

Supplementary Information

Low-Energy Impact Mechanochemical Method for the Synthesis of 5-Amino-1,4-Diaryl-1*H*-1,2,3-Triazoles under Solvent-Free Conditions

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This publication is part of the special issue “Organic Synthesis - BMOS”

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Spectra collection for the synthesized molecules

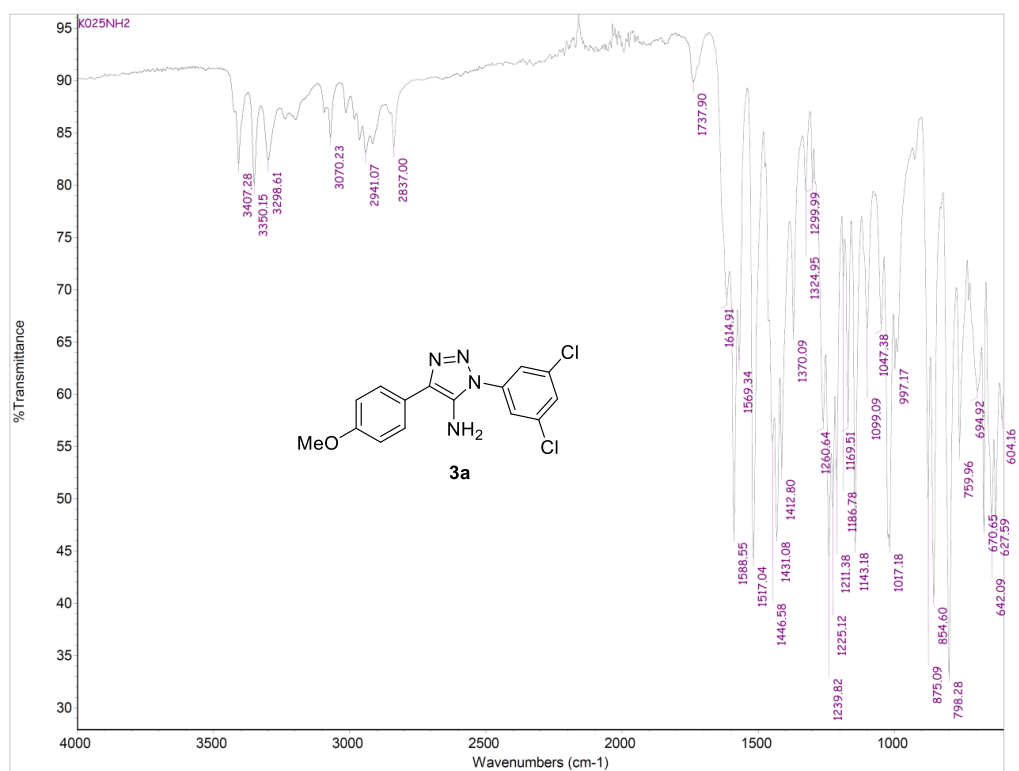


Figure S1. FTIR (neat) spectrum of compound **3a**.

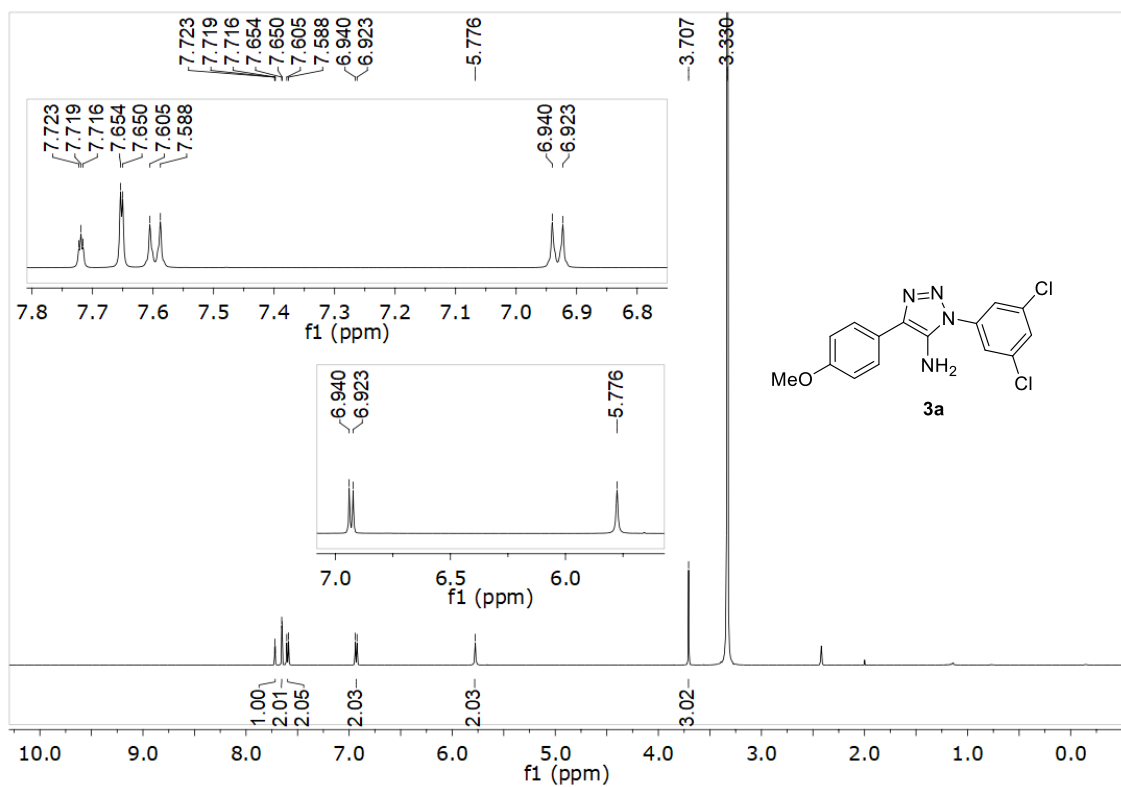


Figure S2. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3a**.

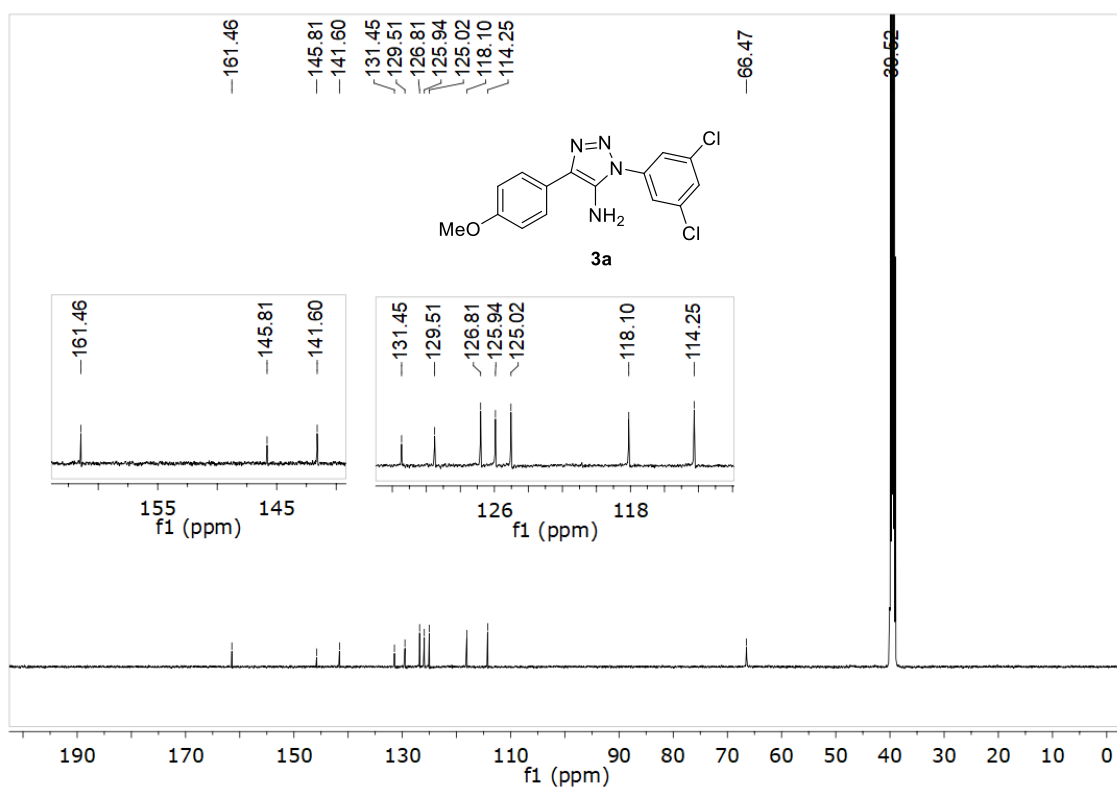


Figure S3. ^{13}C NMR spectrum (125 MHz, $\text{DMSO-}d_6$) of **3a**.

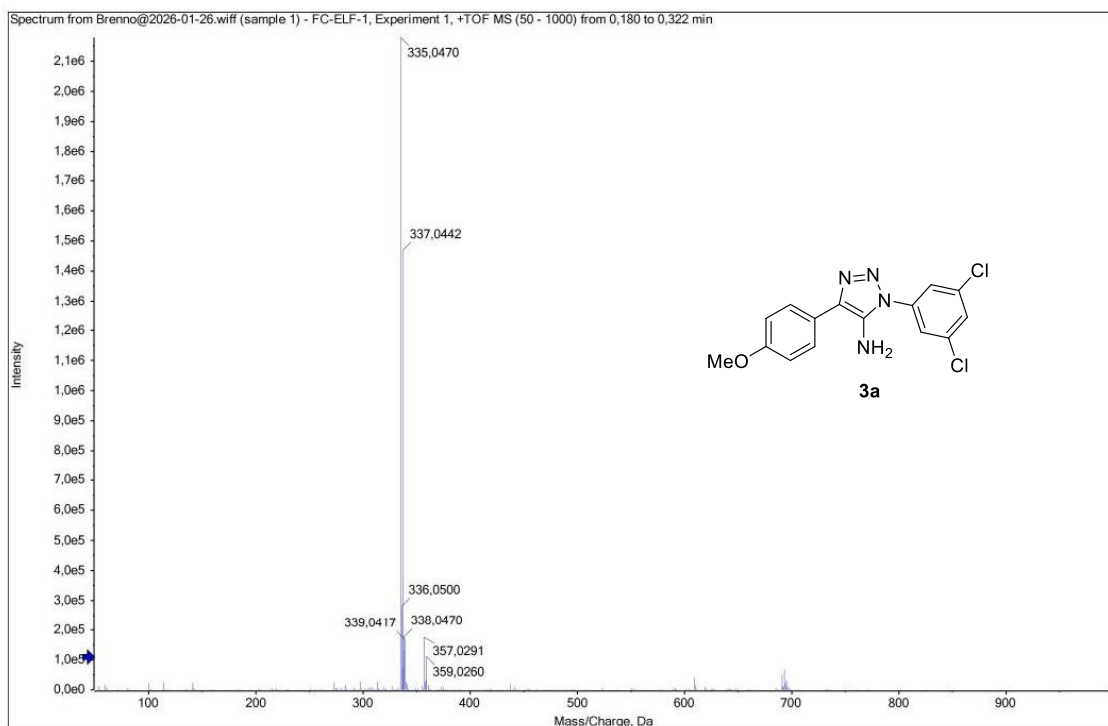


Figure S4. HRMS spectrum of **3a**.

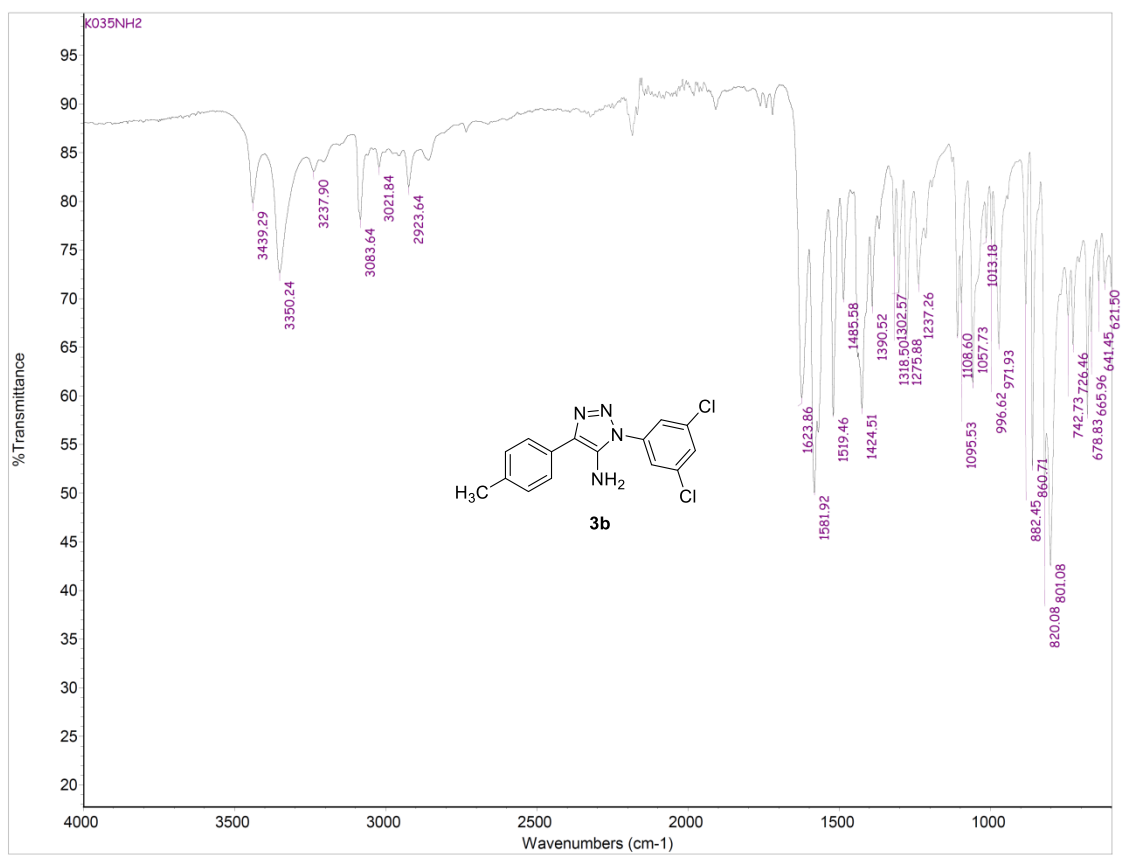


Figure S5. FTIR (neat) spectrum of compound **3b**.

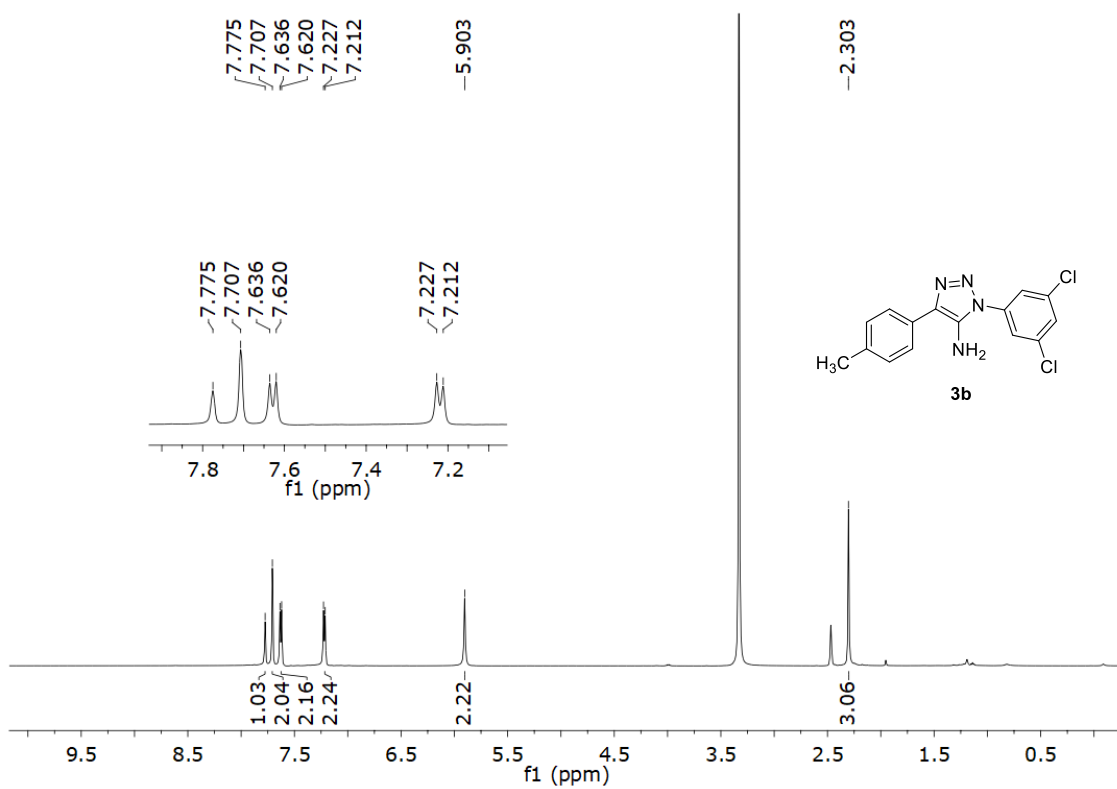


Figure S6. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3b**.

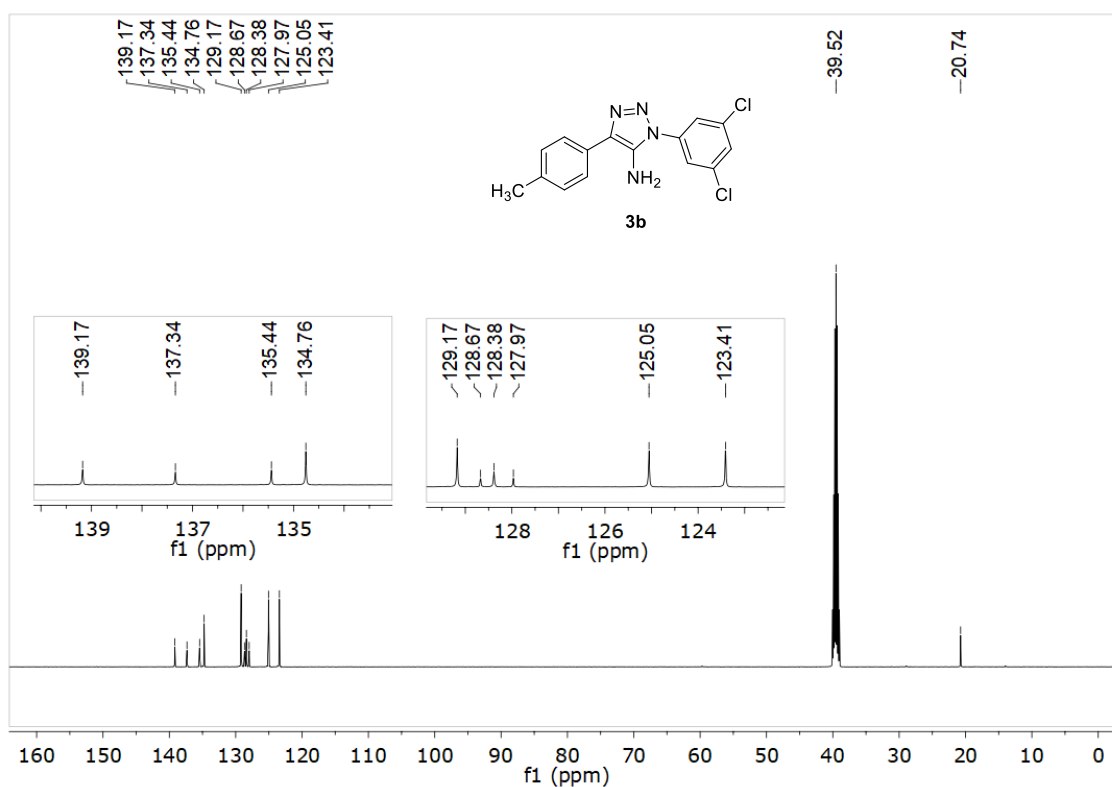


Figure S7. ¹³C NMR spectrum (125 MHz, DMSO-*d*₆) of **3b**.

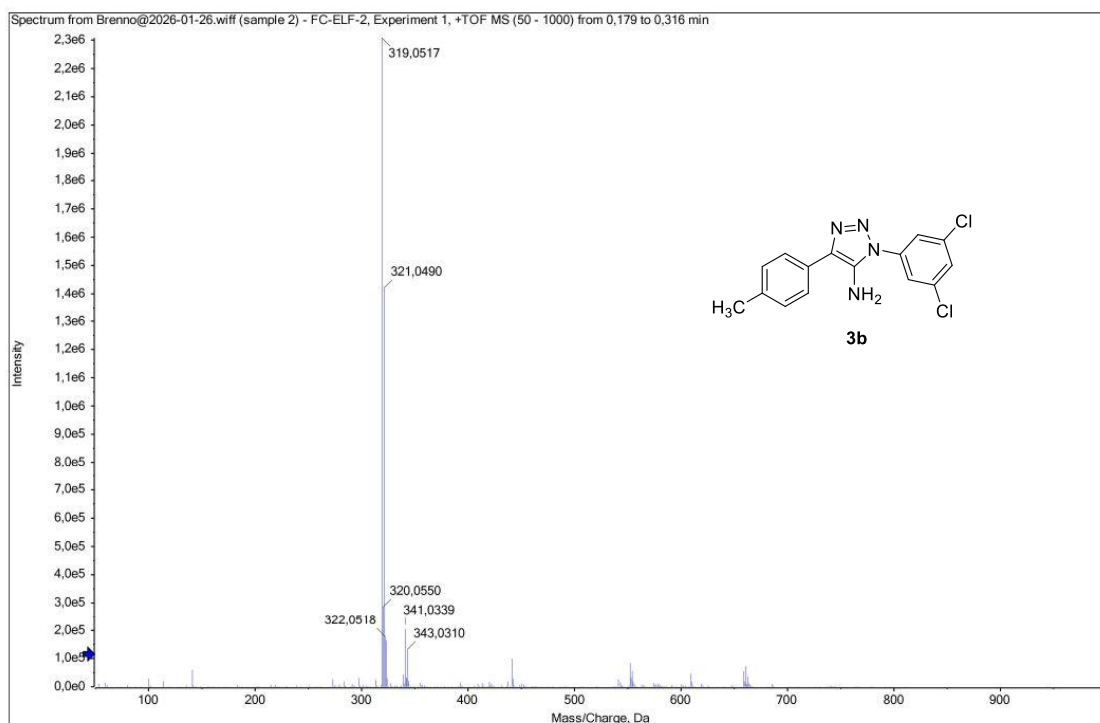


Figure S8. HRMS spectrum of **3b**.

