

Supplementary Information

Polymer-Supported Dibutylstannyl Azide: An Efficient and Recoverable Reagent in the One-Pot Synthesis of Aryl Azides and 5-Aryl 1*H*-Tetrazoles

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Characterization data of [3-(azidodibutylstannyl)propoxy]methyl polystyrene (**3b**)

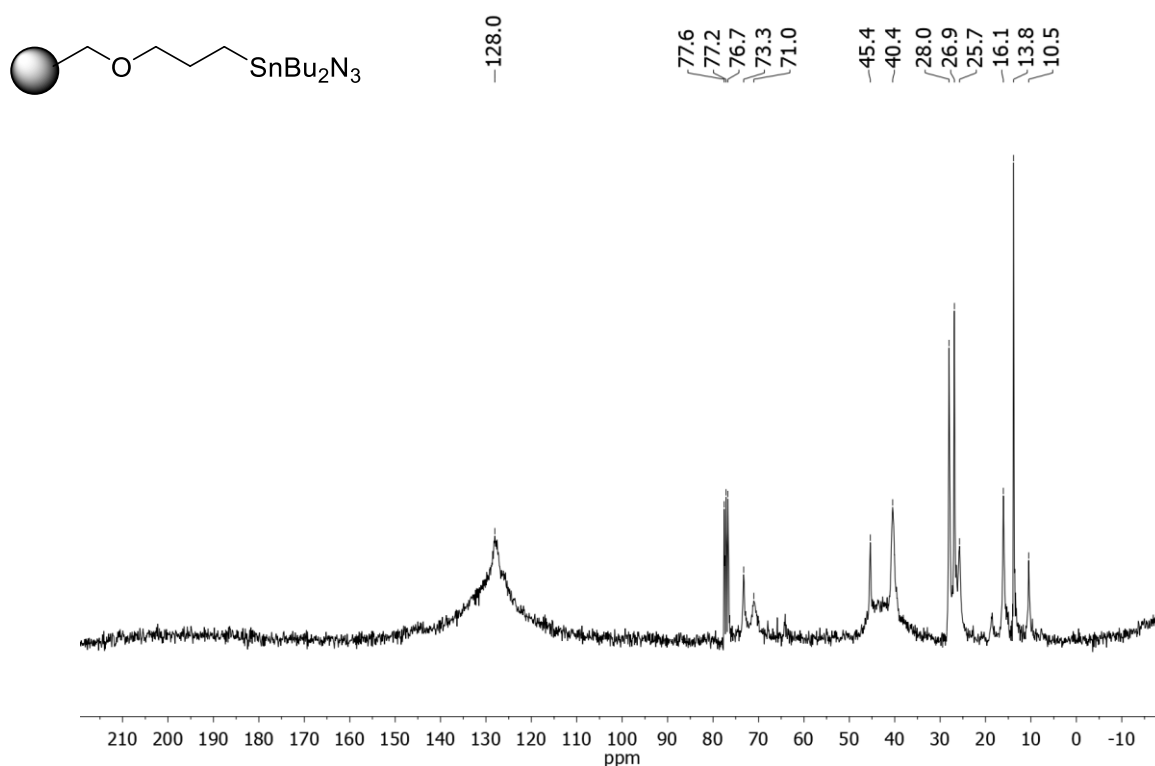


Figure S1. ¹³C NMR spectrum (75 MHz, gel-phase in CDCl₃) of compound **3b**.

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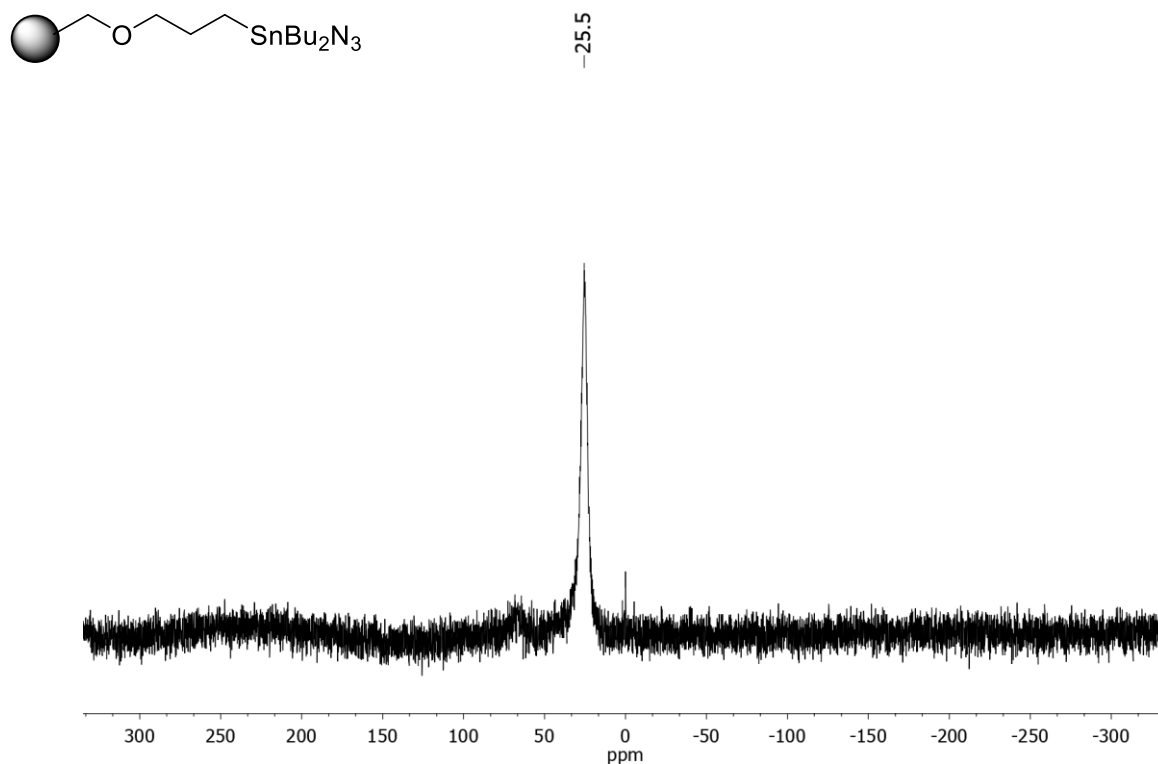


Figure S2. ^{119}Sn NMR spectrum (111.9 MHz, CDCl_3) of compound **3b**.

Characterization data of aryl azides **2d-2n**

Aryl azides **2d-2n** are known compounds whose spectroscopic properties are either in agreement with those previously reported.¹⁻⁵ NMR spectra are given.

