

Supporting Information

Design, Synthesis, and Biological Activities of Novel 2-Cyanoacrylate Compounds Containing Substituted Pyrazolyl or 1,2,3-Triazolyl Moiety

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The ^1H -NMR and ^{13}C -NMR spectra of compounds **4a**, **4b**, **5a**, **5b**, **9a–9i** and **10a – 10o** were listed below:

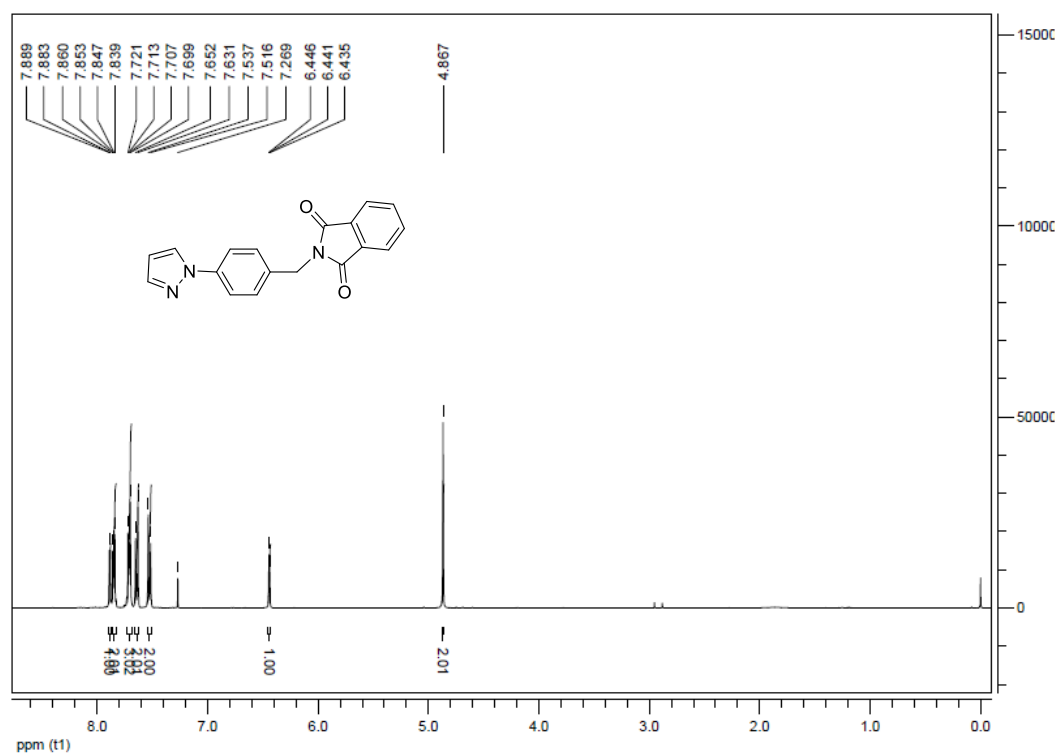


Figure S1. ^1H -NMR of compound **4a** (400 MHz, CDCl_3)

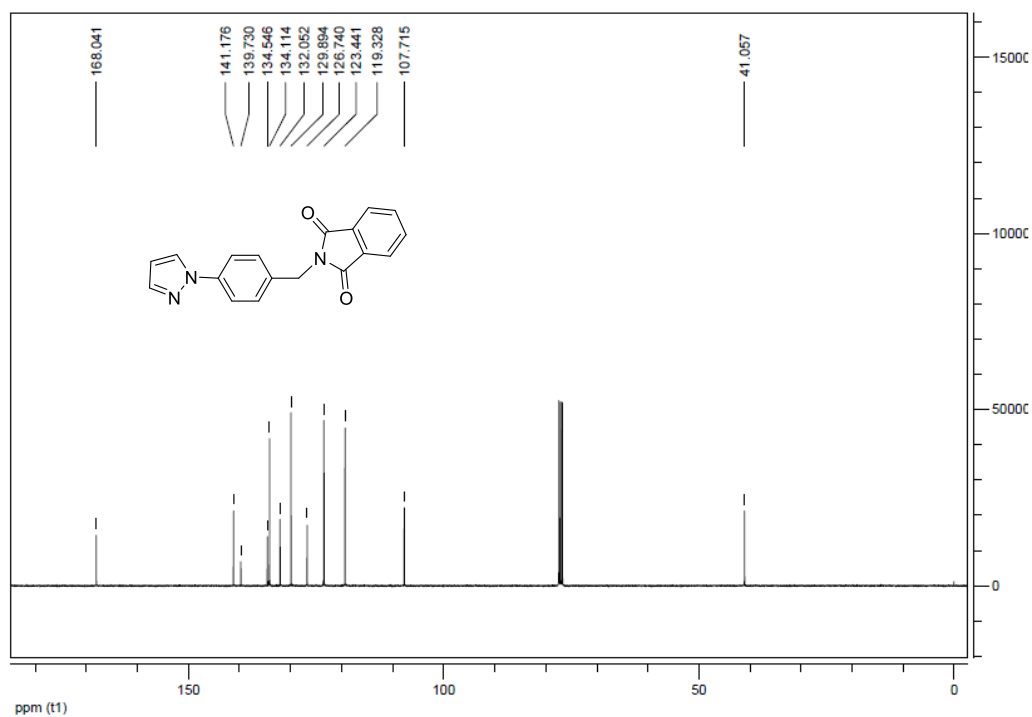


Figure S2. ^{13}C -NMR of compound **4a** (100 MHz, CDCl_3)

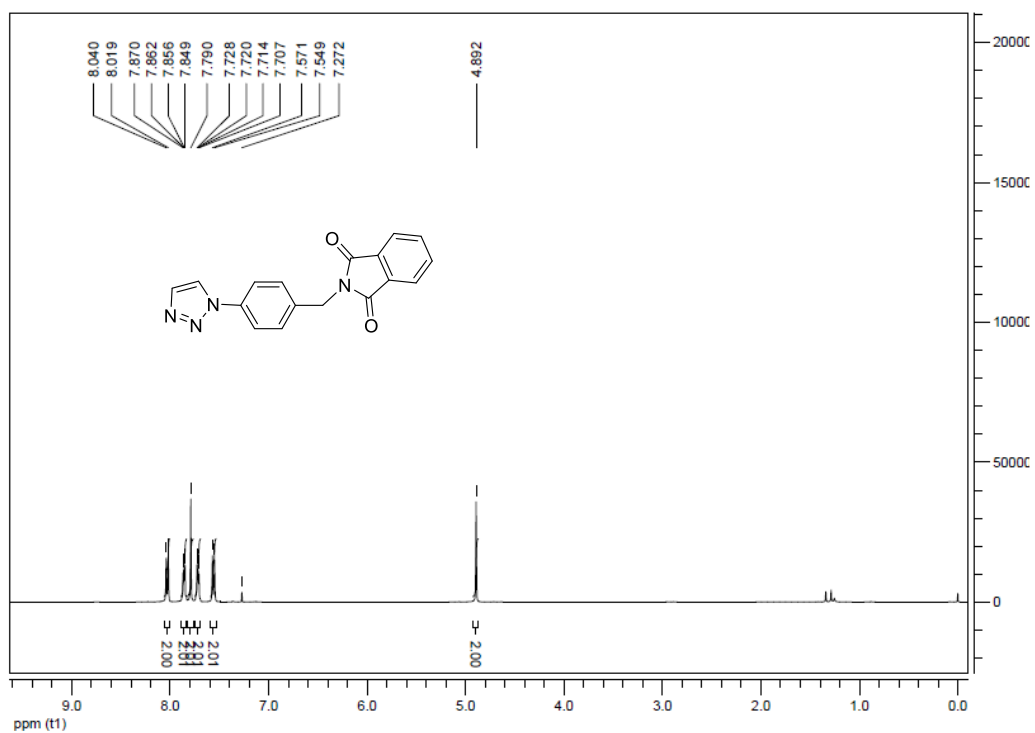


Figure S3. ¹H-NMR of compound **4b** (400 MHz, CDCl₃)

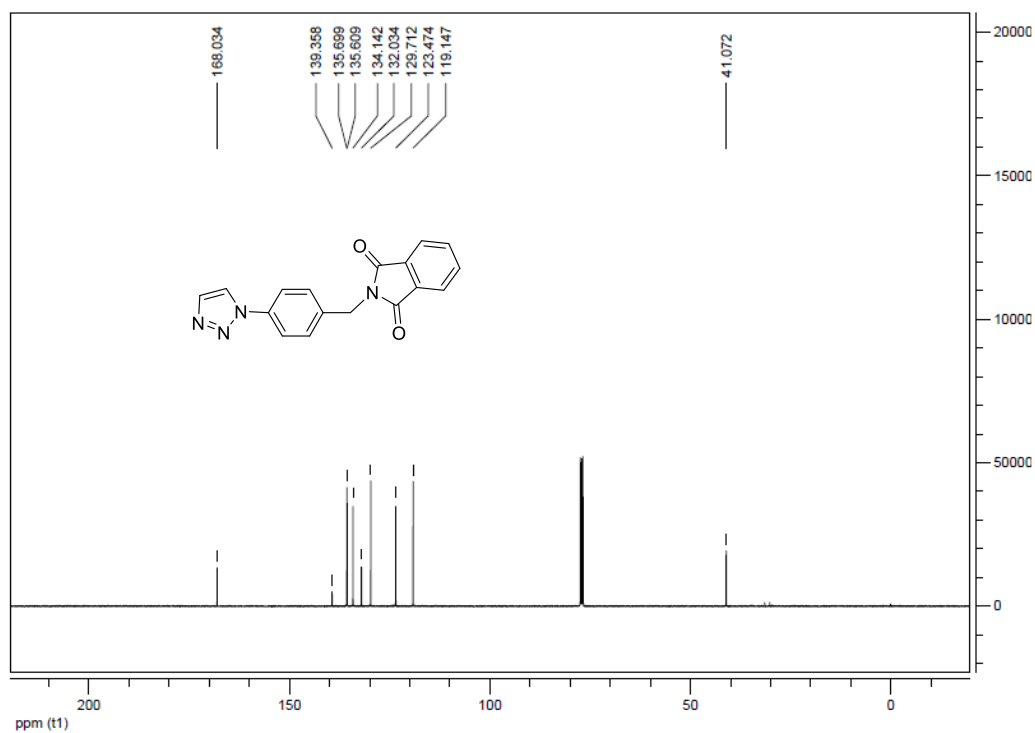


Figure S4. ¹³C-NMR of compound **4b** (100 MHz, CDCl₃)

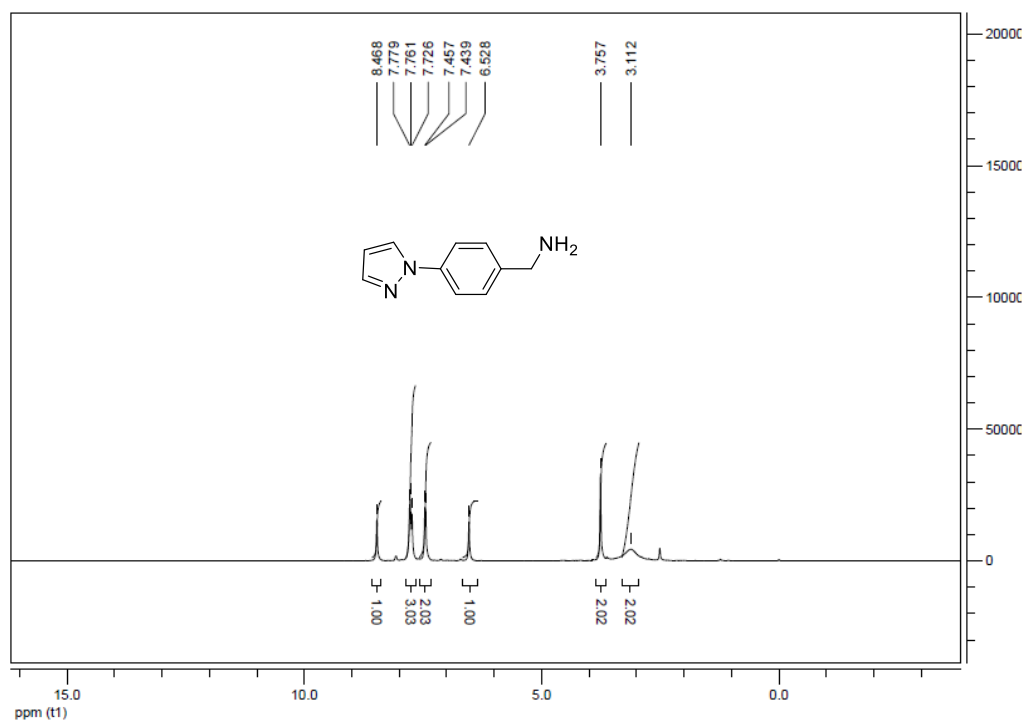


Figure S5. ^1H -NMR of compound **5a** (400 MHz, $\text{DMSO-}d_6$)

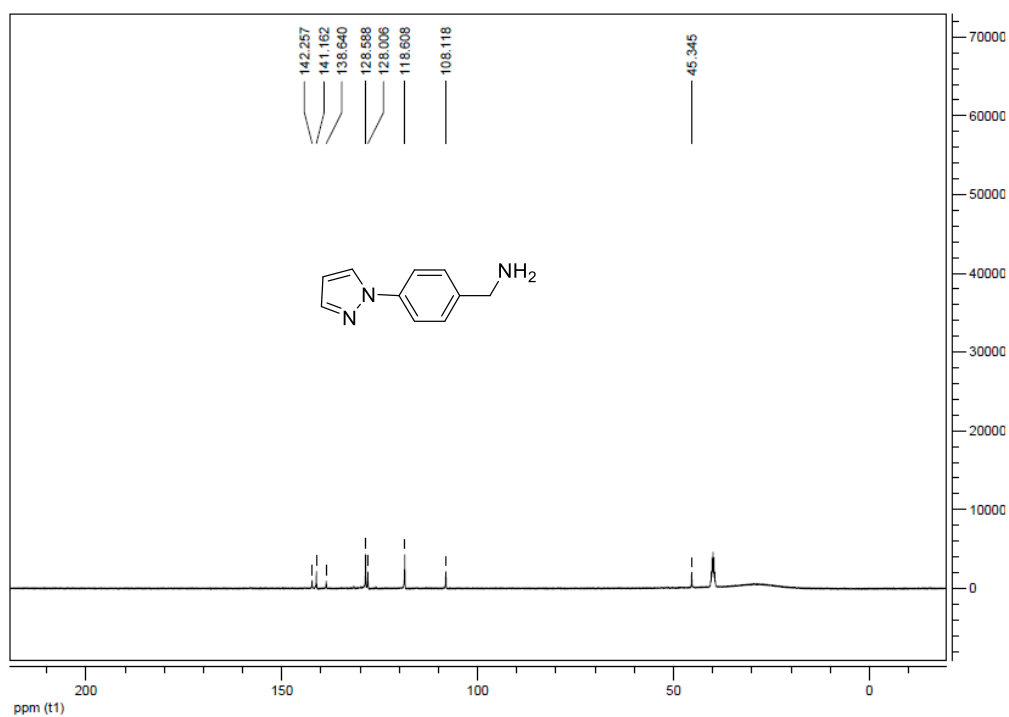


Figure S6. ^{13}C -NMR of compound **5a** (100 MHz, $\text{DMSO-}d_6$)

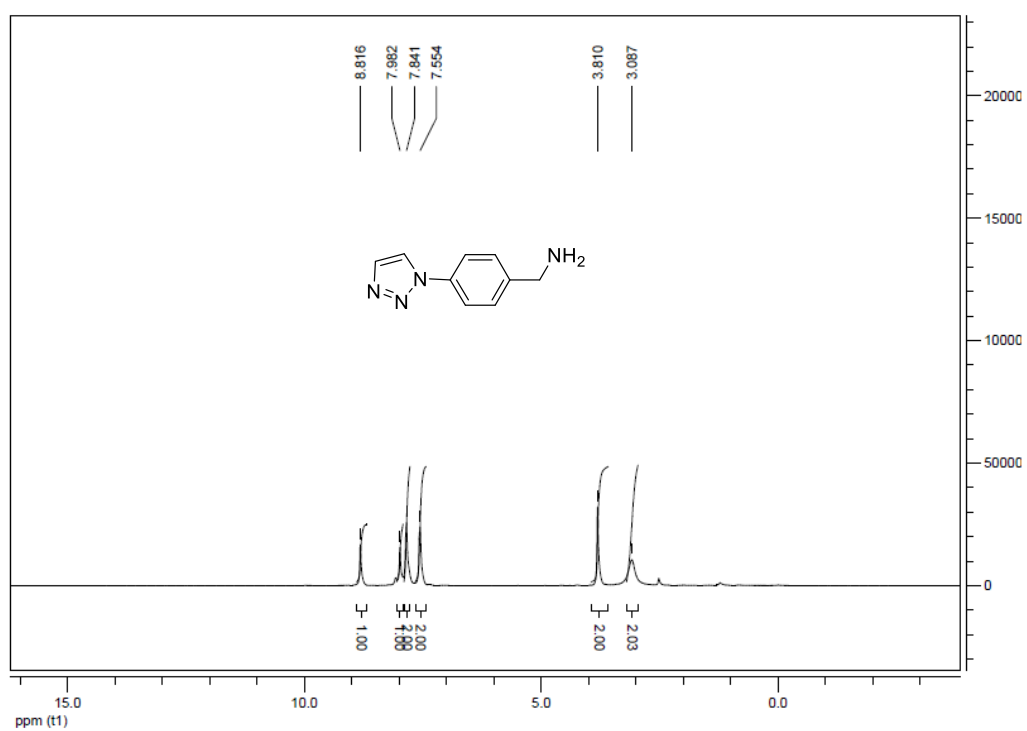


Figure S7. ¹H-NMR of compound **5b** (400 MHz, DMSO-*d*₆)