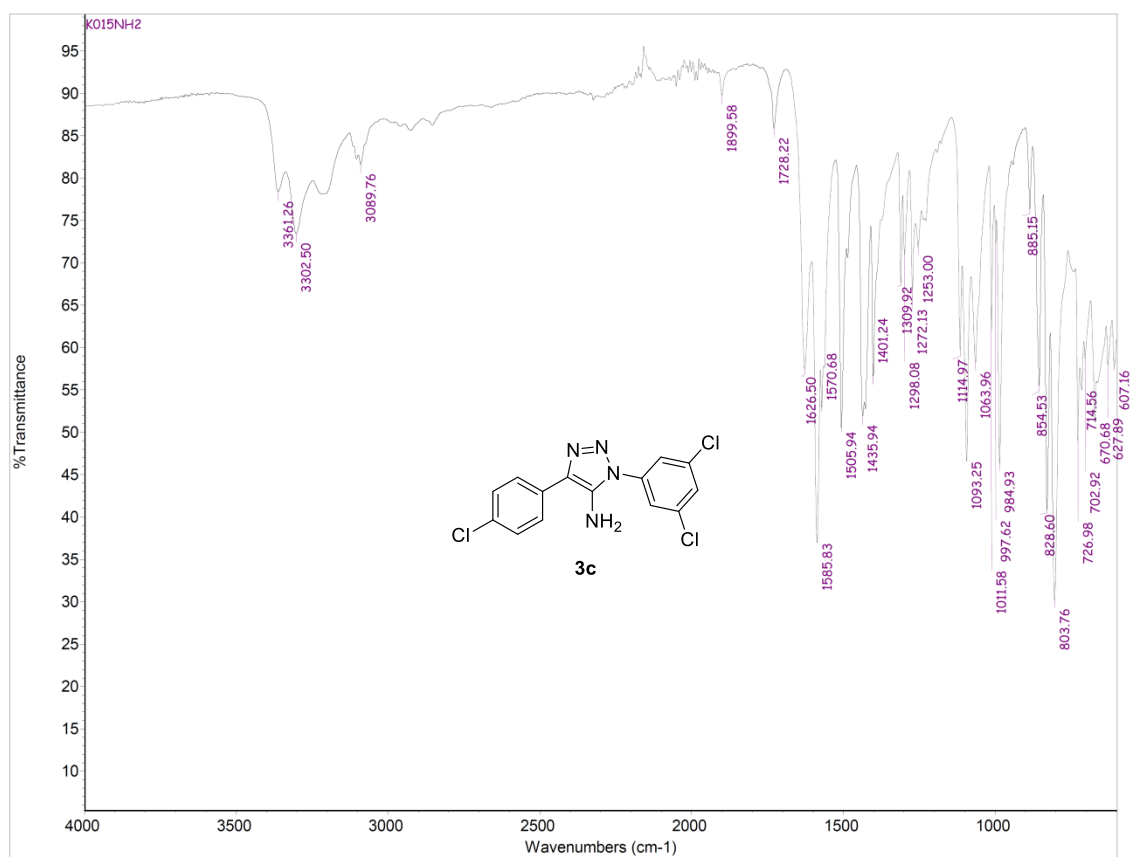


Figure S9. FTIR (neat) spectrum of compound **3c**.

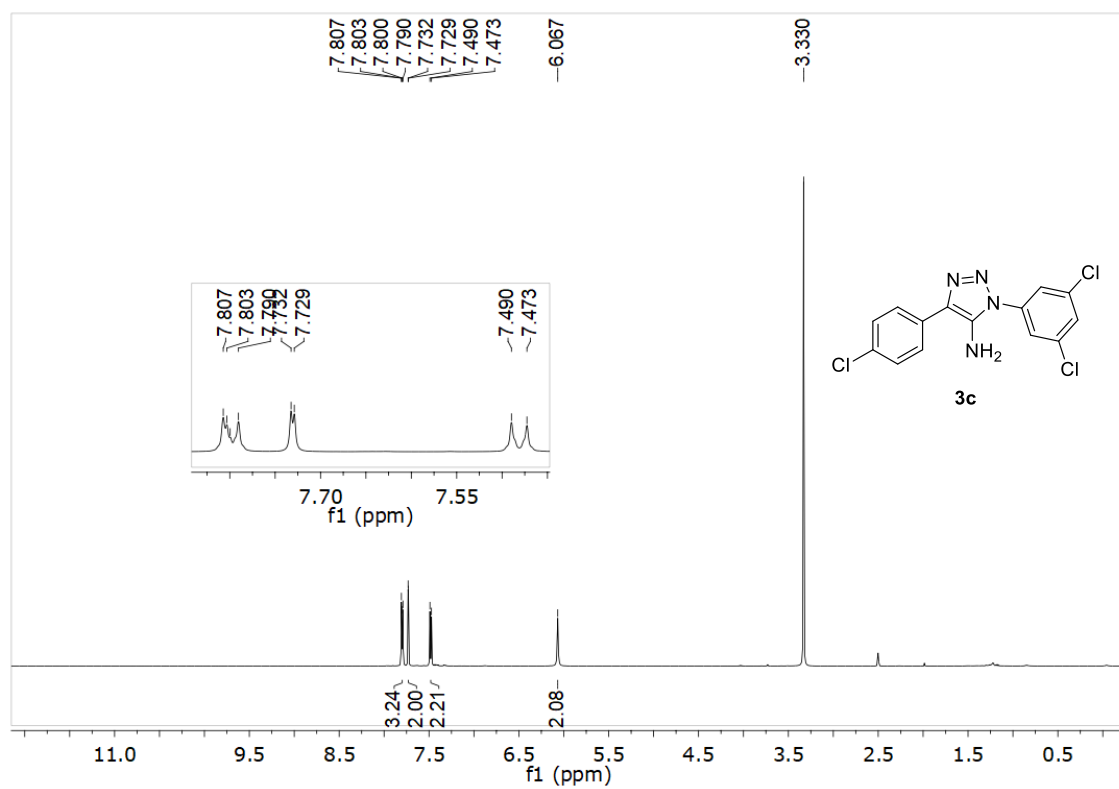


Figure S10. ¹H NMR spectrum (500 MHz, DMSO-d₆) of **3c**.

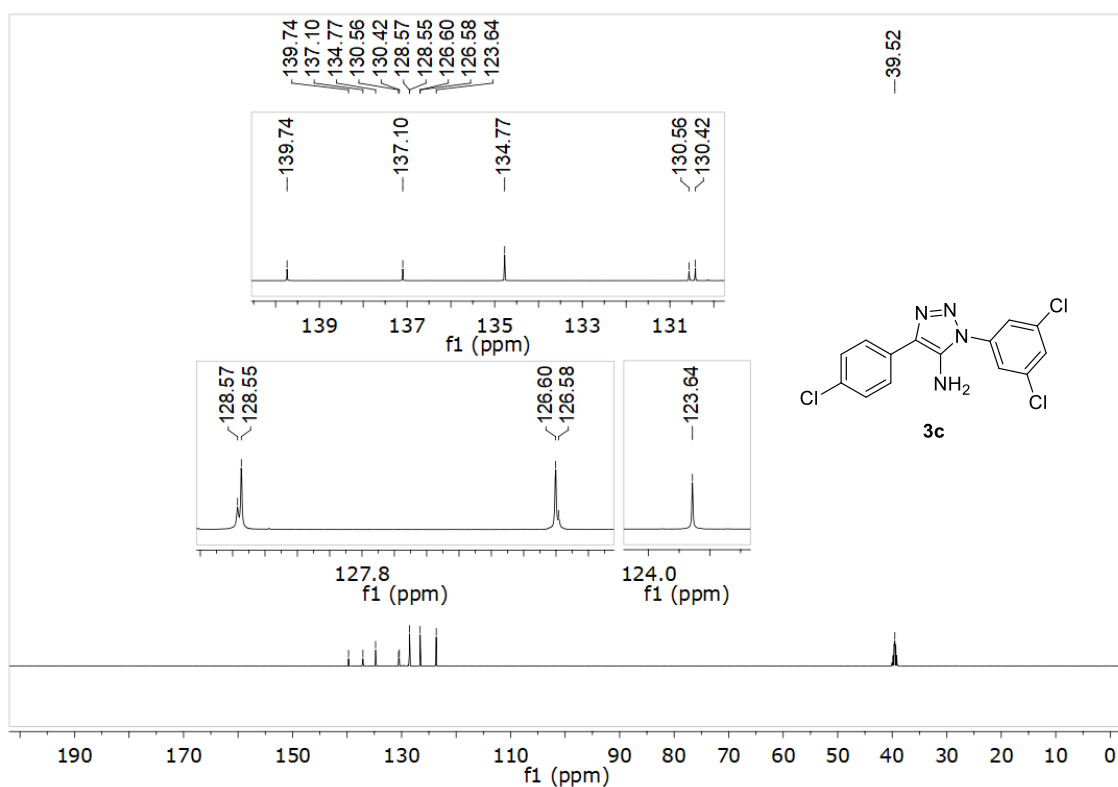


Figure S11. ^{13}C NMR spectrum (125 MHz, DMSO-d_6) of **3c**.

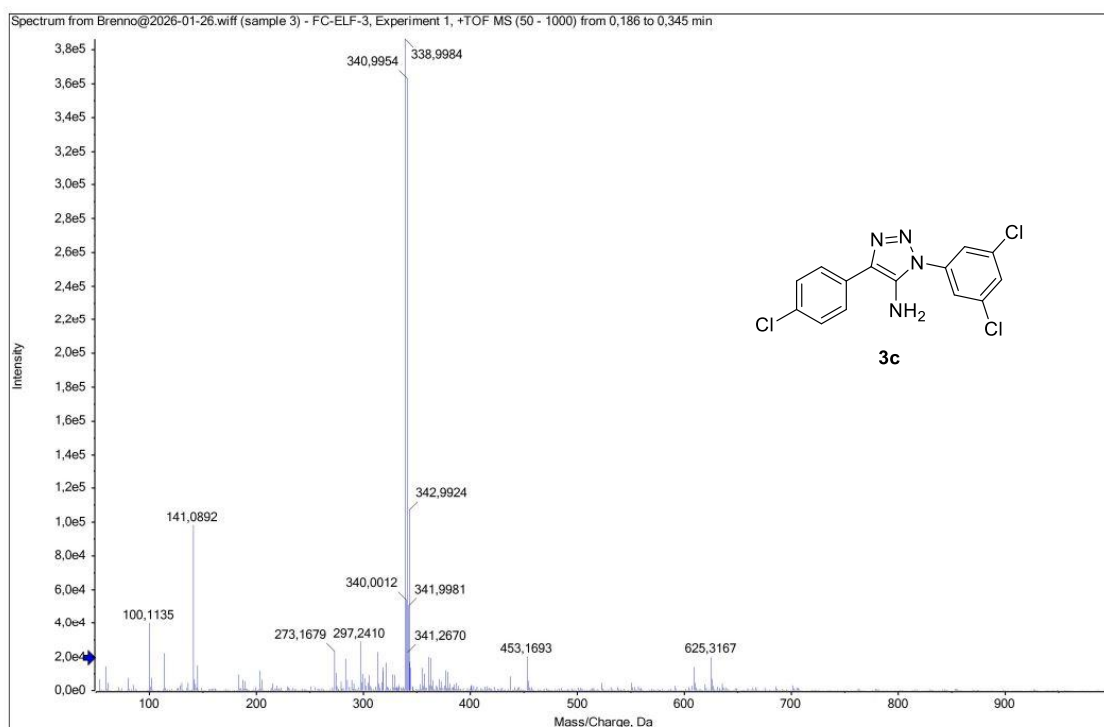


Figure S12. HRMS spectrum of **3c**.

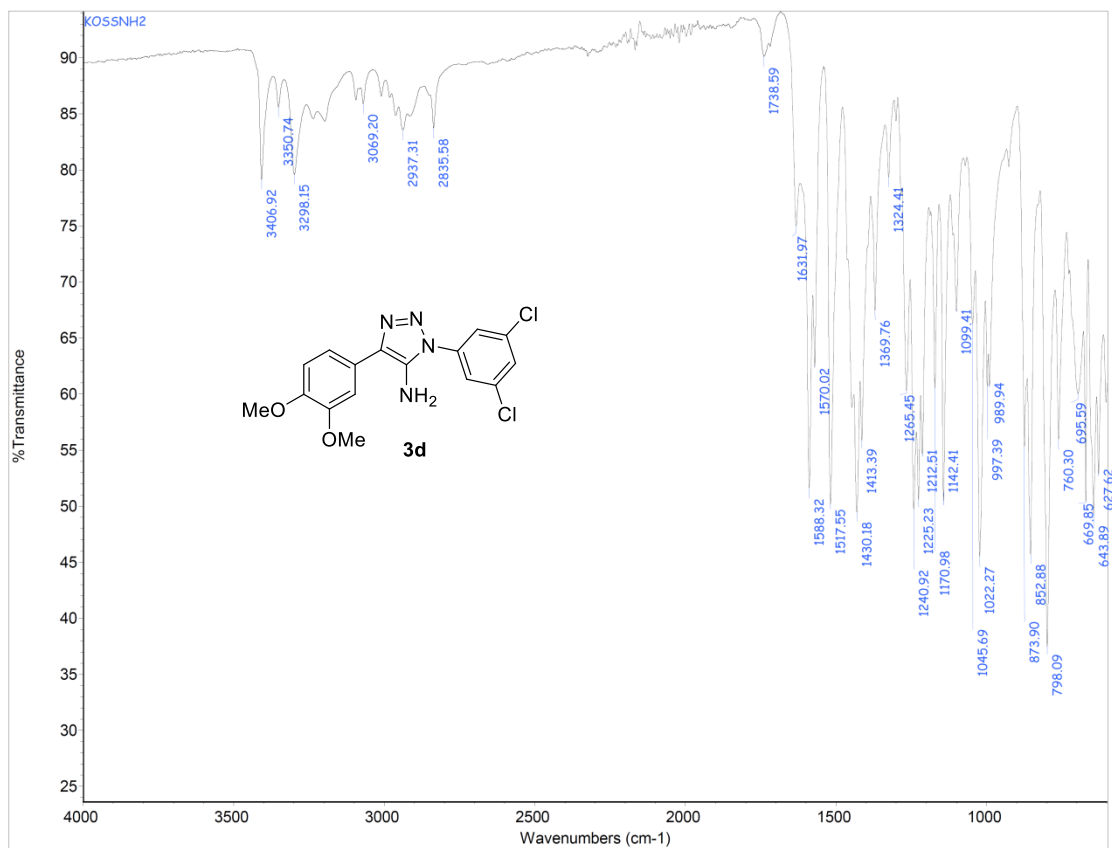


Figure S13. FTIR (neat) spectrum of compound **3d**.

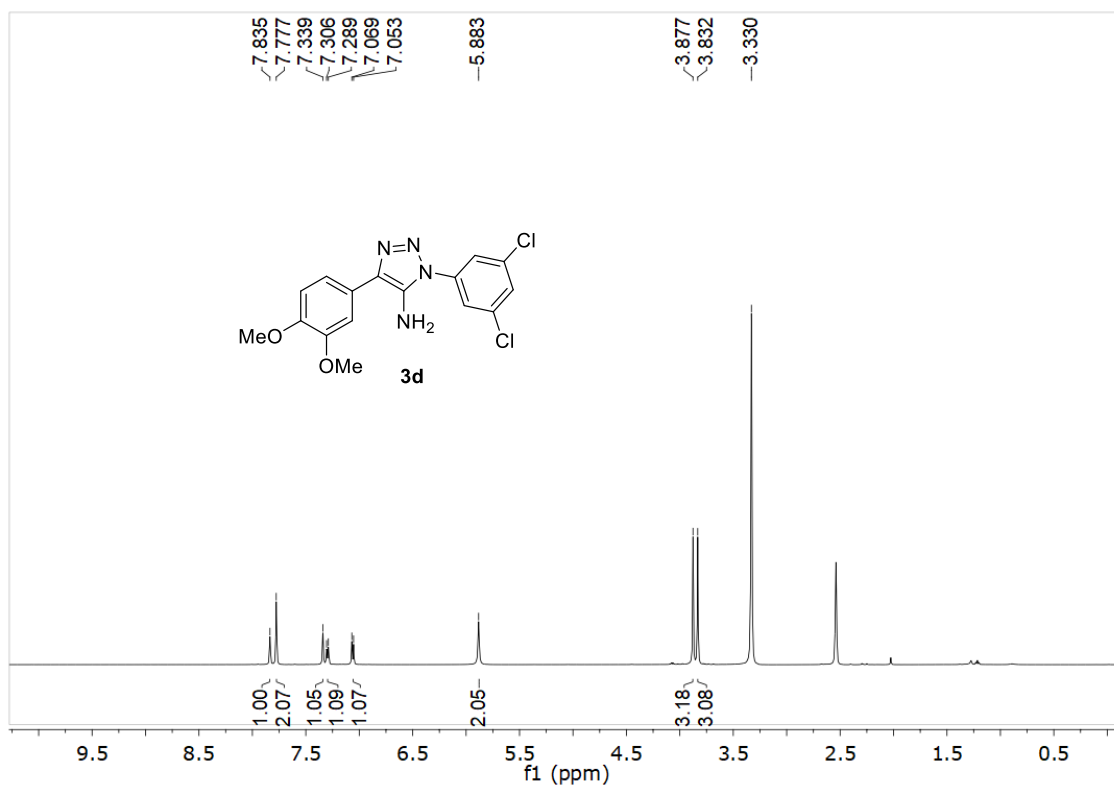


Figure S14. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3d**.

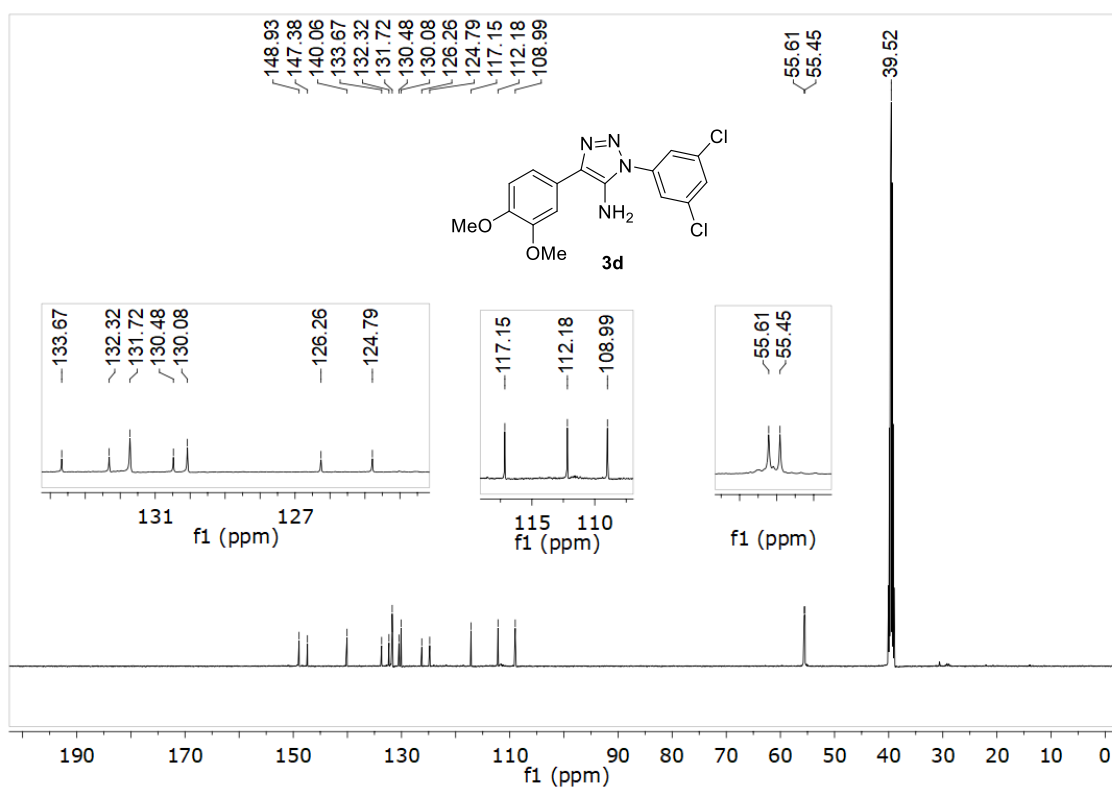


Figure S15. ^{13}C NMR spectrum (125 MHz, $\text{DMSO}-d_6$) of **3d**.

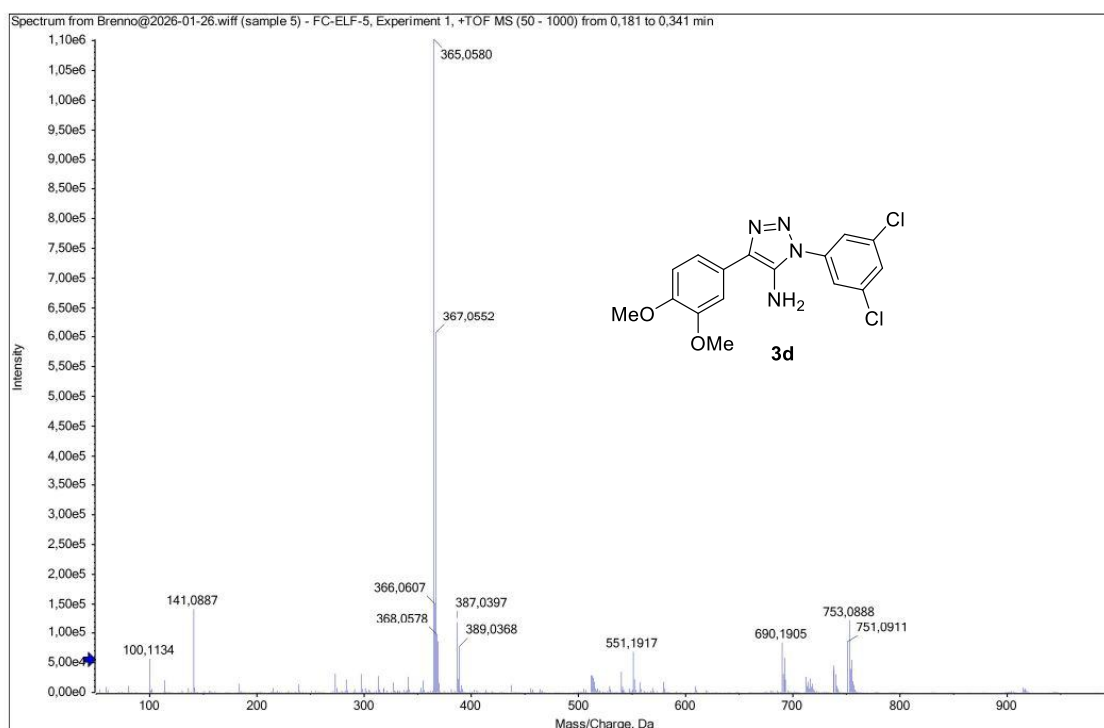


Figure S16. HRMS spectrum of **3d**.