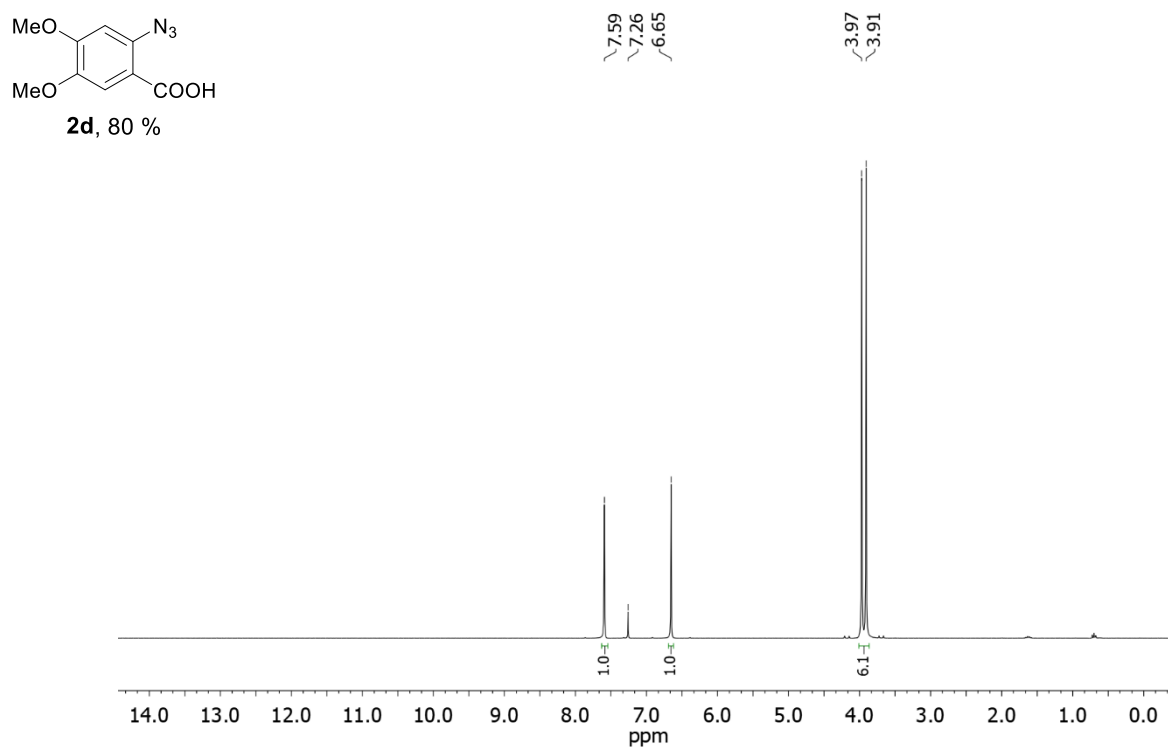


Figure S3. ^1H NMR spectrum (300 MHz, CDCl_3) of compound **2d**.¹

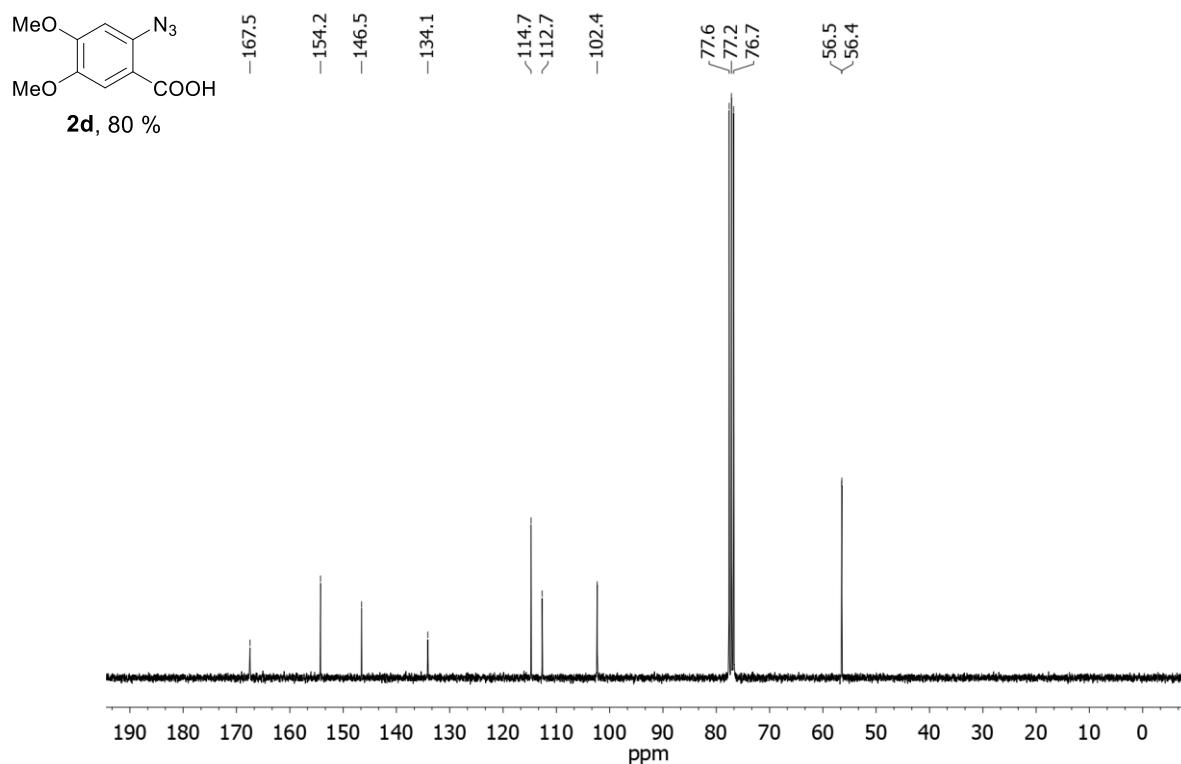


Figure S4. ¹³C NMR spectrum (75 MHz, CDCl₃) of compound **2d**.¹

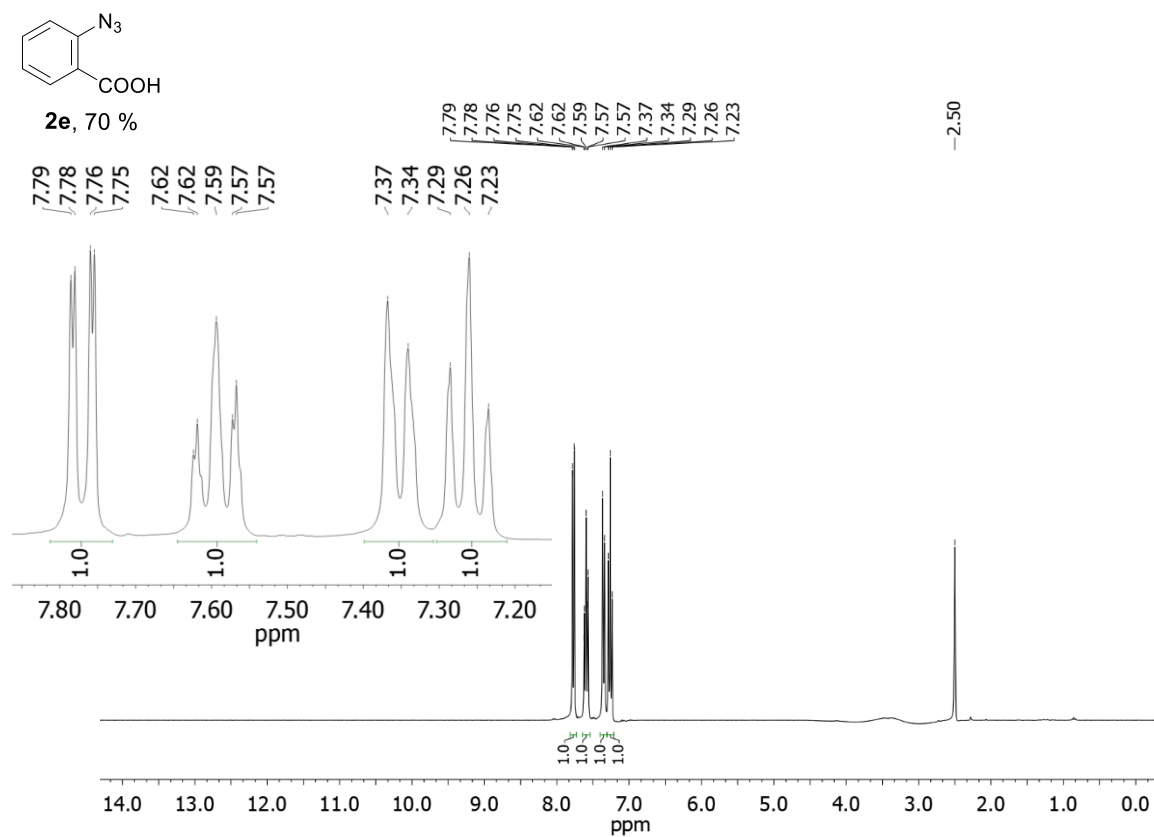