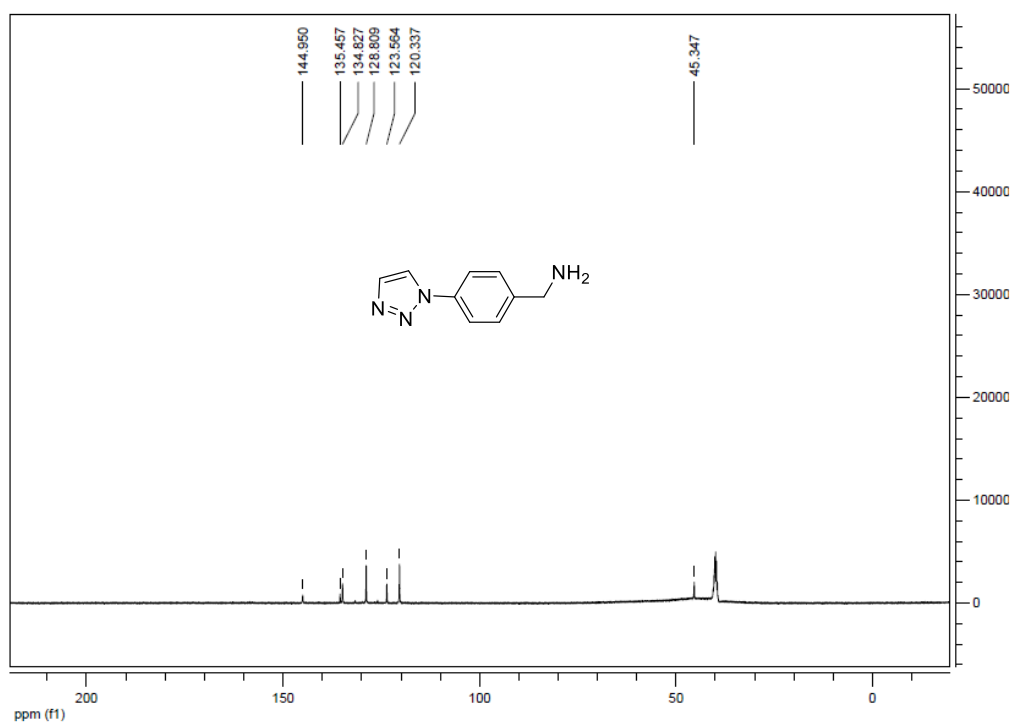


Figure S8. ¹³C-NMR of compound **5b** (100 MHz, DMSO-*d*₆)

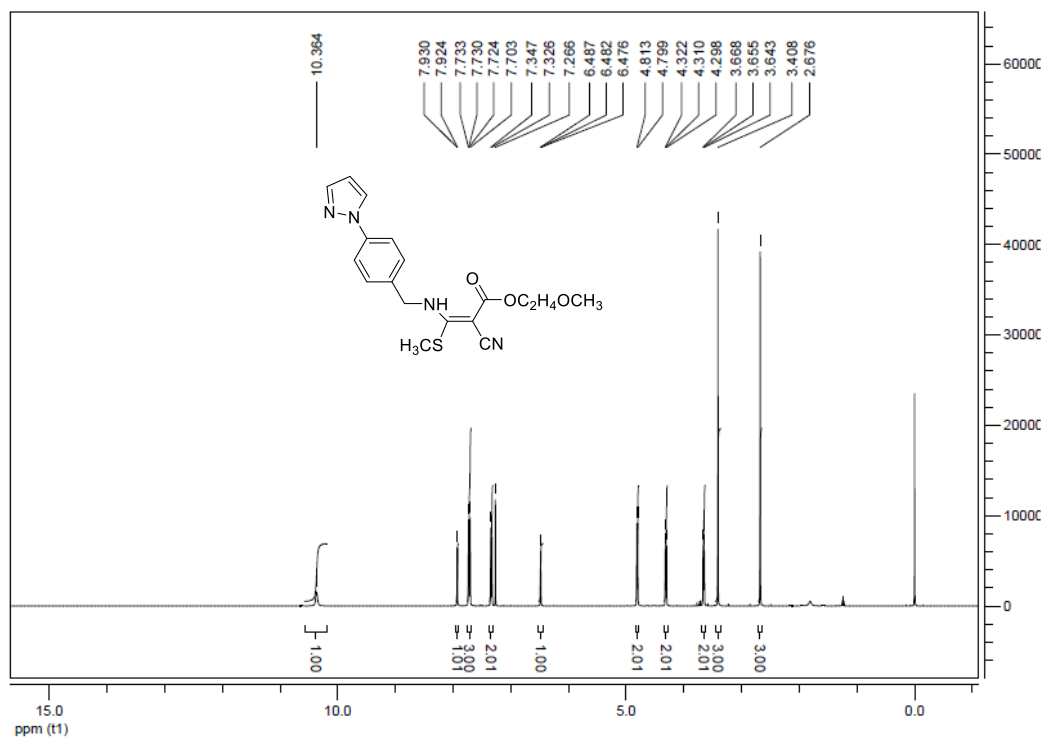


Figure S9. ¹H-NMR of compound 9a (400 MHz, CDCl₃)

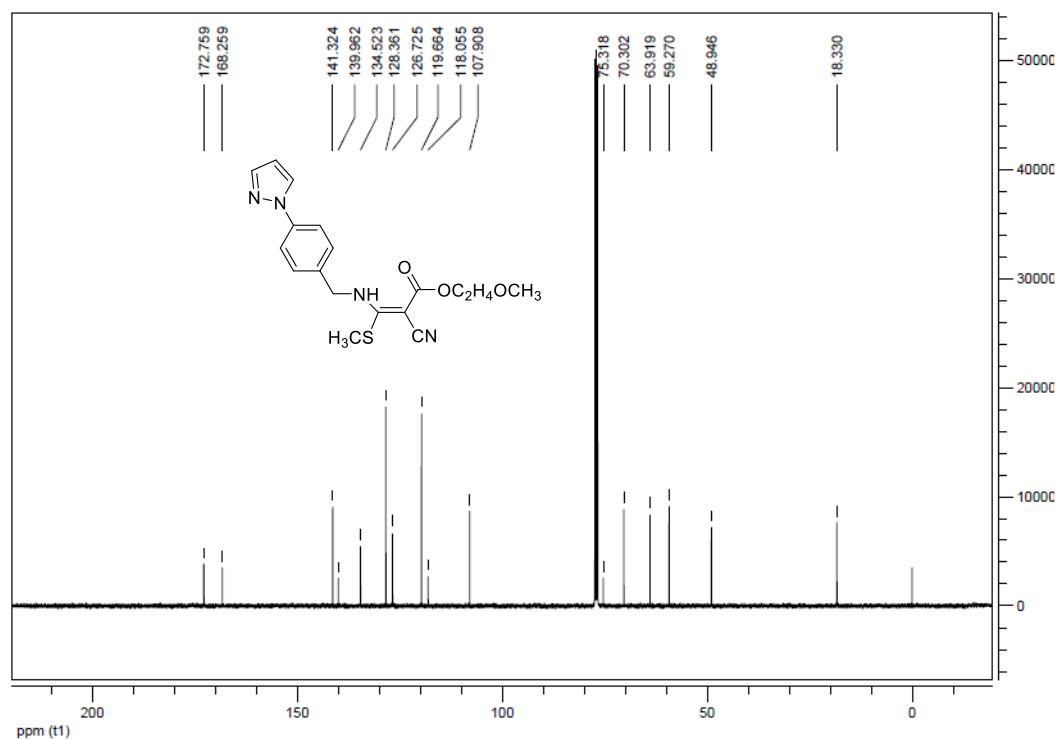


Figure S10. ¹³C-NMR of compound 9a (100 MHz, CDCl₃)

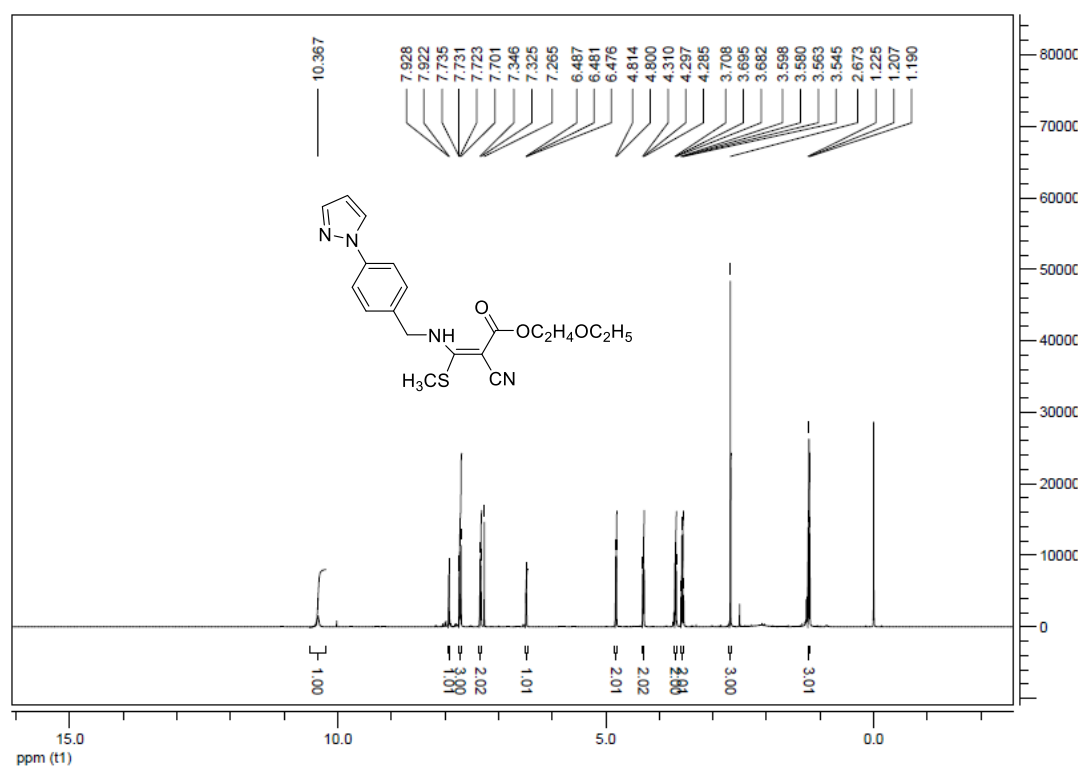


Figure S11. ¹H-NMR of compound **9b** (400 MHz, CDCl₃).

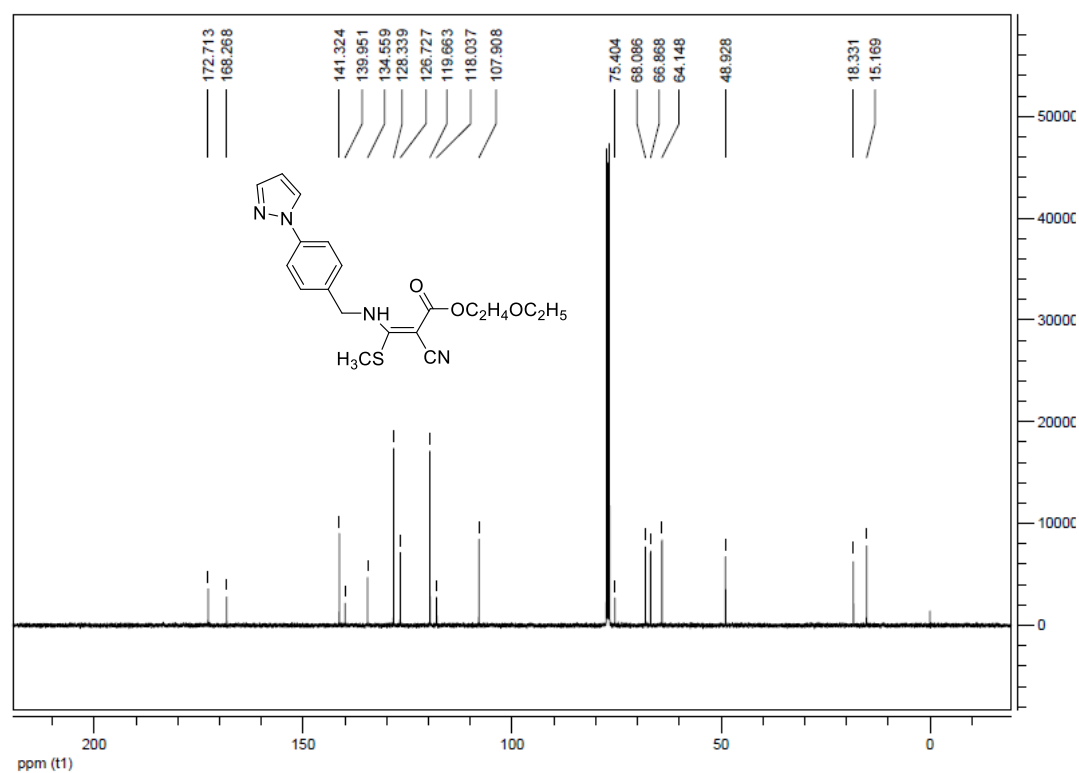


Figure S12. ¹³C-NMR of compound **9b** (100 MHz, CDCl₃).

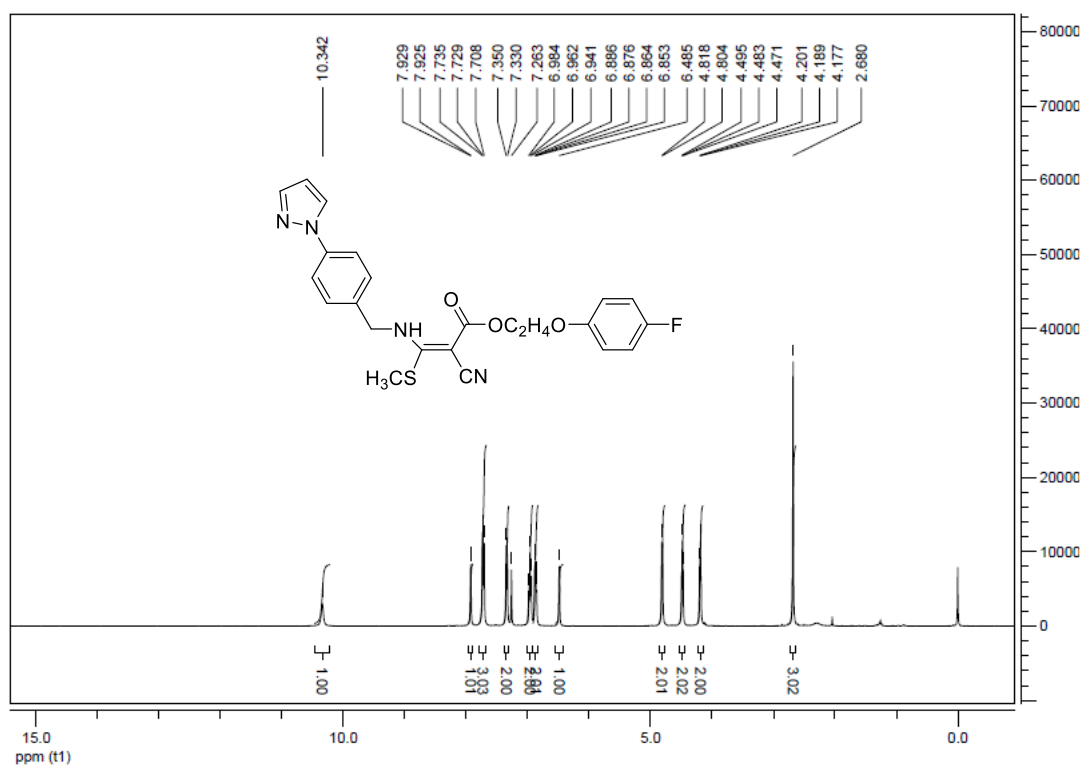


Figure S13. ¹H-NMR of compound 9c (400 MHz, CDCl₃)

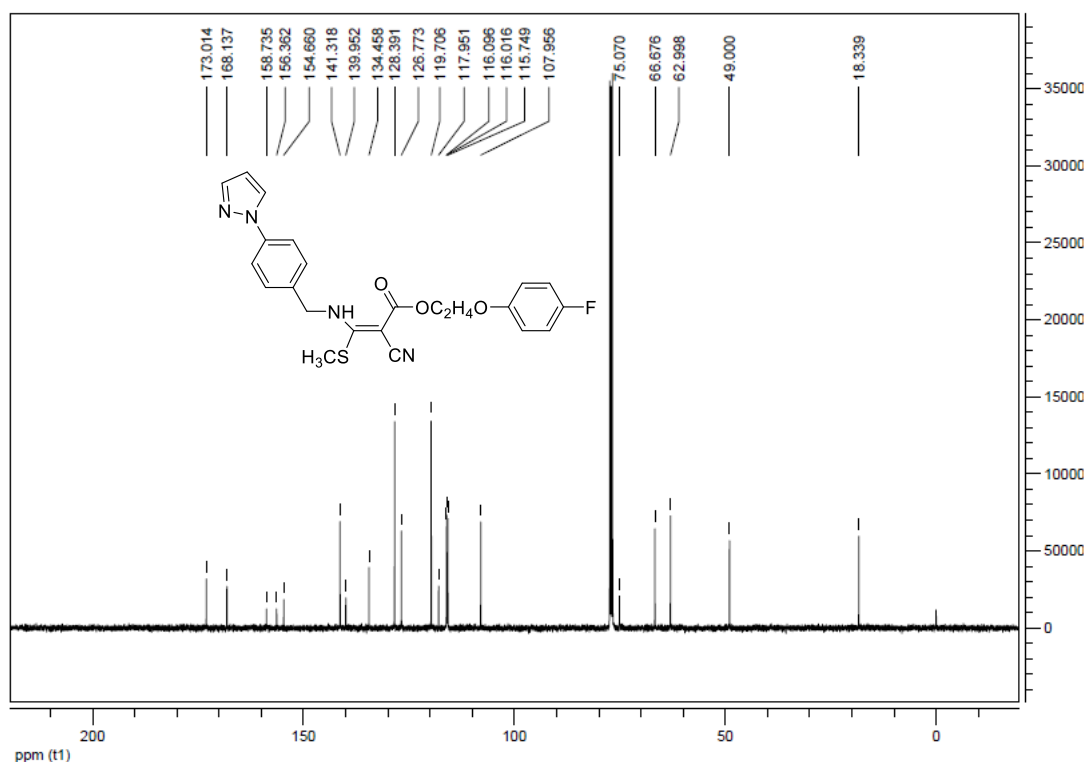


Figure S14. ¹³C-NMR of compound 9c (400 MHz, CDCl₃)