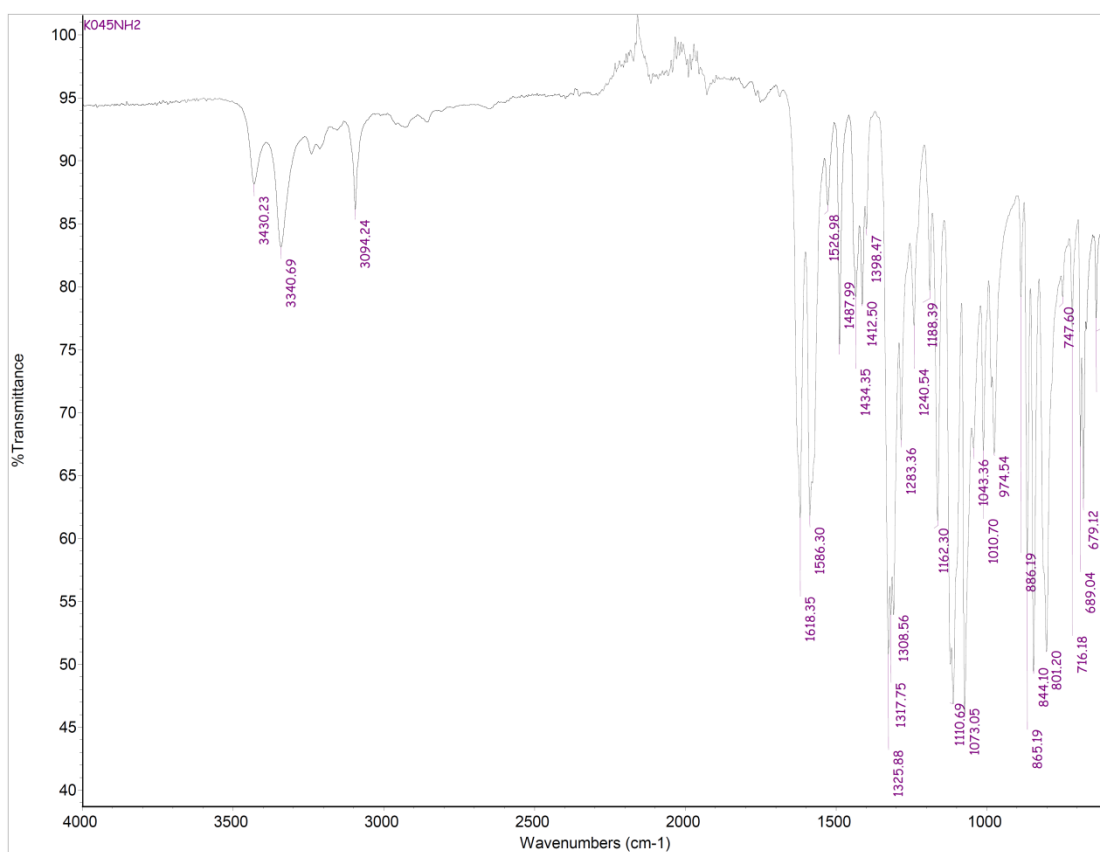


Figure S17. FTIR (neat) spectrum of compound **3e**.

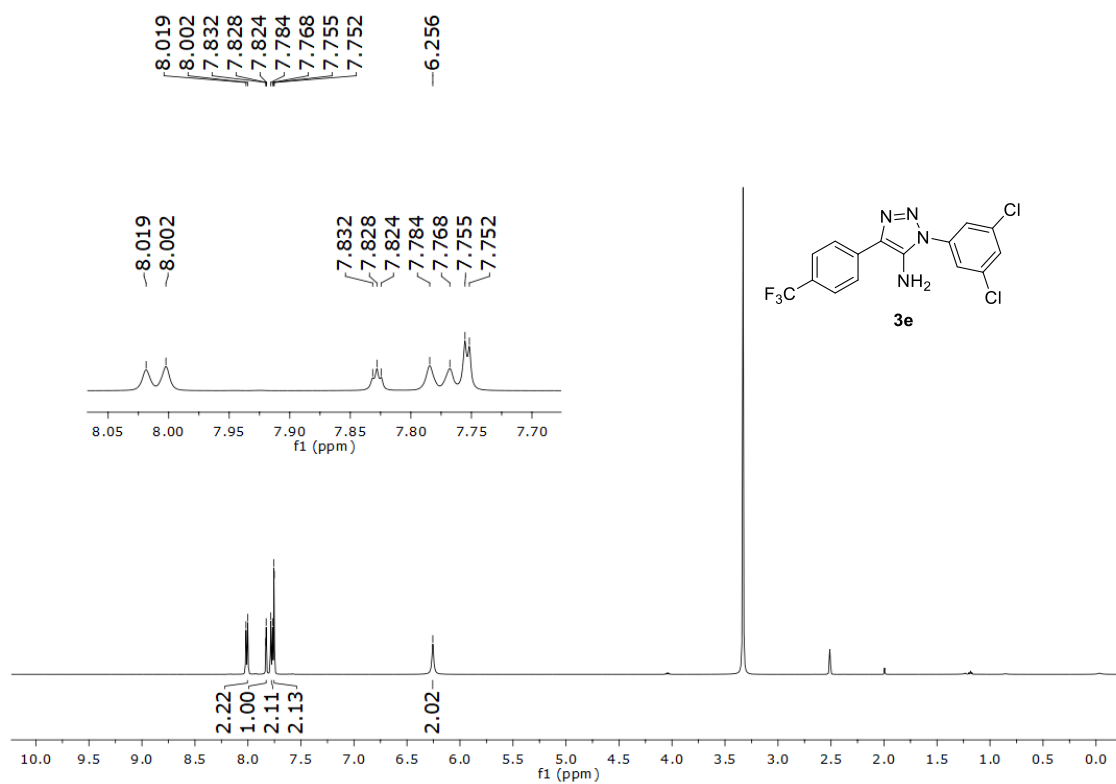


Figure S18. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3e**.

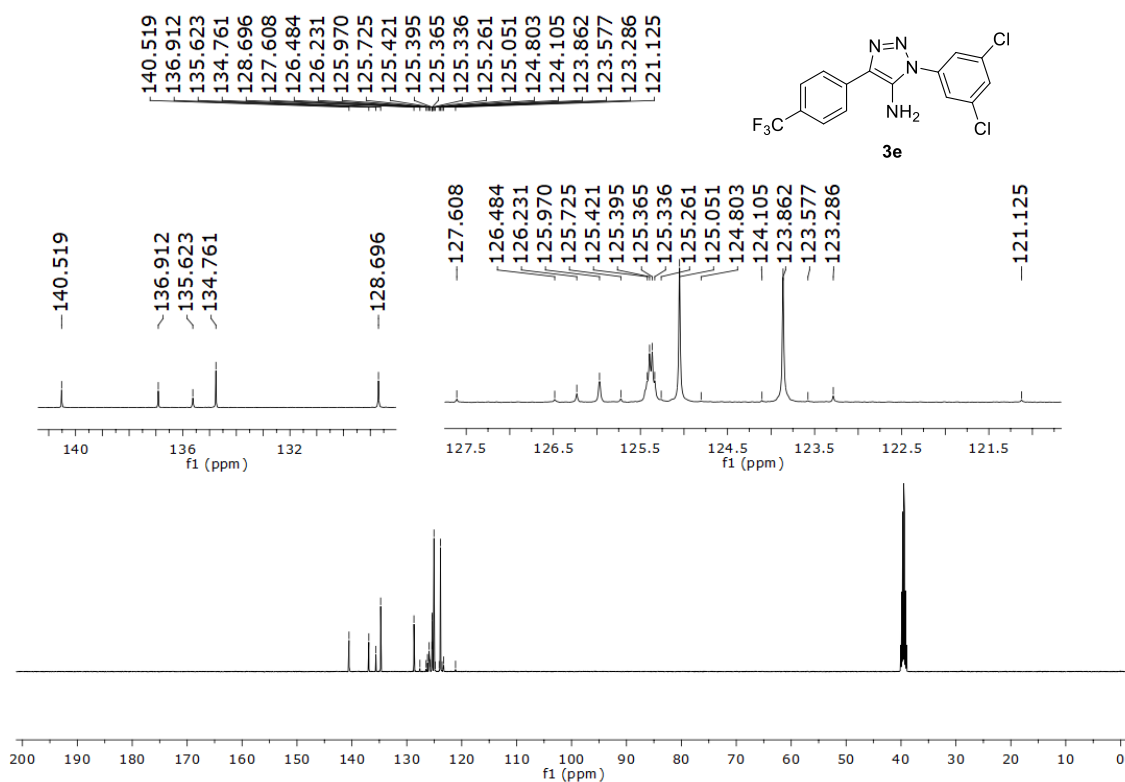


Figure S19. ¹³C NMR spectrum (125 MHz, DMSO-*d*₆) of **3e**.

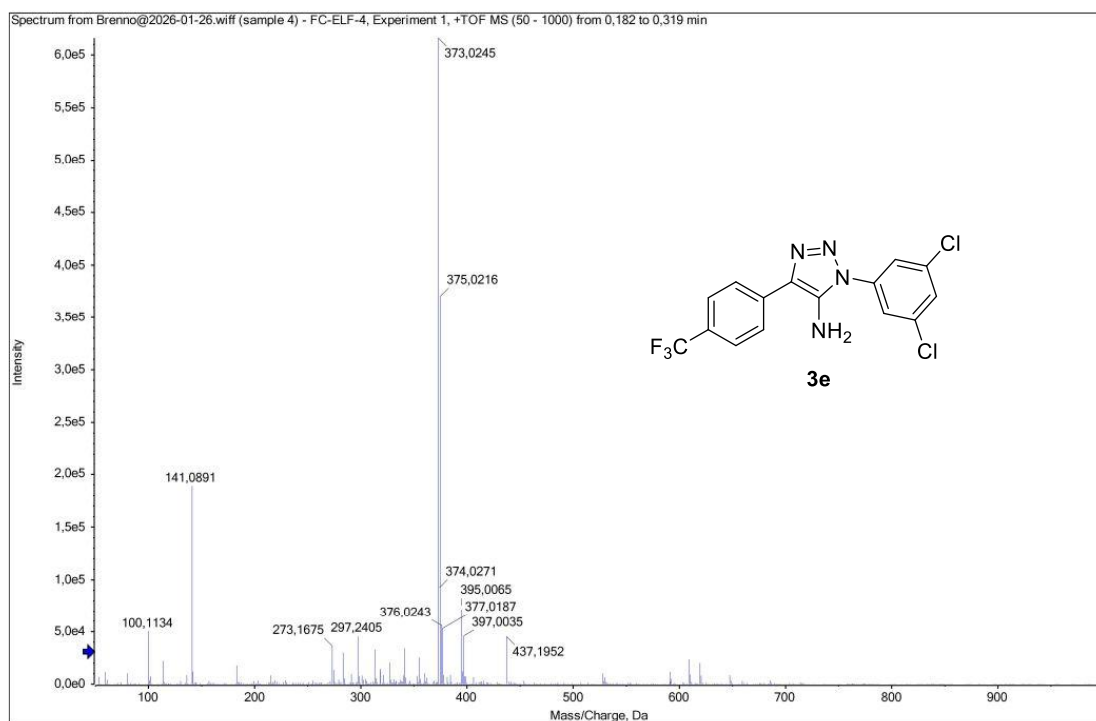


Figure S20. HRMS spectrum of **3e**.

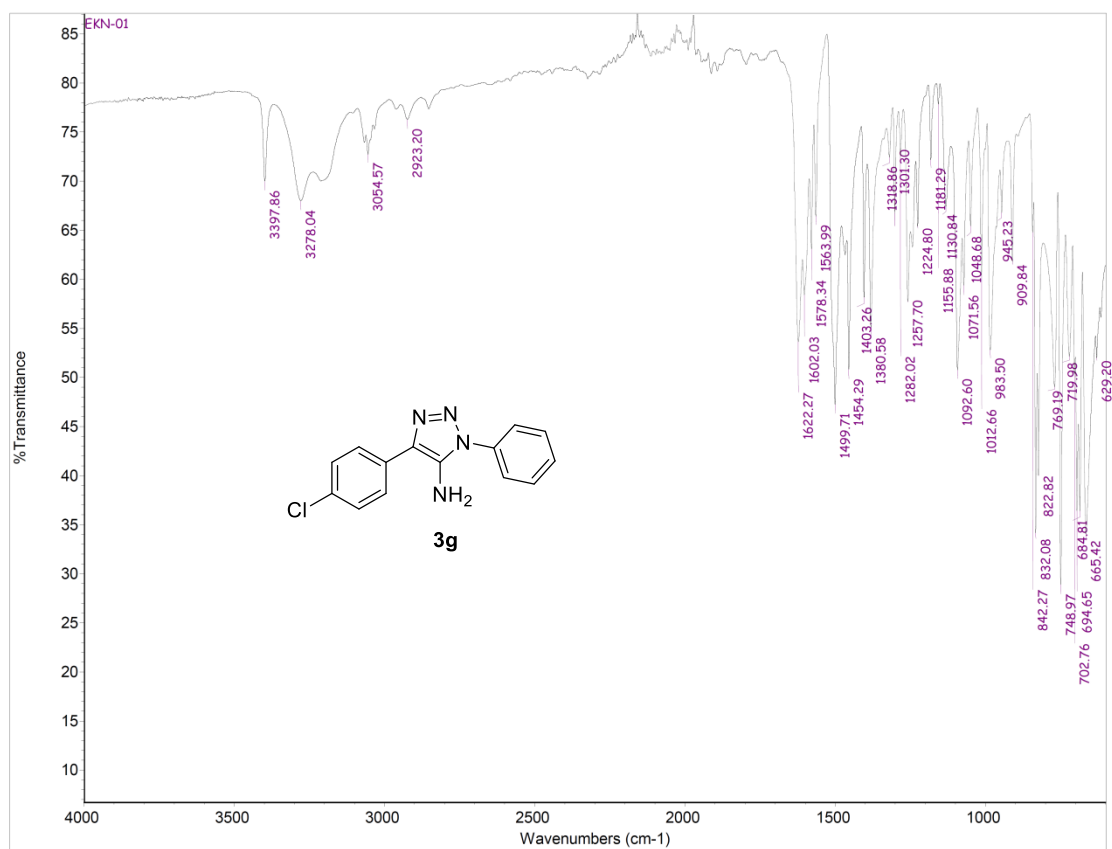


Figure S21. FTIR (neat) spectrum of compound **3g**.

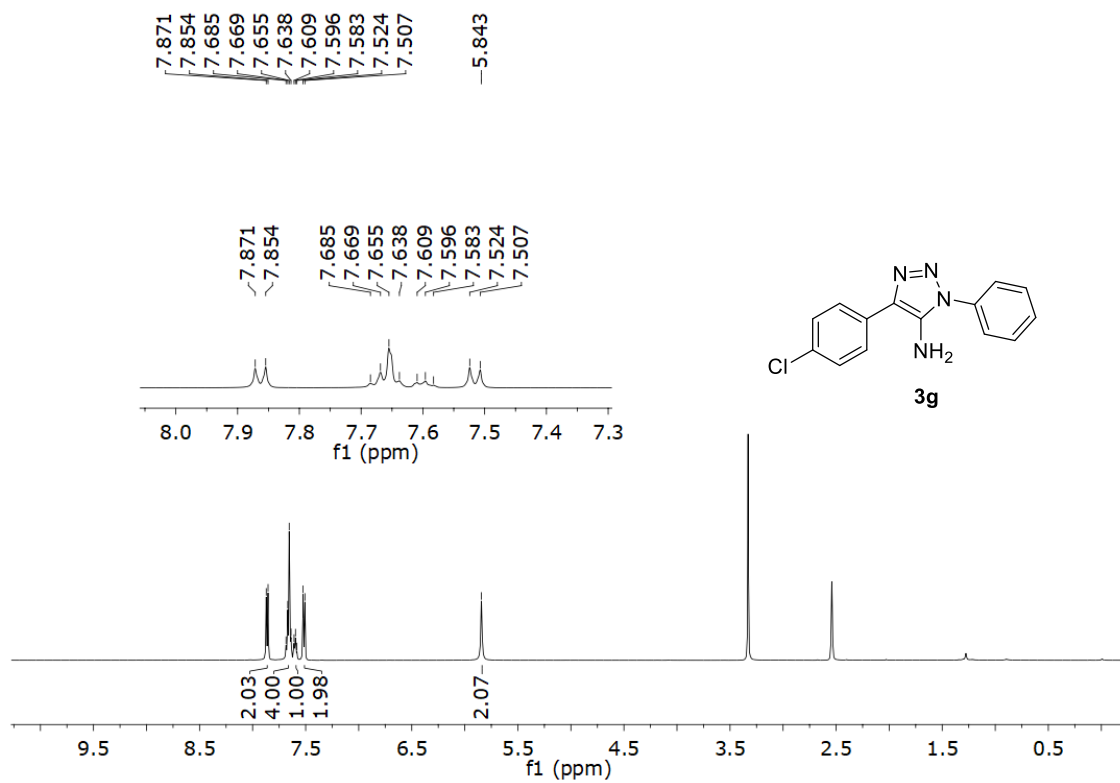


Figure S22. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3g**.

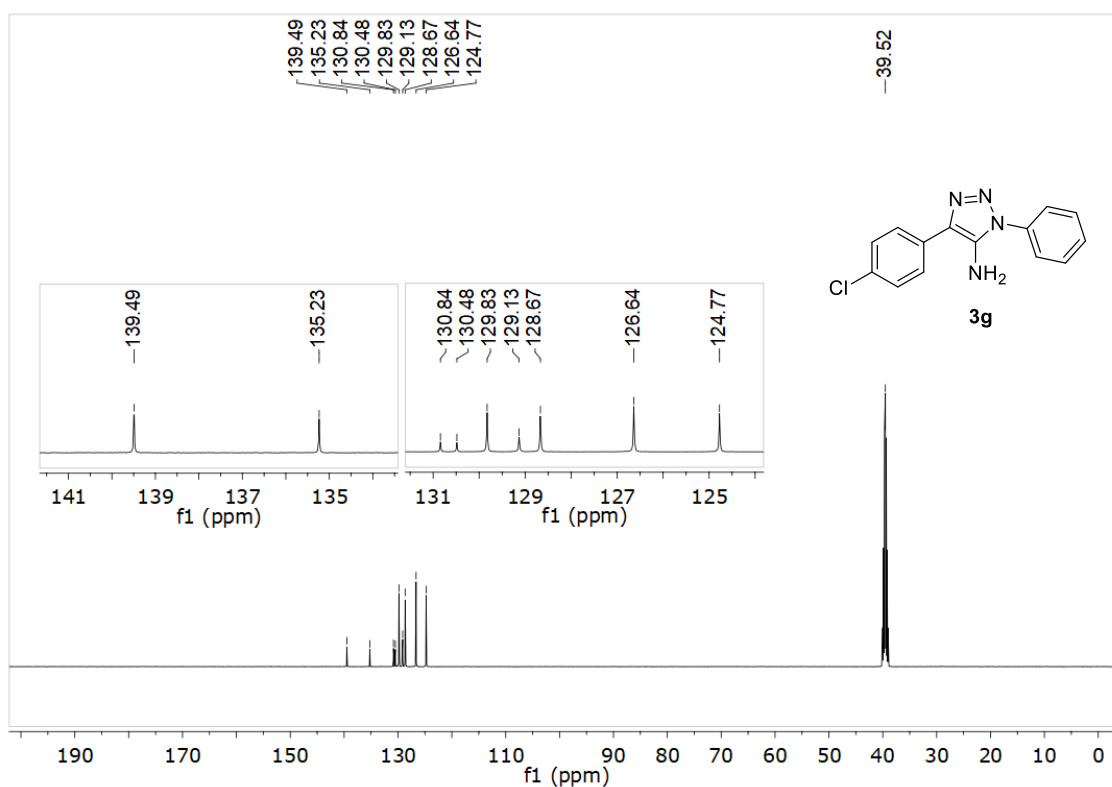


Figure S23. ¹³C NMR spectrum (125 MHz, DMSO-*d*₆) of **3g**.

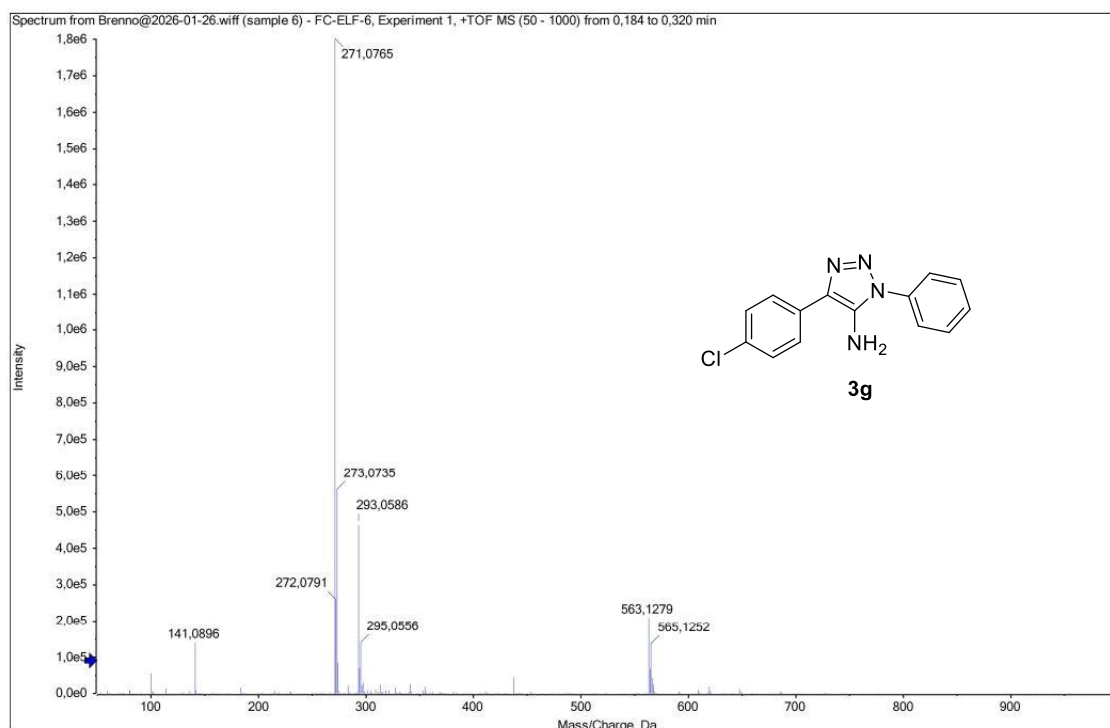


Figure S24. HRMS spectrum of **3g**.

