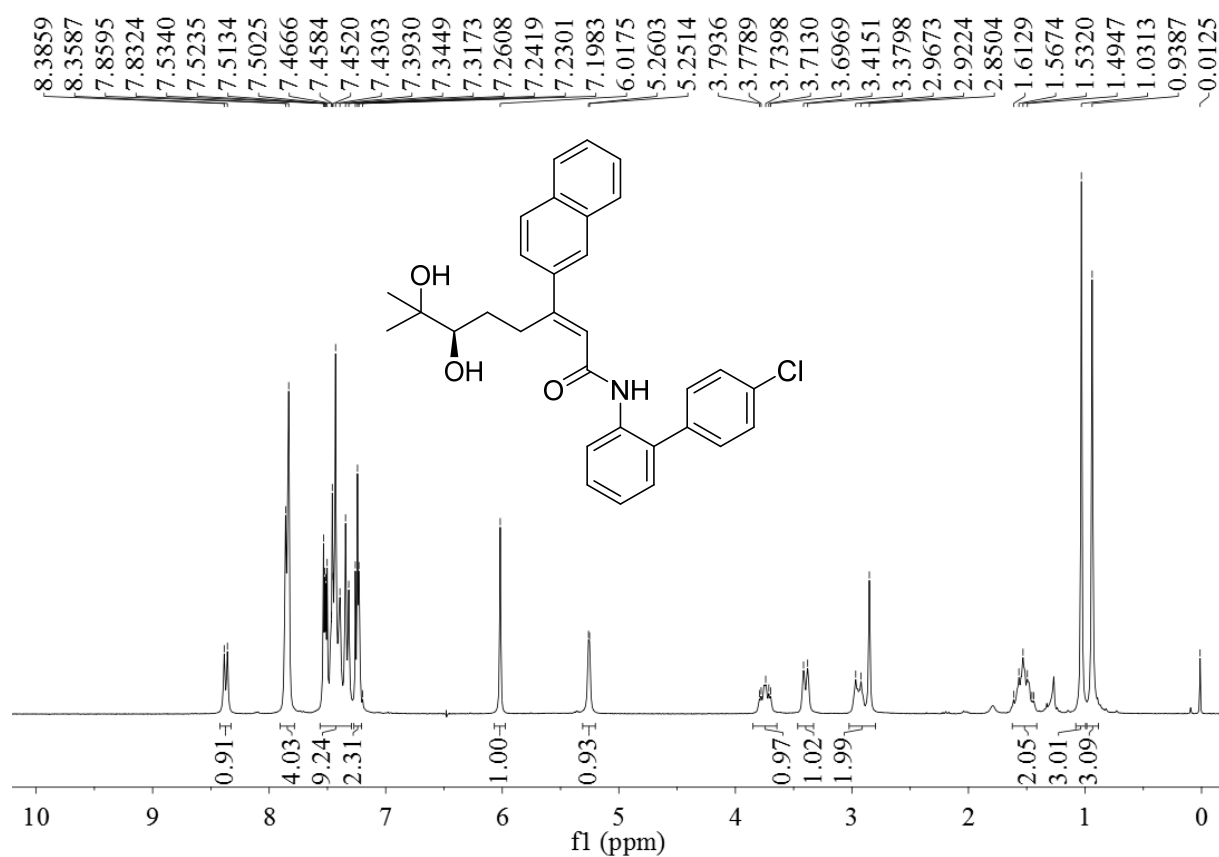


Figure S92. ¹³C NMR spectrum of (S)-11o



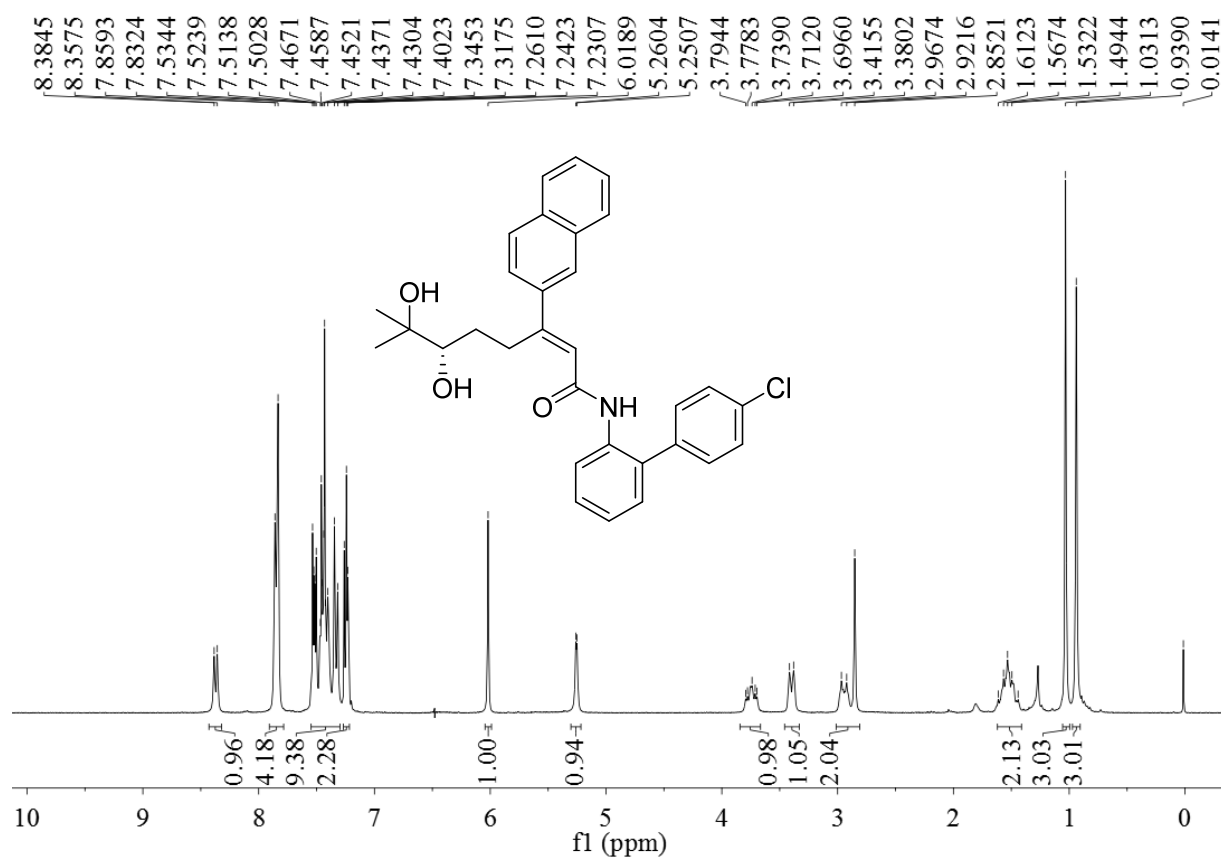


Figure S95. ¹H NMR of Compound (S)-11p