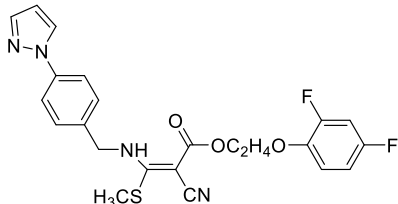


Figure S15. ^1H -NMR of compound **9d** (400 MHz, CDCl_3)

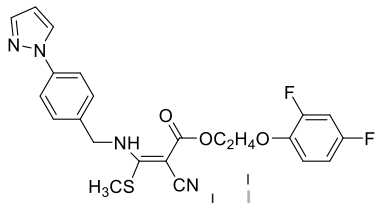


Figure S16. ^{13}C -NMR of compound **9d** (100 MHz, CDCl_3)

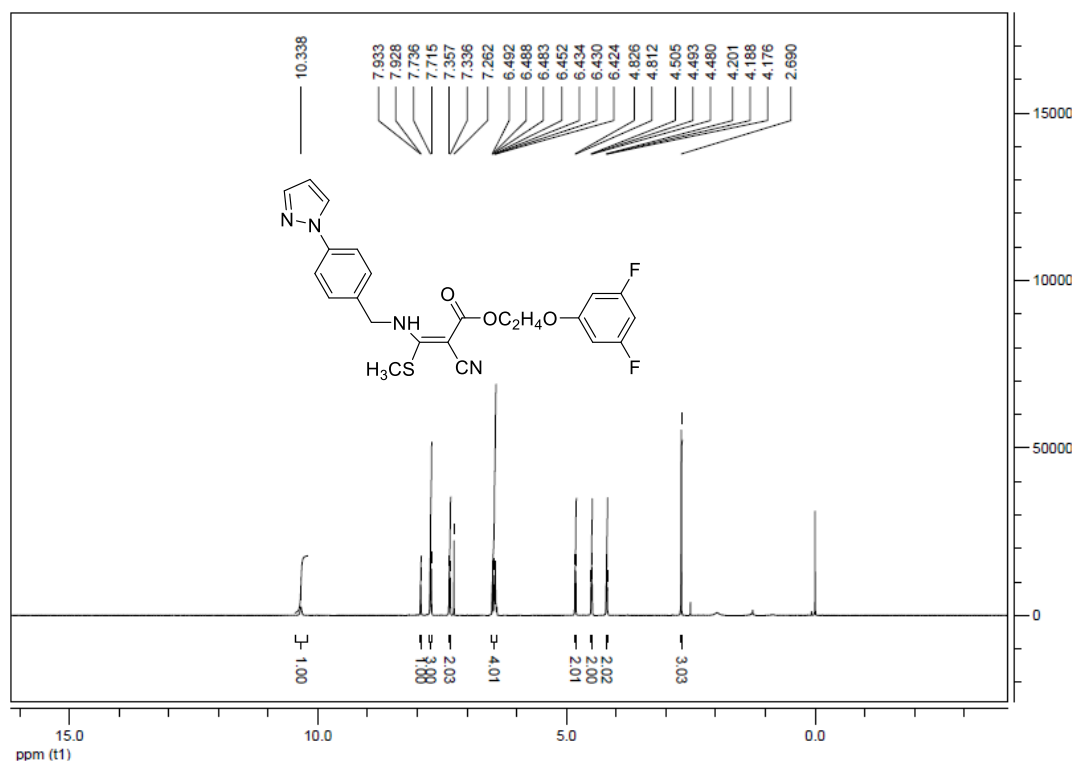


Figure S17. ¹H-NMR of compound **9e** (400 MHz, CDCl₃)

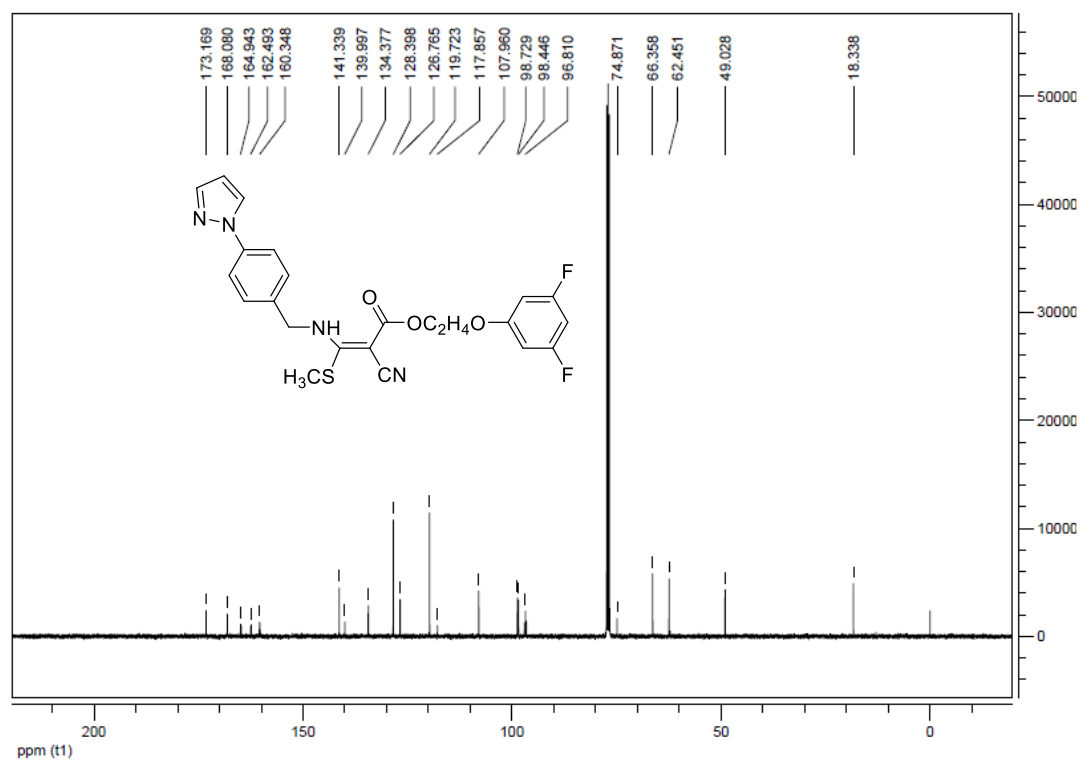


Figure S18. ¹³C-NMR of compound **9e** (100 MHz, CDCl₃)

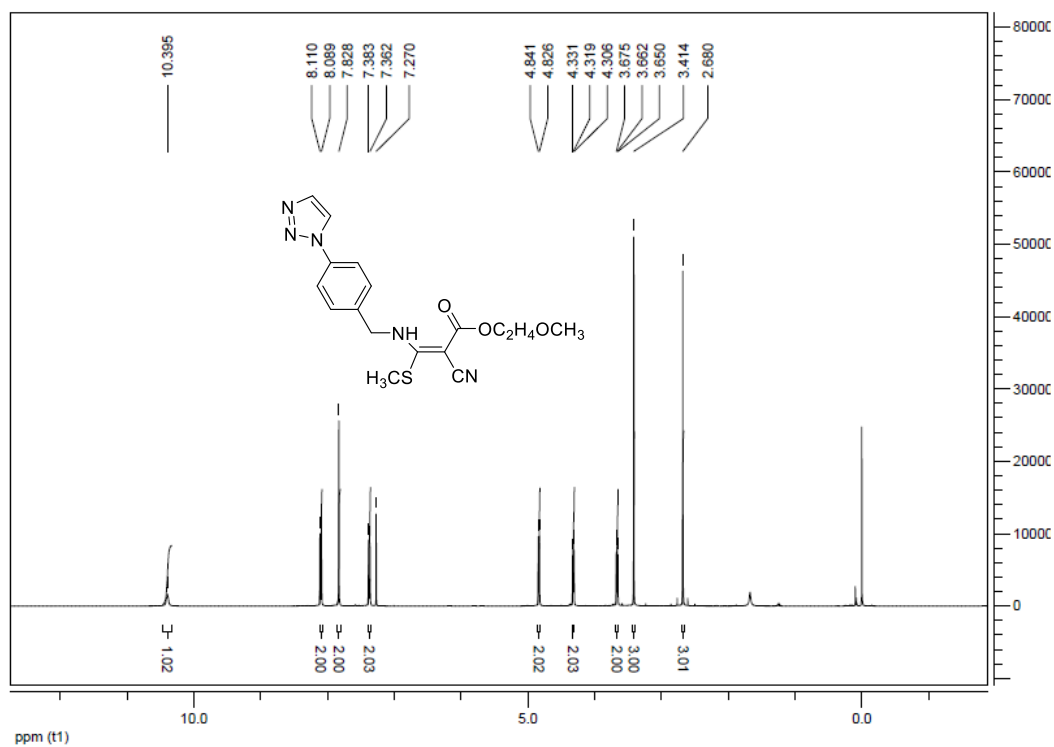


Figure S19. ^1H -NMR of compound **9f** (400 MHz, CDCl_3)

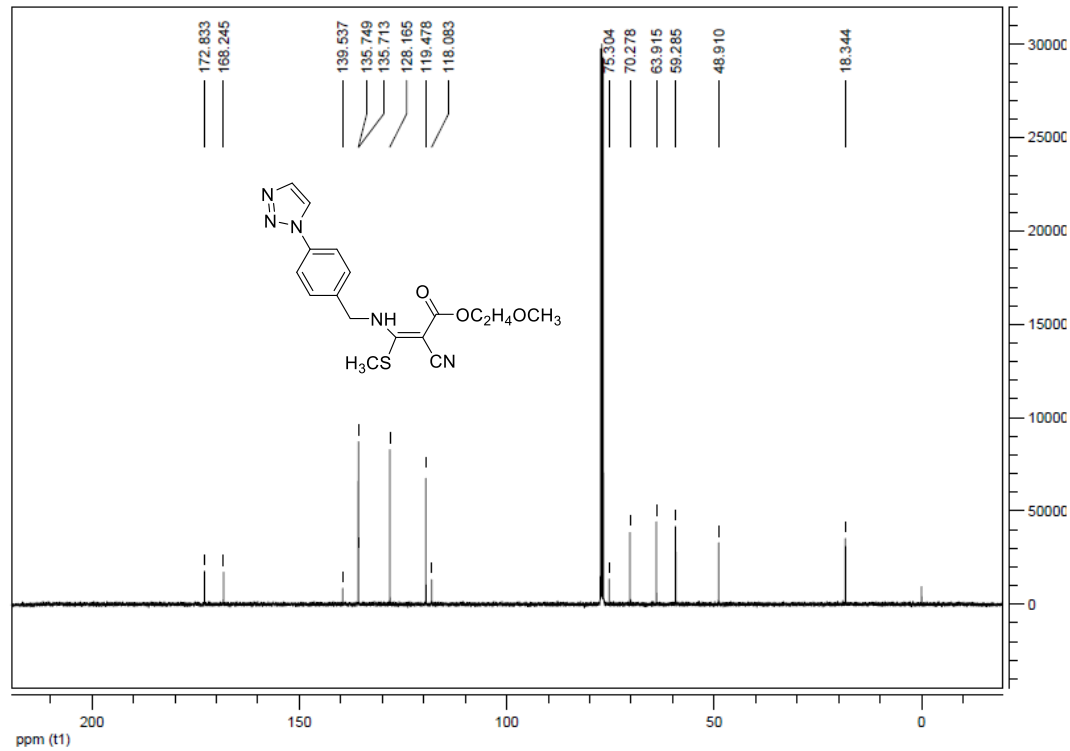


Figure S20. ^{13}C -NMR of compound **9f** (100 MHz, CDCl_3)

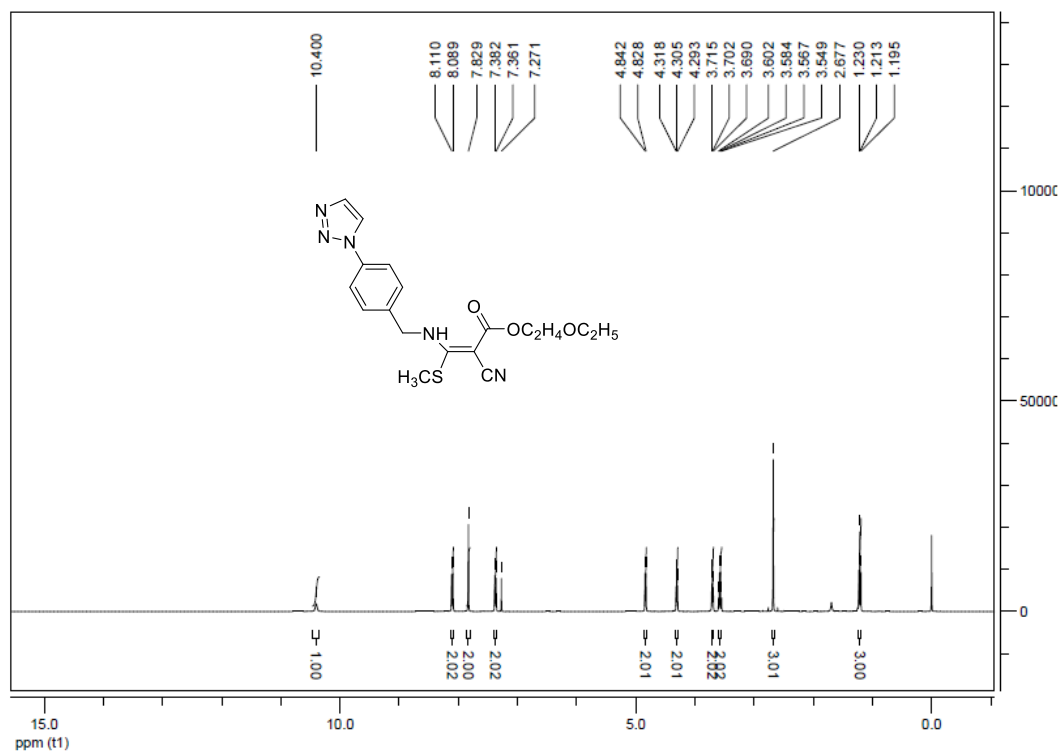


Figure S21. ^1H -NMR of compound **9g** (400 MHz, CDCl_3)

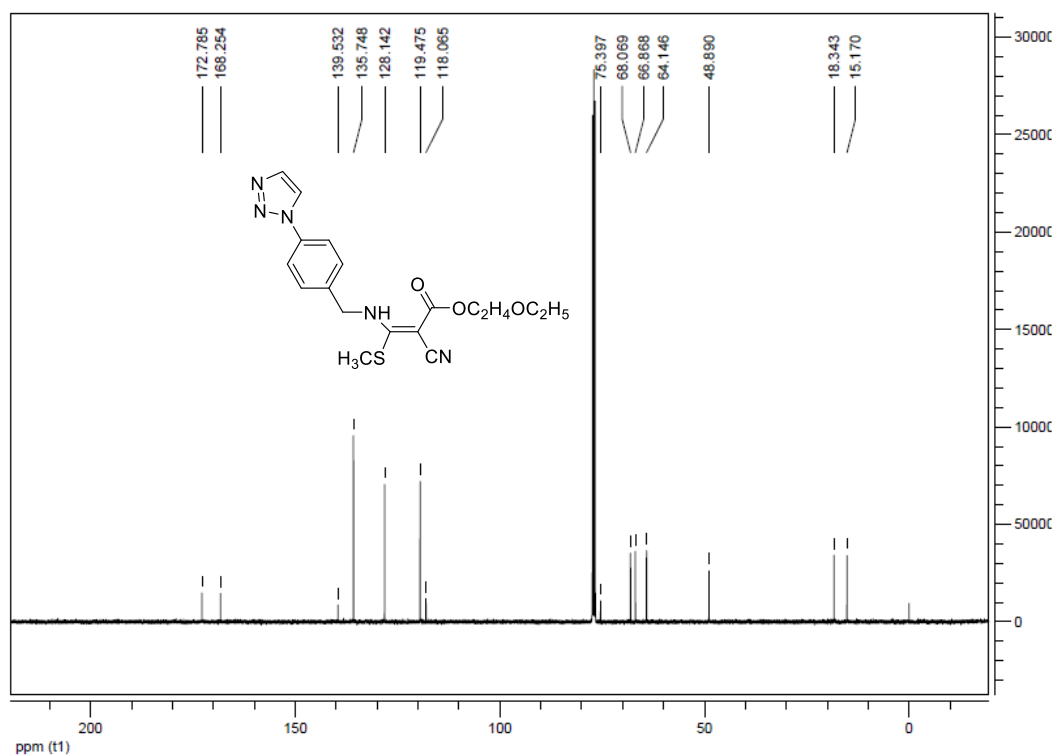


Figure S22. ^{13}C -NMR of compound **9g** (100 MHz, CDCl_3)