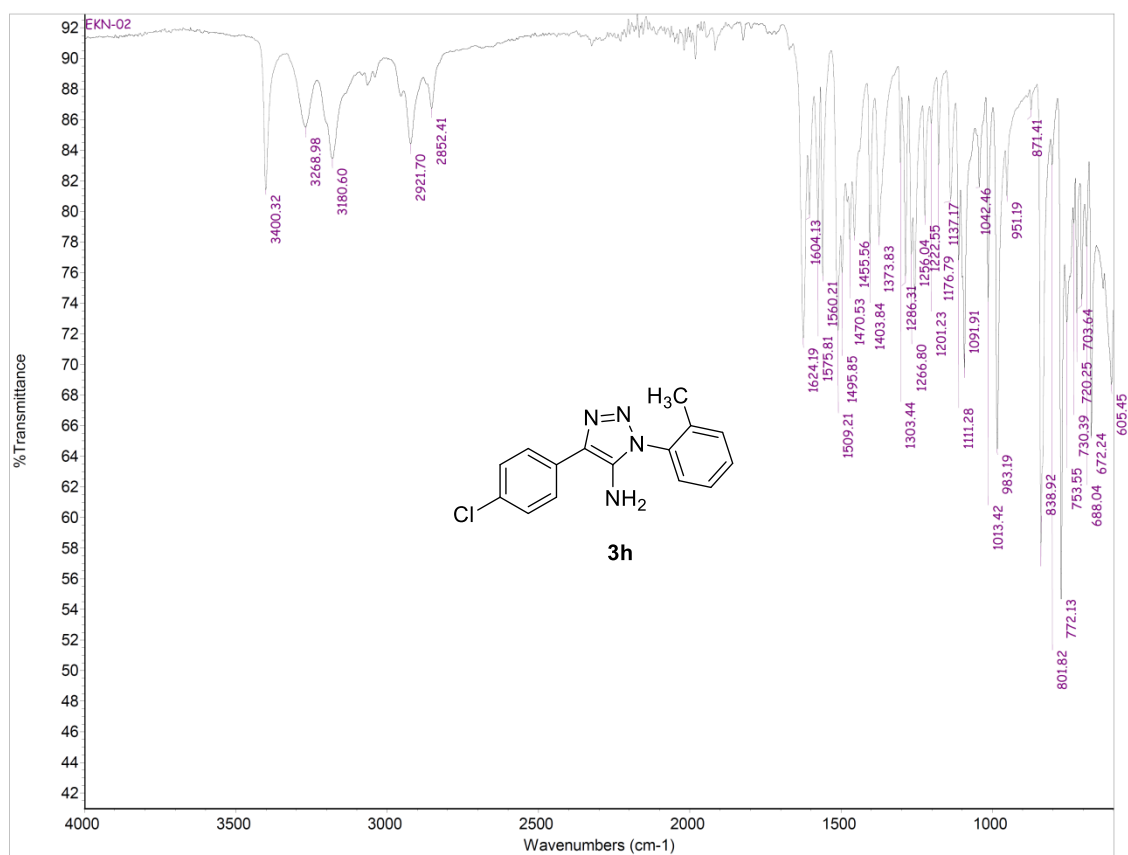


Figure S25. FTIR (neat) spectrum of compound **3h**.

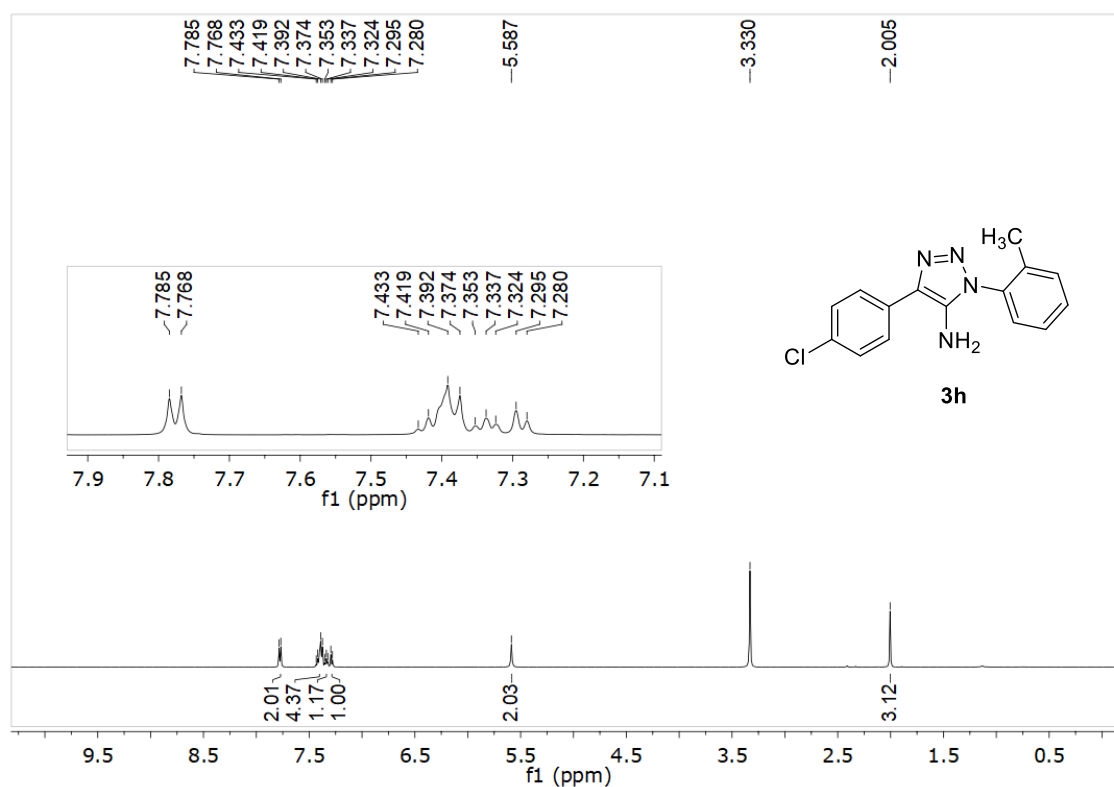


Figure S26. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3h**.

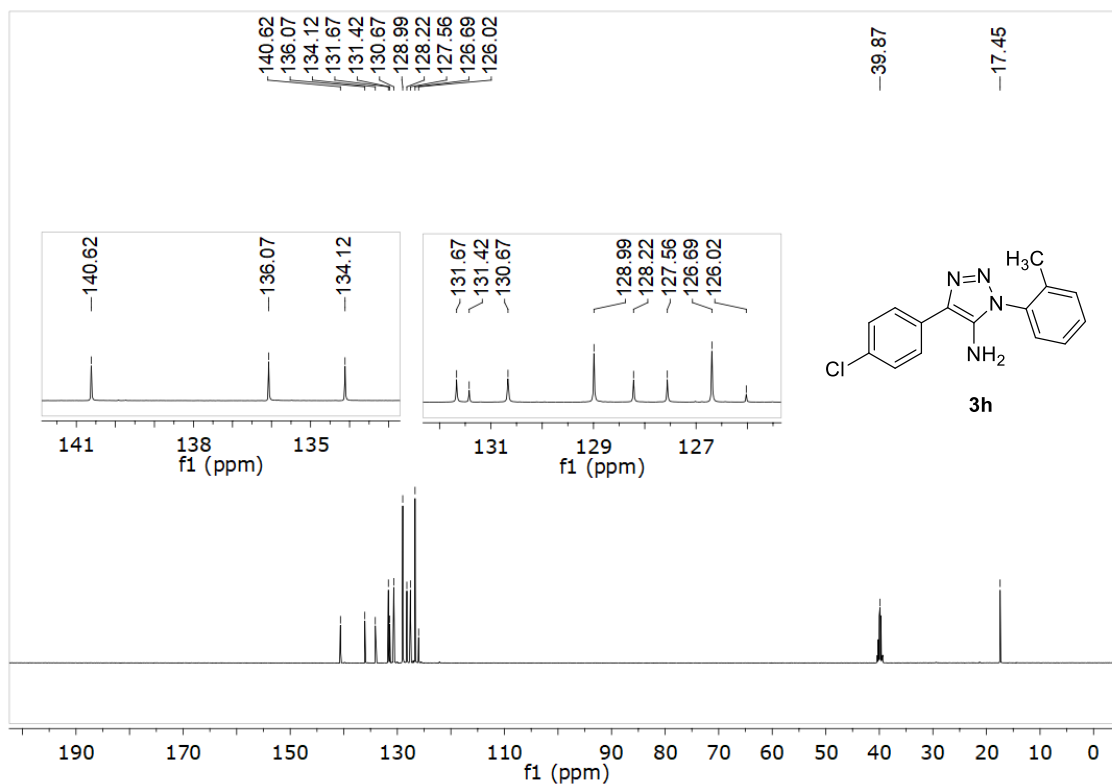


Figure S27. ^{13}C NMR spectrum (125 MHz, $\text{DMSO}-d_6$) of **3h**.

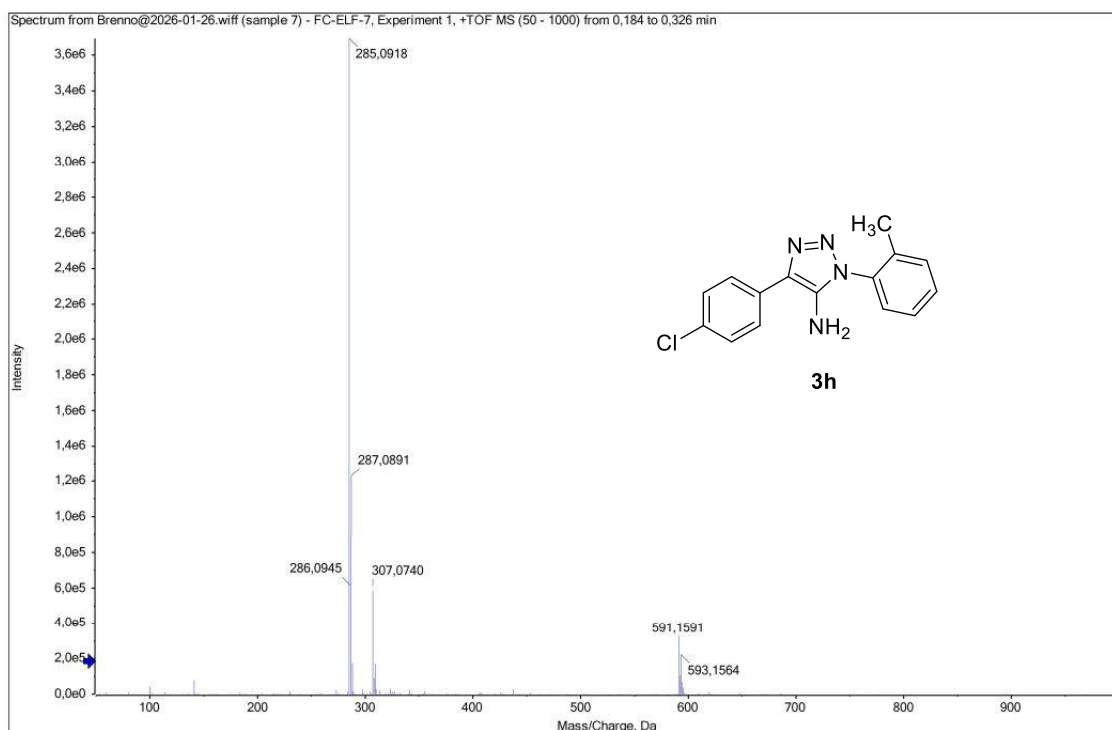


Figure S28. HRMS spectrum of **3h**.

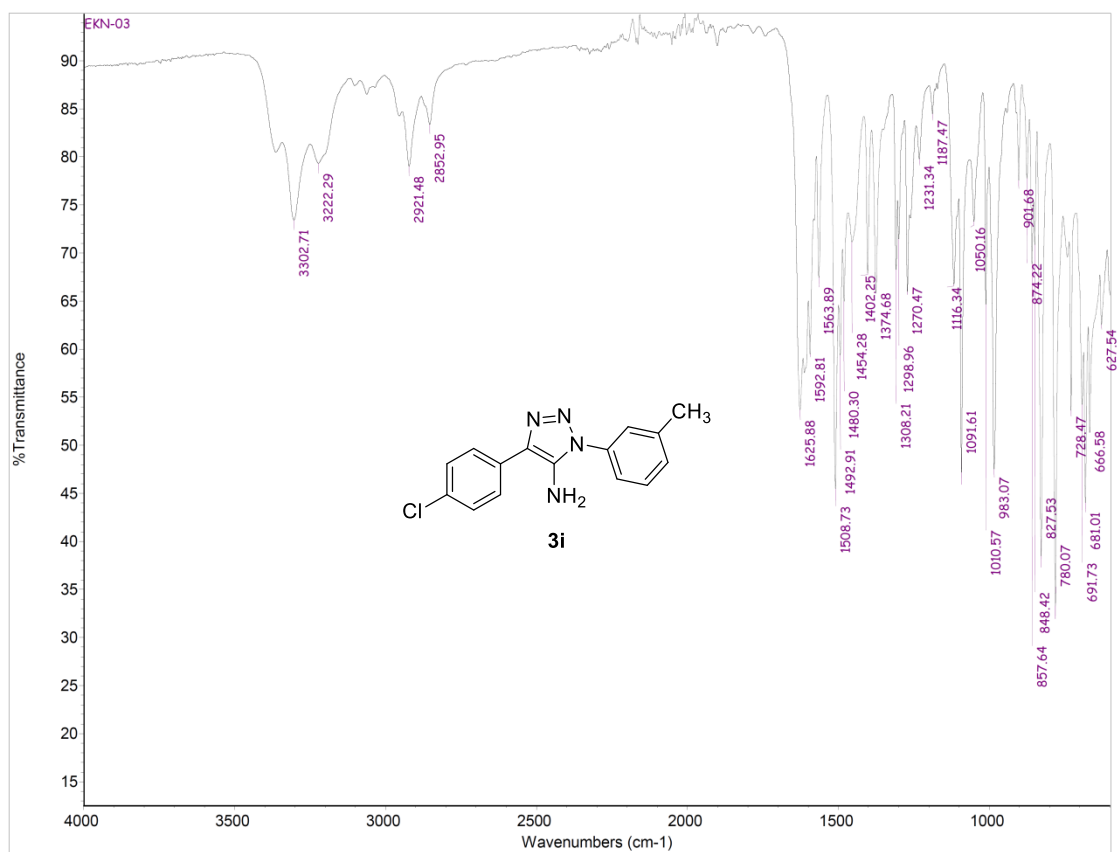


Figure S29. FTIR (neat) spectrum of compound **3i**.

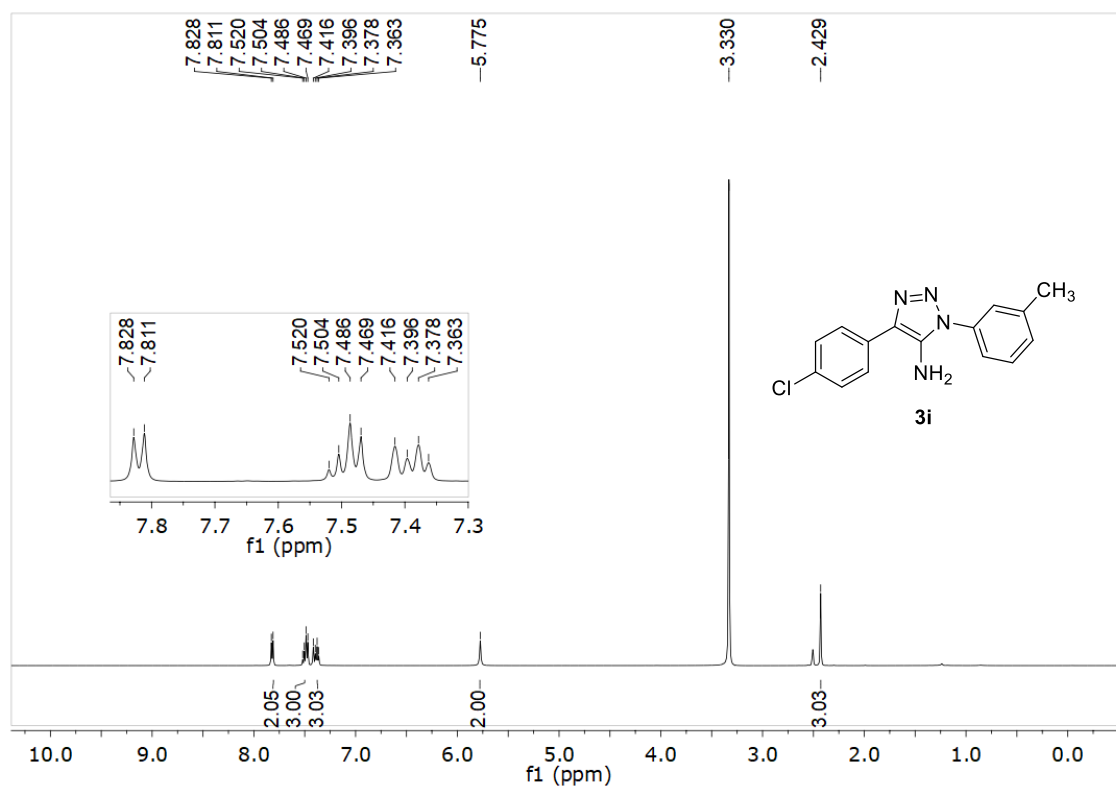


Figure S30. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3i**.

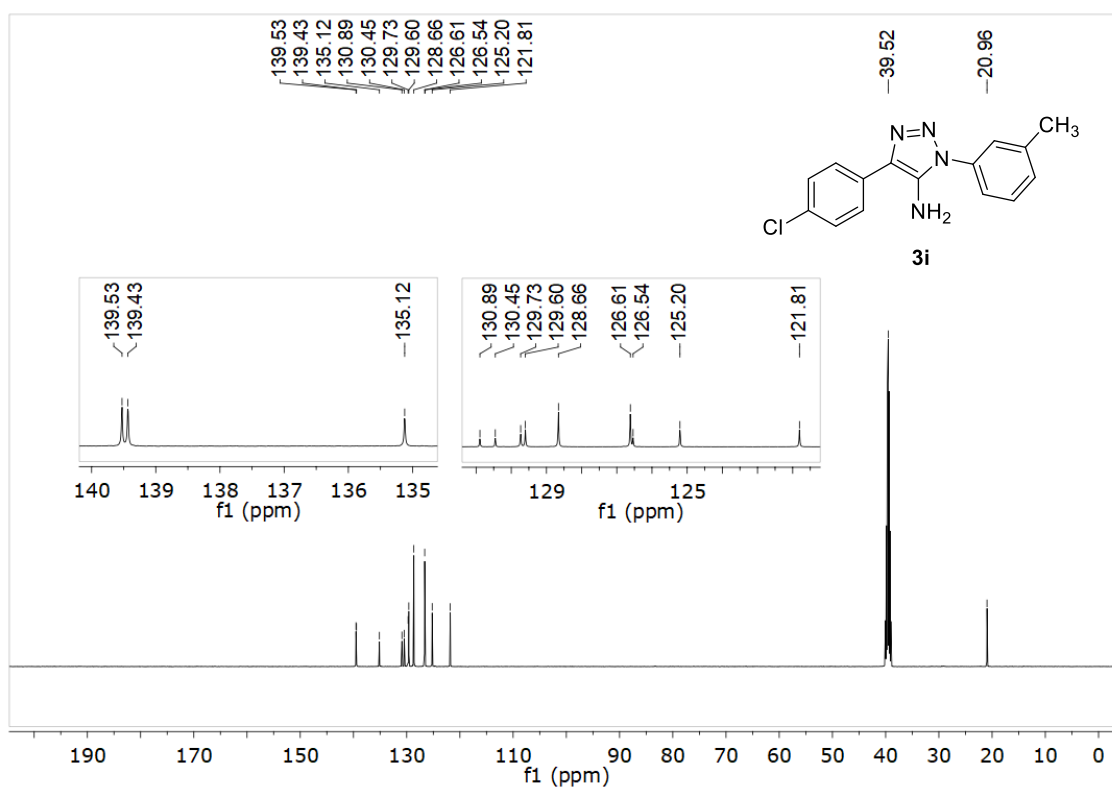


Figure S31. ¹³C NMR spectrum (125 MHz, DMSO-*d*₆) of **3i**.

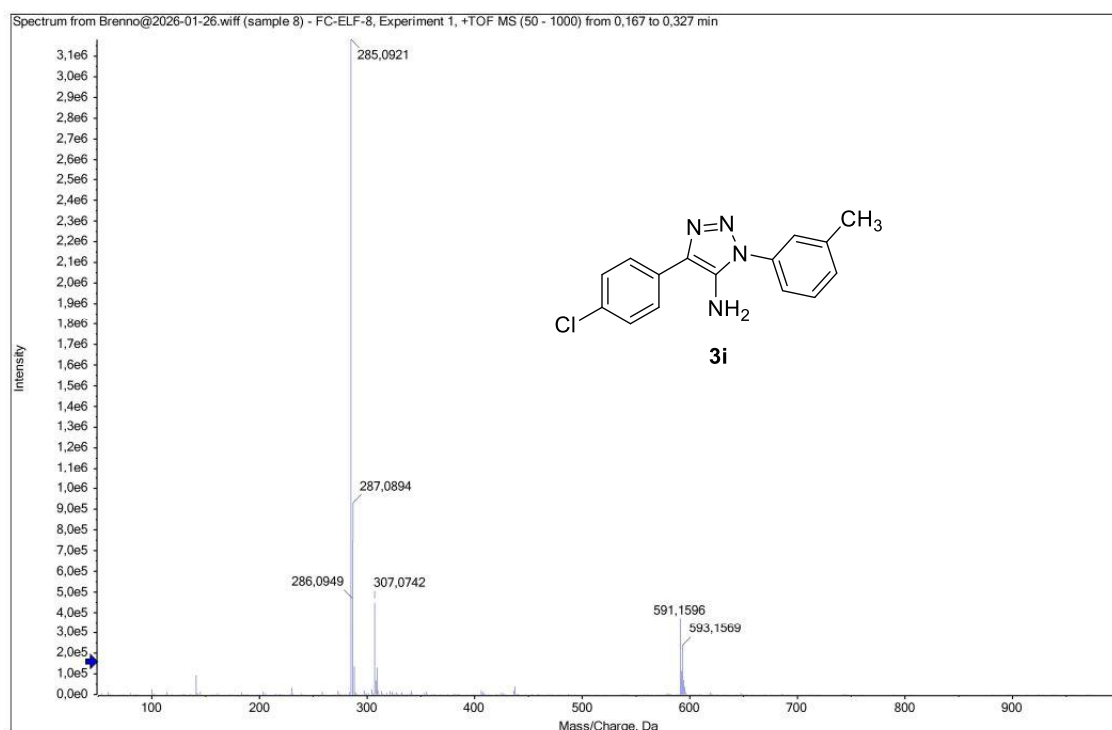


Figure S32. HRMS spectrum of **3i**.