Figure S5. ¹H NMR spectrum (300 MHz, DMSO-*d*₆) of compound **2e**.¹

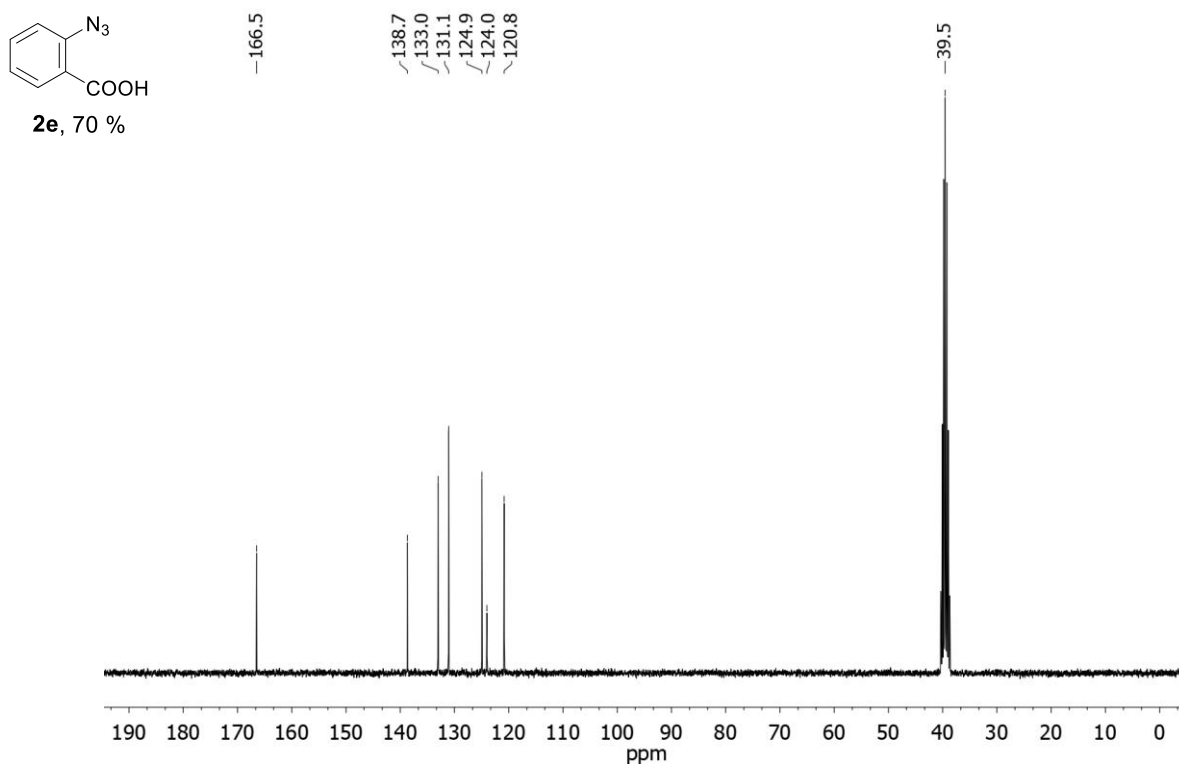


Figure S6. ^{13}C NMR spectrum (75 MHz, DMSO- d_6) of compound **2e**.¹

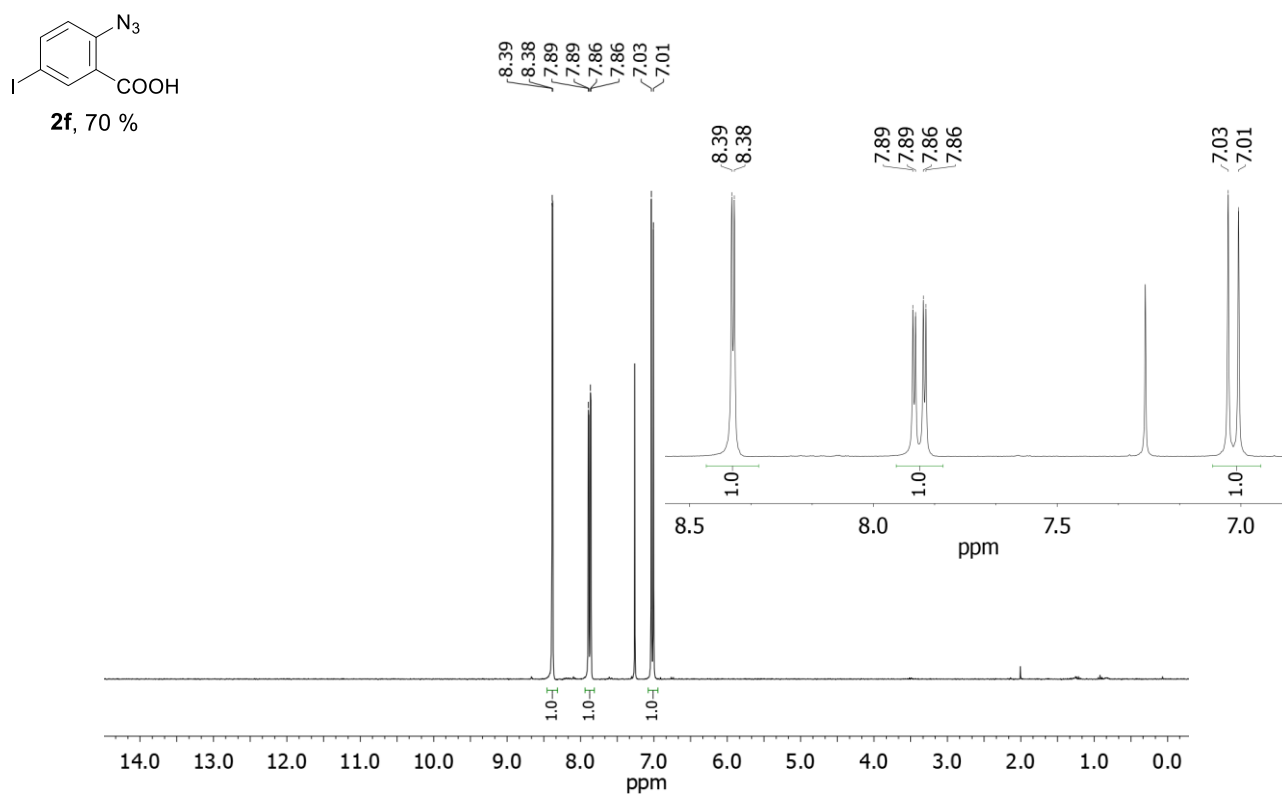


Figure S7. ^1H NMR spectrum (300 MHz, CDCl_3) of compound **2f**.¹