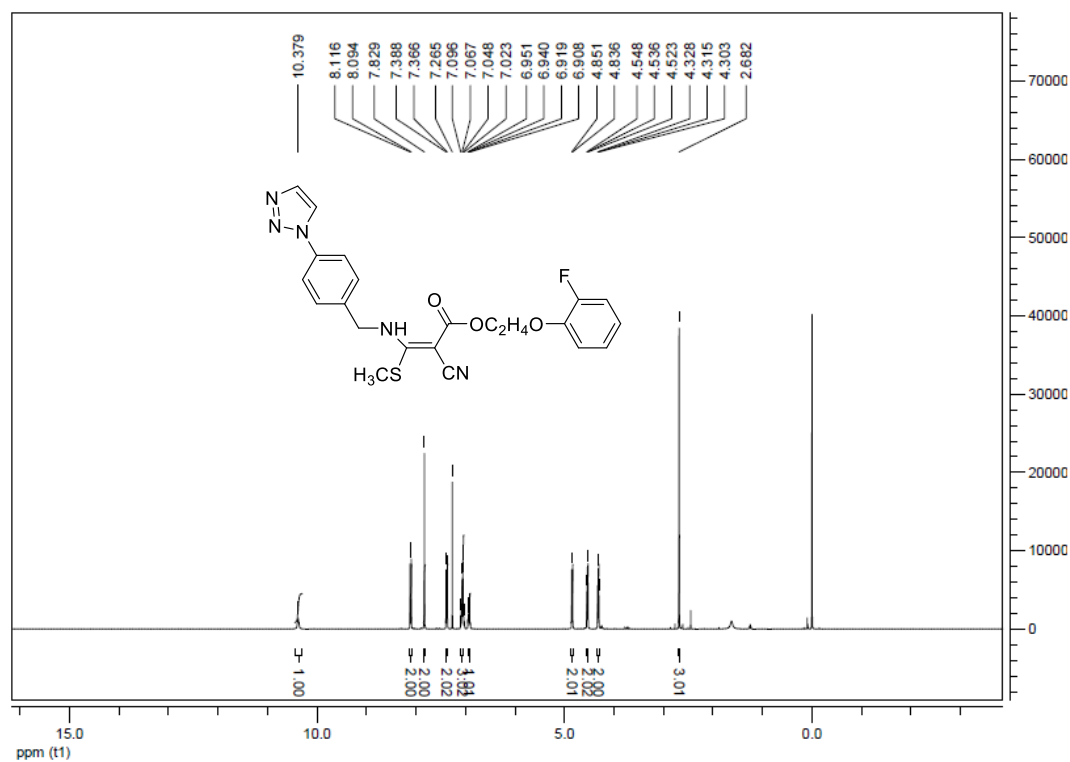


Figure S23. ¹H-NMR of compound **9h** (400 MHz, CDCl₃)

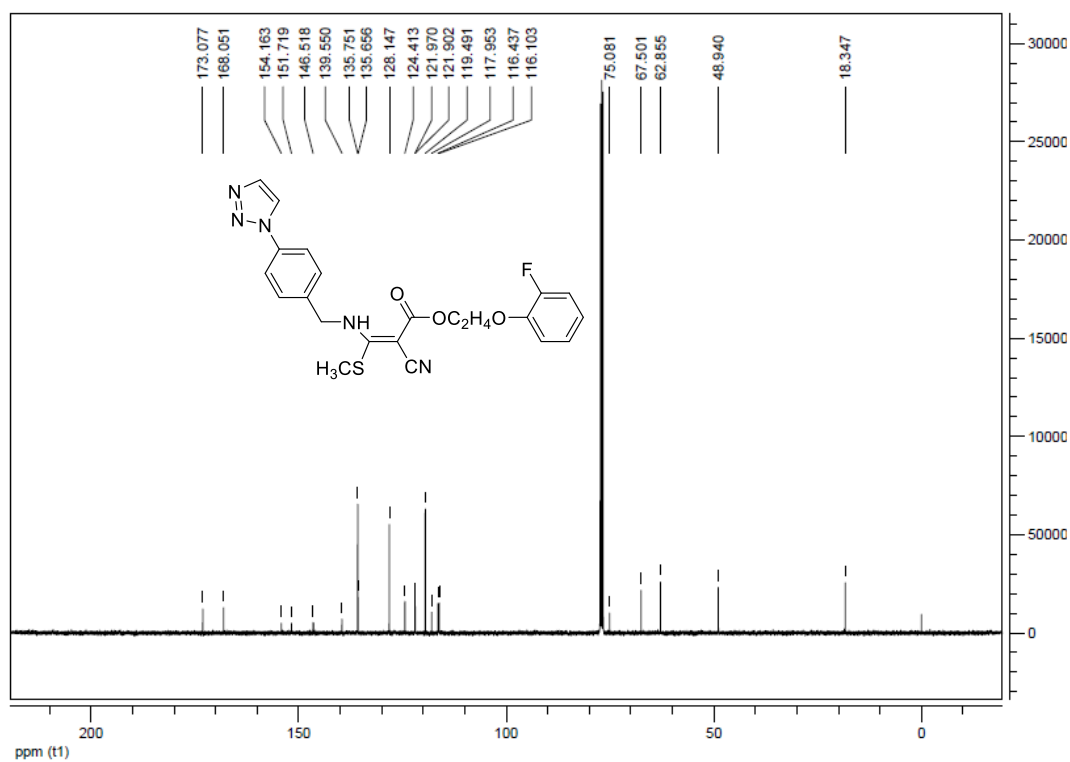


Figure S24. ¹³C-NMR of compound **9h** (100 MHz, CDCl₃)

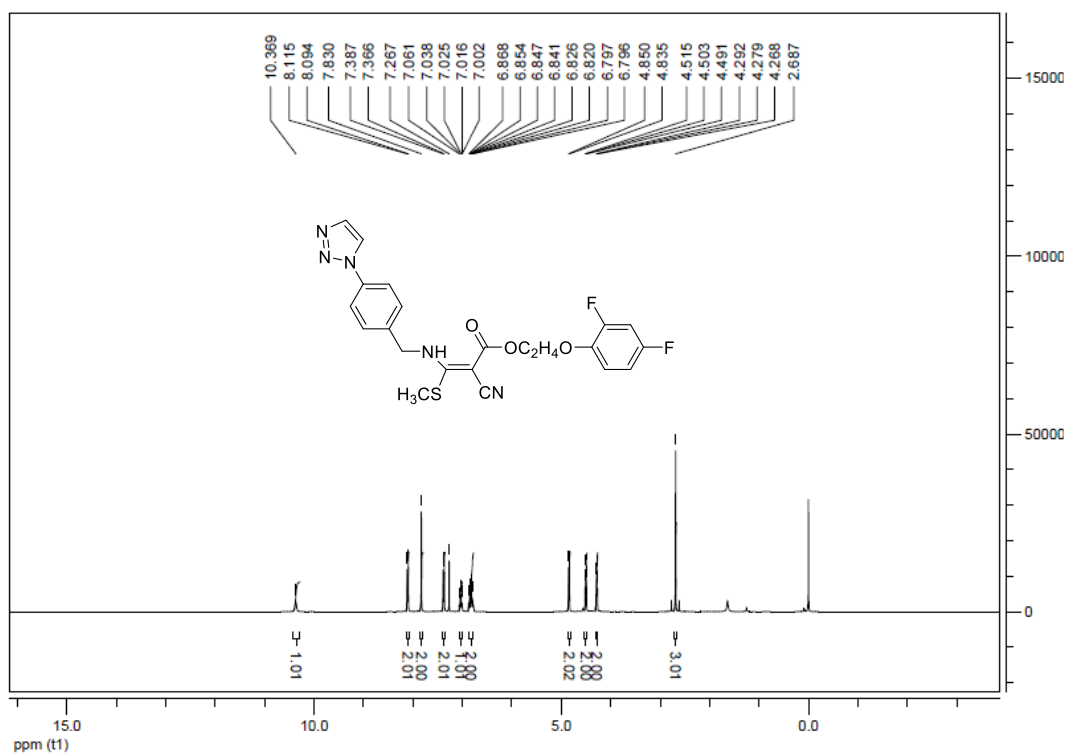


Figure S25. ¹H-NMR of compound **9i** (400 MHz, CDCl₃)

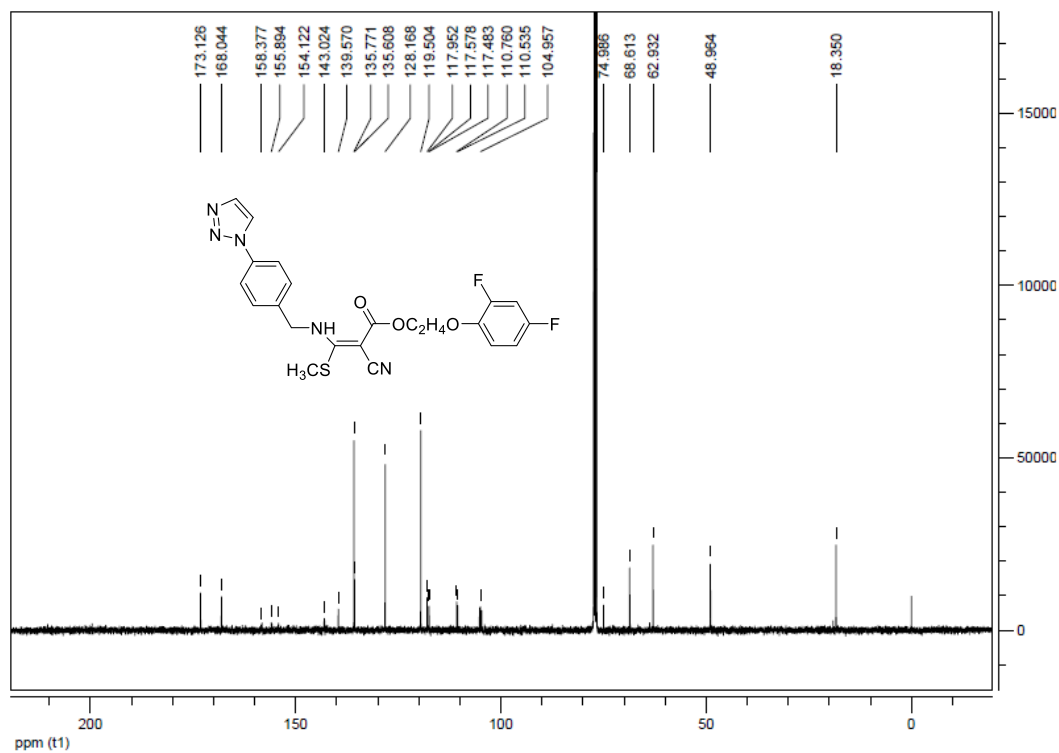


Figure S26. ¹³C-NMR of compound **9i** (100 MHz, CDCl₃)

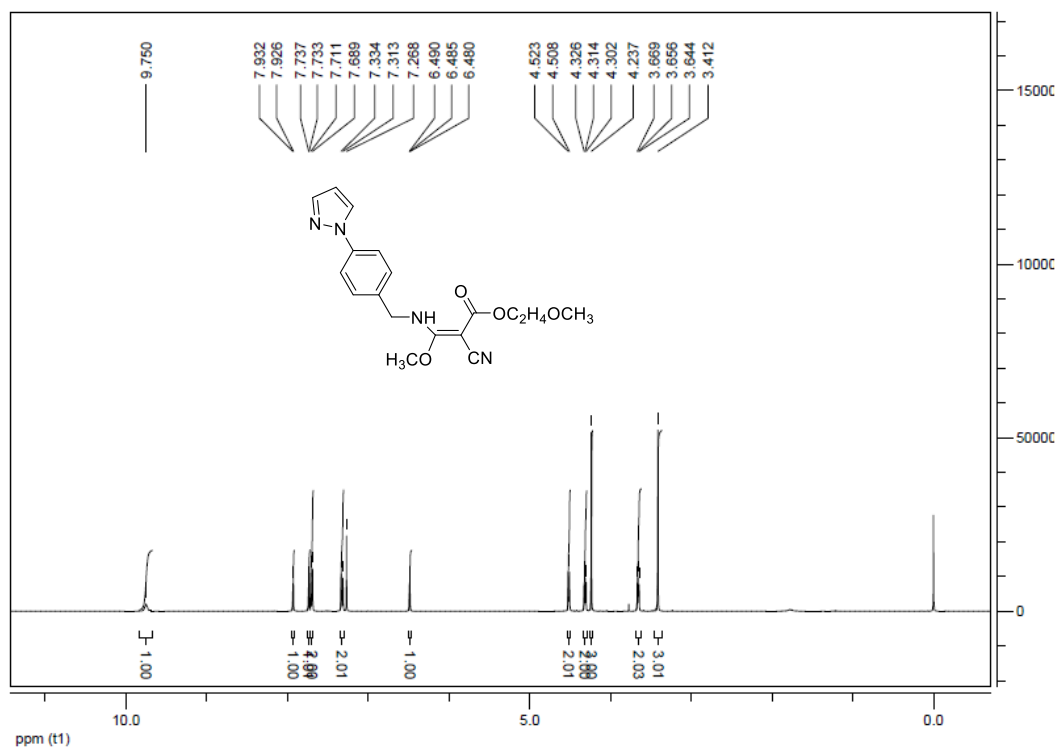


Figure S27. ¹H-NMR of compound 10a (400 MHz, CDCl₃)

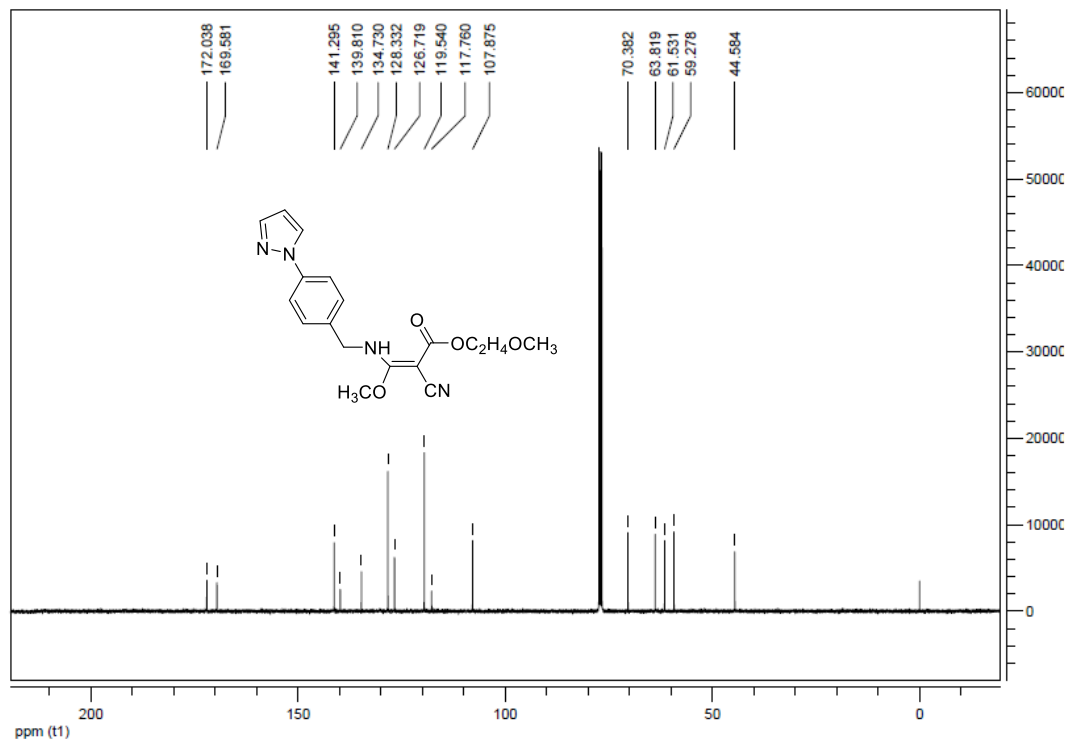


Figure S28. ¹³C-NMR of compound 10a (100 MHz, CDCl₃)

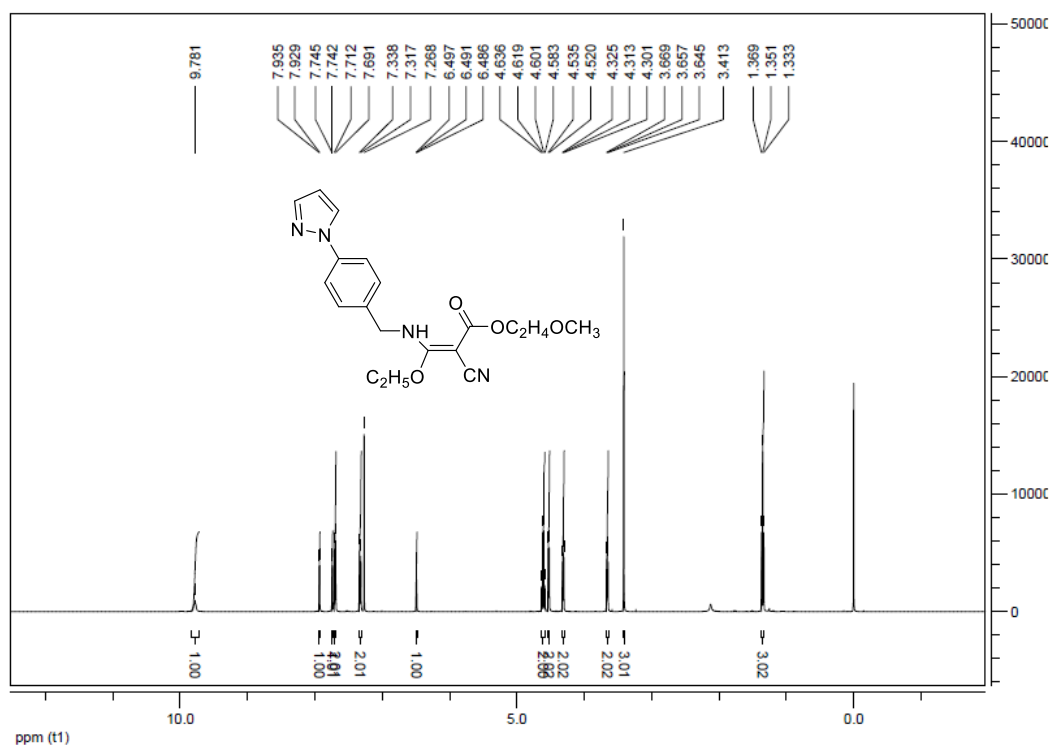


Figure S29. ¹H-NMR of compound **10b** (400 MHz, CDCl₃)