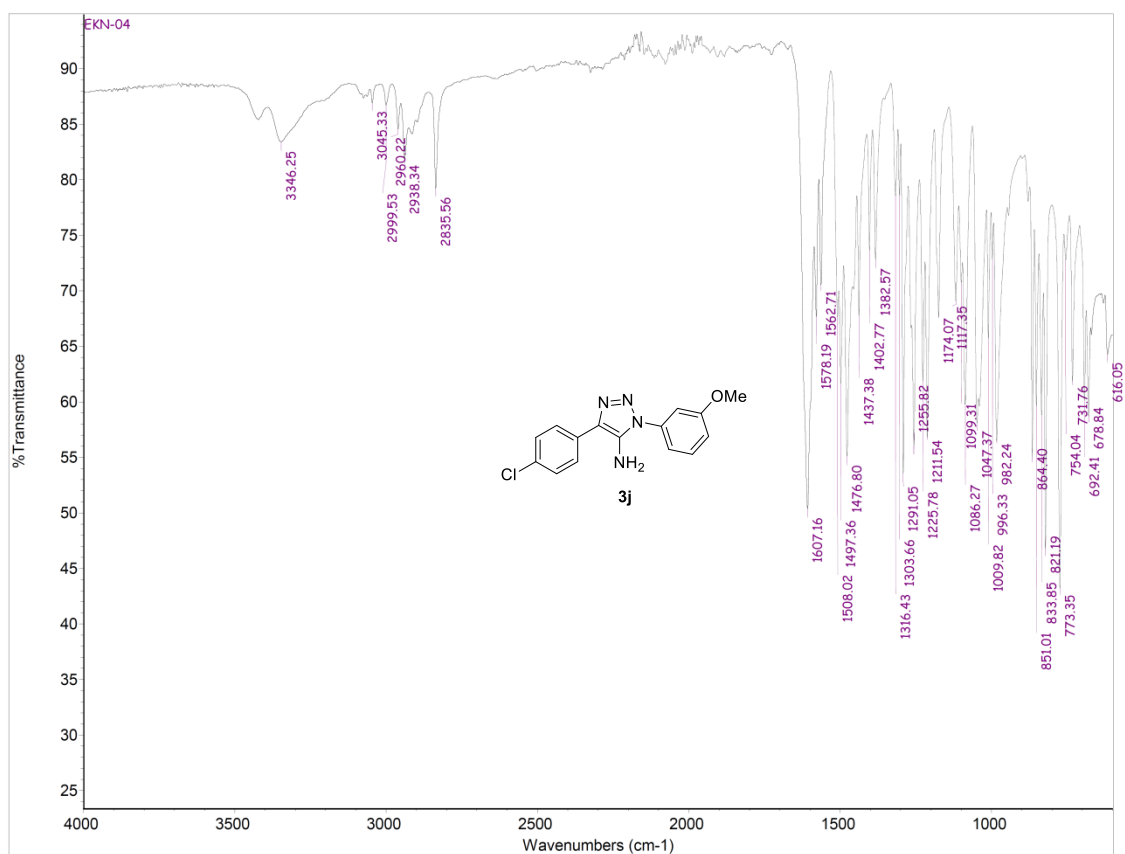


Figure S33. FTIR (neat) spectrum of compound **3j**.

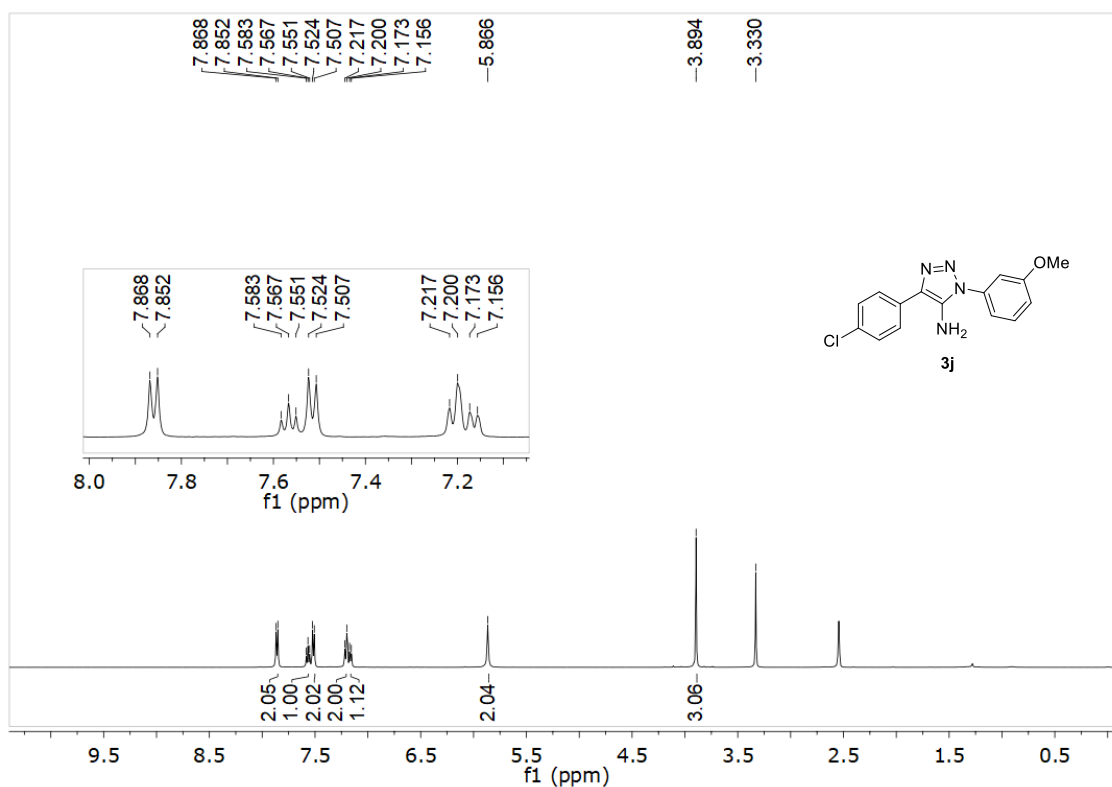


Figure S34. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3j**.

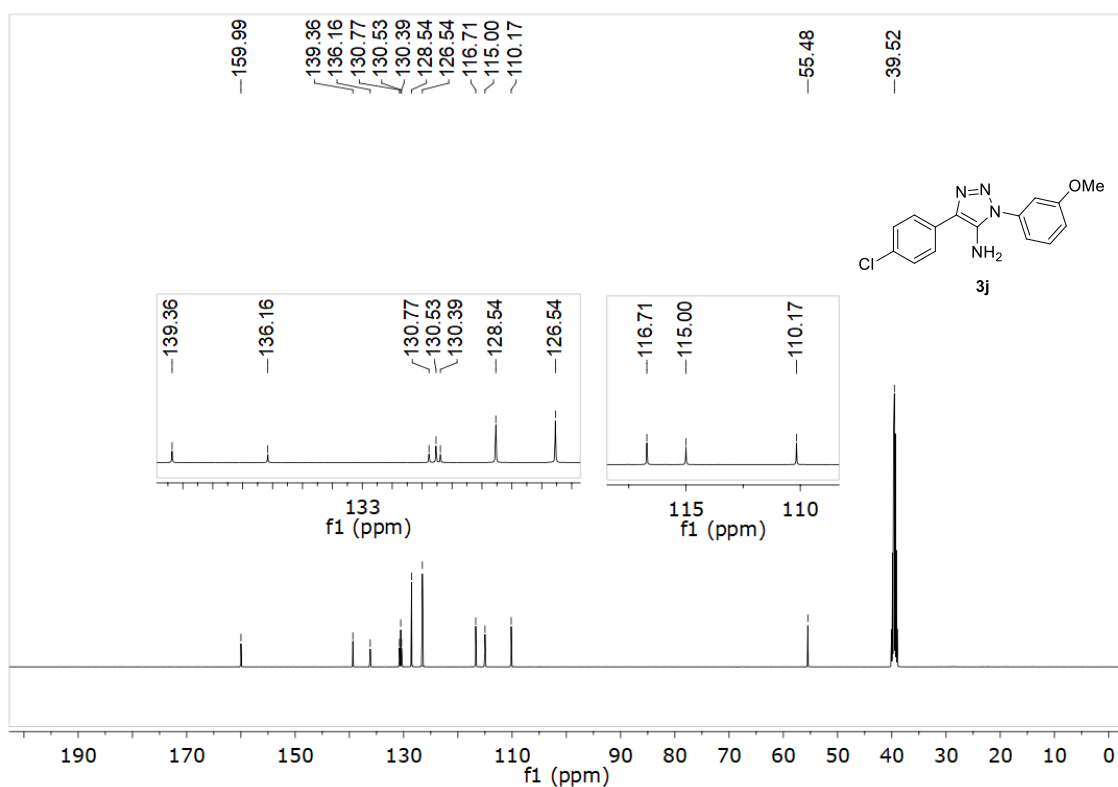


Figure S35. ¹³C NMR spectrum (125 MHz, DMSO-*d*₆) of **3j**.

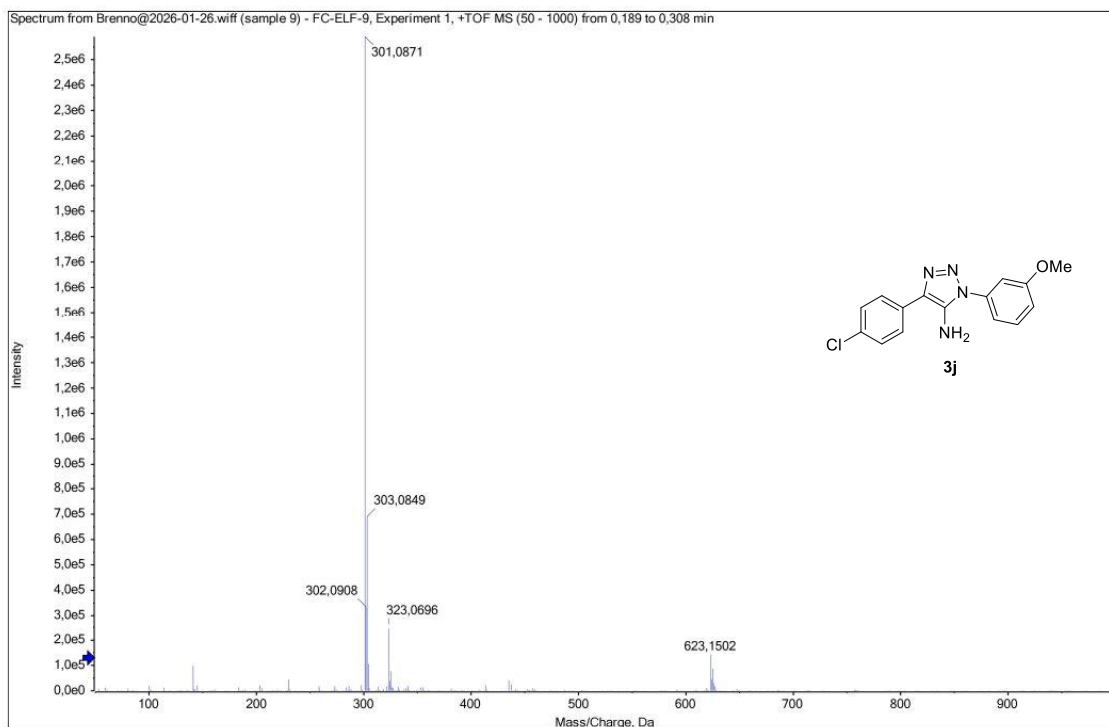


Figure S36. HRMS spectrum of **3j**.

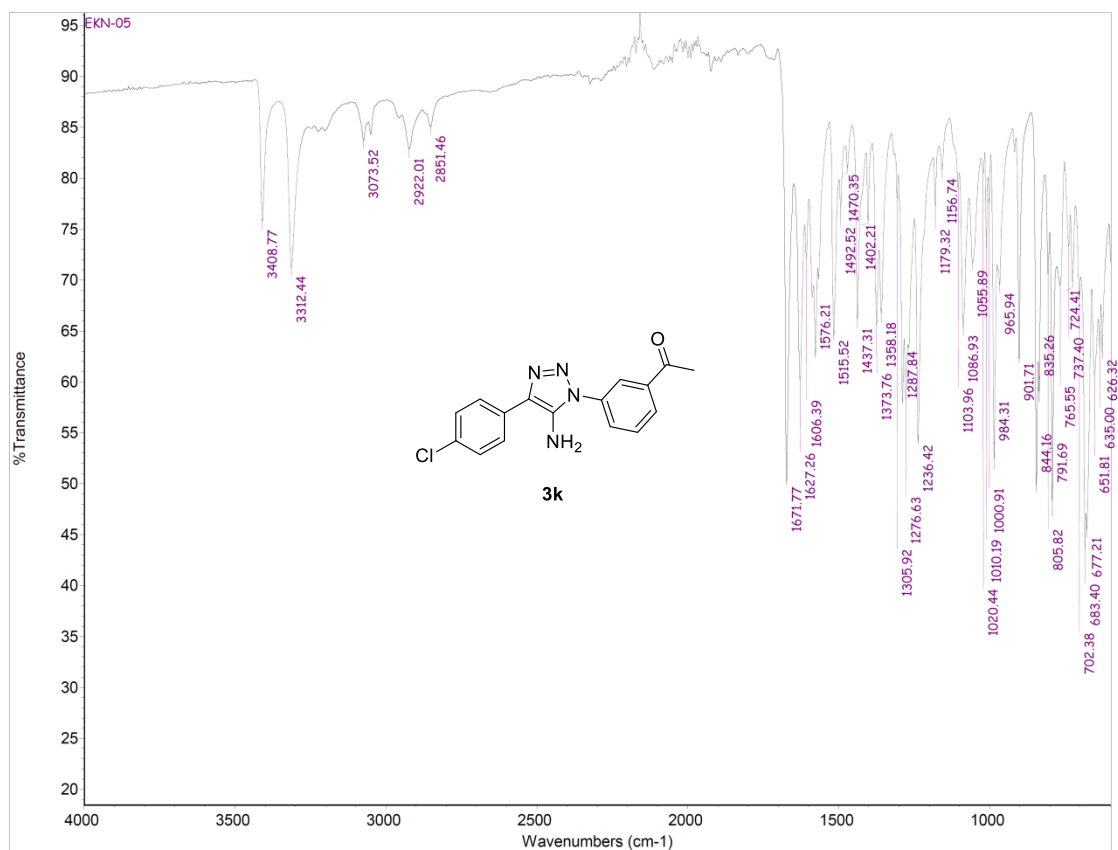


Figure S37. FTIR (neat) spectrum of compound **3k**.

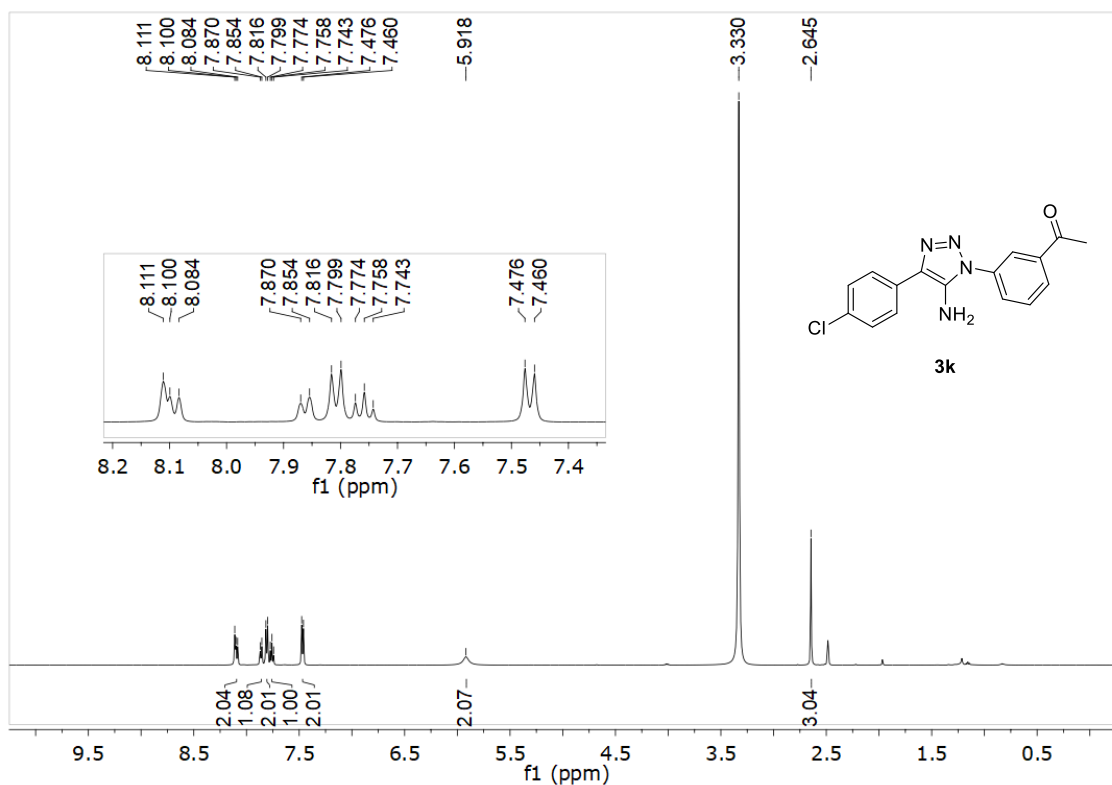


Figure S38. ¹H NMR spectrum (500 MHz, DMSO-d₆) of **3k**.

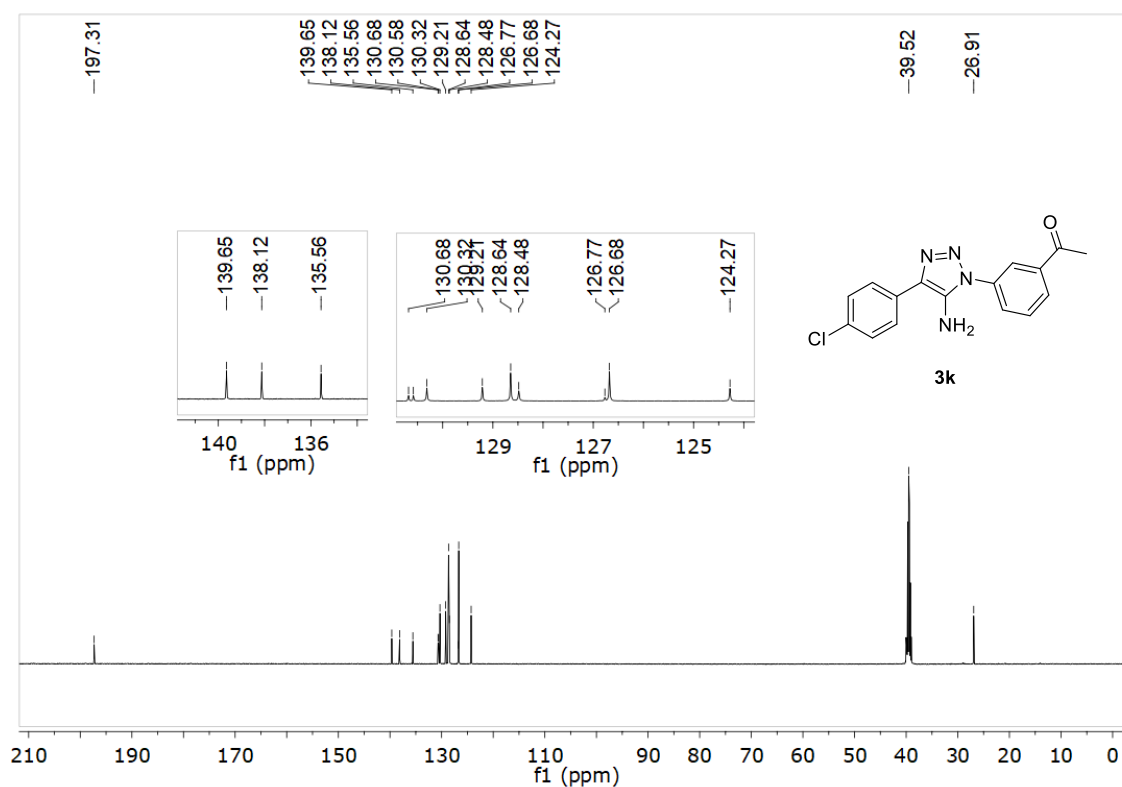


Figure S39. ^{13}C NMR spectrum (125 MHz, $\text{DMSO}-d_6$) of **3k**.

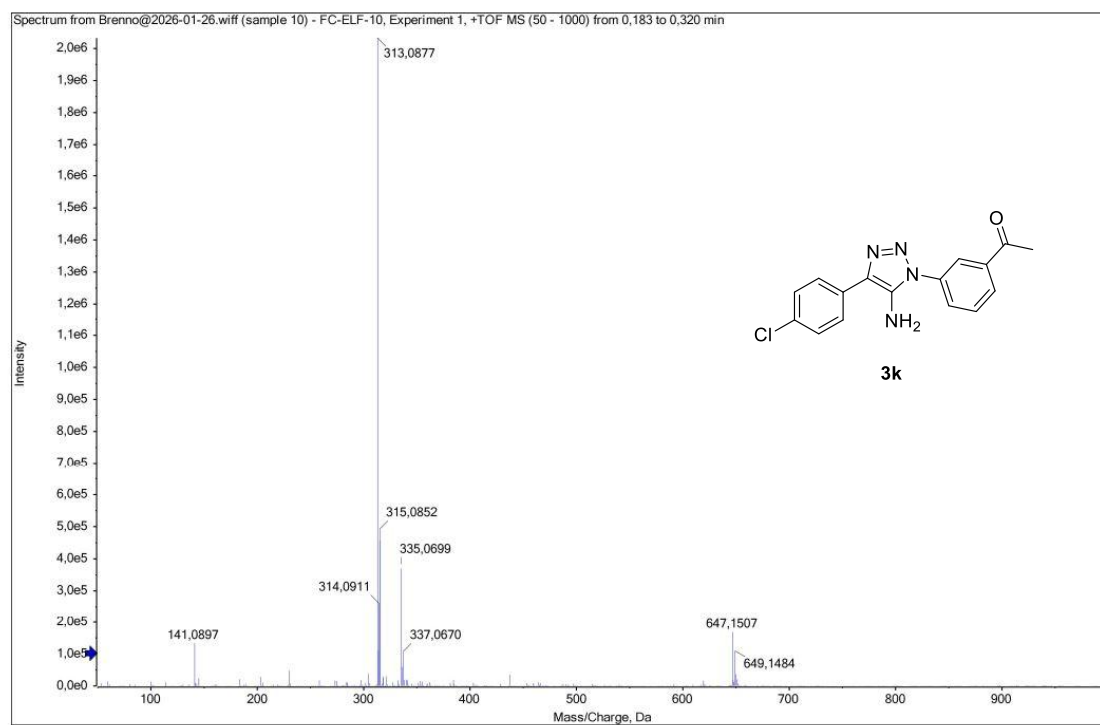


Figure S40. HRMS spectrum of **3k**.