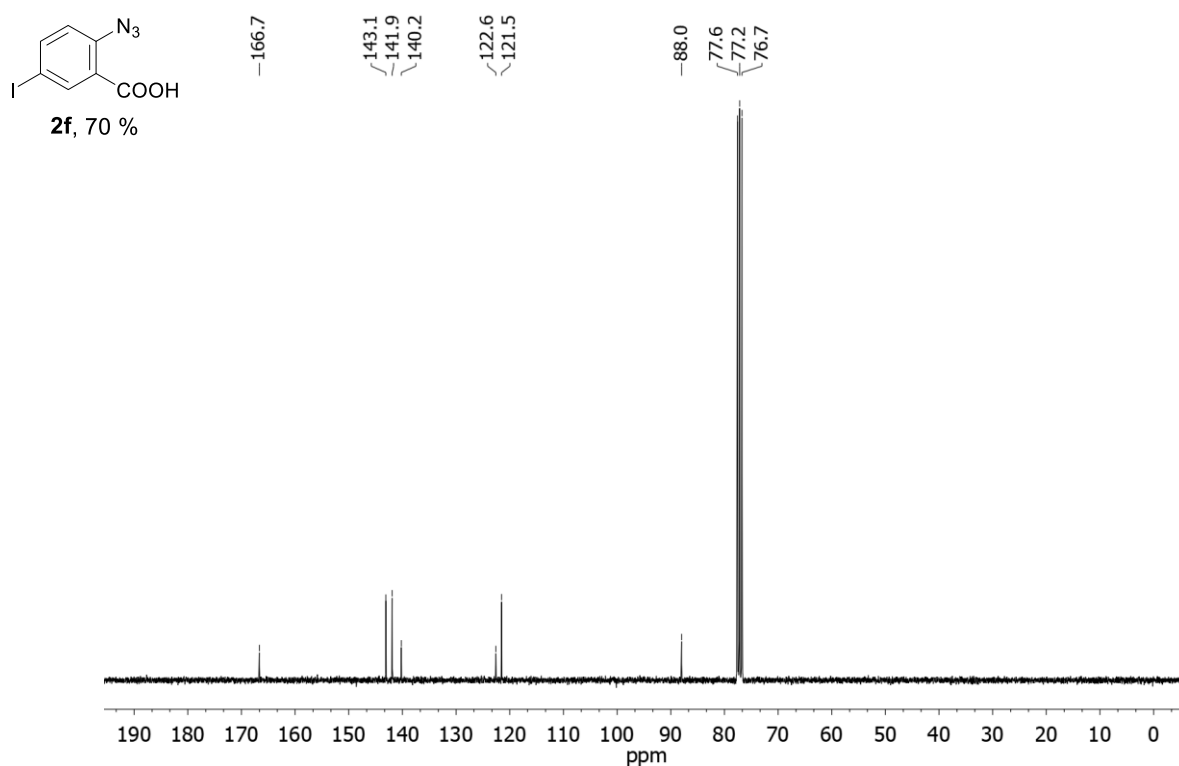


Figure S8. ¹³C NMR spectrum (75 MHz, CDCl₃) of compound **2f**.¹

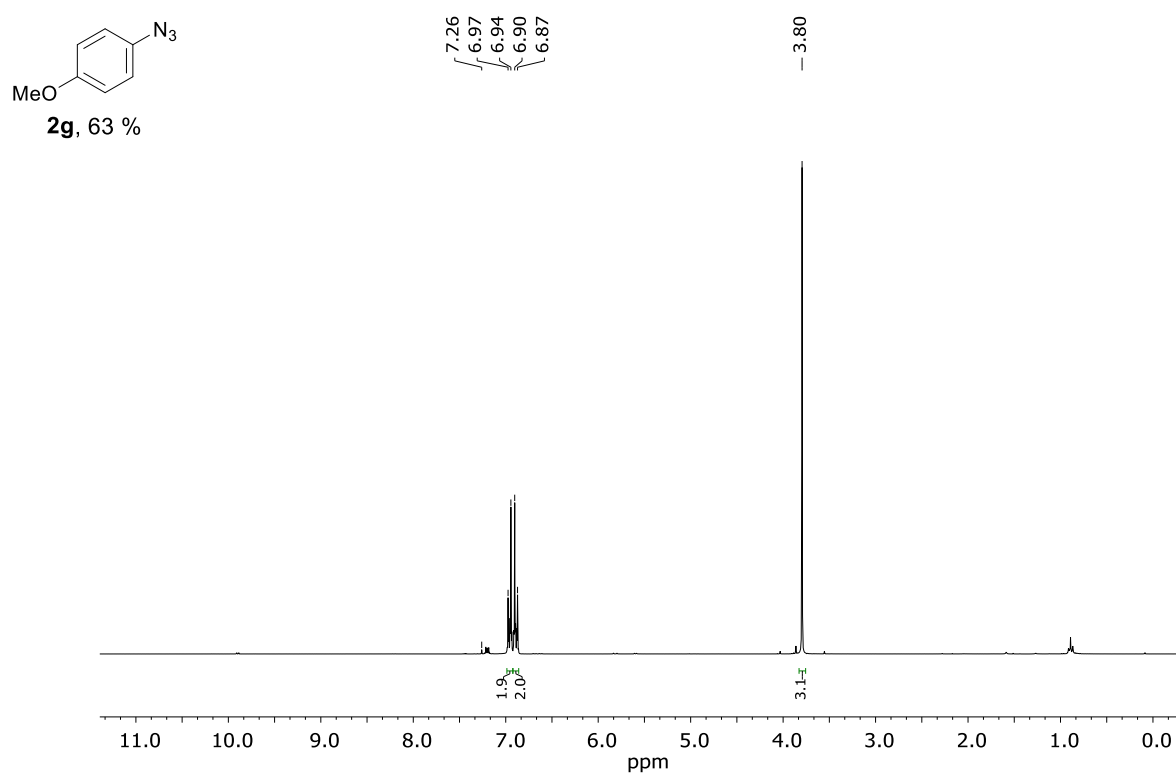


Figure S9. ¹H NMR spectrum (300 MHz, CDCl₃) of compound **2g**.¹

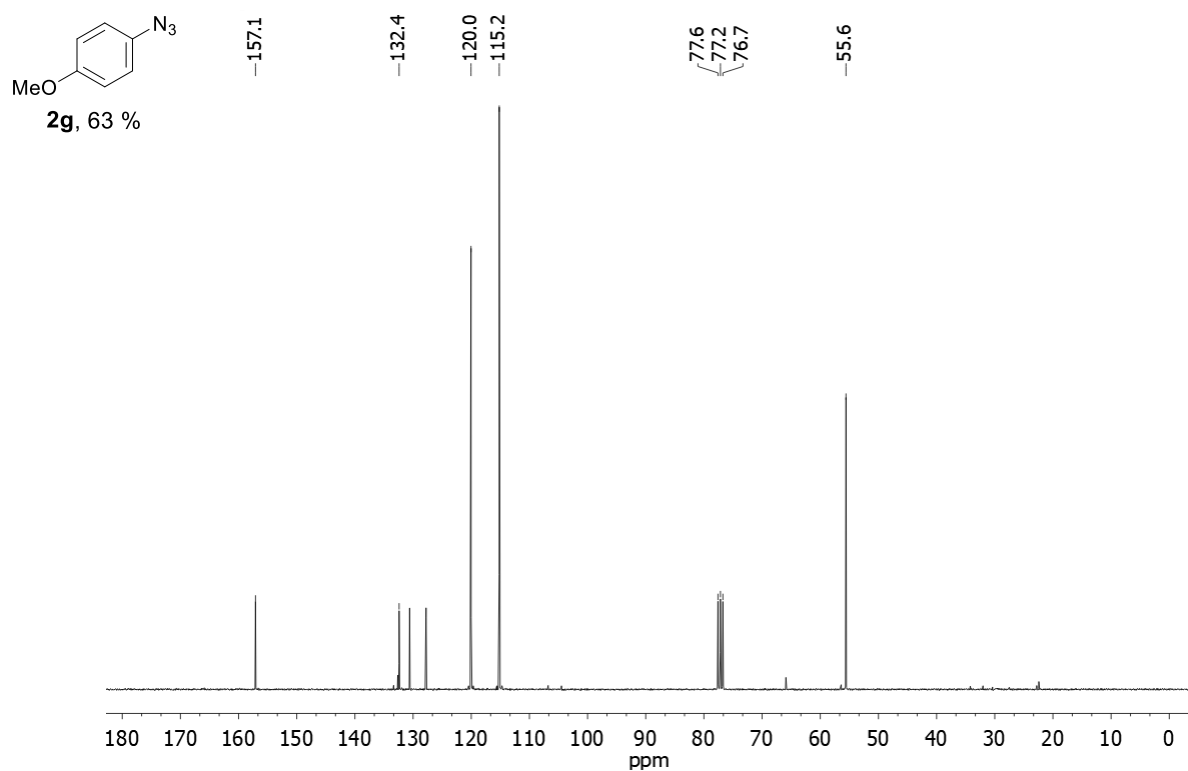


Figure S10. ^{13}C NMR spectrum (75 MHz, CDCl_3) of compound **2g**.¹