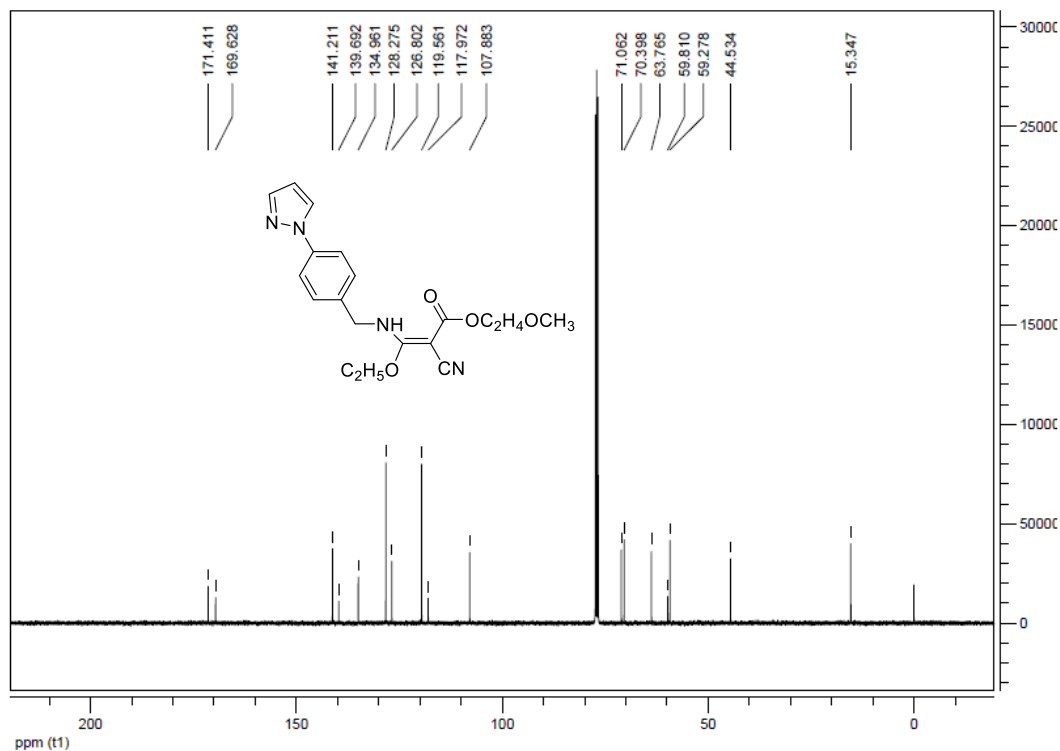


Figure S30. ¹³C-NMR of compound **10b** (100 MHz, CDCl₃)

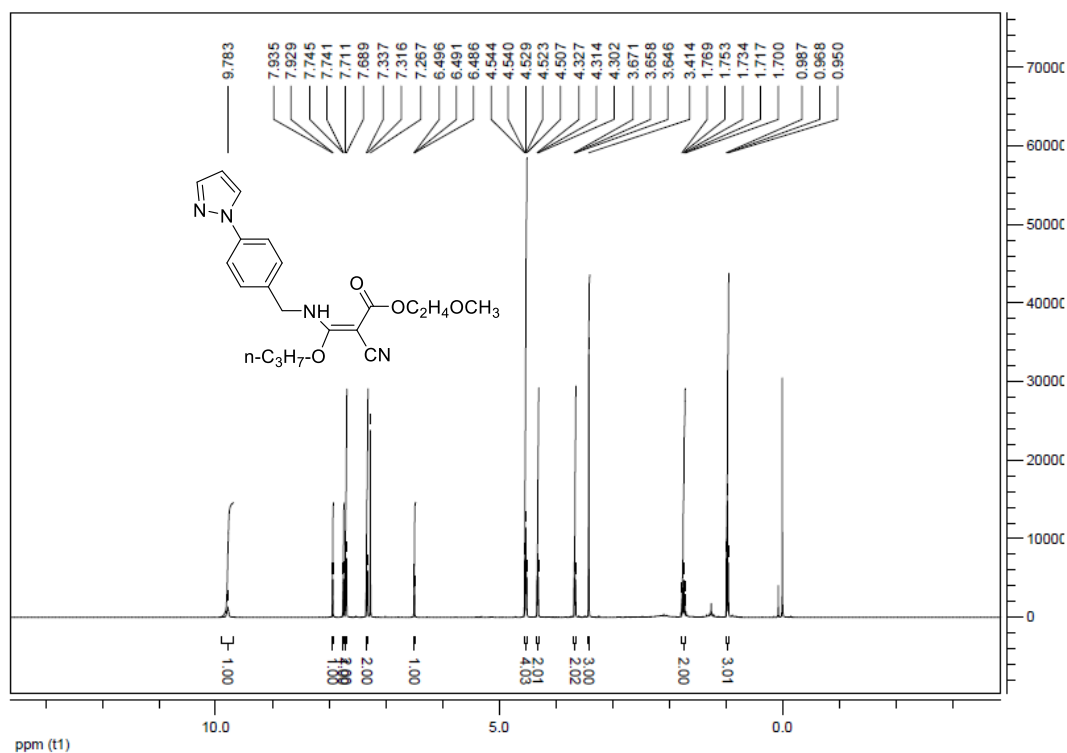


Figure S31. ^1H -NMR of compound **10c** (400 MHz, CDCl_3)

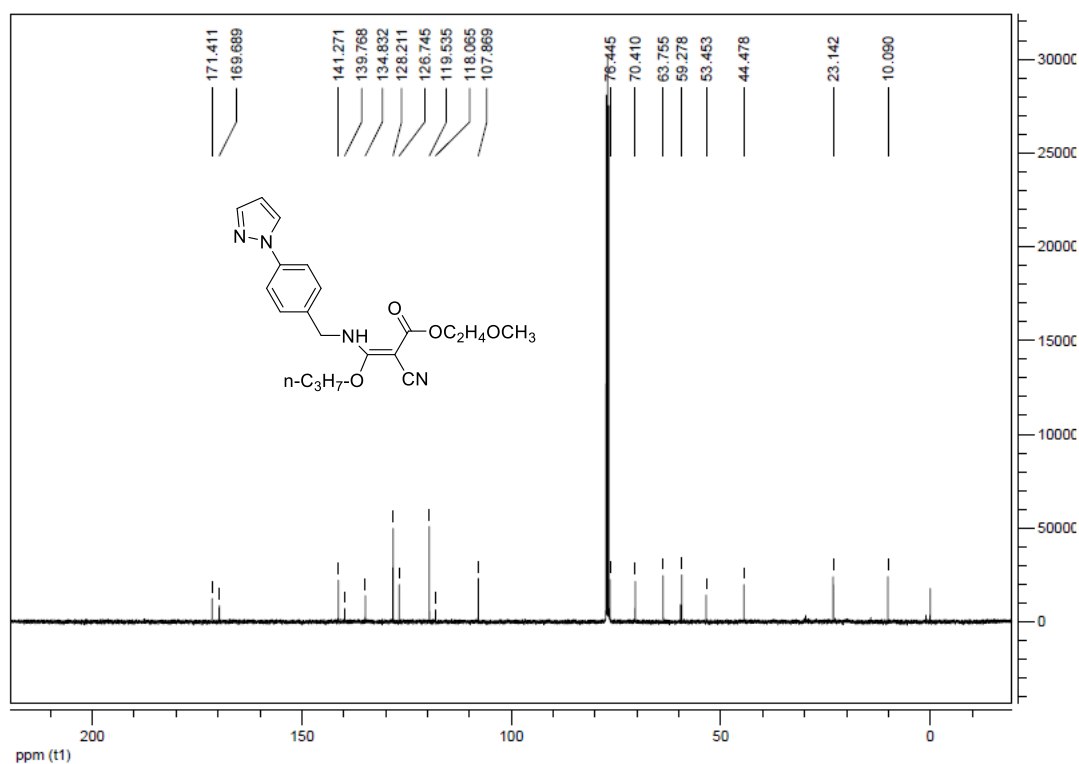


Figure S32. ^{13}C -NMR of compound **10c** (100 MHz, CDCl_3)

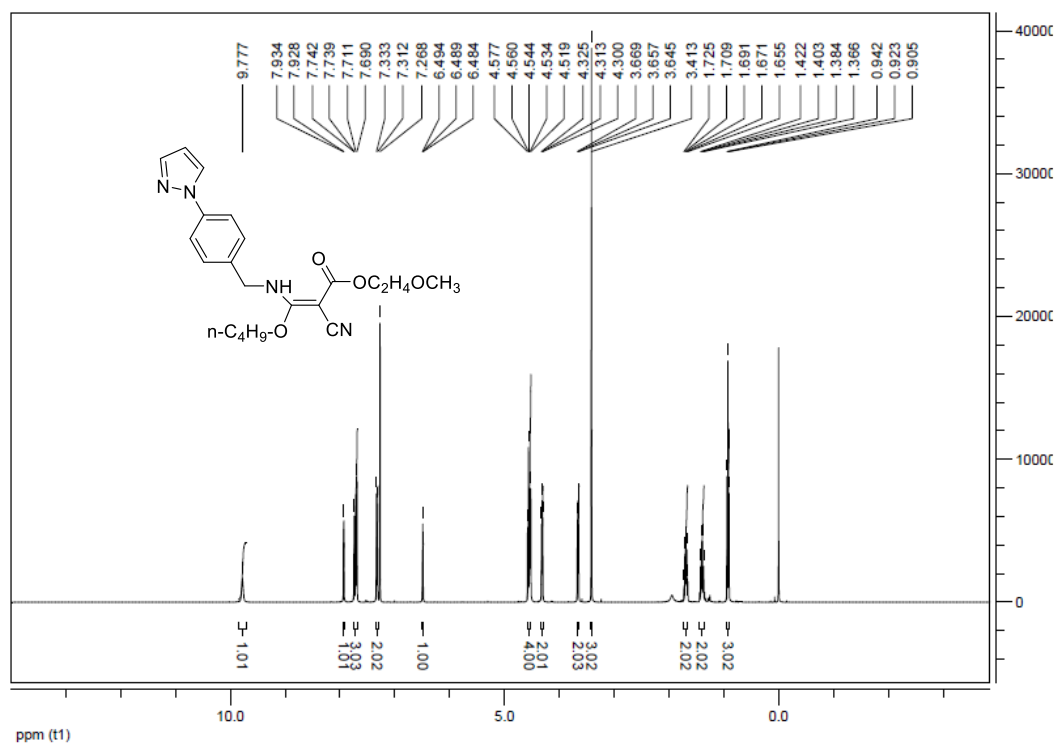


Figure S33. ¹H-NMR of compound **10d** (400 MHz, CDCl₃)

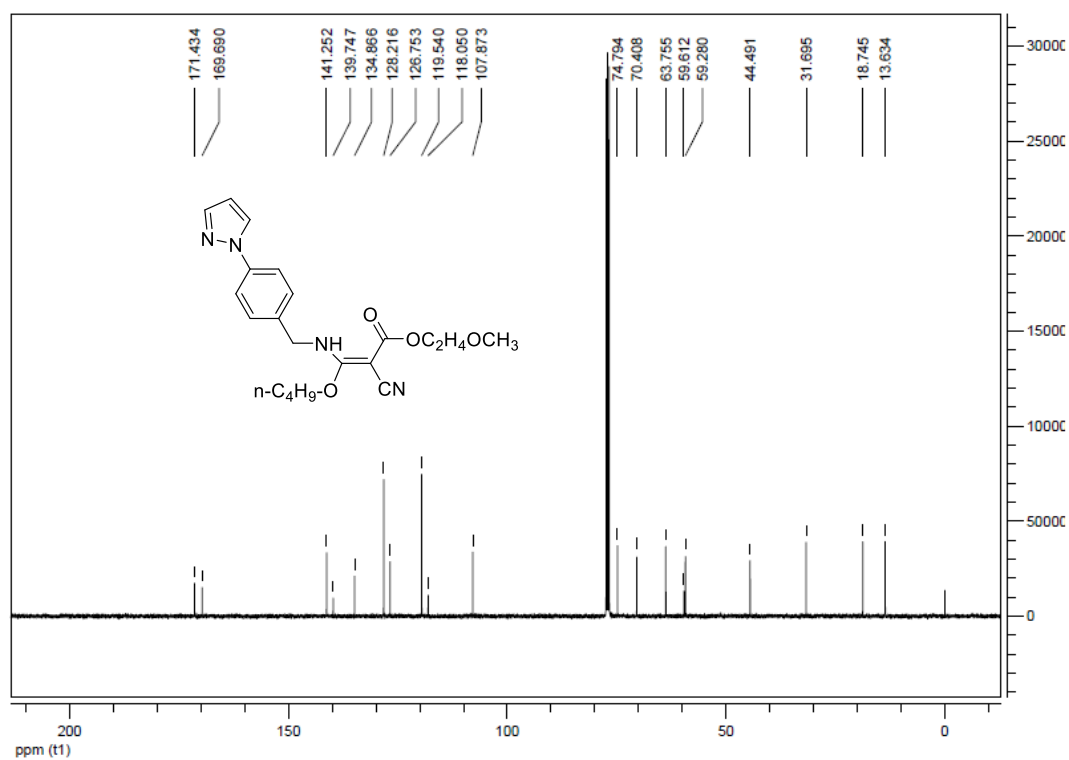


Figure S34. ¹³C-NMR of compound **10d** (100 MHz, CDCl₃)

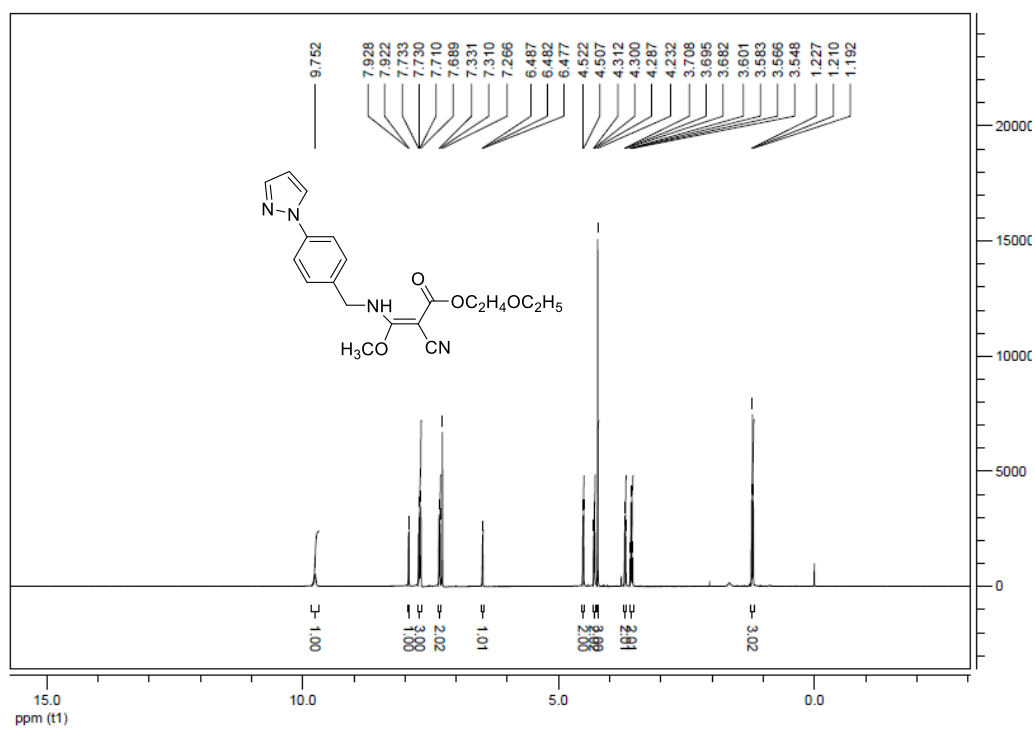


Figure S35. ¹H-NMR of compound 10e (400 MHz, CDCl₃)