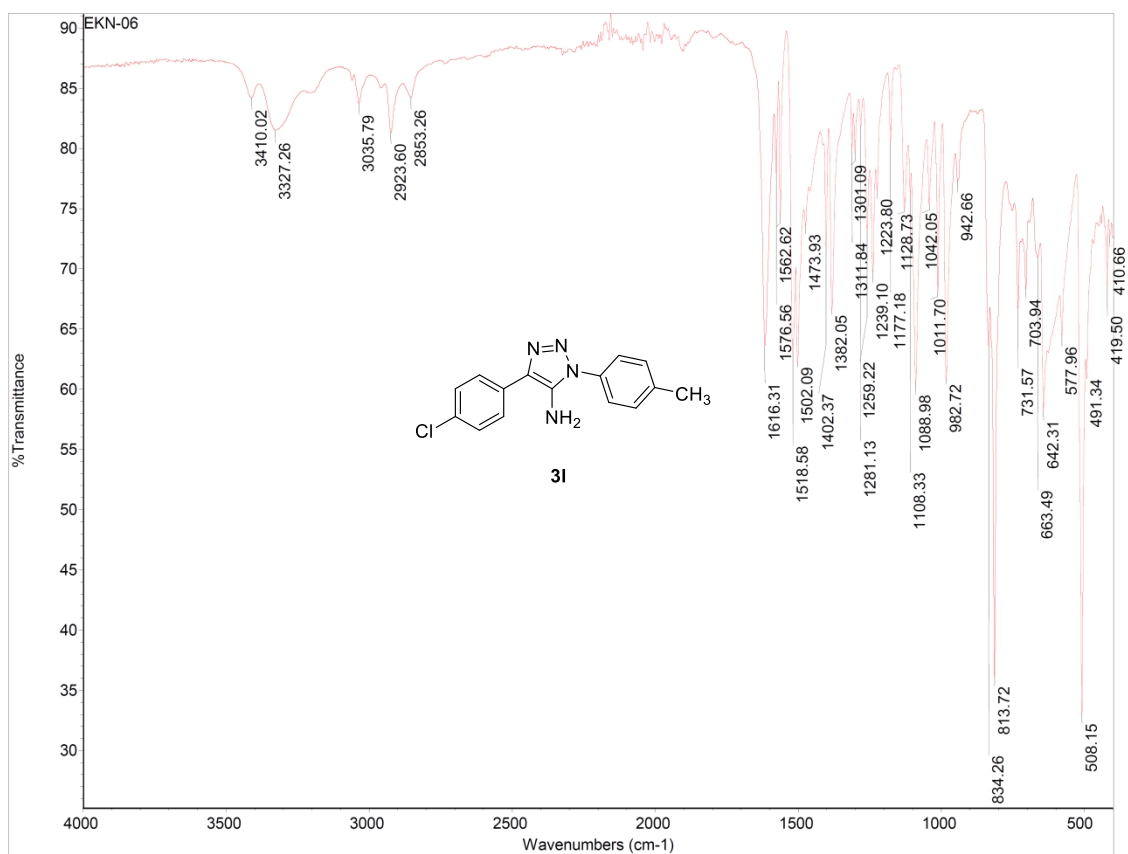


Figure S41. FTIR (neat) spectrum of compound **3I**.

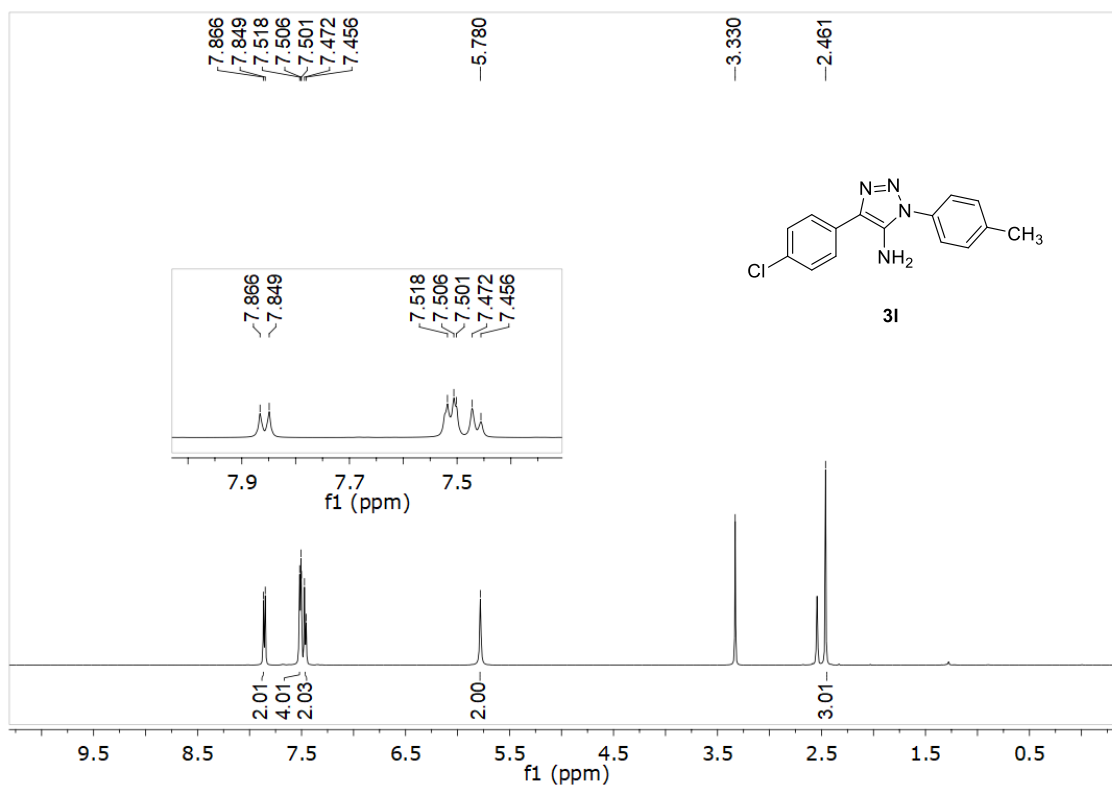


Figure S42. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3I**.

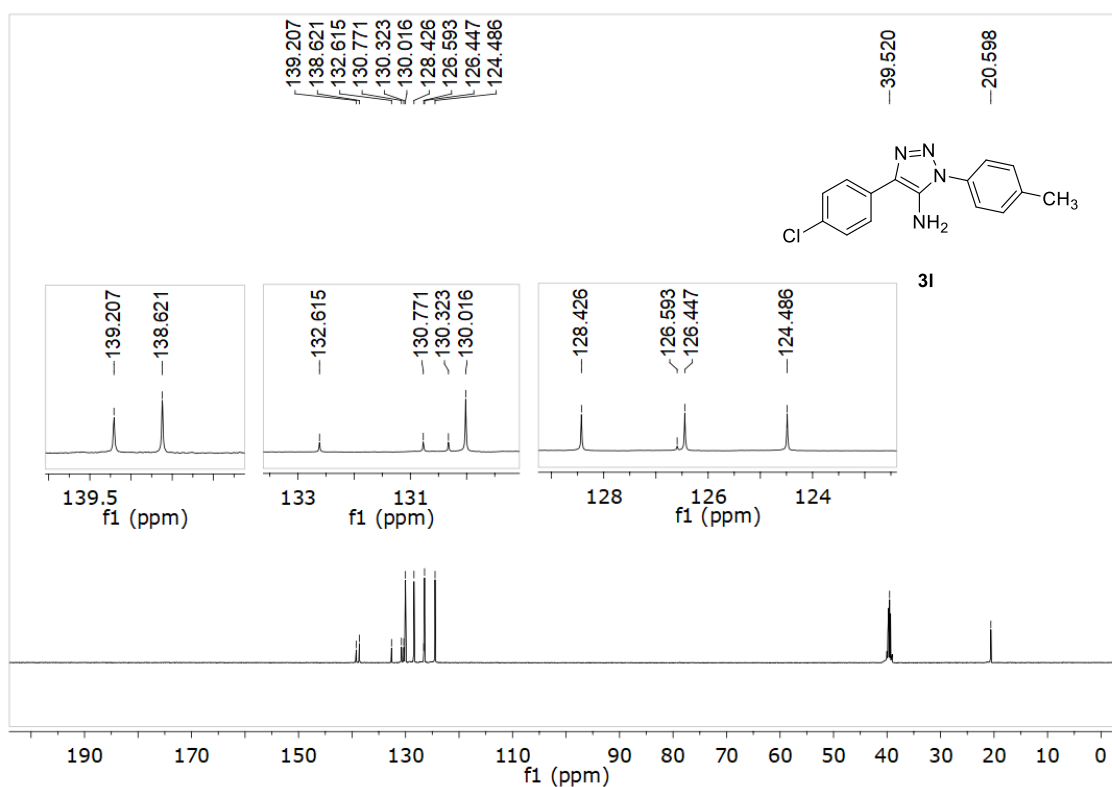


Figure S43. ^{13}C NMR spectrum (125 MHz, $\text{DMSO}-d_6$) of **3I**.

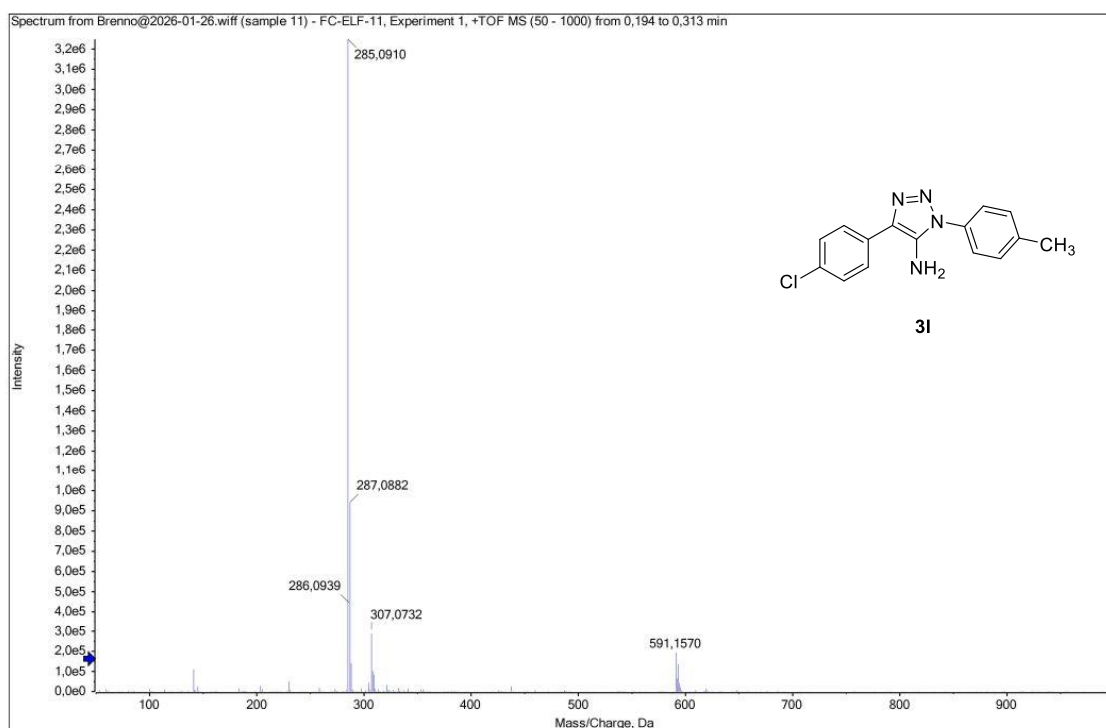


Figure S44. HRMS spectrum of **3I**.

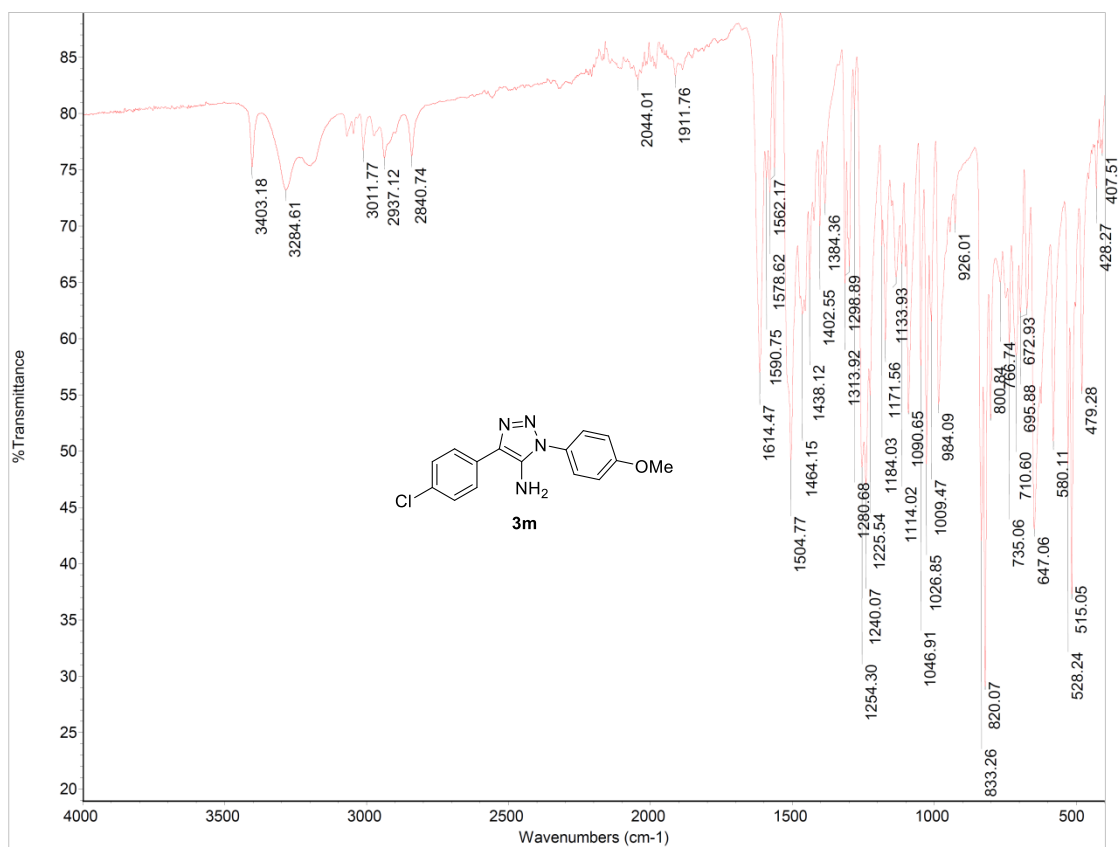


Figure S45. FTIR (neat) spectrum of compound **3m**.

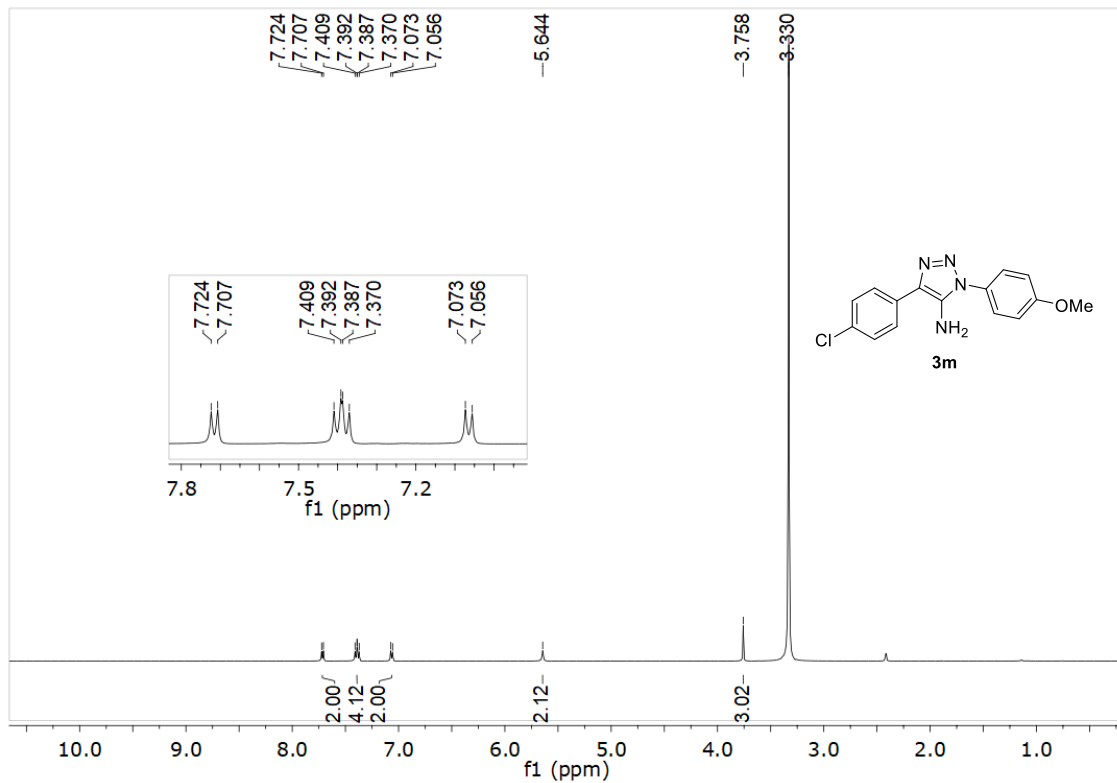


Figure S46. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3m**.

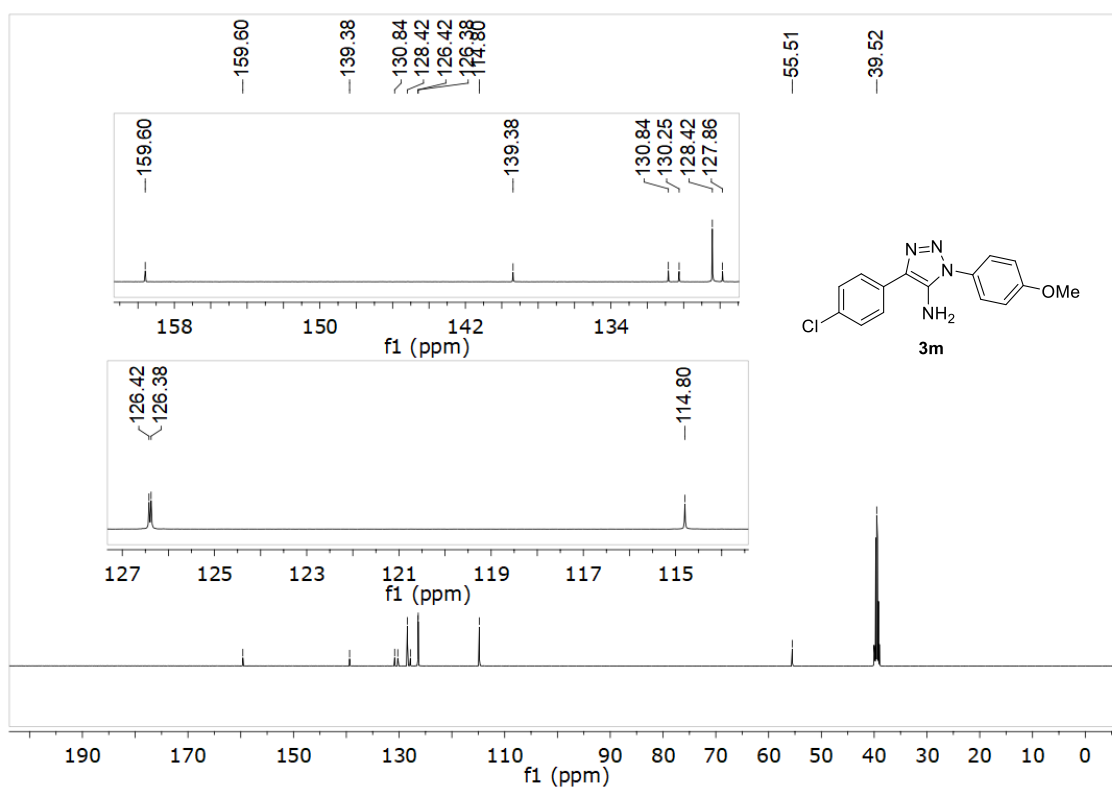


Figure S47. ^{13}C NMR spectrum (125 MHz, $\text{DMSO}-d_6$) of **3m**.

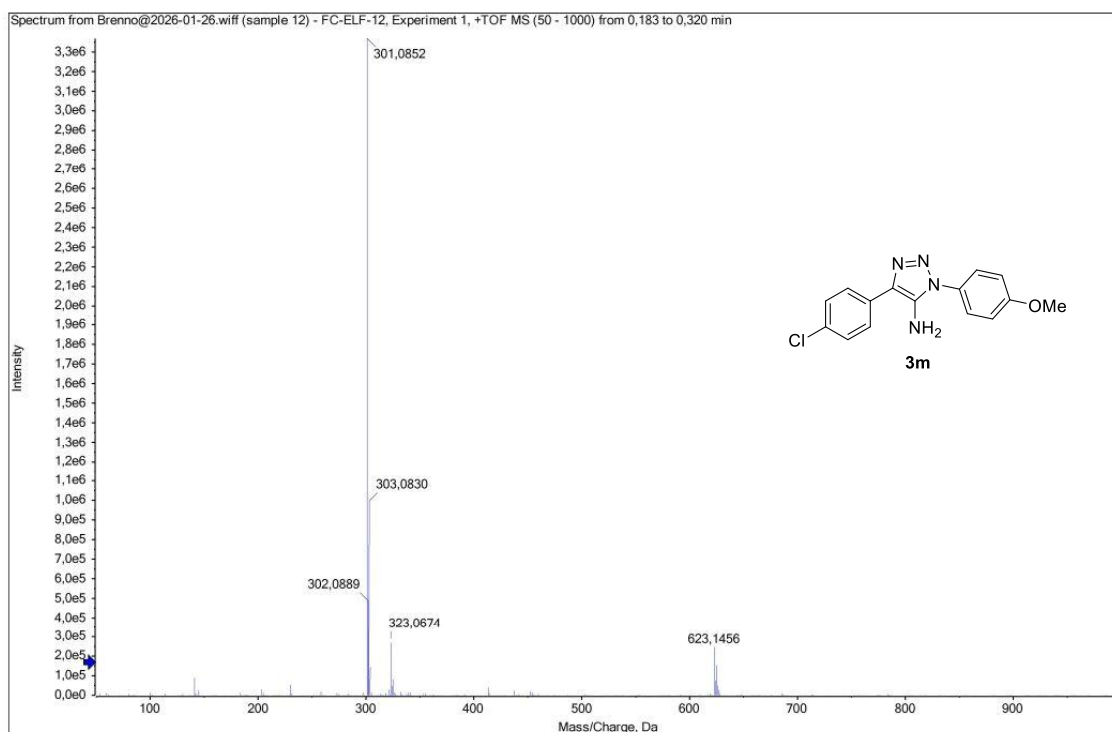


Figure S48. HRMS spectrum of **3m**.