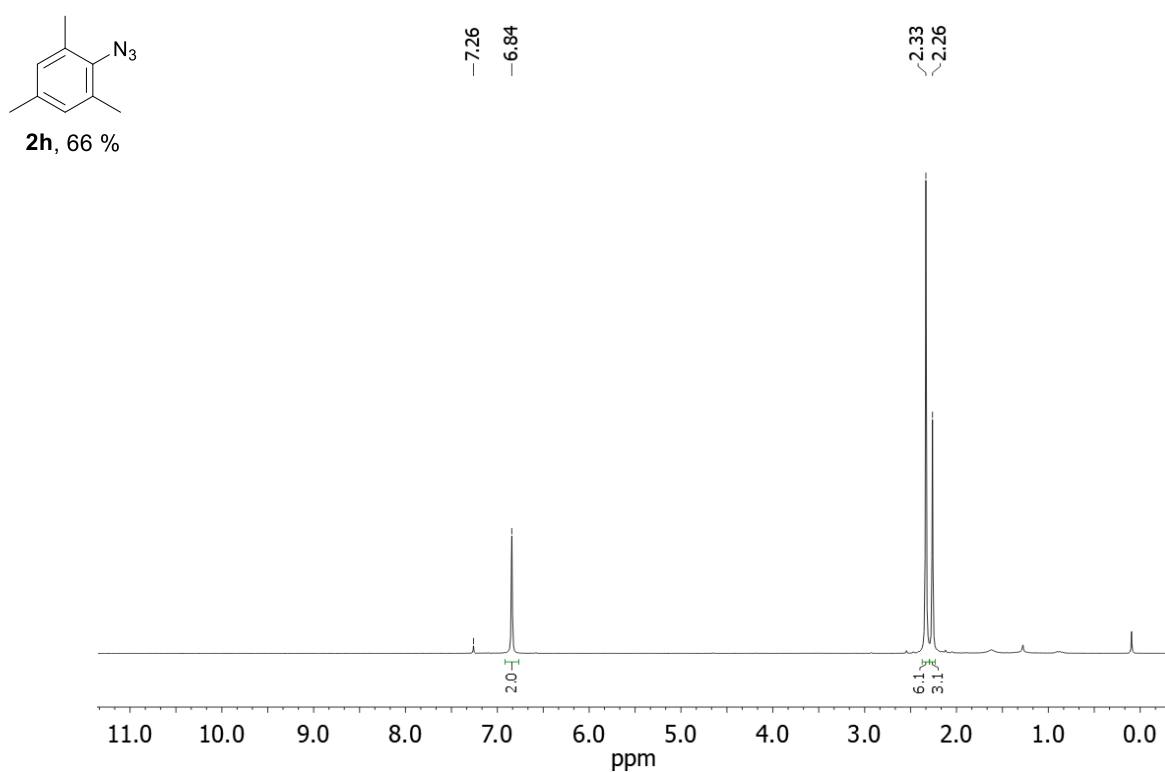


Figure S11. ^1H NMR spectrum (300 MHz, CDCl_3) of compound **2h**.²

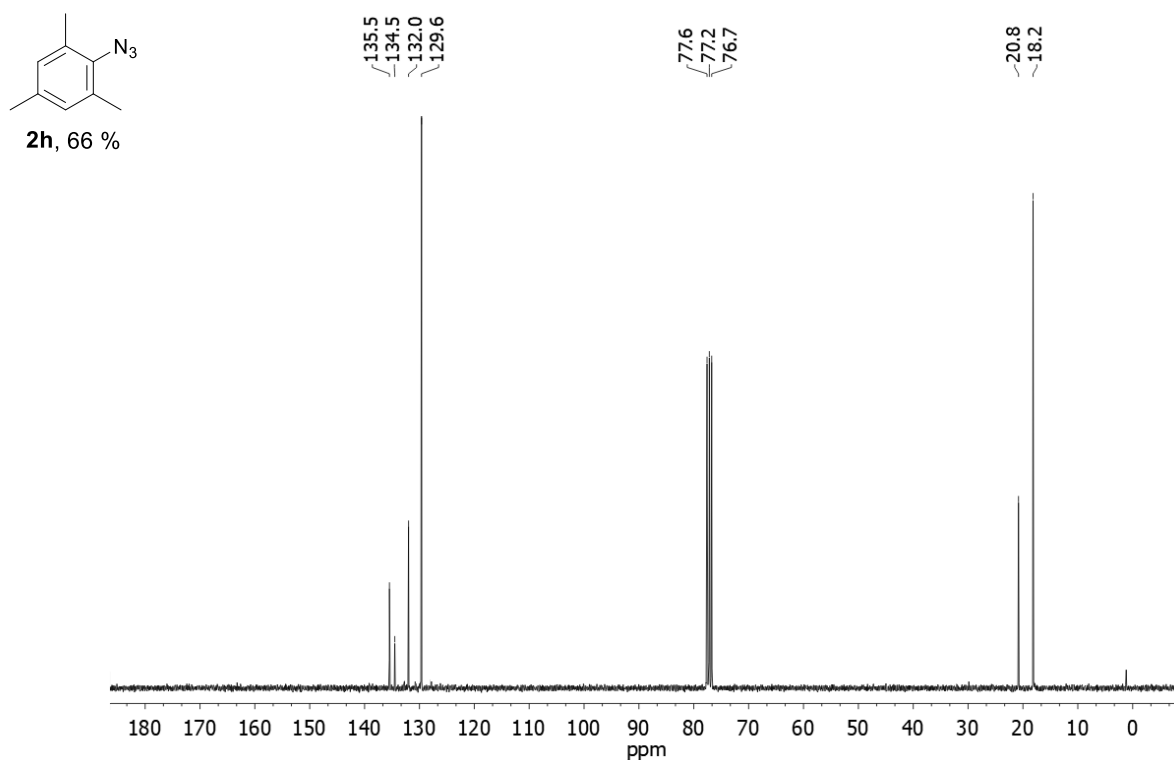


Figure S12. ^{13}C NMR spectrum (75 MHz, CDCl_3) of compound **2h**.²

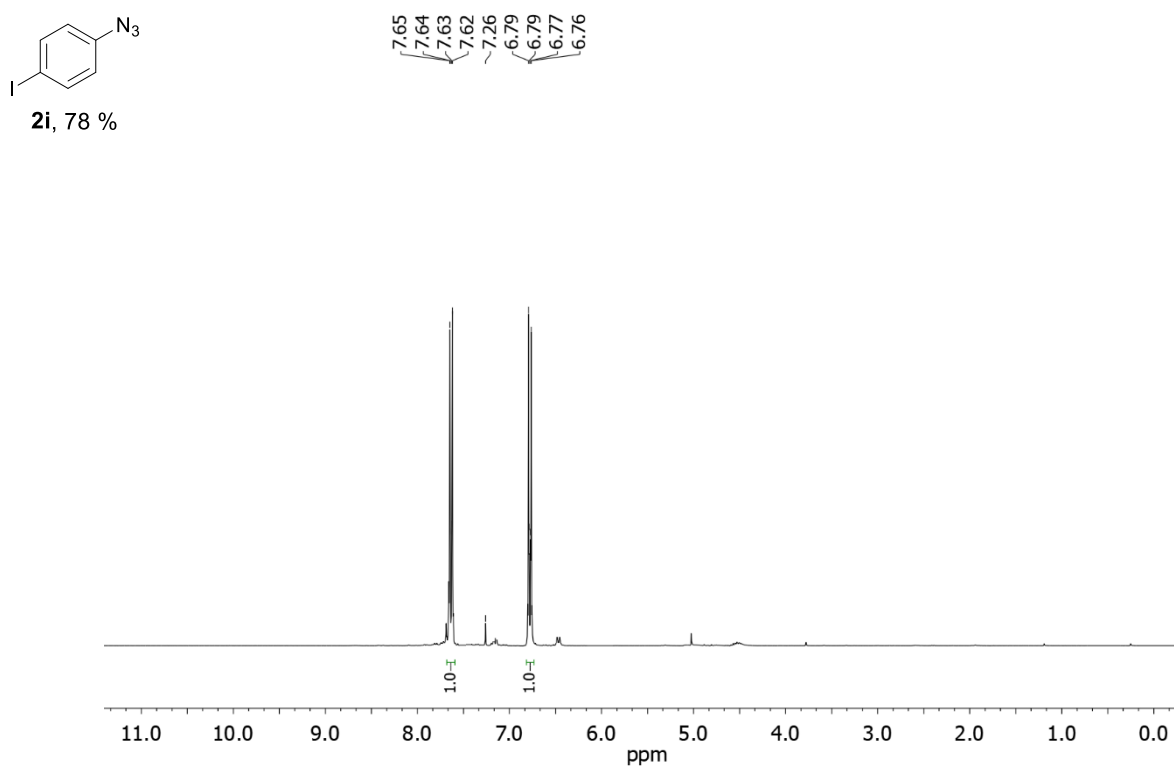