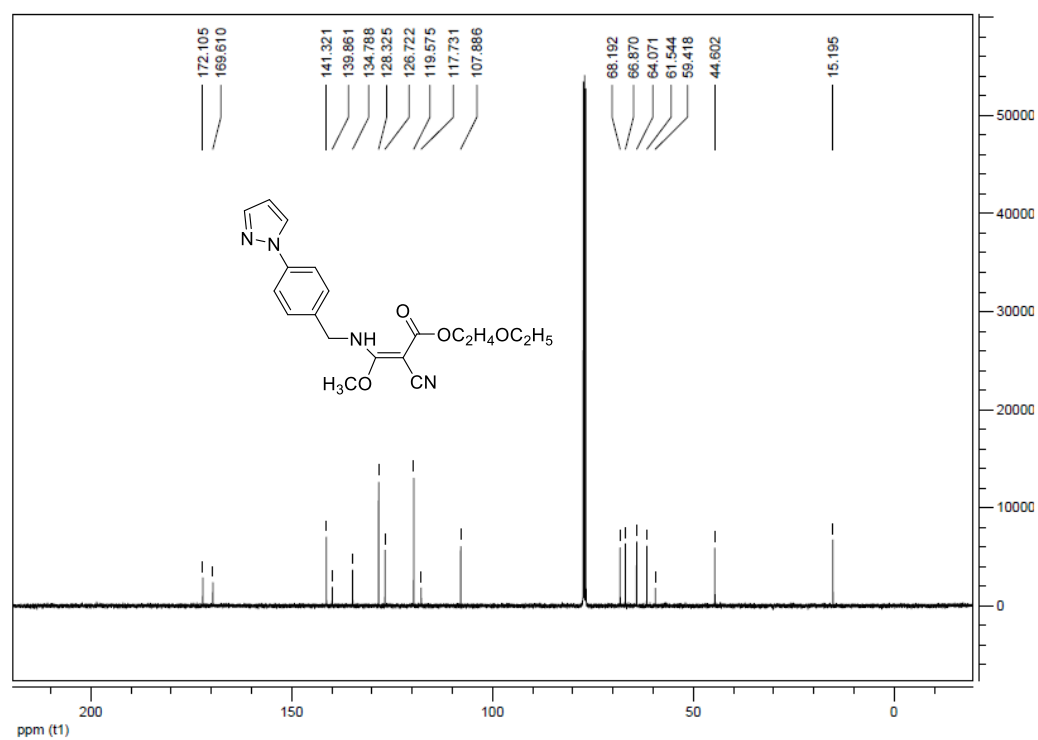


Figure S36. ¹³C-NMR of compound 10e (100 MHz, CDCl₃)

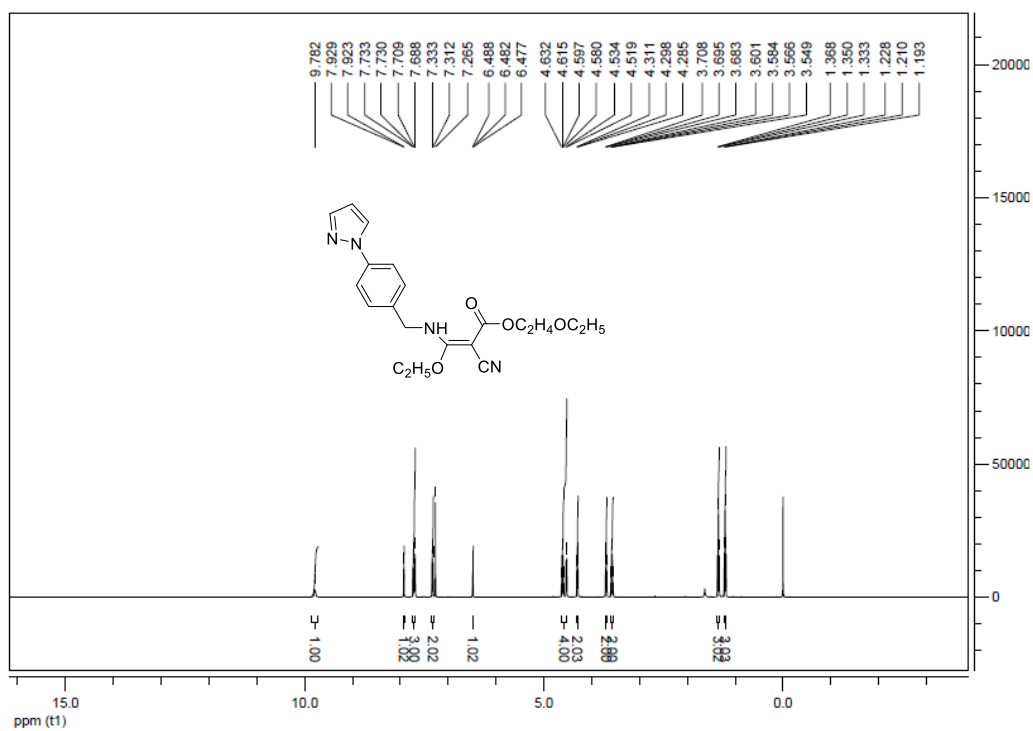


Figure S37. ^1H -NMR of compound **10f** (400 MHz, CDCl_3)

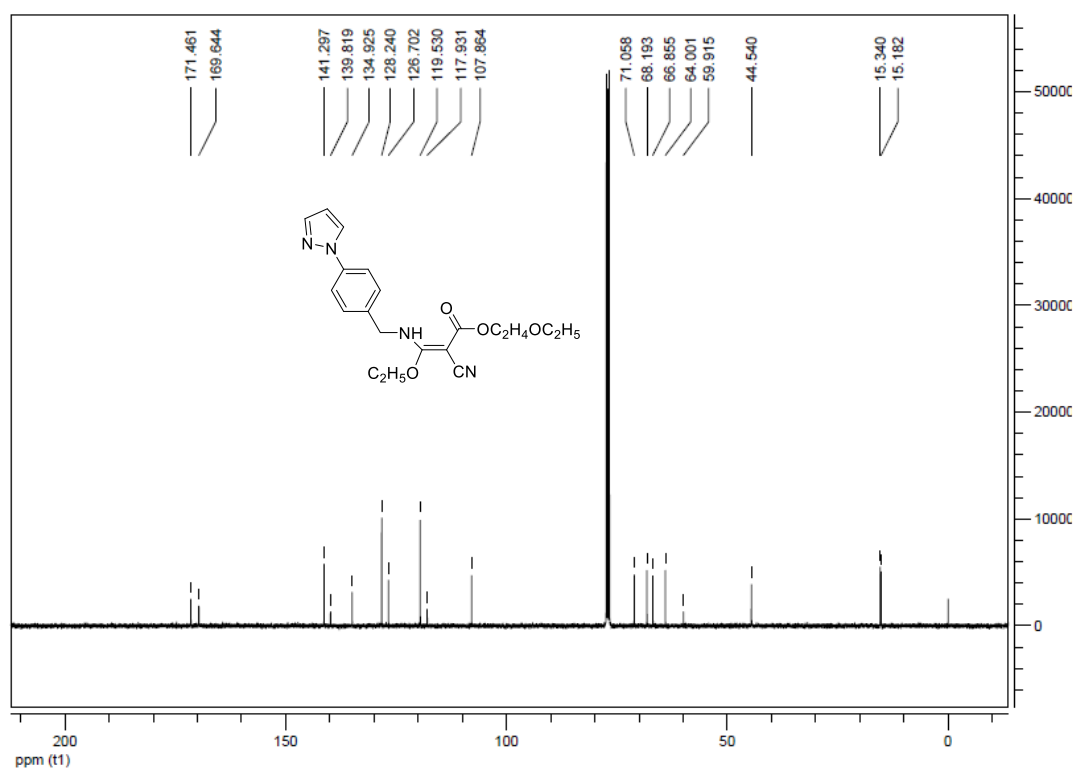


Figure S38. ^{13}C -NMR of compound **10f** (100 MHz, CDCl_3)

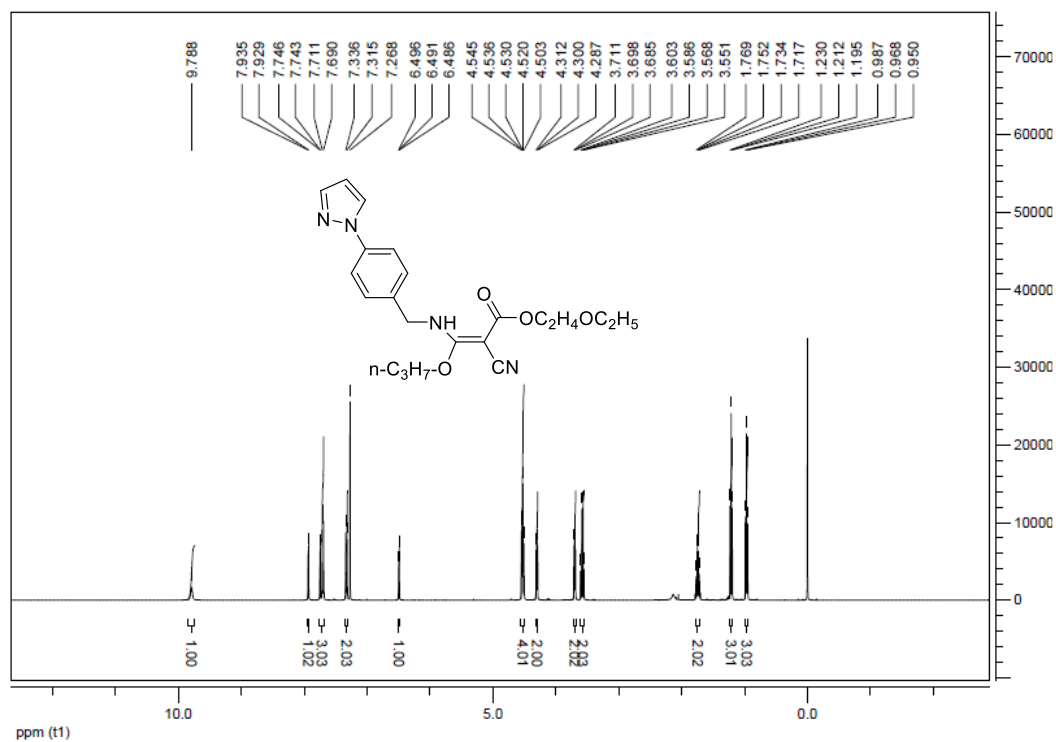


Figure S39. ¹H-NMR of compound **10g** (400 MHz, CDCl₃)

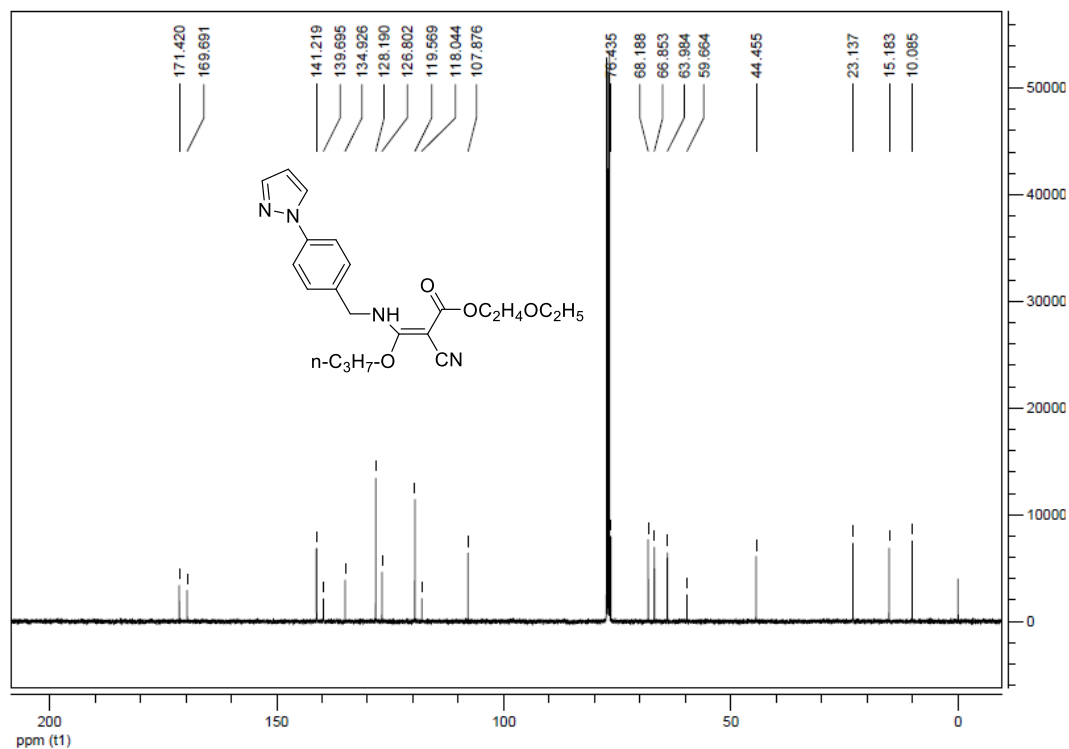


Figure S40. ¹³C-NMR of compound **10g** (100 MHz, CDCl₃)

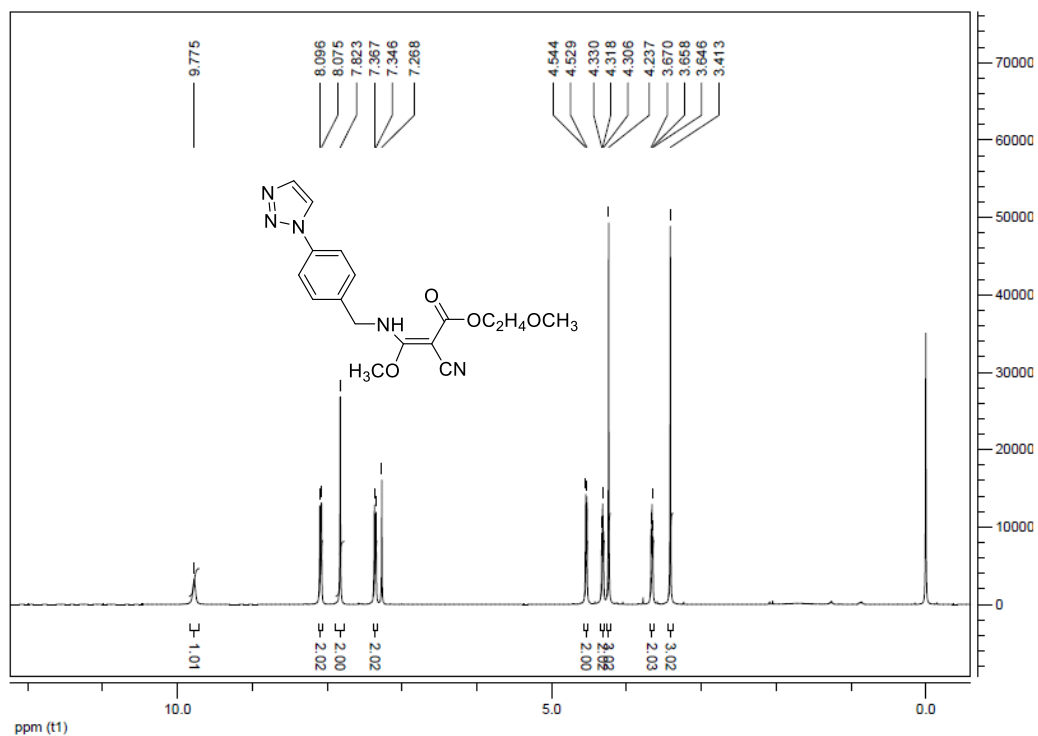


Figure S41. ¹H-NMR of compound **10h** (400 MHz, CDCl₃)

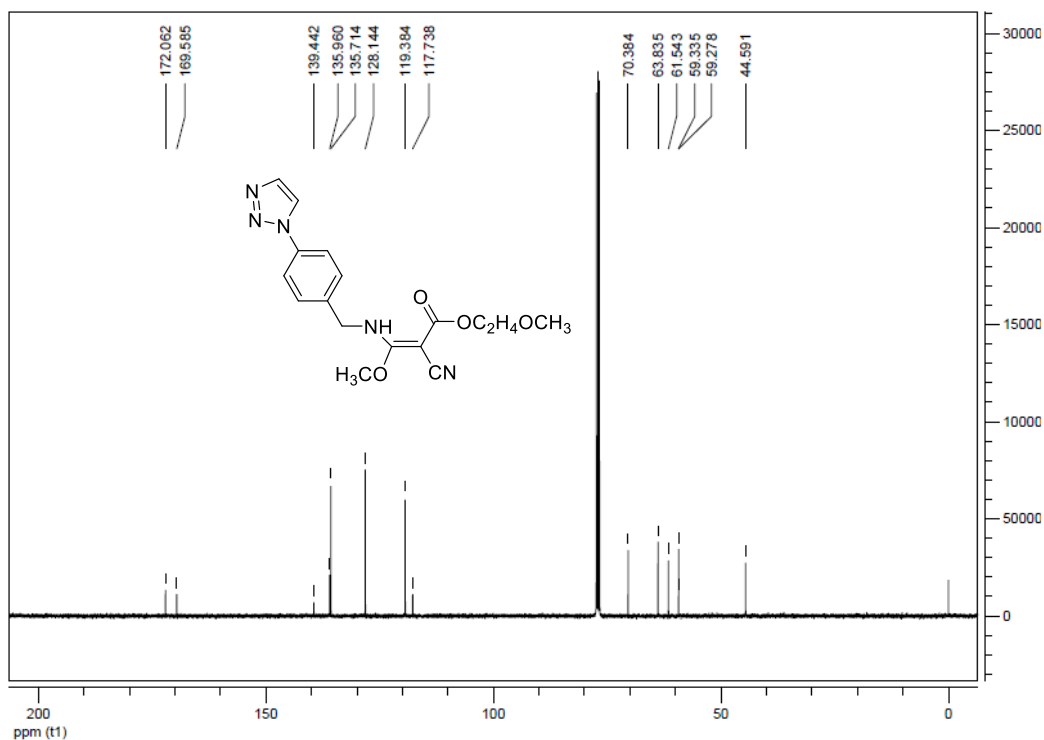


Figure S42. ¹³C-NMR of compound **10h** (100 MHz, CDCl₃)