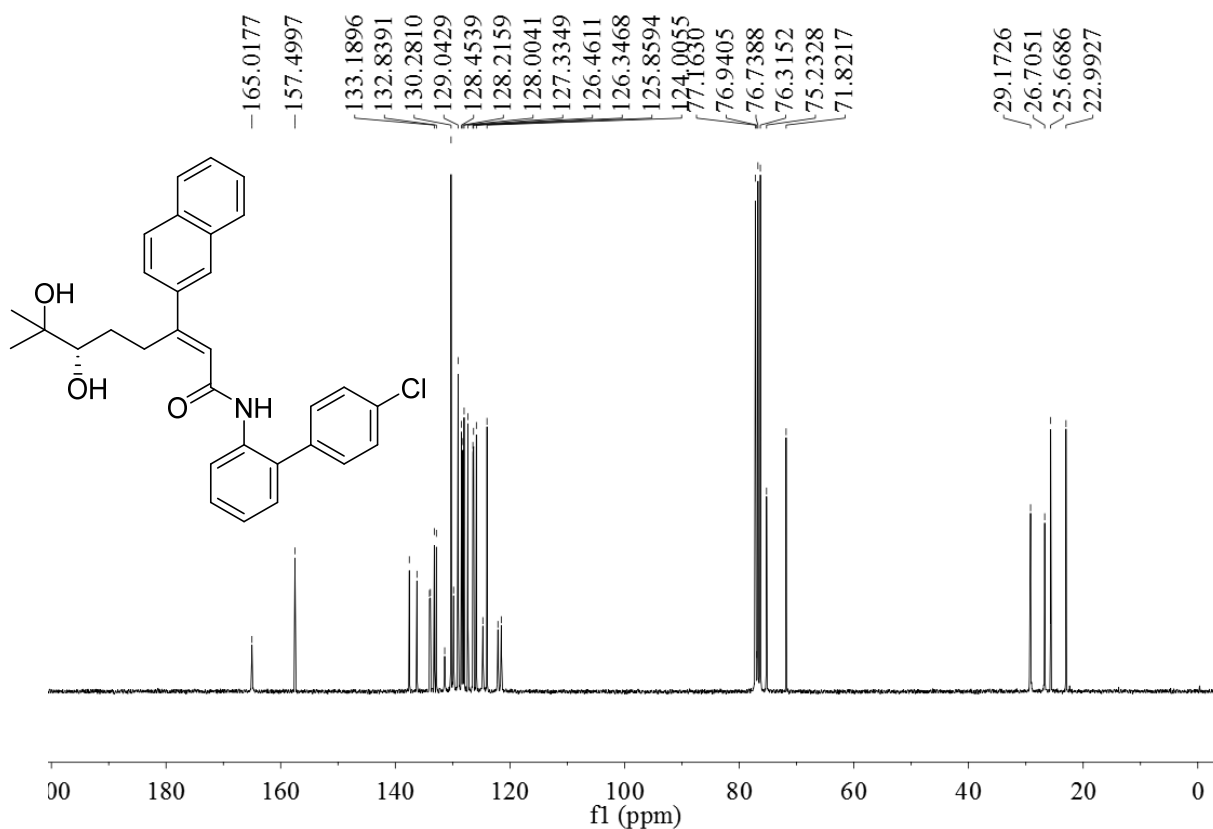


Figure S96. ¹³C NMR spectrum of (S)-11p

2. HPLC profiles of 5 representative compounds

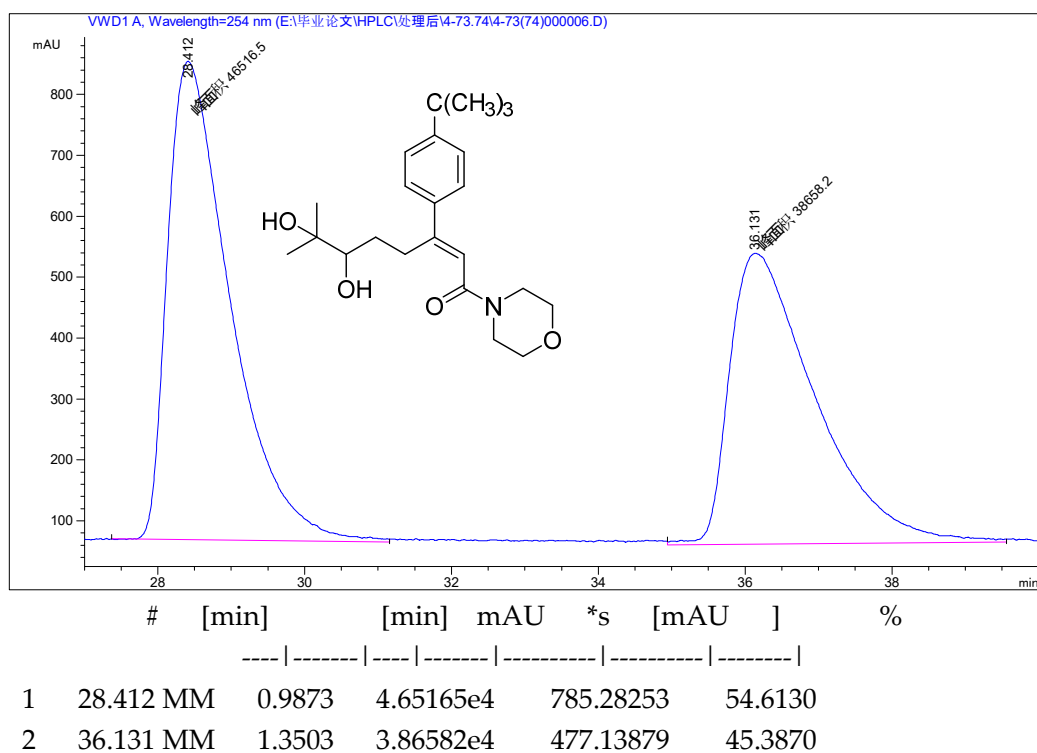