Figure S13. ^1H NMR spectrum (300 MHz, CDCl_3) of compound **2i**.¹

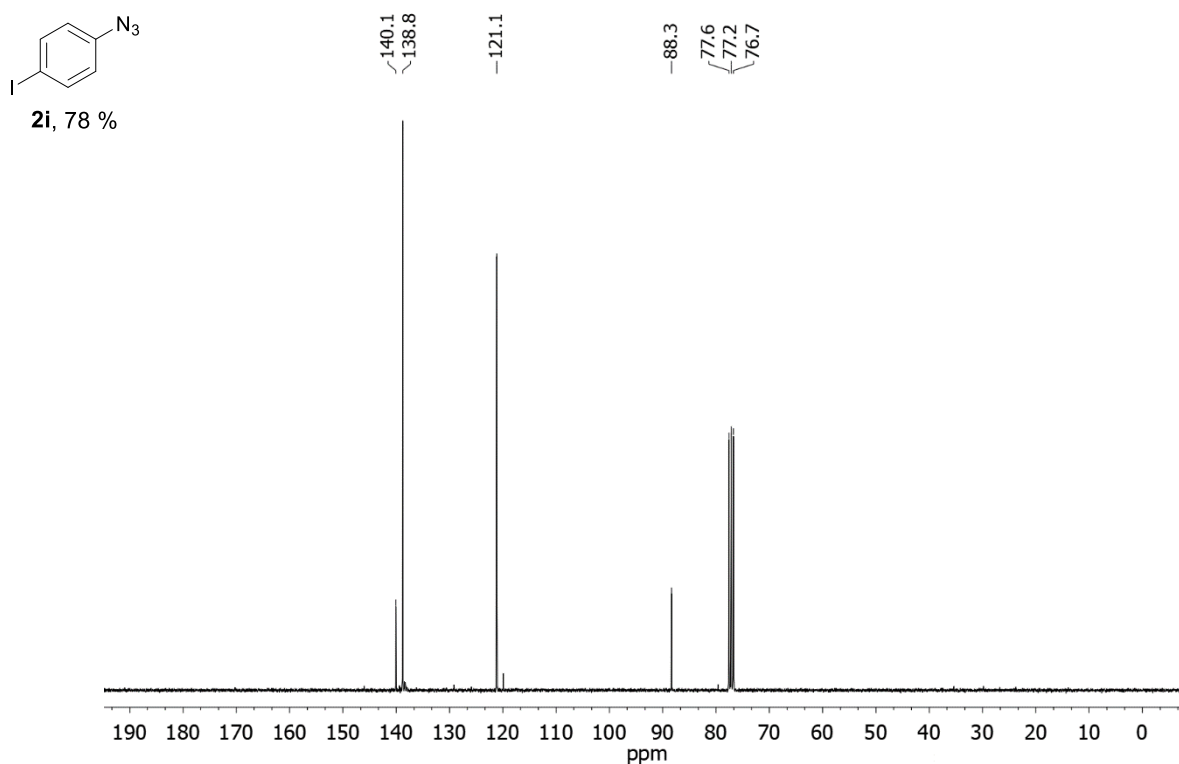


Figure S14. ^{13}C NMR spectrum (75 MHz, CDCl_3) of compound **2i**.¹

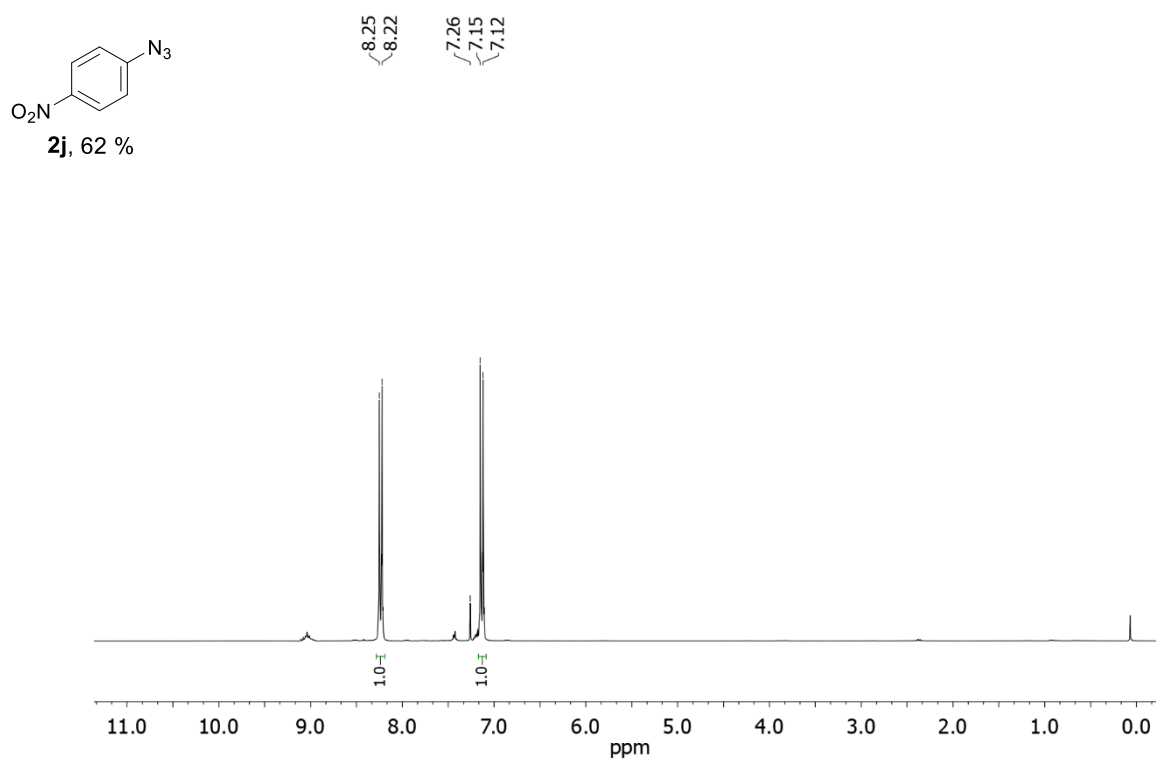


Figure S15. ^1H NMR spectrum (300 MHz, CDCl_3) of compound **2j**.²