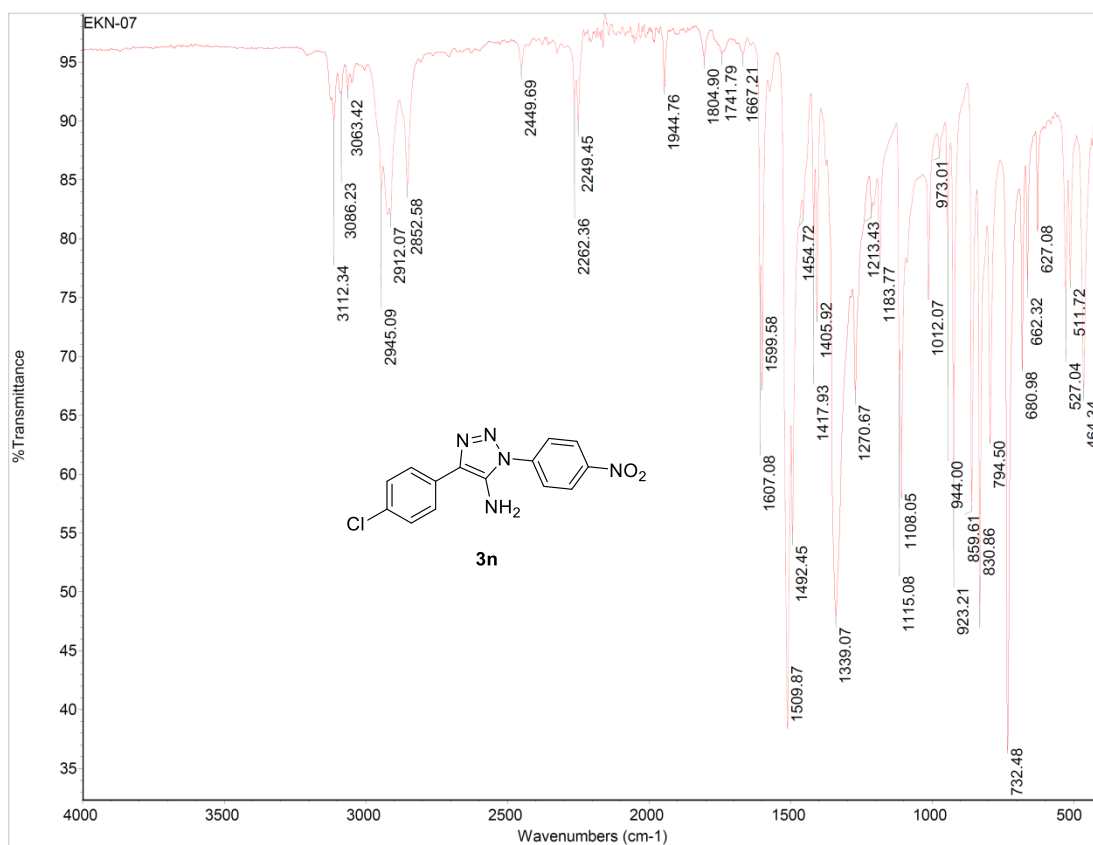


Figure S49. FTIR (neat) spectrum of compound **3n**.

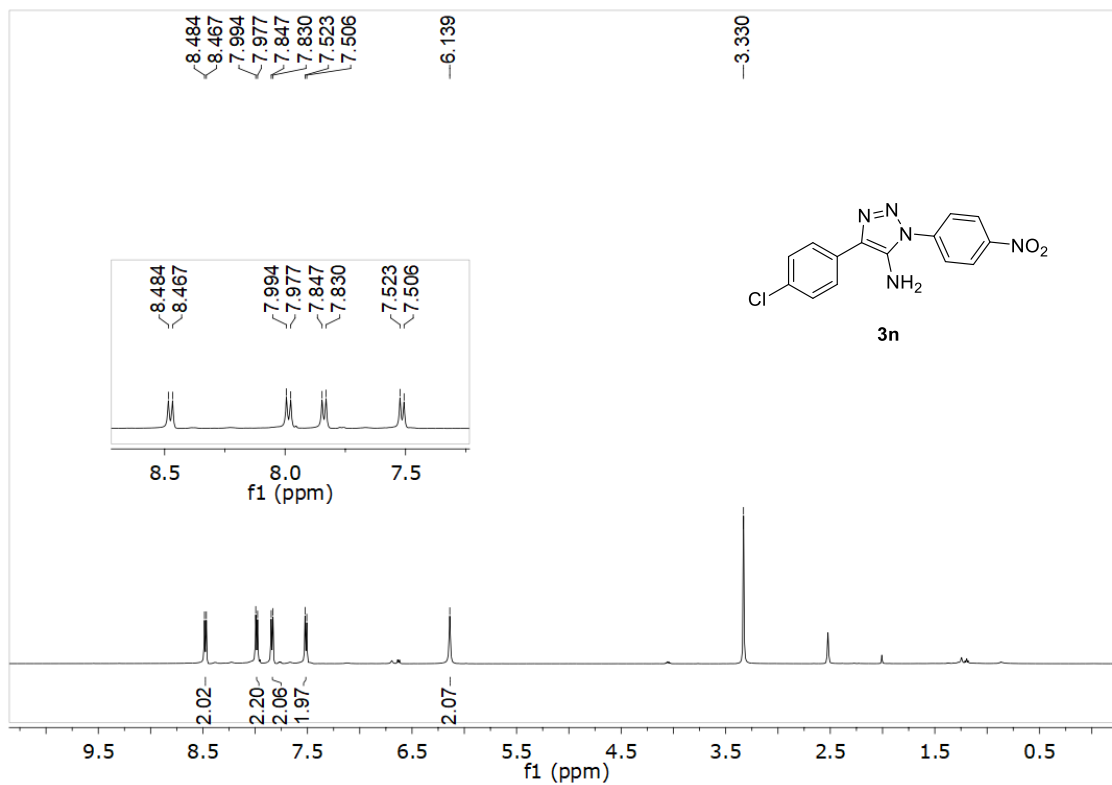


Figure S50. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3n**.

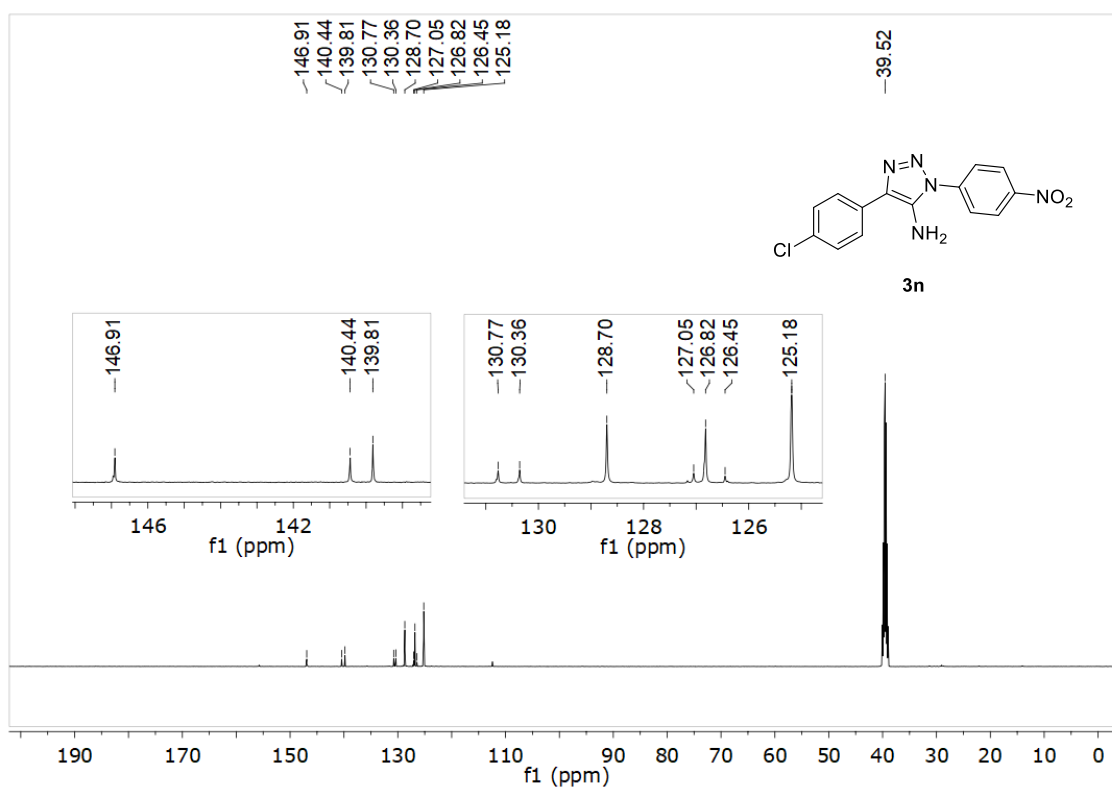


Figure S51. ^{13}C NMR spectrum (125 MHz, $\text{DMSO}-d_6$) of **3n**.

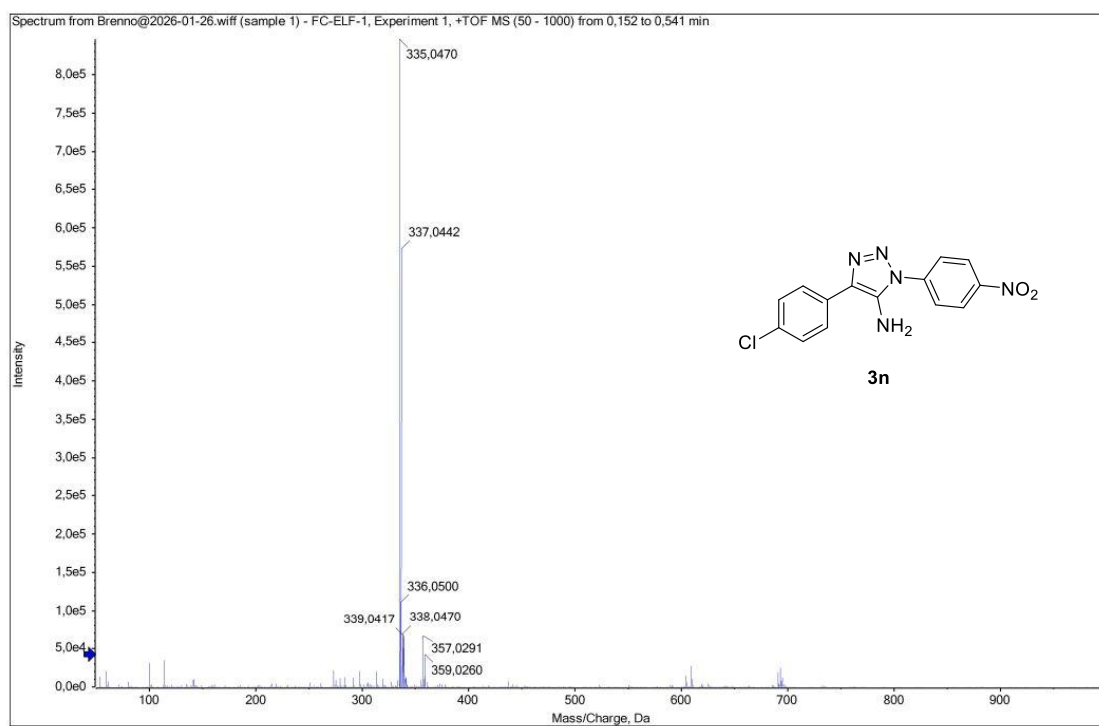


Figure S52. HRMS spectrum of **3n**.

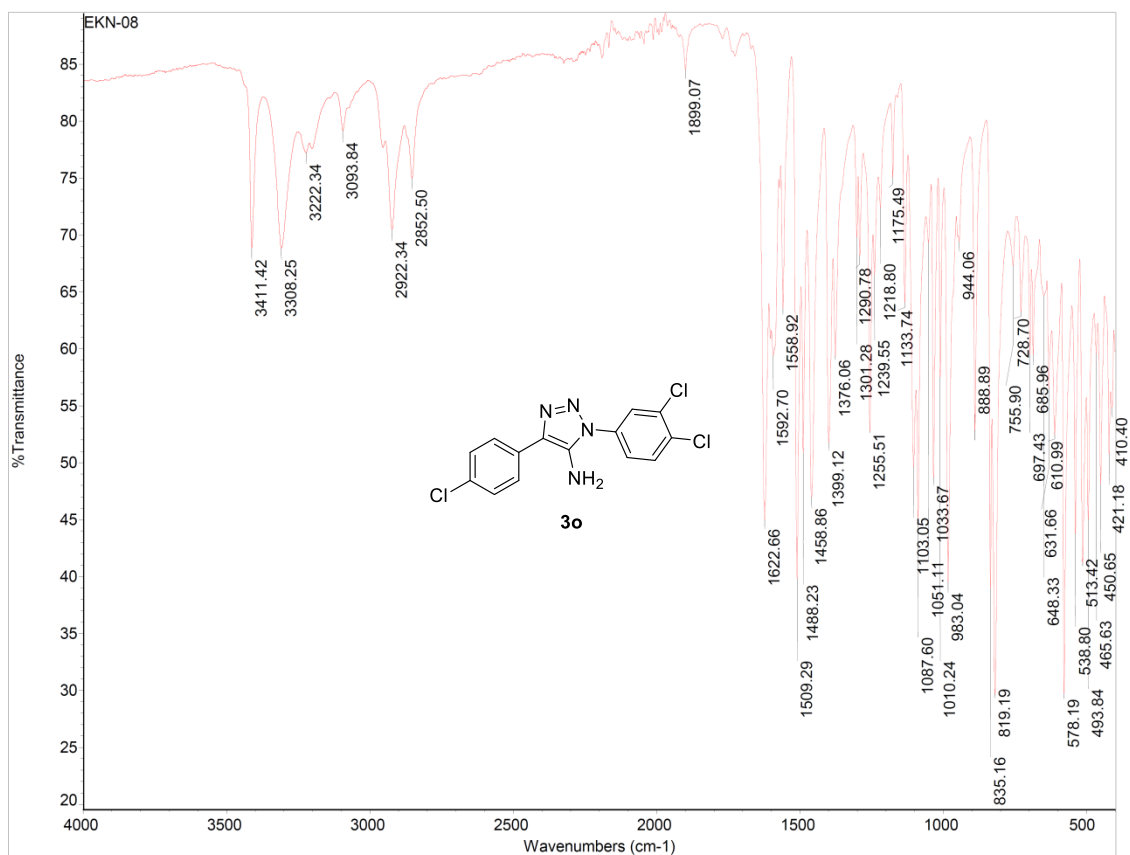


Figure S53. FTIR (neat) spectrum of compound **3o**.

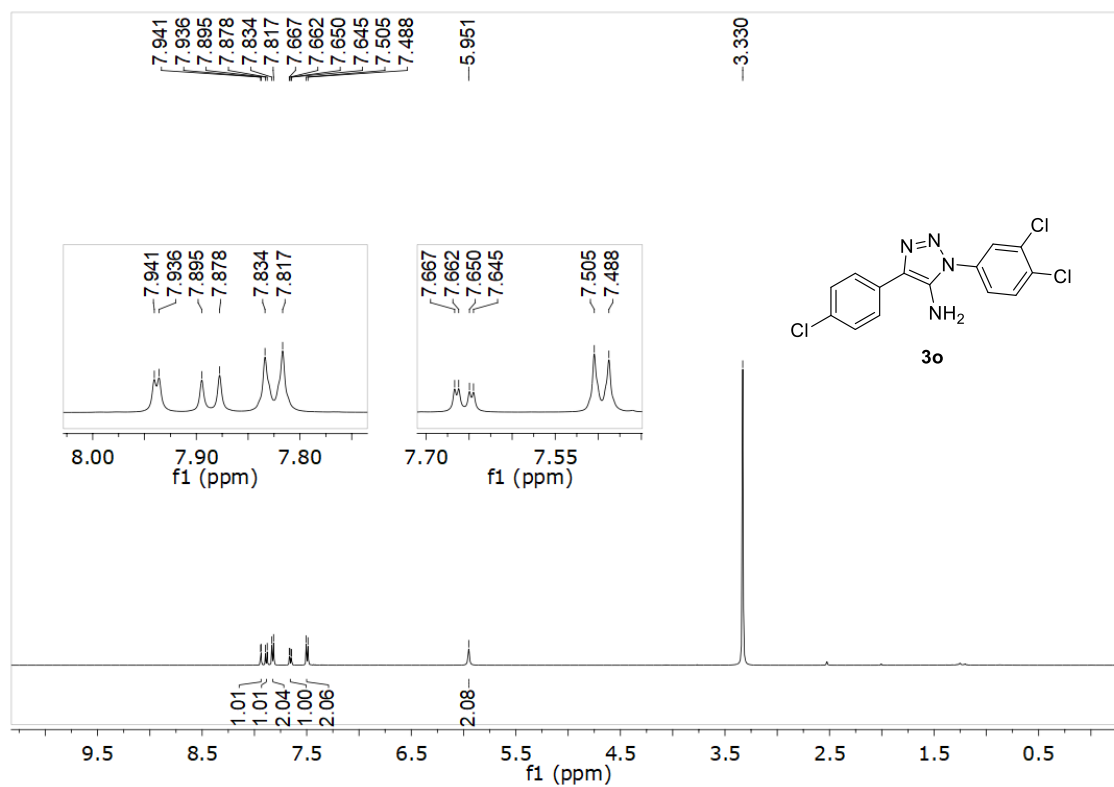


Figure S54. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3o**.

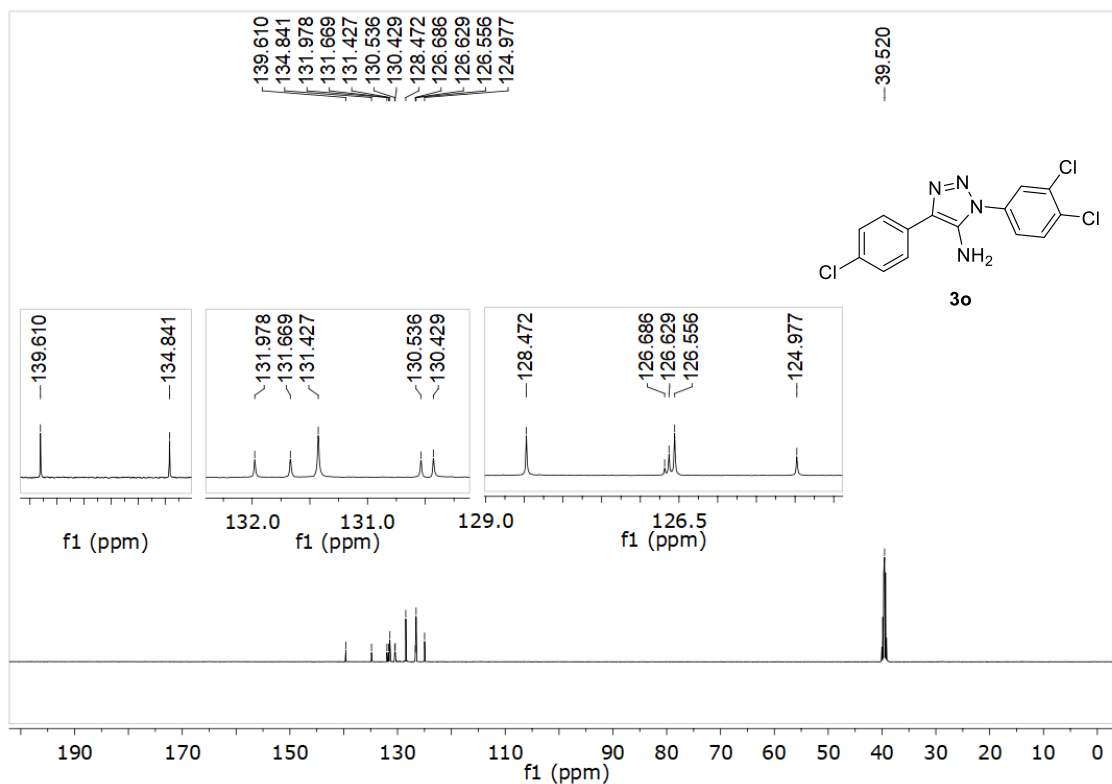


Figure S55. ^{13}C NMR spectrum (125 MHz, $\text{DMSO}-d_6$) of **3o**.

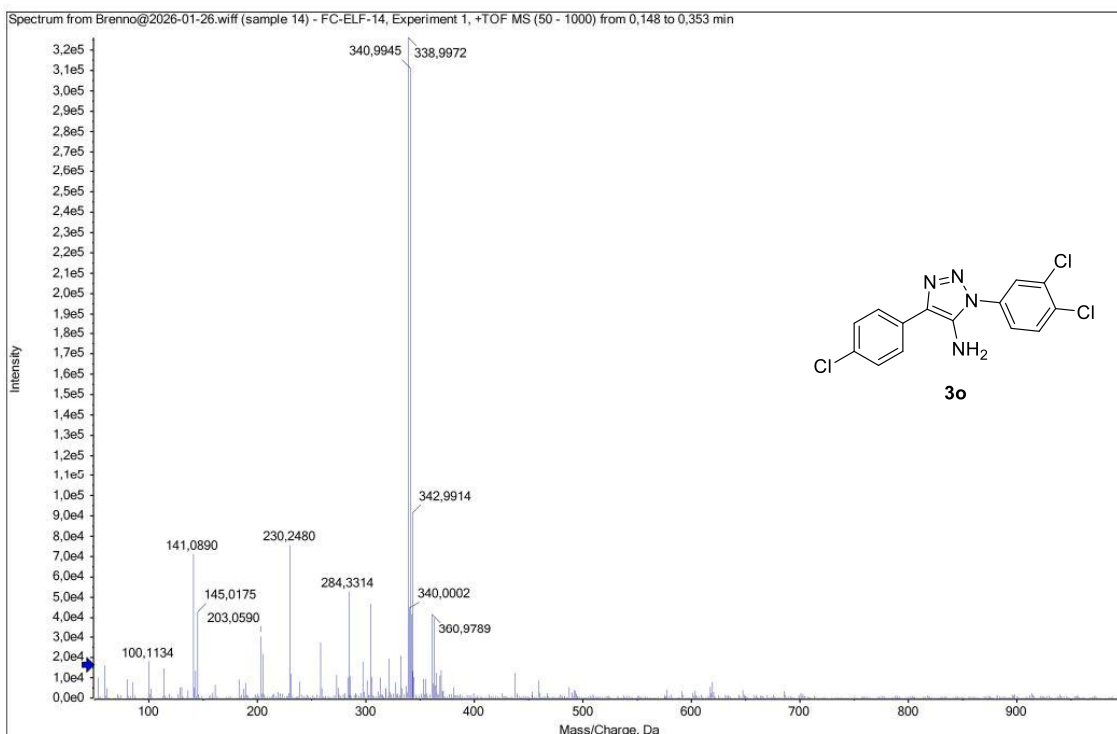


Figure S56. HRMS spectrum of **3o**.