Figure S97. HPLC profile of racemic 11a

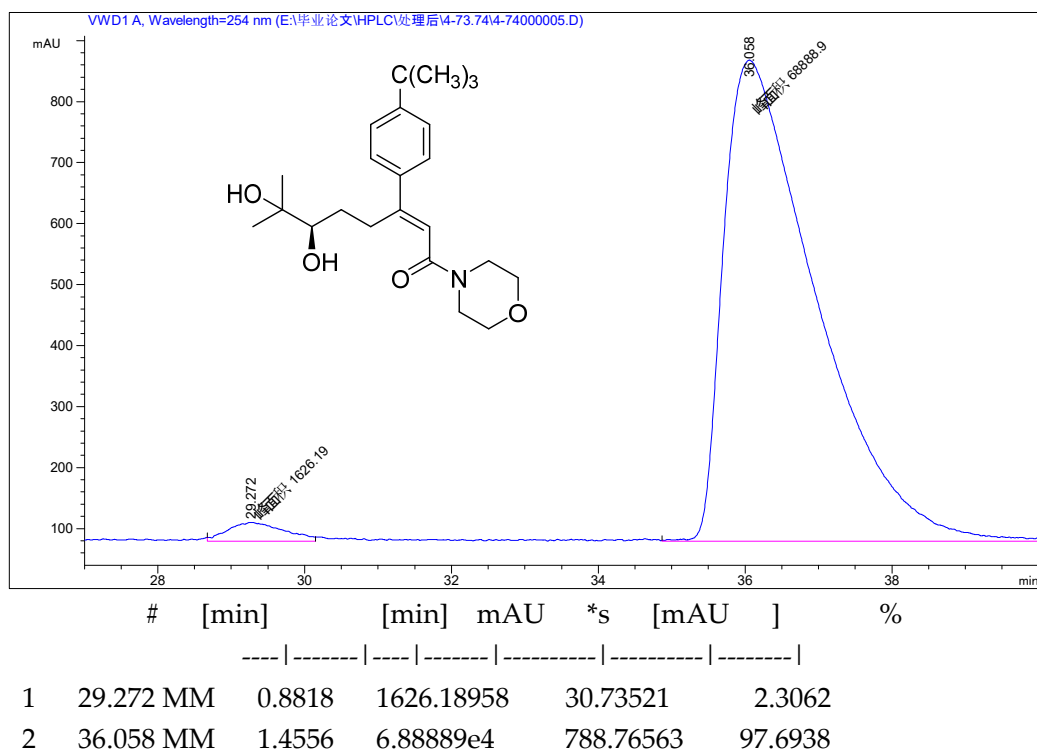


Figure S98. HPLC profile of (R)-11a

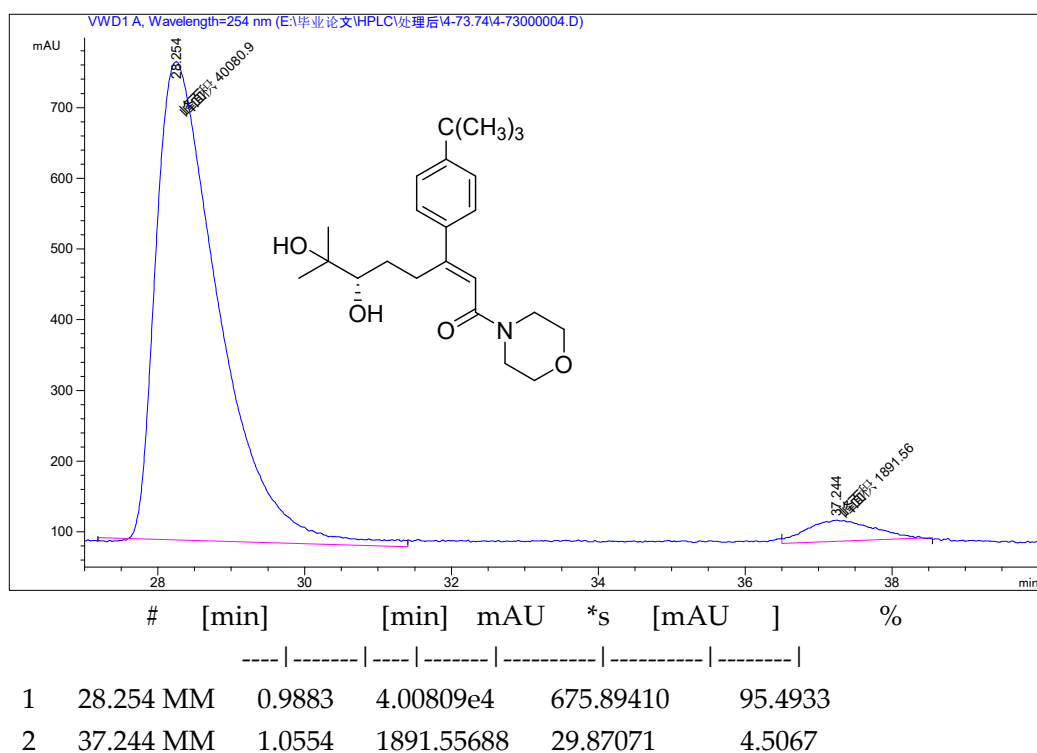