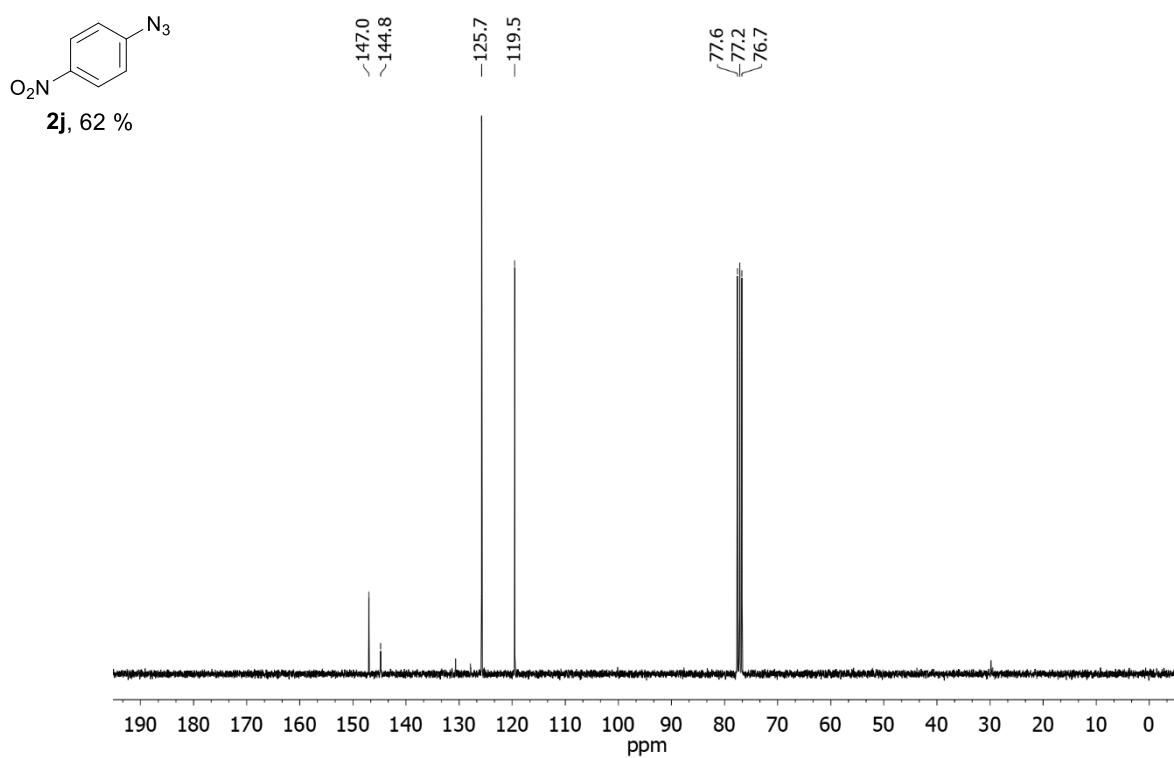


Figure S16. ^{13}C NMR spectrum (75 MHz, CDCl_3) of compound **2j**.²

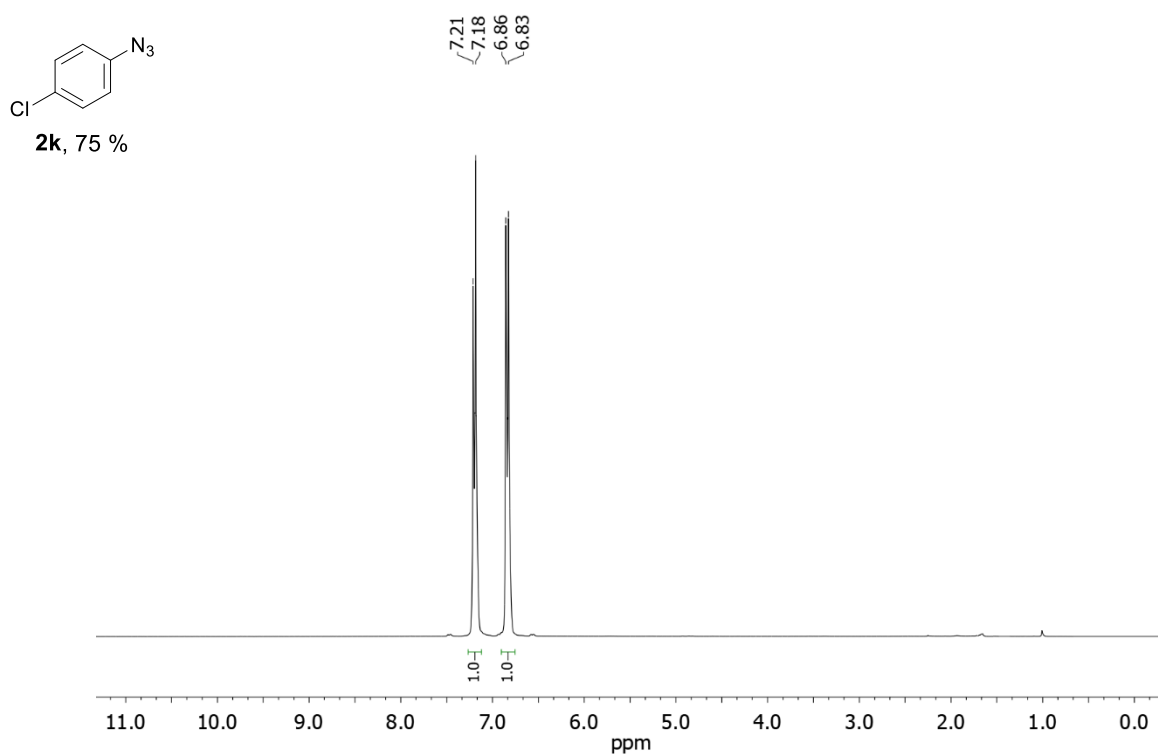


Figure S17. ^1H NMR spectrum (300 MHz, CDCl_3) of compound **2k**.²

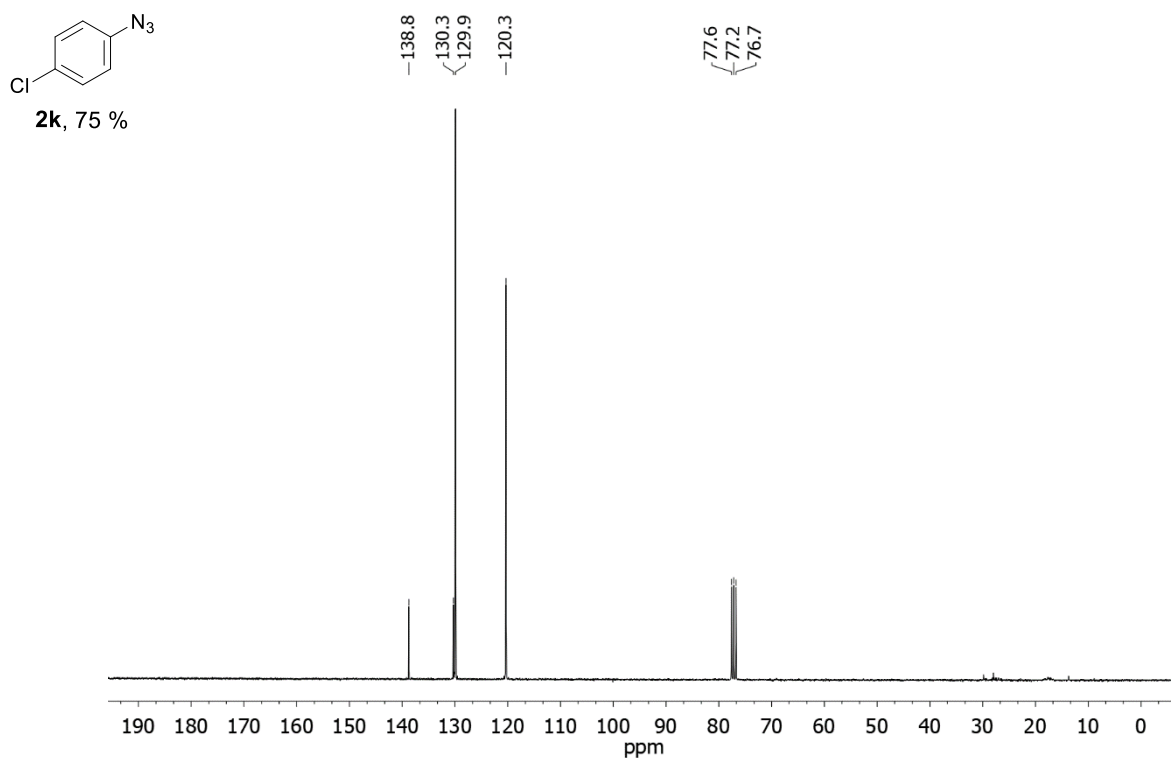