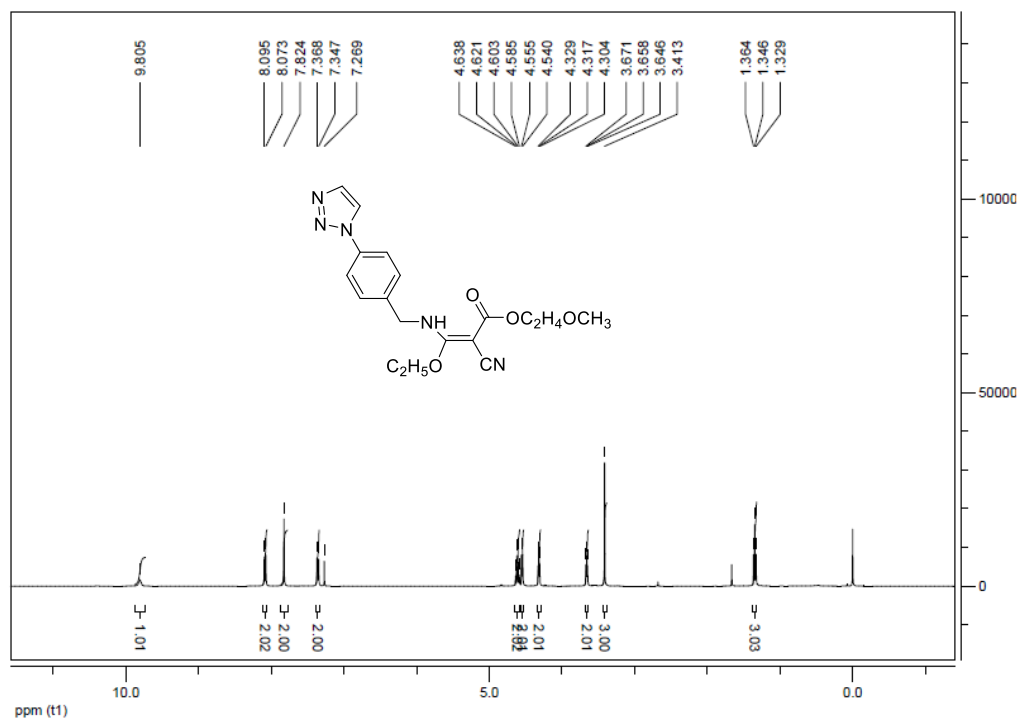


Figure S43. ¹H-NMR of compound **10i** (400 MHz, CDCl₃)

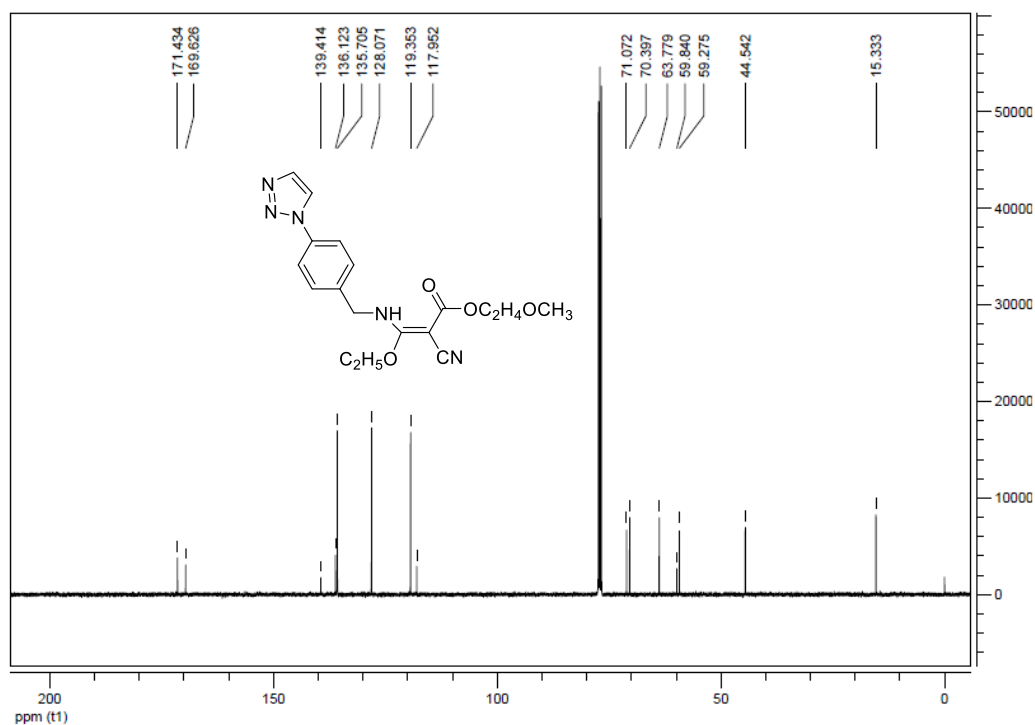


Figure S44. ¹³C-NMR of compound **10i** (100 MHz, CDCl₃)

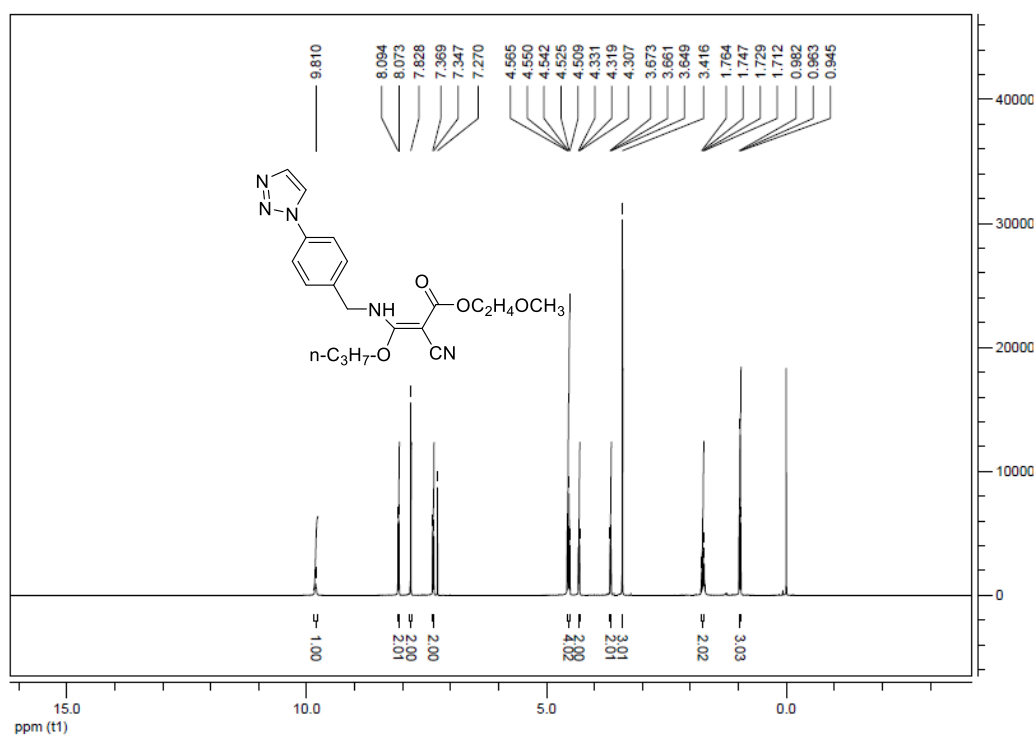


Figure S45. ¹H-NMR of compound **10j** (400 MHz, CDCl₃)

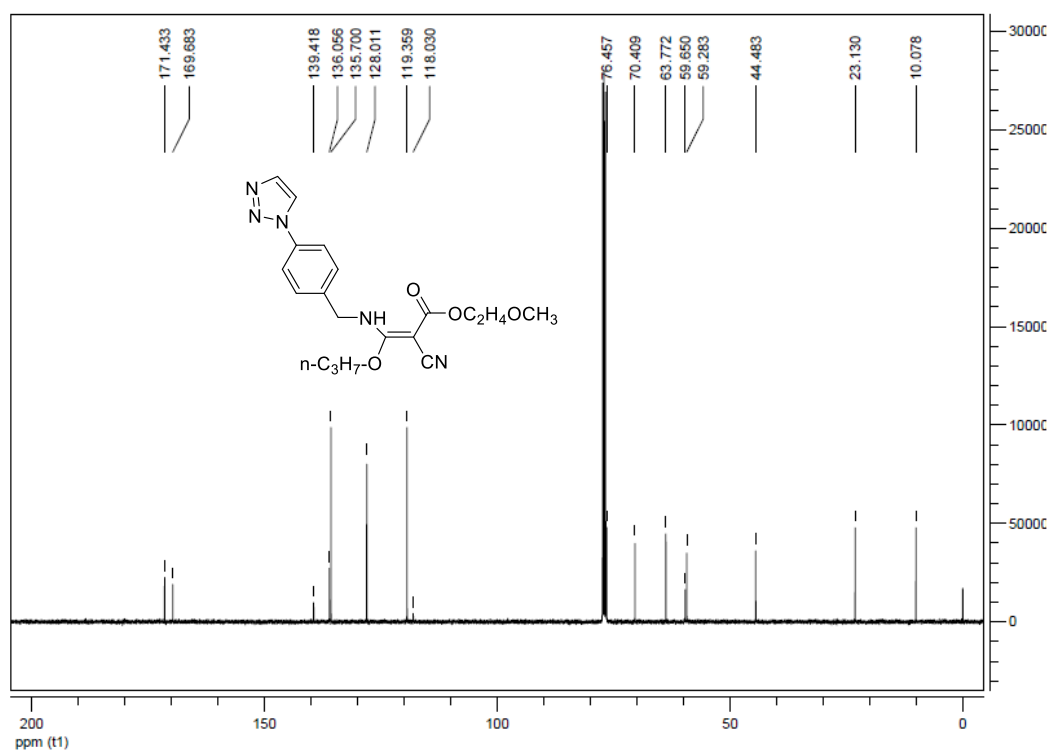


Figure S46. ¹³C-NMR of compound **10j** (100 MHz, CDCl₃)

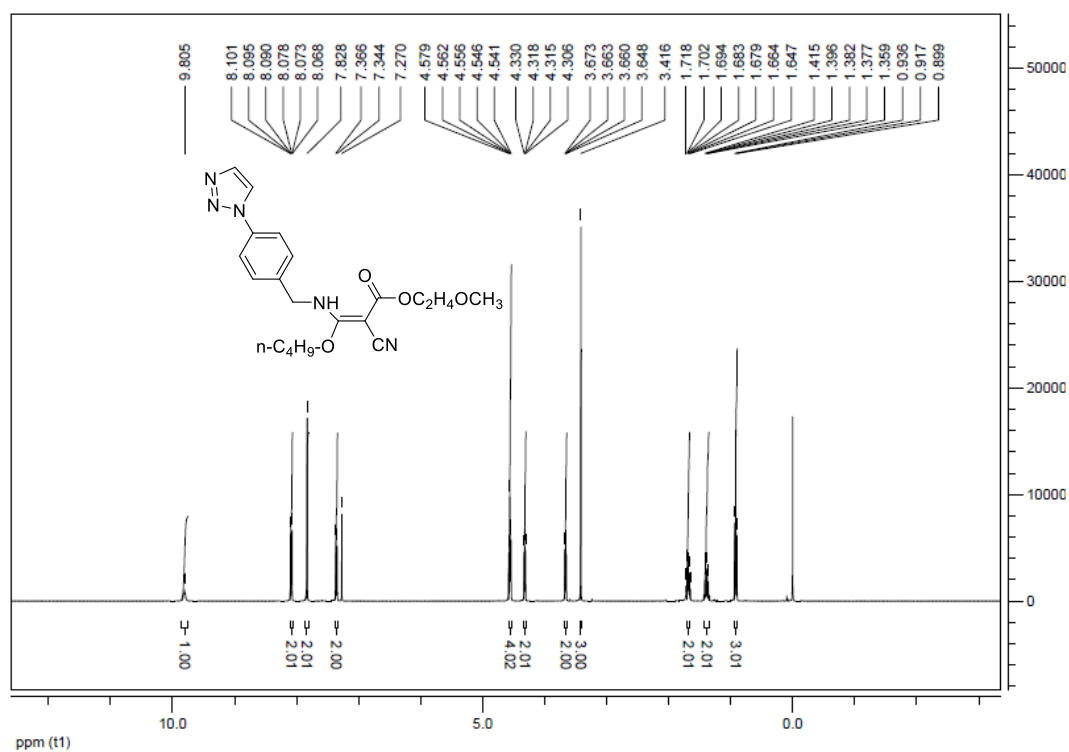


Figure S47. ¹H-NMR of compound **10k** (400 MHz, CDCl₃)

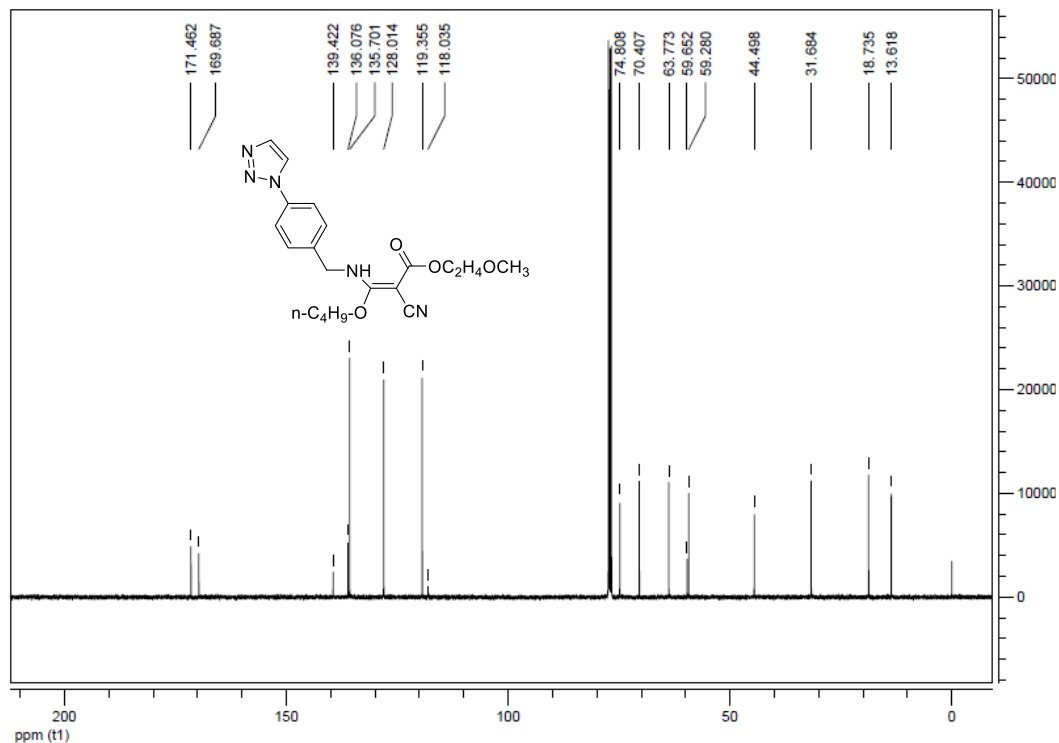


Figure S48. ¹³C-NMR of compound **10k** (100 MHz, CDCl₃)

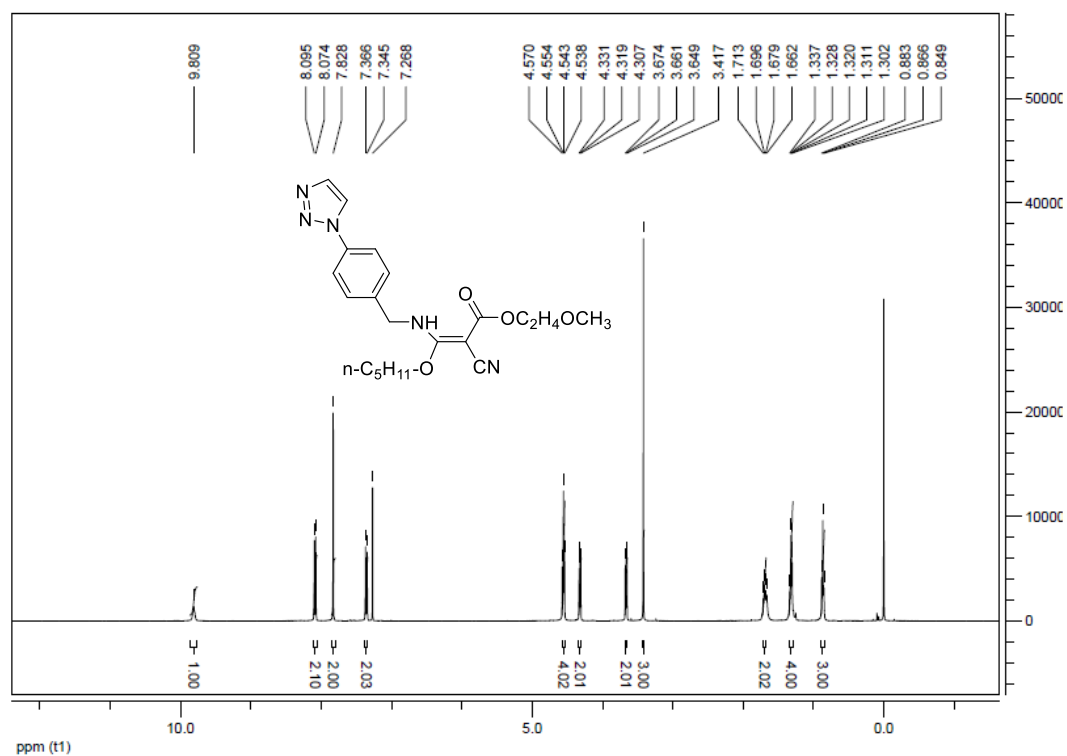


Figure S49. ¹H-NMR of compound **10l** (400 MHz, CDCl₃)