Figure S99. HPLC profile of (S)-11a

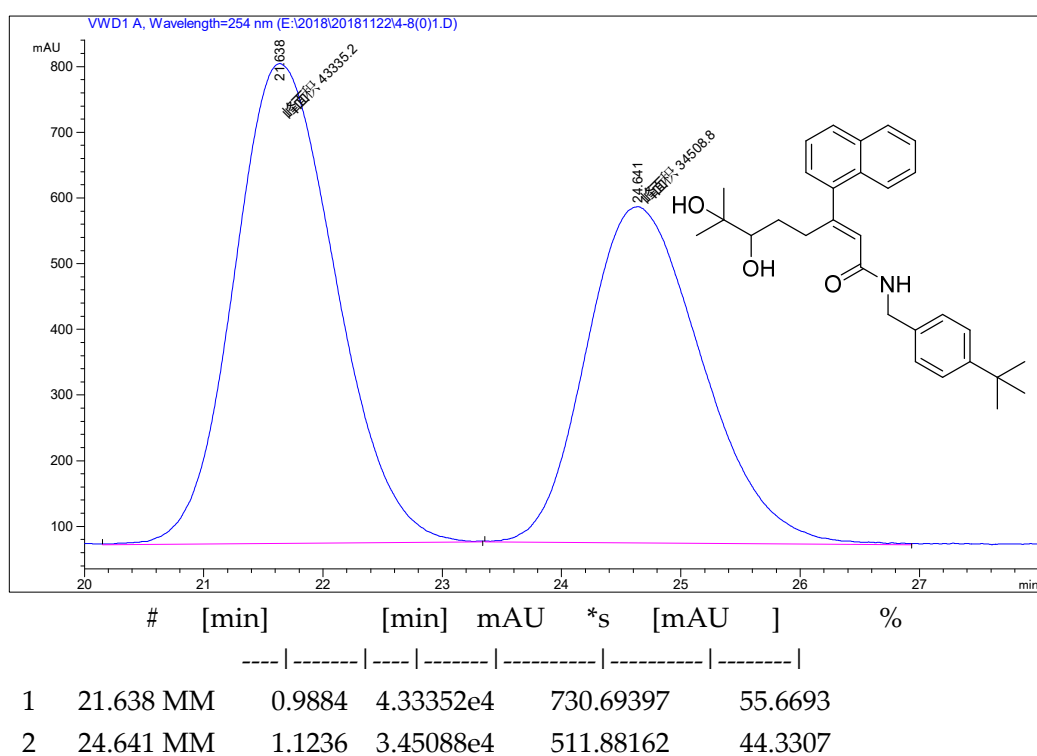


Figure S100. HPLC profile of racemic 11f

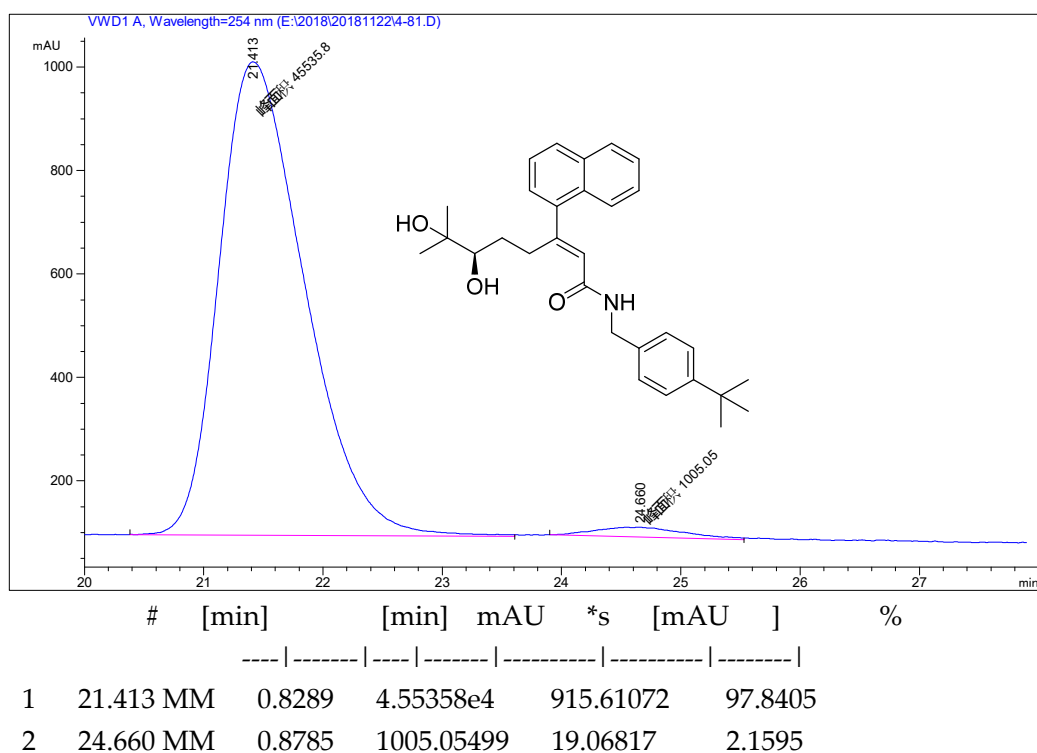