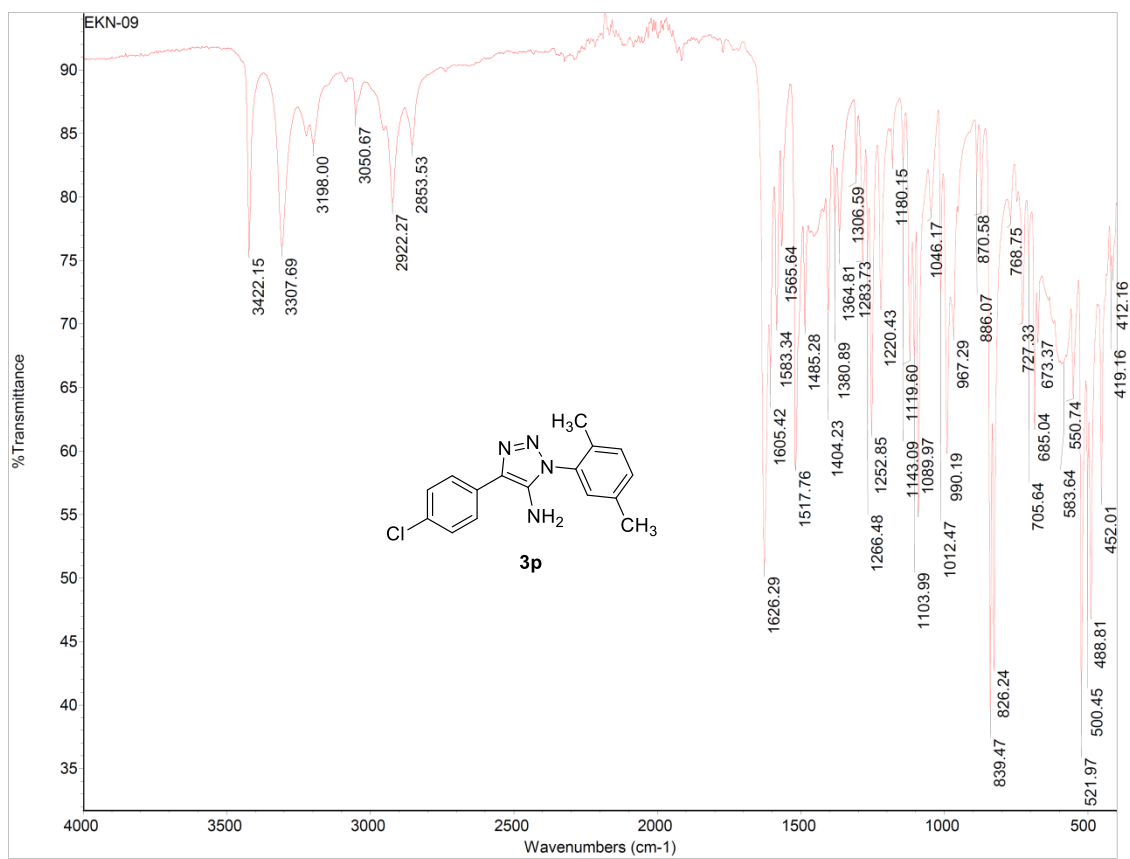


Figure S57. FTIR (neat) spectrum of compound **3p**.

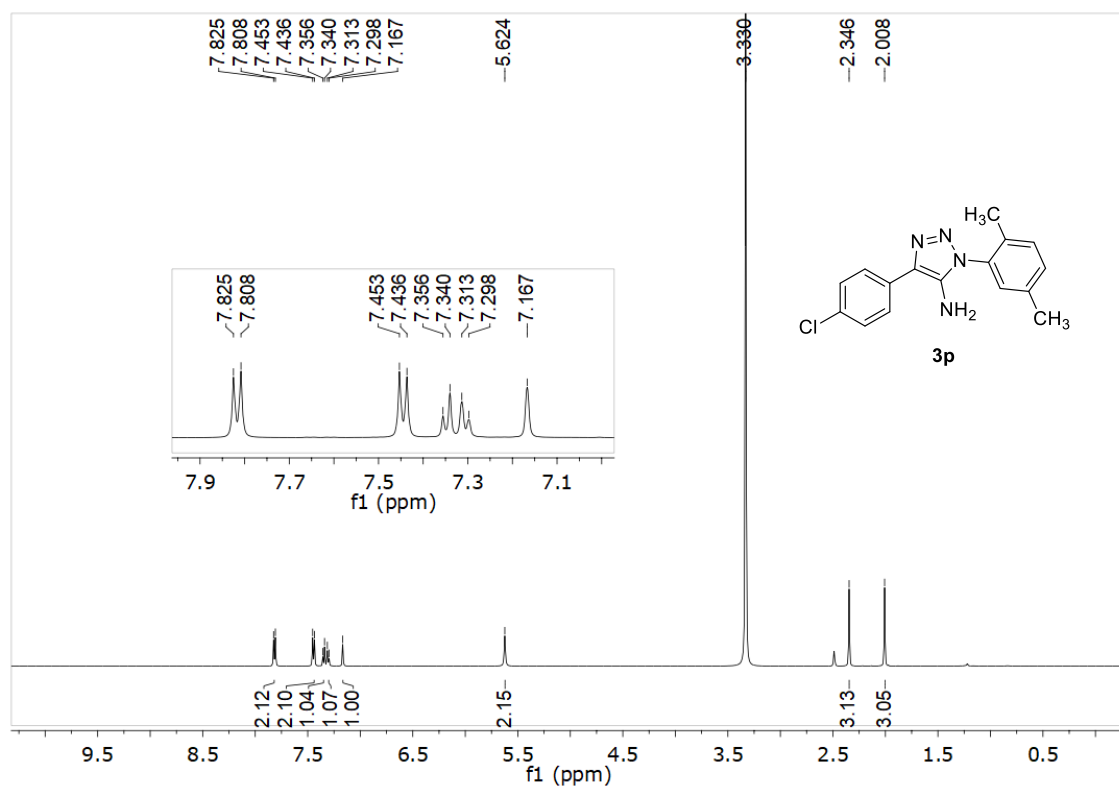


Figure S58. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3p**.

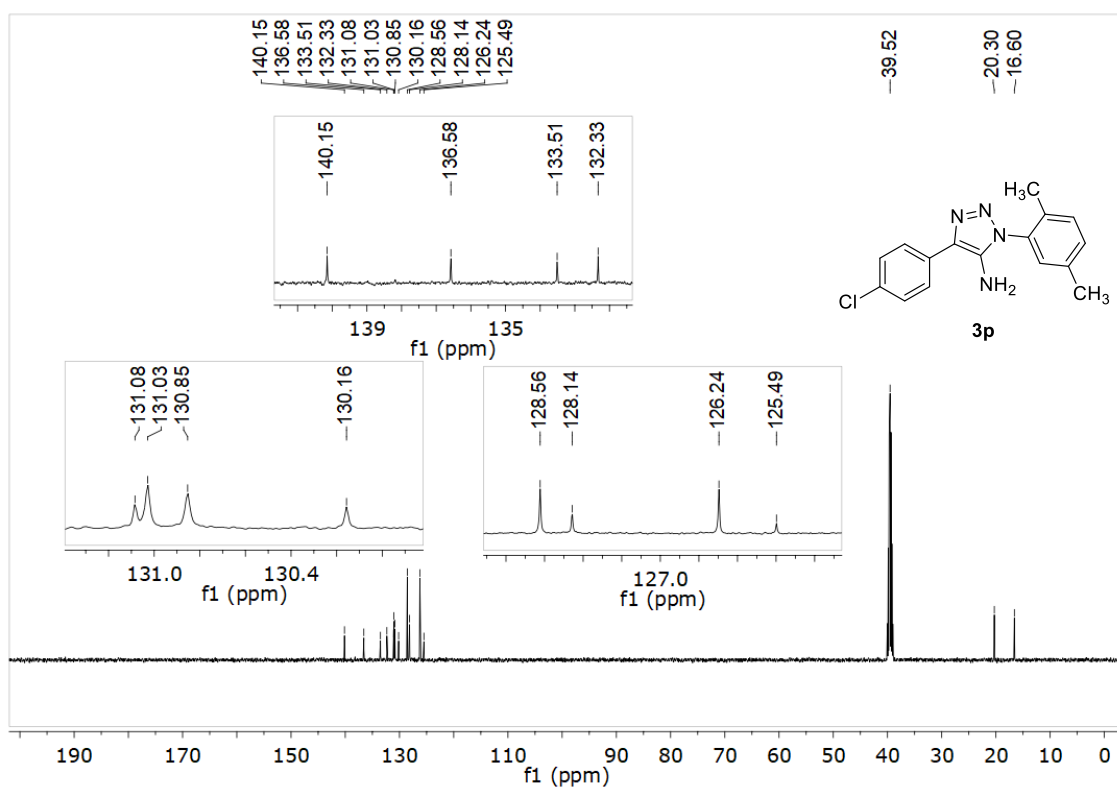


Figure S59. ^{13}C NMR spectrum (125 MHz, $\text{DMSO}-d_6$) of **3p**.

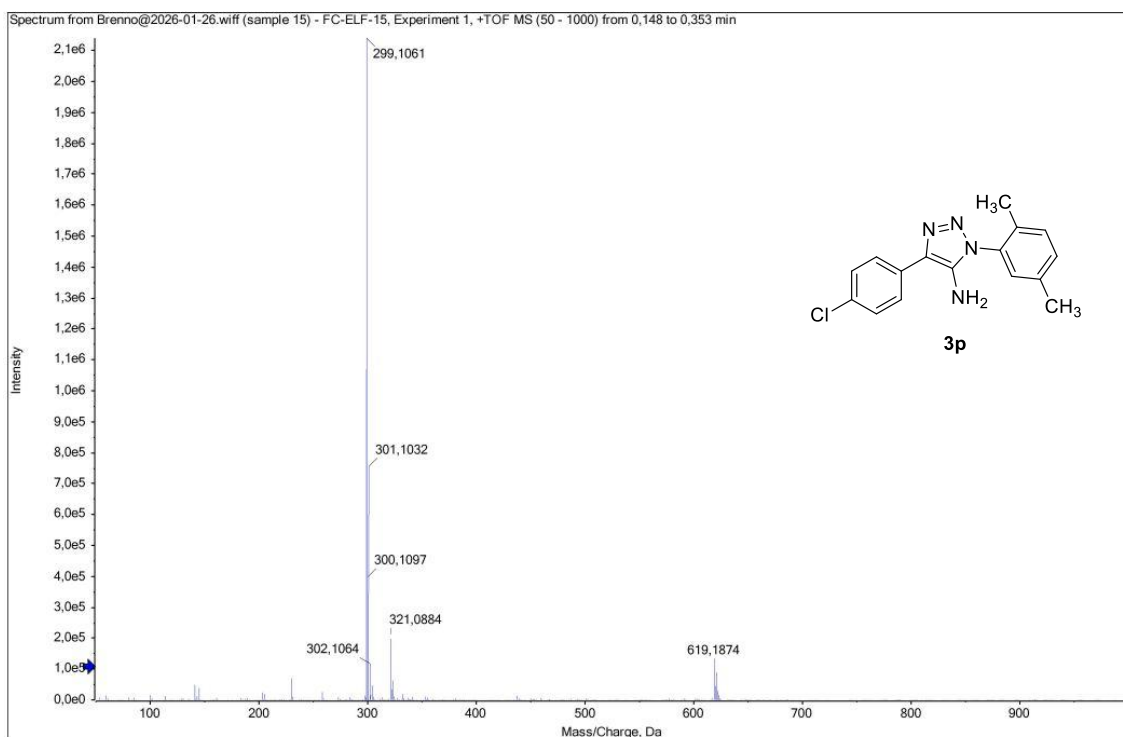


Figure S60. HRMS spectrum of **3p**.

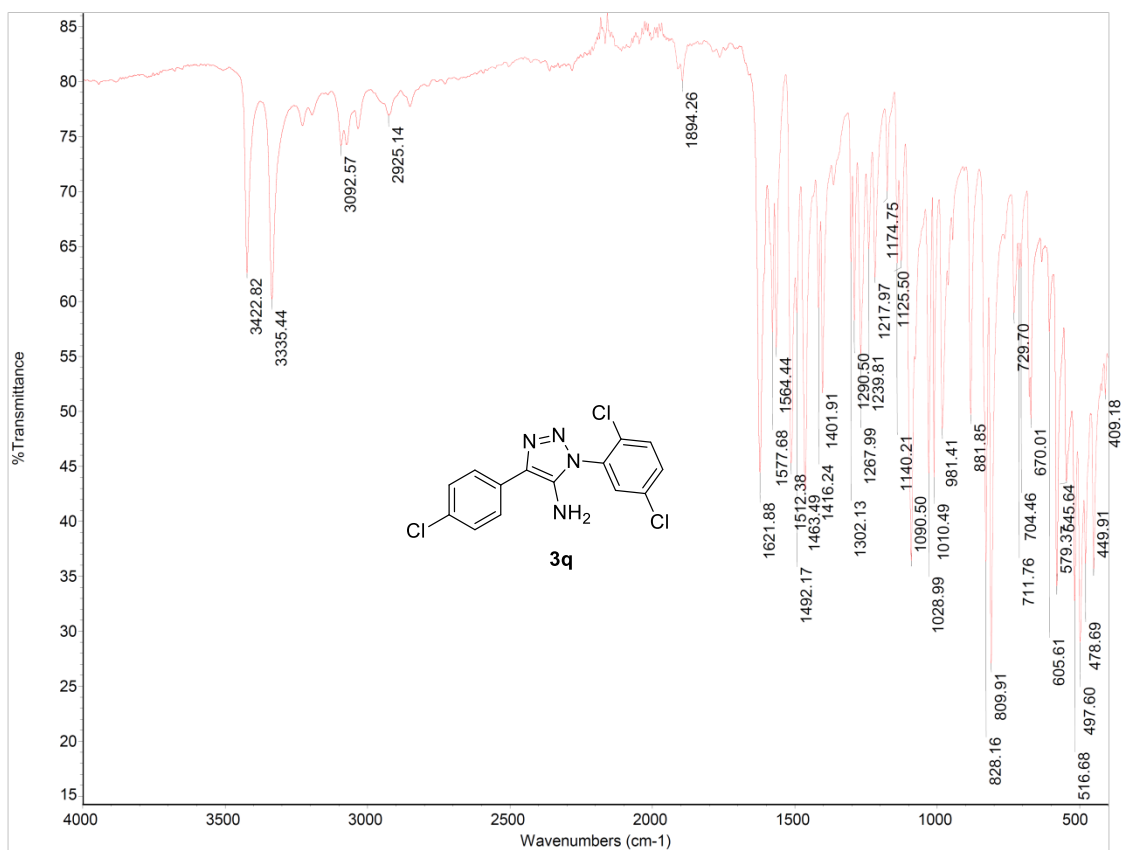


Figure S61. FTIR (neat) spectrum of compound **3q**.

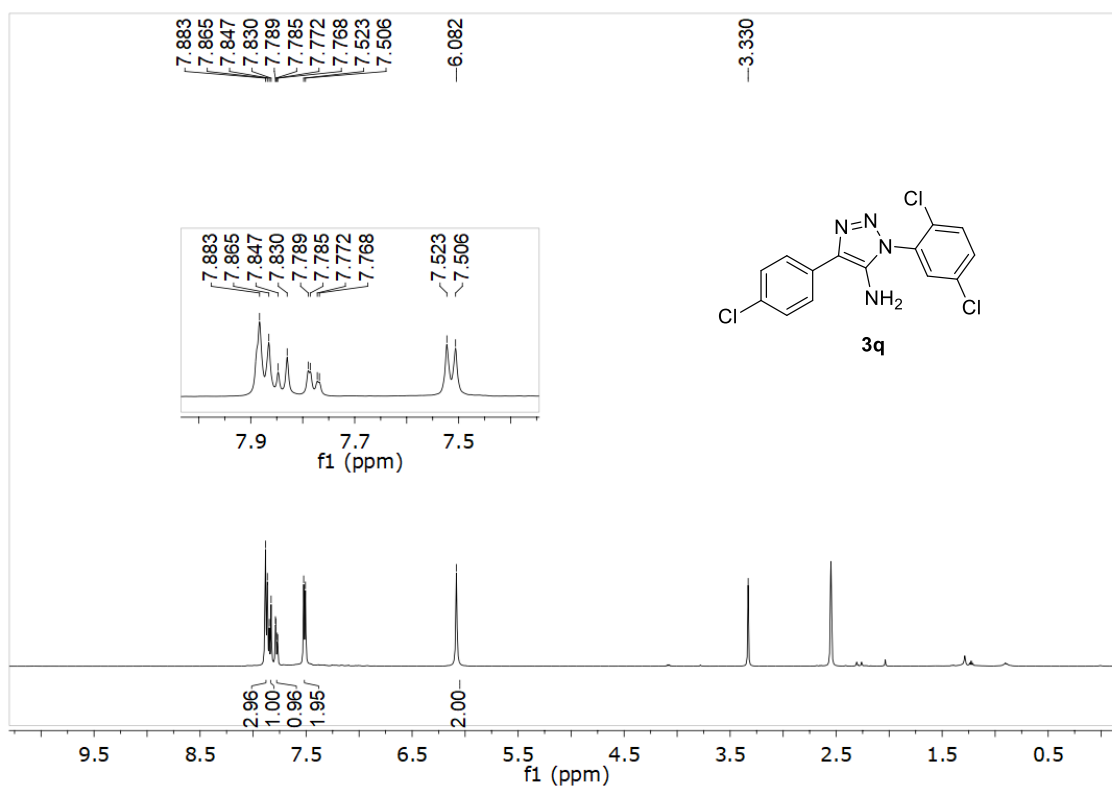


Figure S62. ¹H NMR spectrum (500 MHz, DMSO-*d*₆) of **3q**.

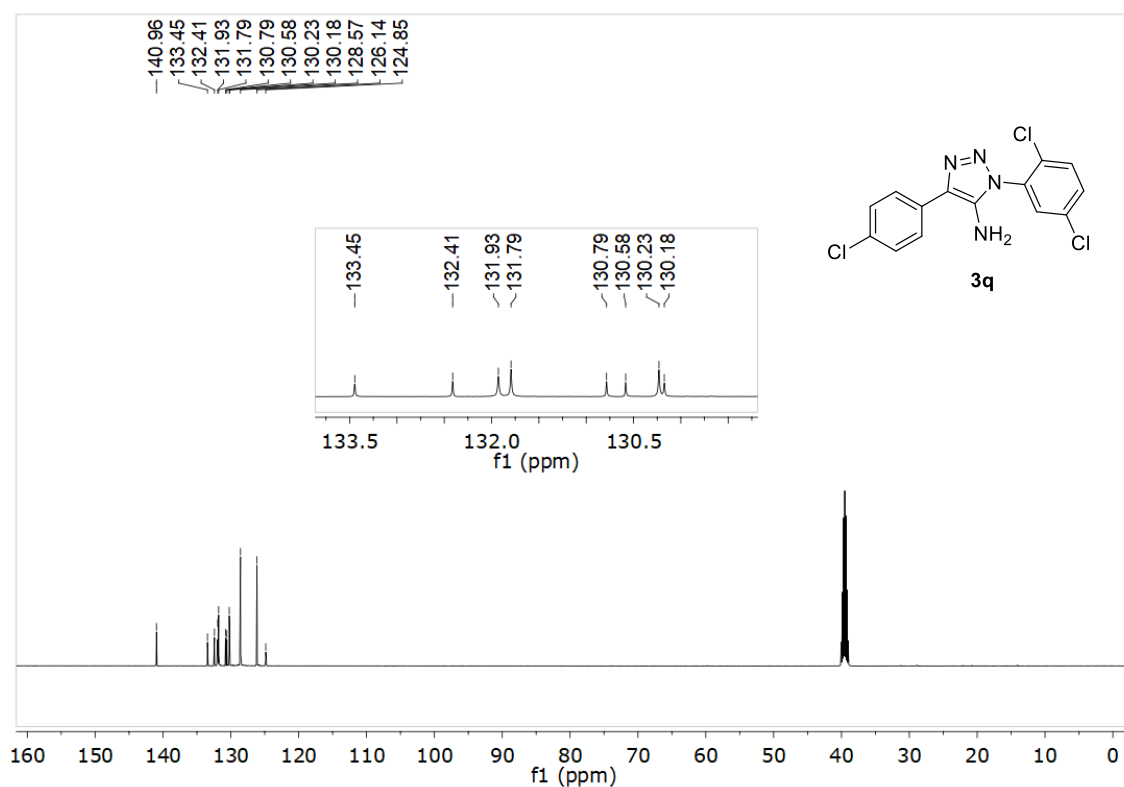


Figure S63. ^{13}C NMR spectrum (125 MHz, $\text{DMSO}-d_6$) of **3q**.

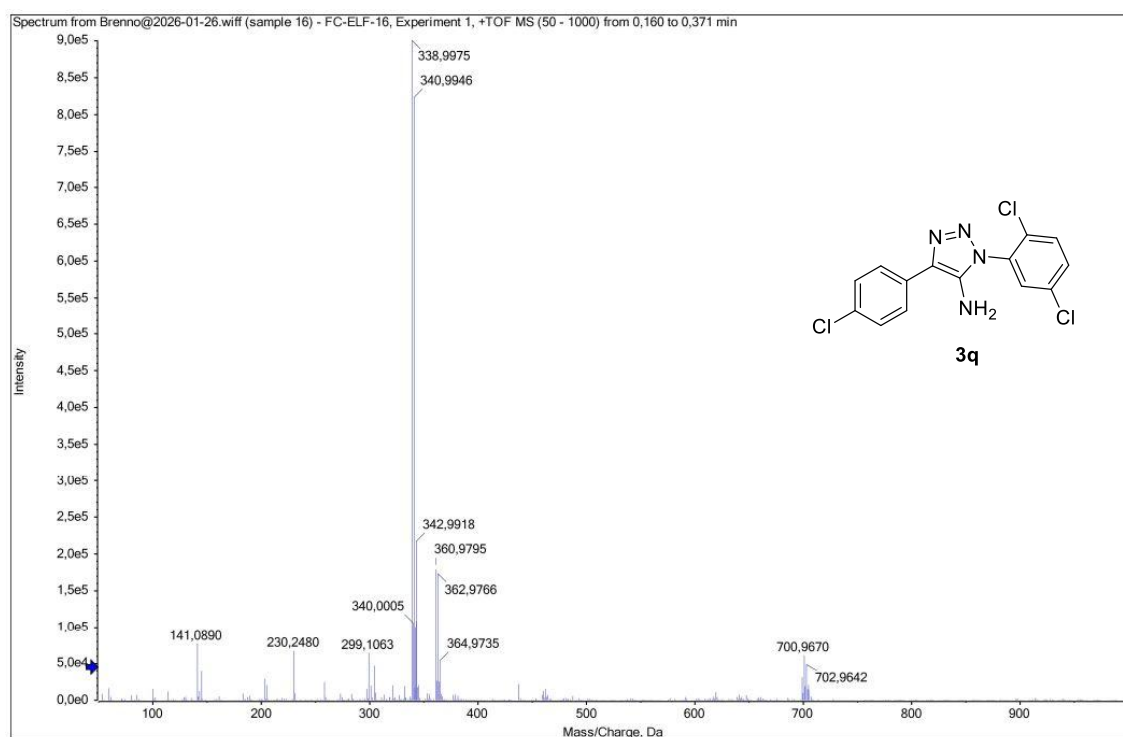


Figure S64. HRMS spectrum of **3q**.