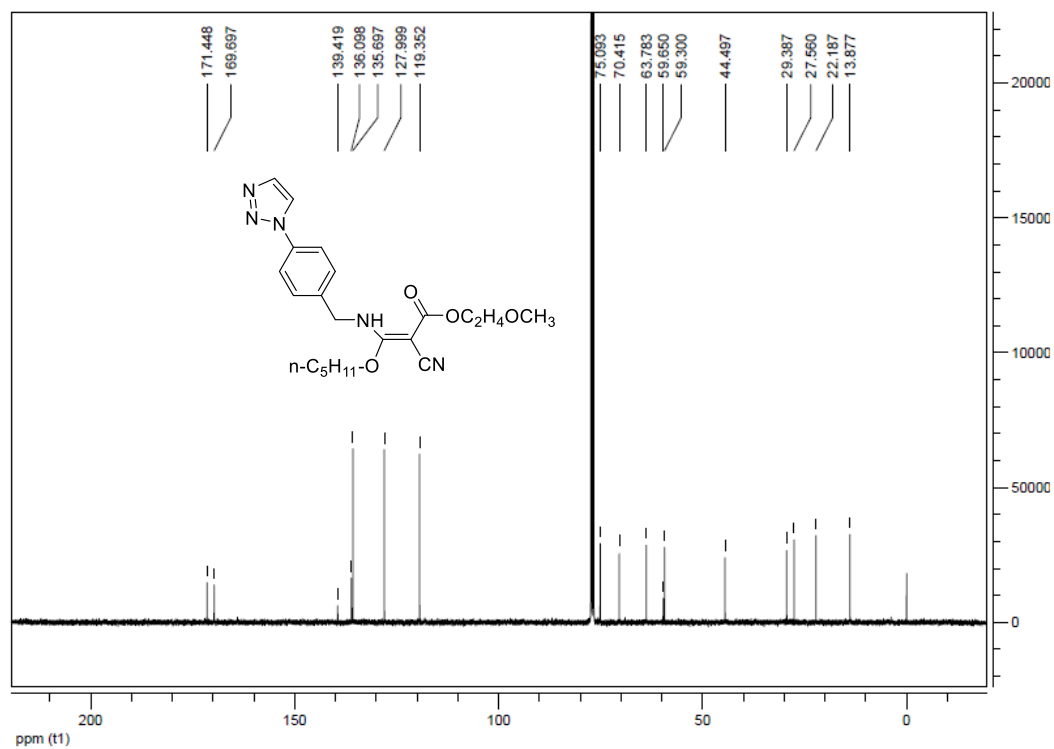


Figure S50. ¹³C-NMR of compound **10l** (100 MHz, CDCl₃)

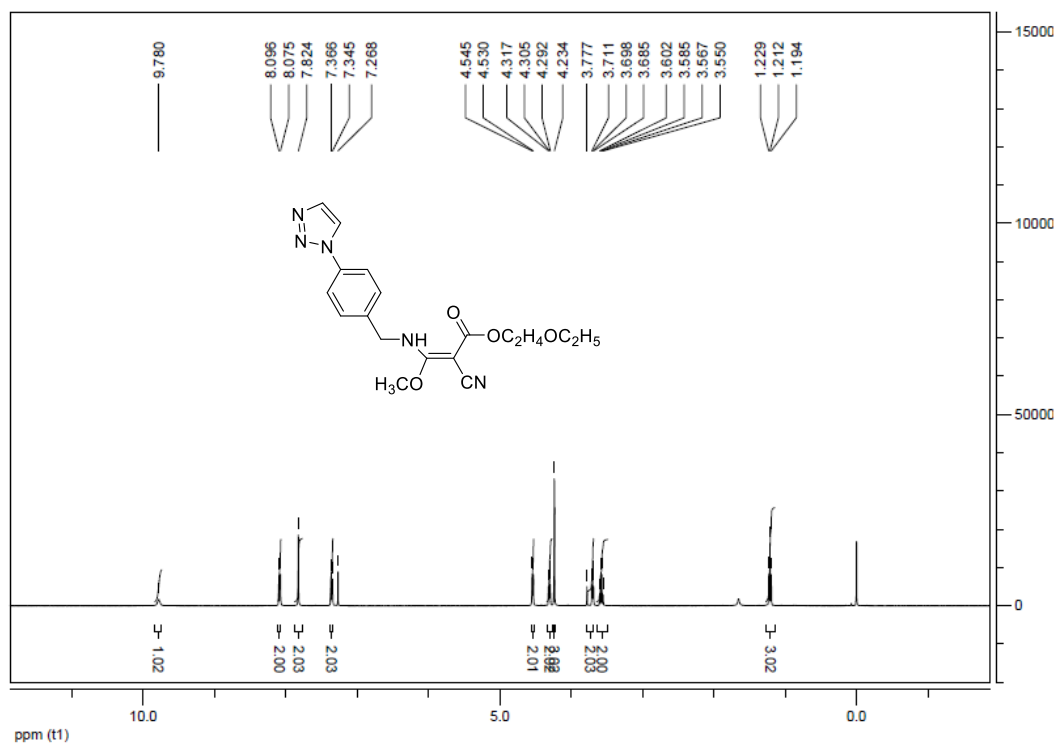


Figure S51. ¹H-NMR of compound **10m** (400 MHz, CDCl₃)

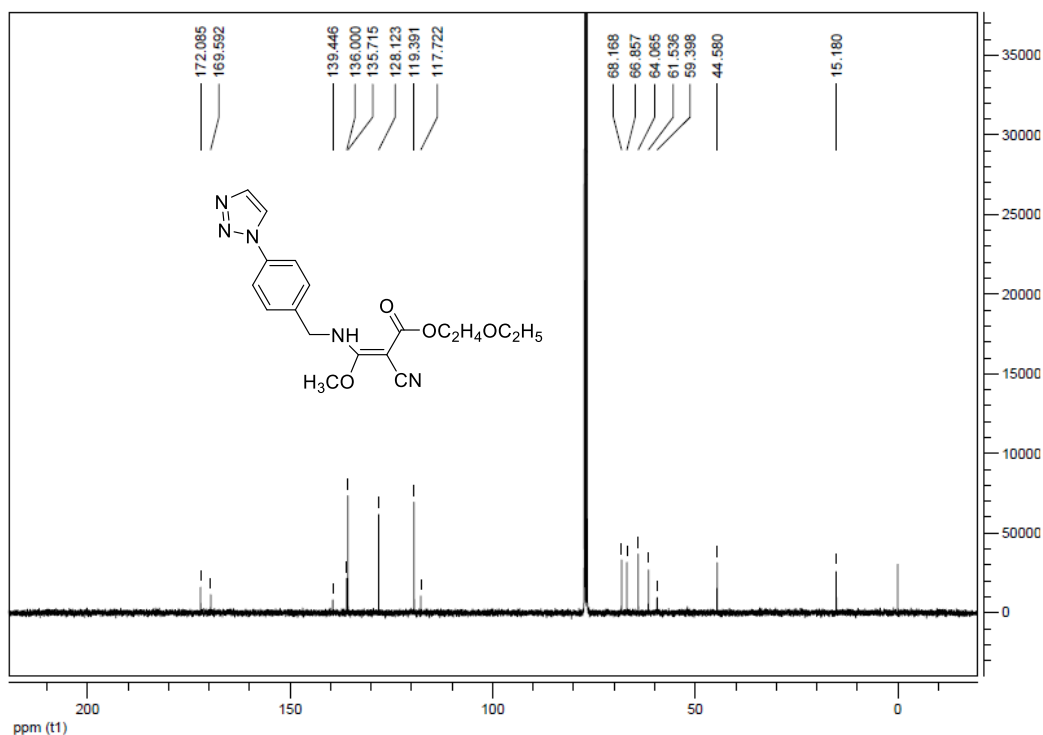


Figure S52. ¹³C-NMR of compound **10m** (100 MHz, CDCl₃)

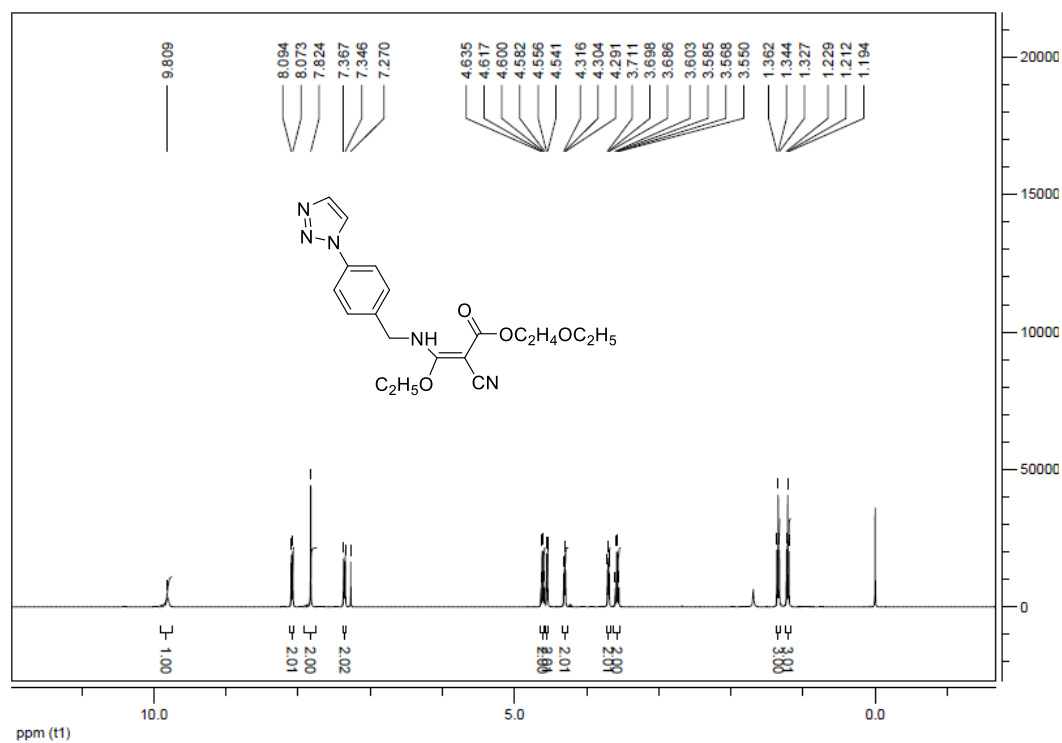


Figure S53. ¹H-NMR of compound **10n** (400 MHz, CDCl₃)

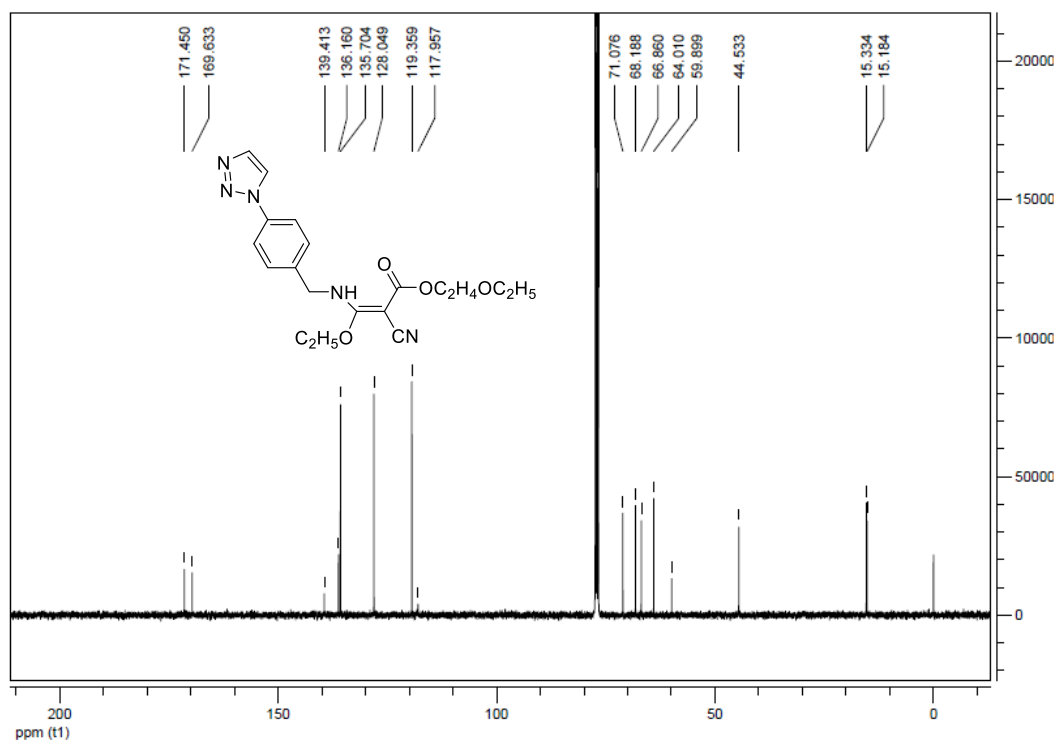


Figure S54. ¹³C-NMR of compound **10n** (100 MHz, CDCl₃)

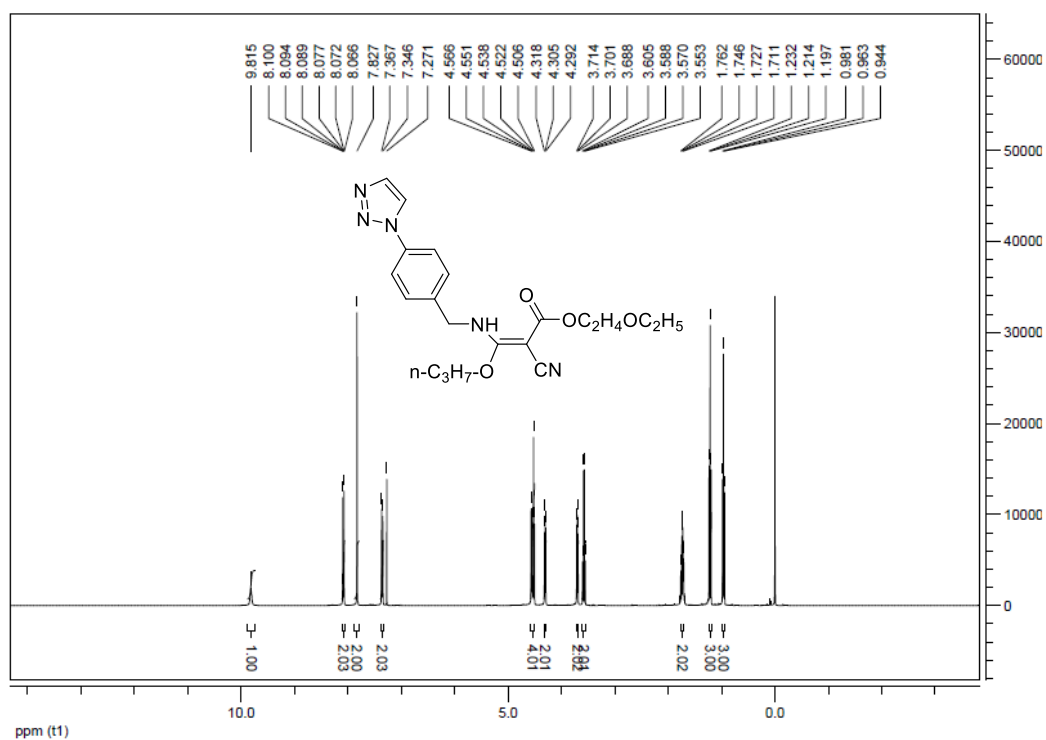


Figure S55. ¹H-NMR of compound **10o** (400 MHz, CDCl₃)

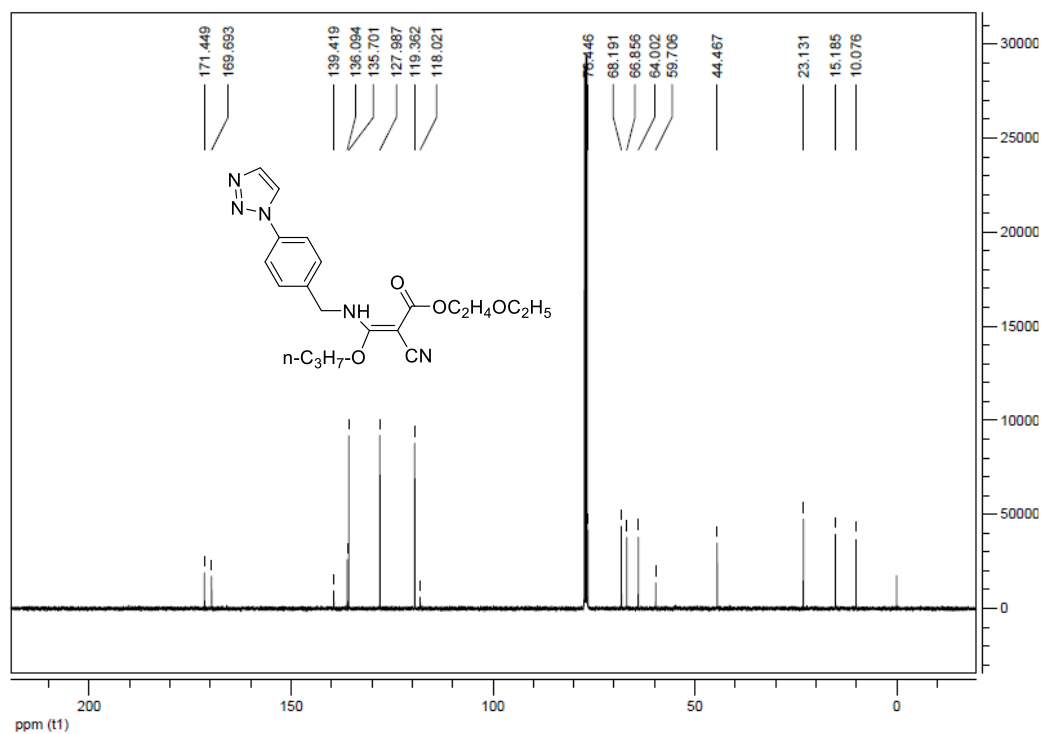


Figure S56. ¹³C-NMR of compound **10o** (100 MHz, CDCl₃)