Figure S101. HPLC profile of (R)-11f

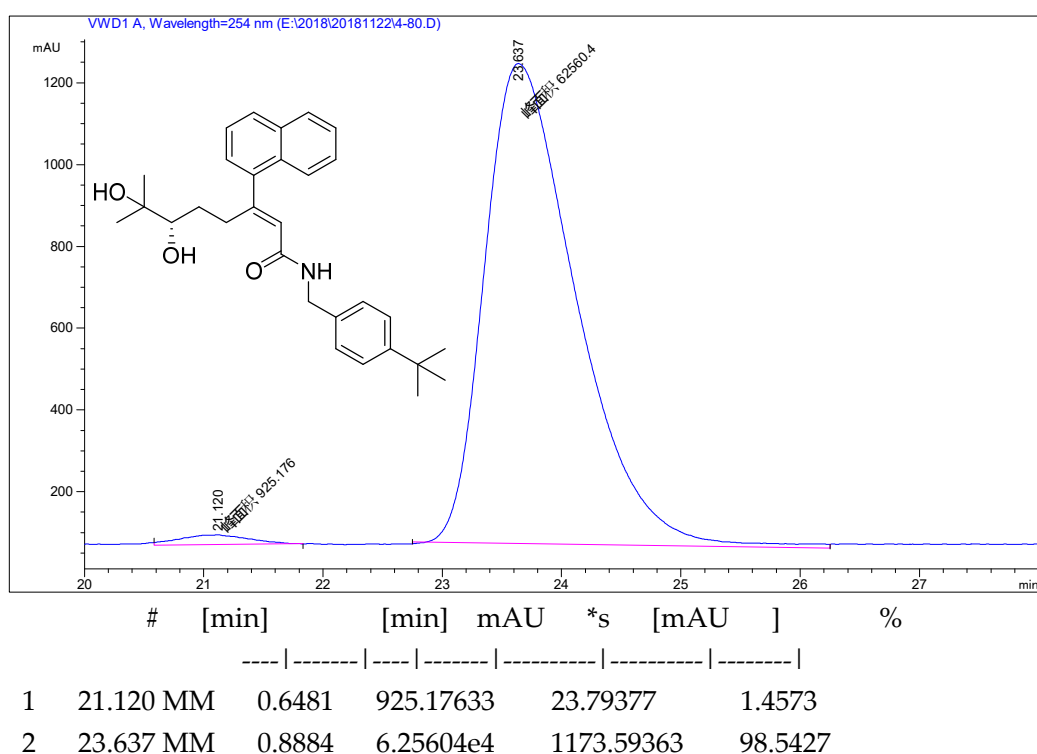


Figure S102. HPLC profile of (S)-11f

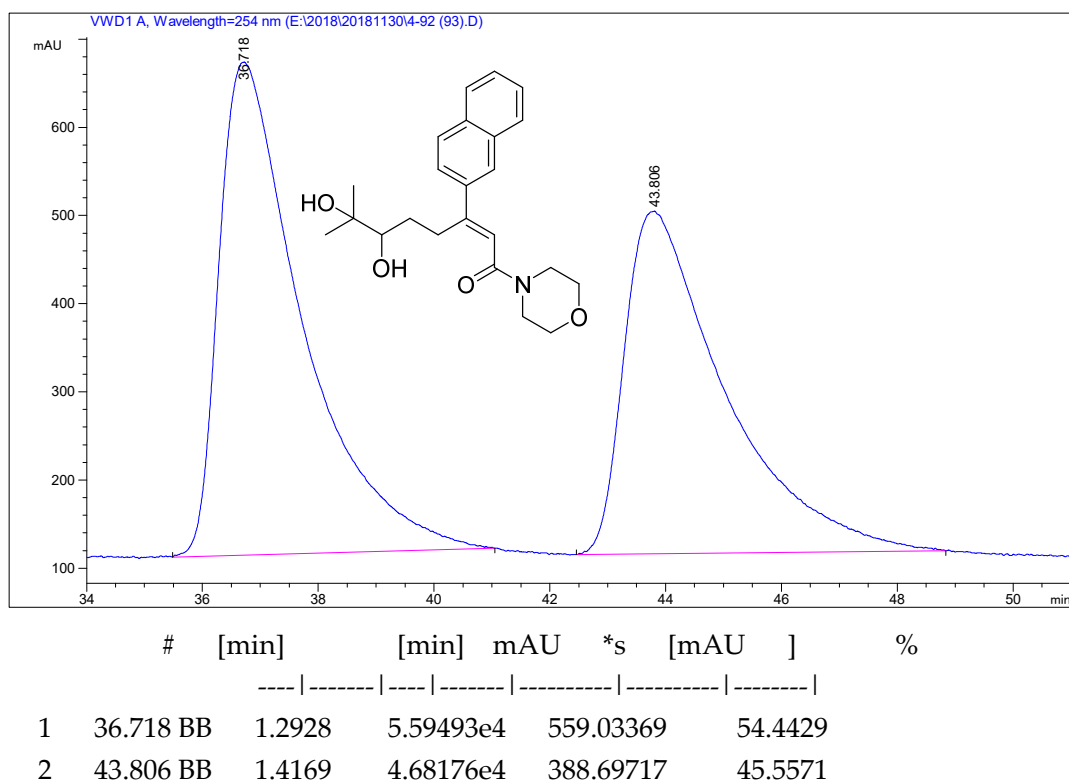


Figure S103. HPLC profile of racemic **11g**

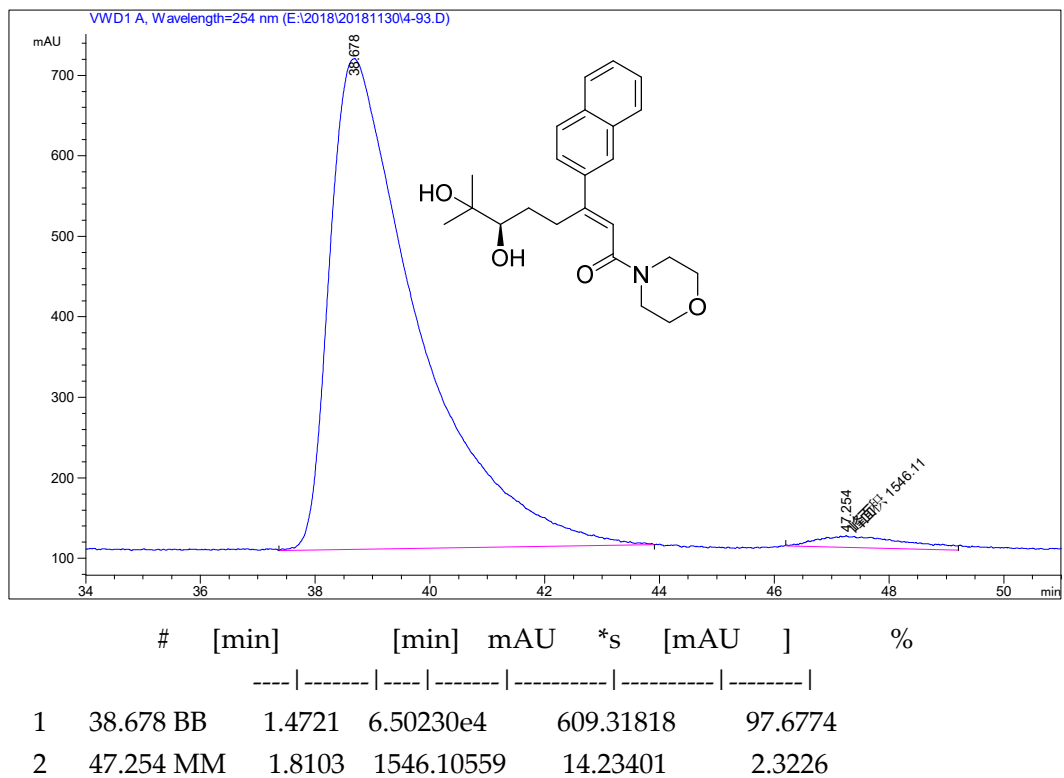


Figure S104. HPLC profile of (*R*)-**11g**

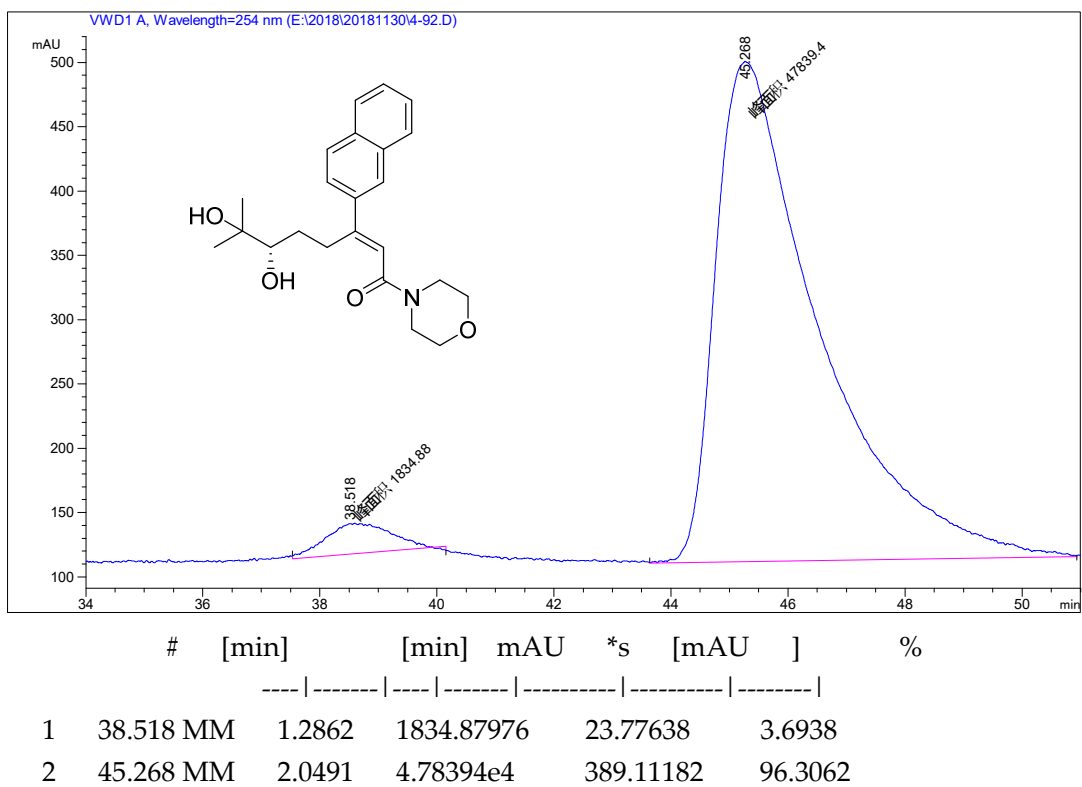


Figure S105. HPLC profile of (S)-11g

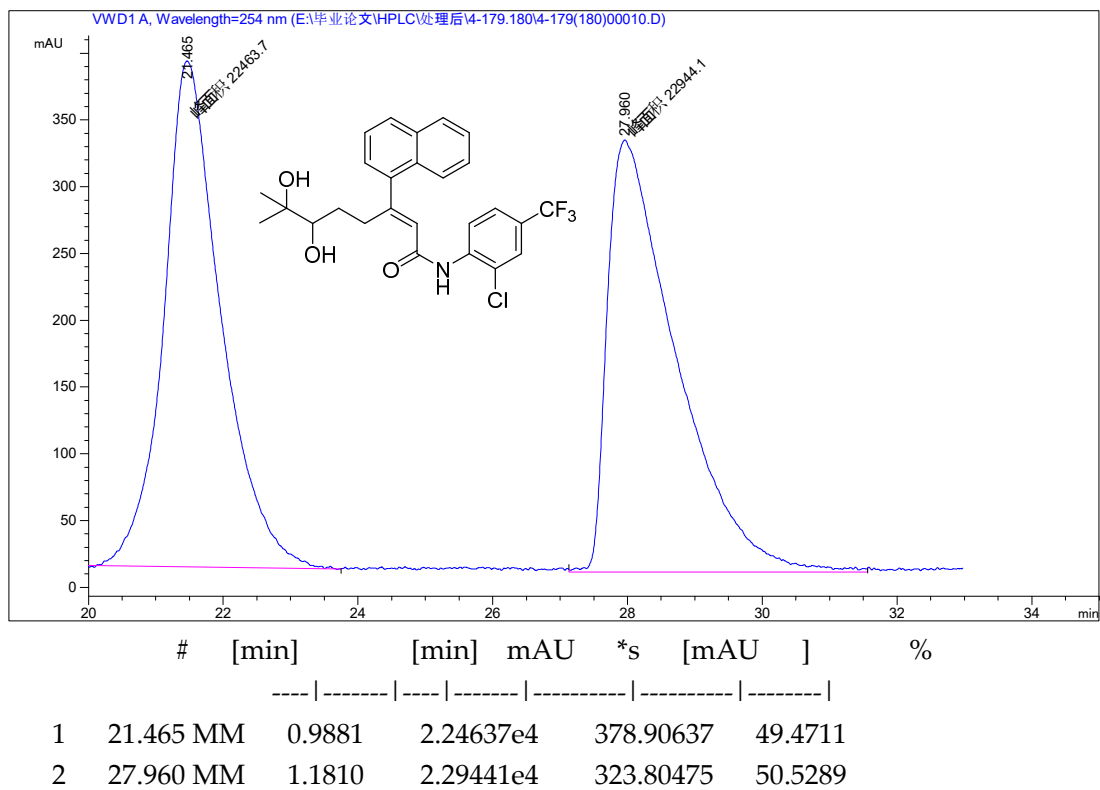
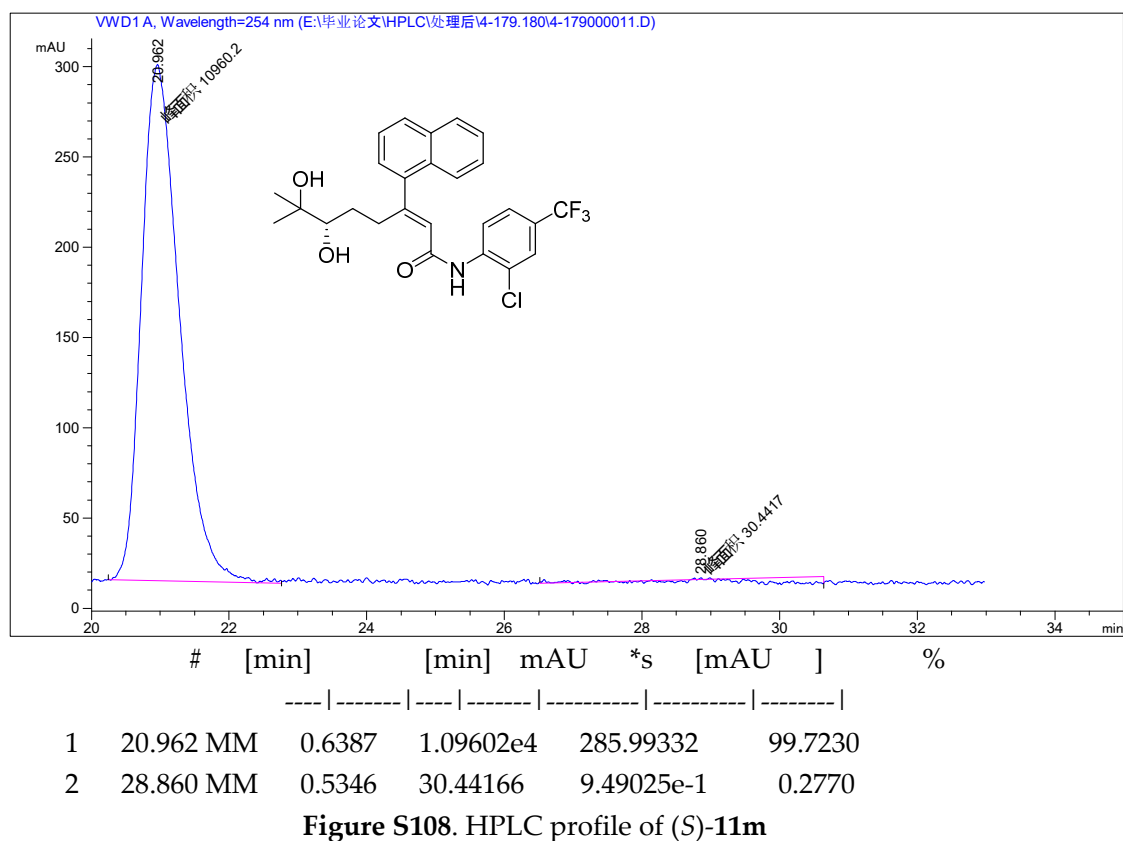
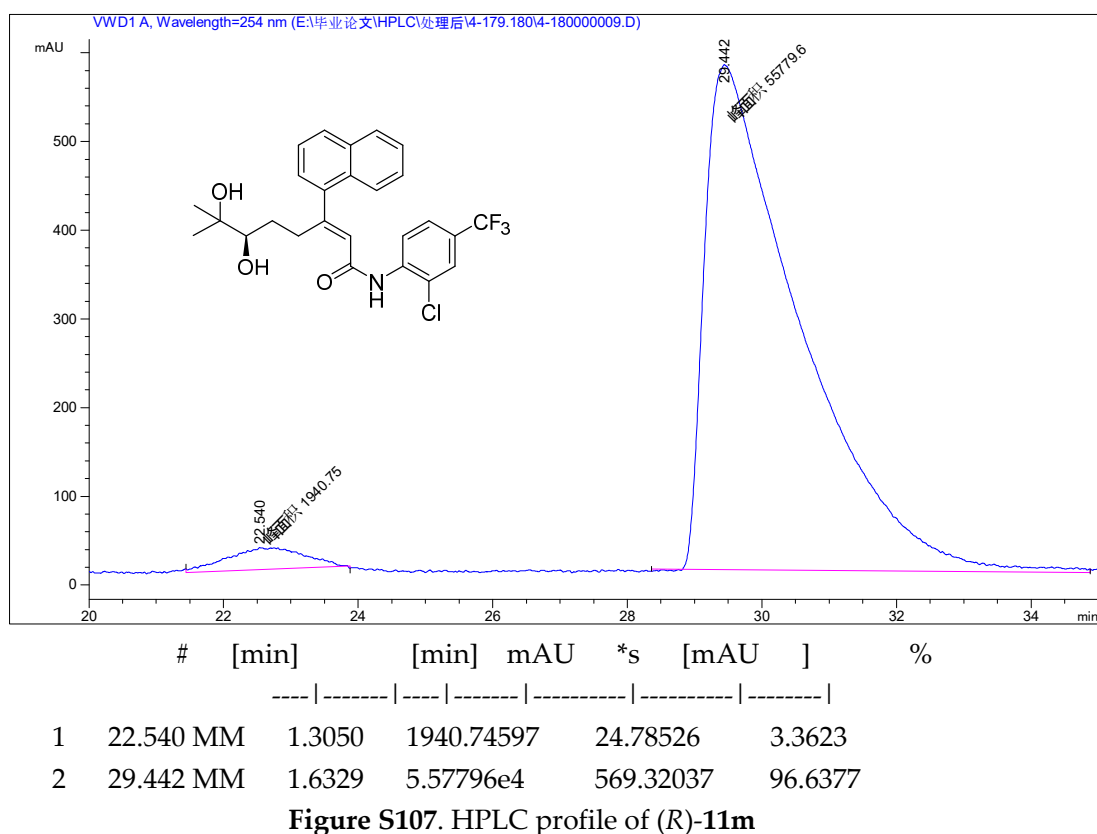


Figure S106. HPLC profile of racemic 11m



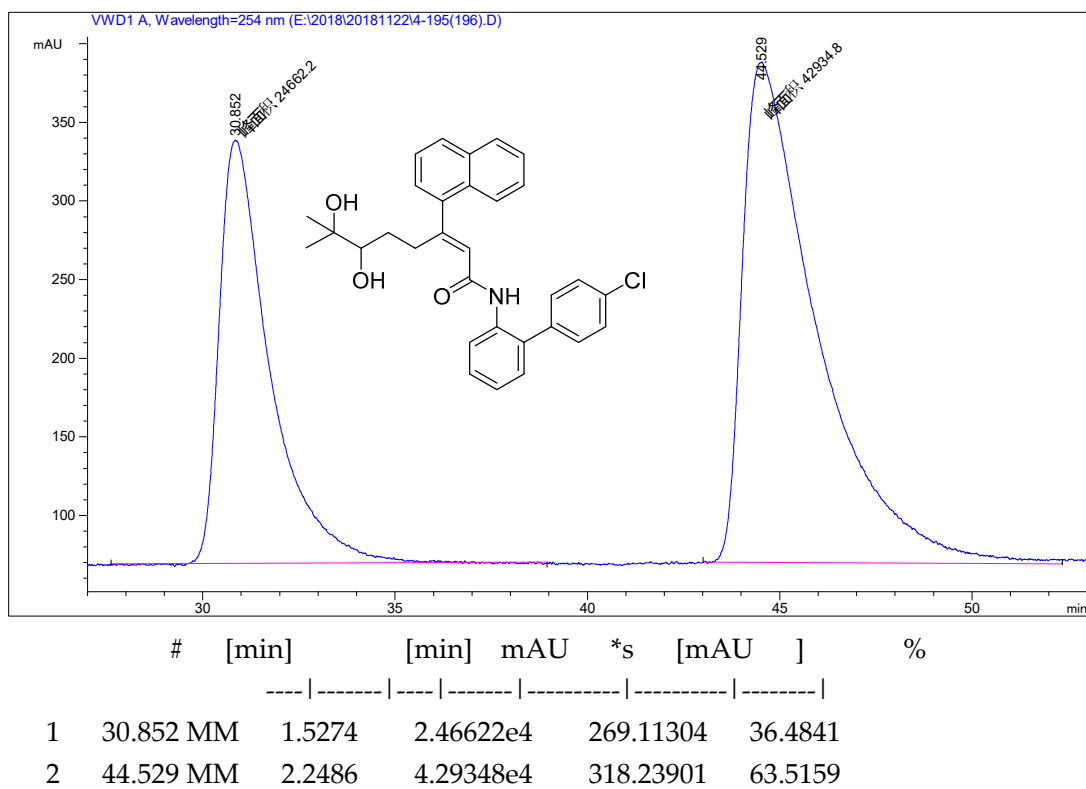


Figure S109. HPLC profile of racemic **11n**

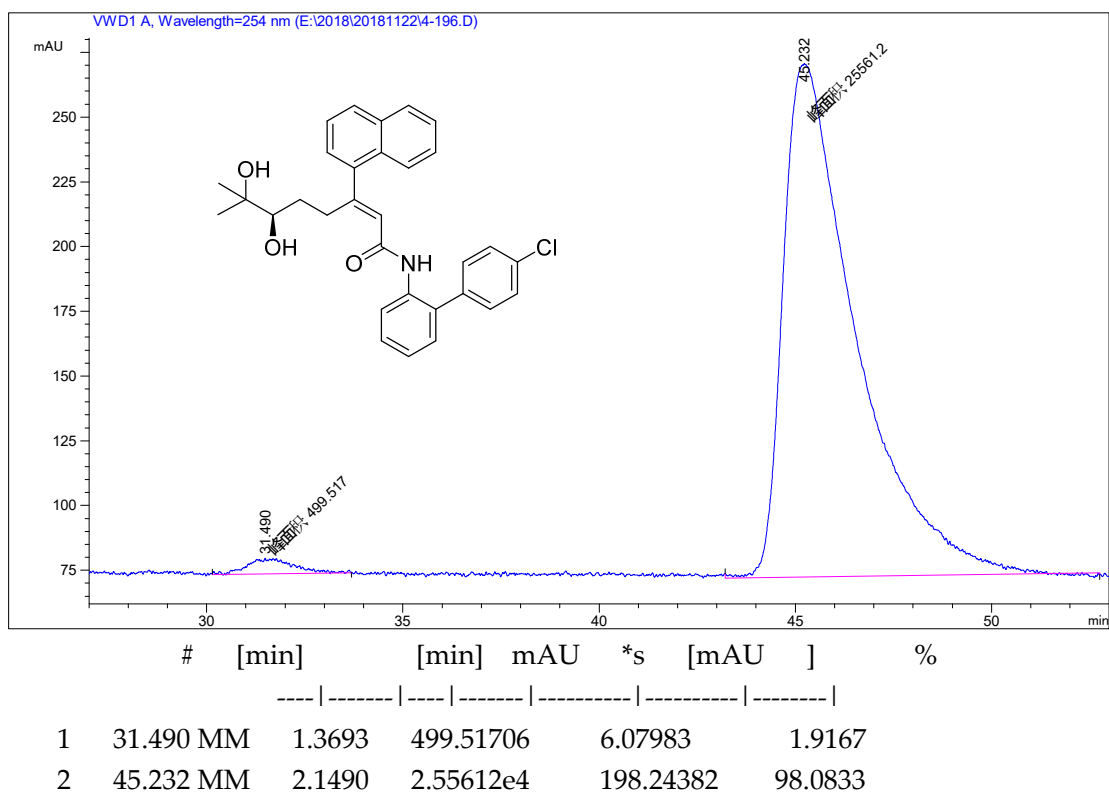


Figure S110. HPLC profile of (*R*)-**11n**

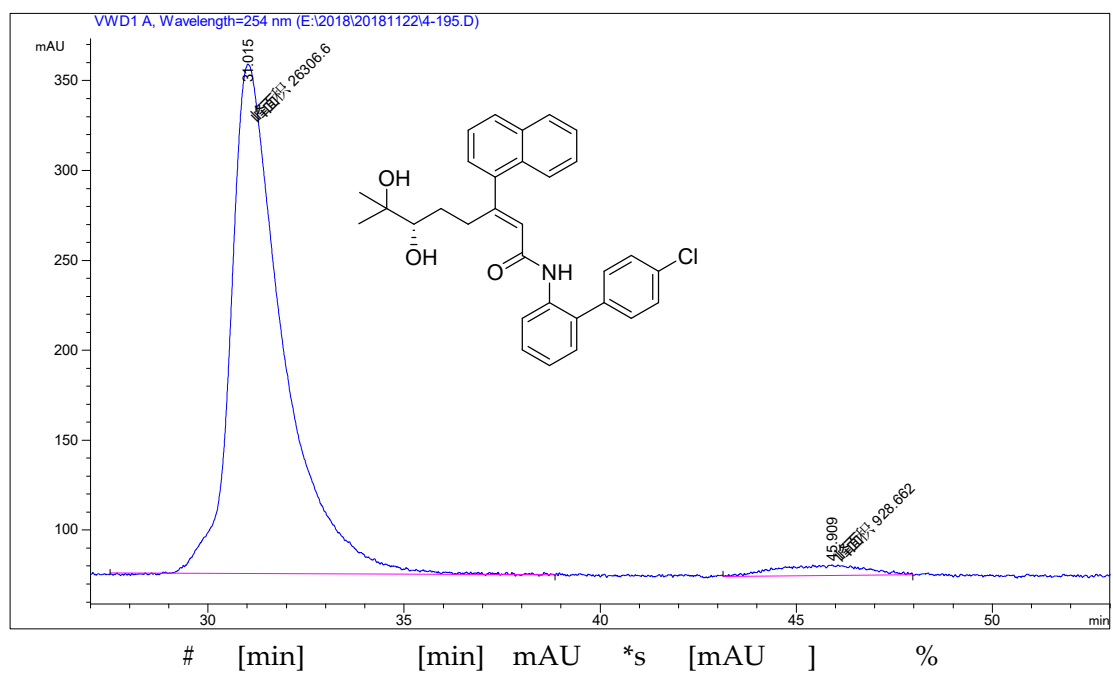


Figure S111. HPLC profile of (S)-11n