Figure S18. ^{13}C NMR spectrum (75 MHz, CDCl_3) of compound **2k**.²

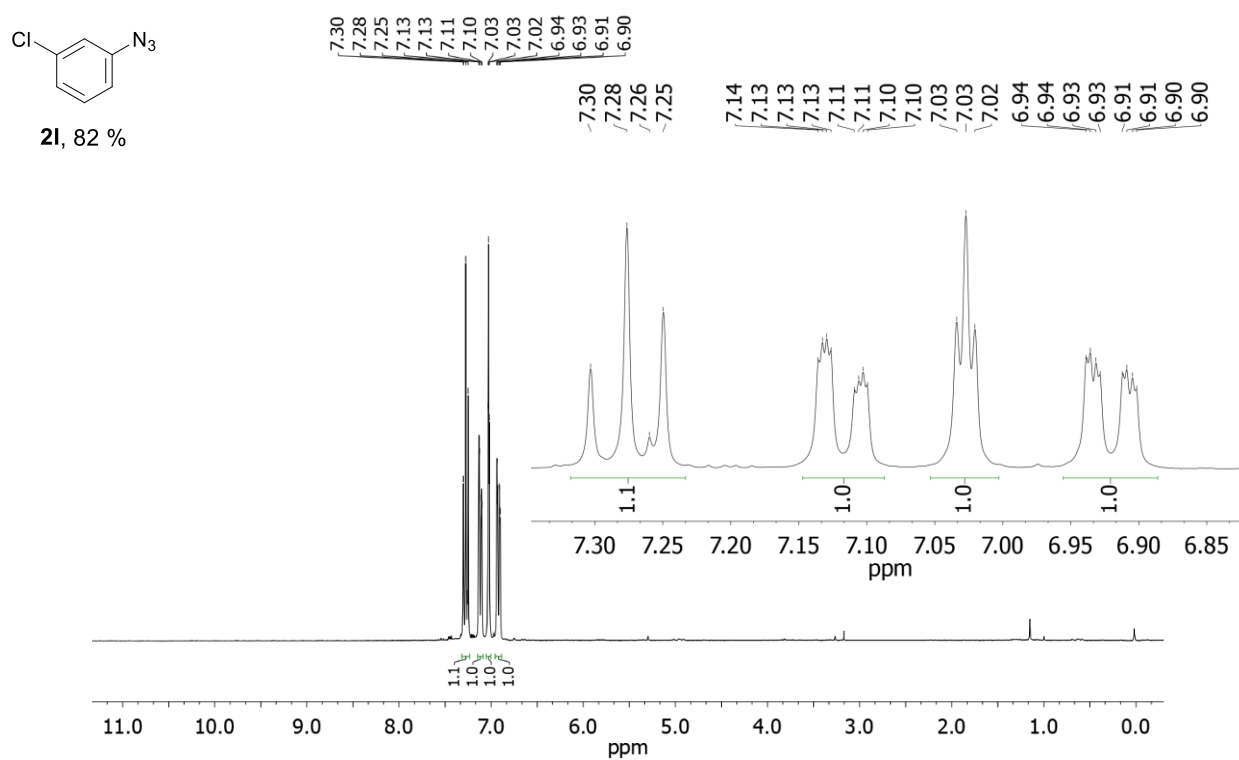


Figure S19. ^1H NMR spectrum (300 MHz, CDCl_3) of compound **2l**.³

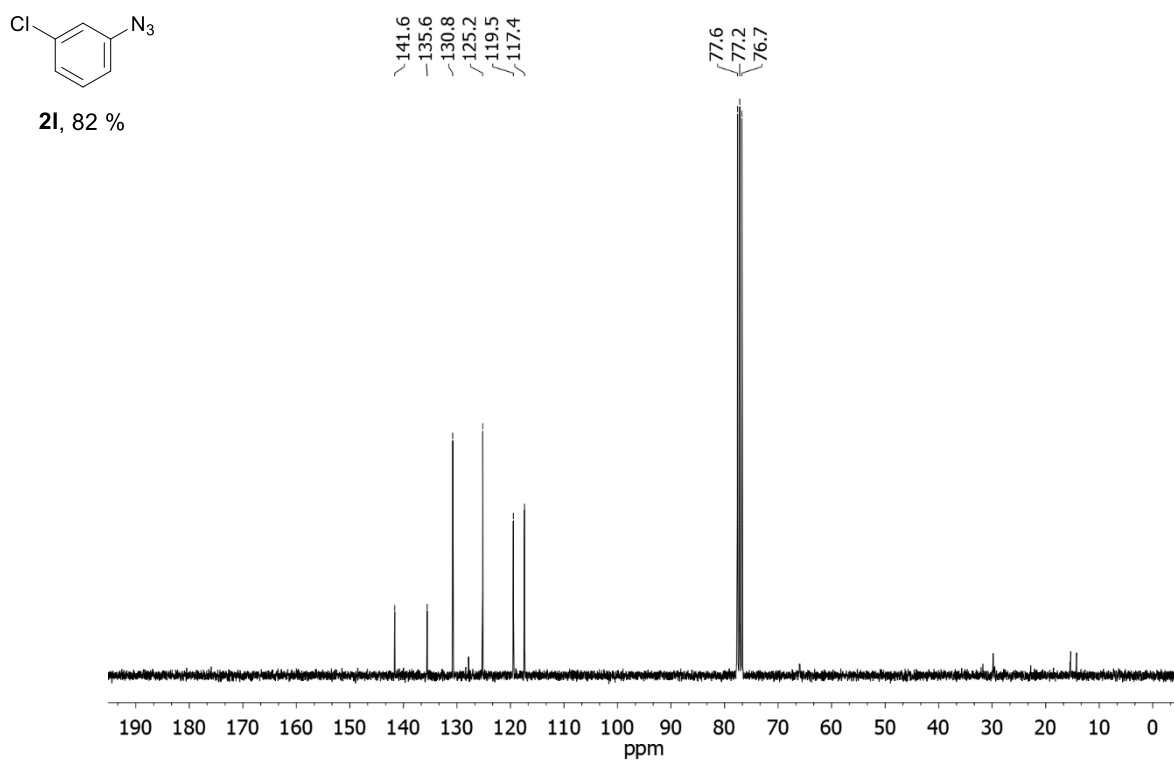


Figure S20. ^{13}C NMR spectrum (75 MHz, CDCl_3) of compound **2l**.³

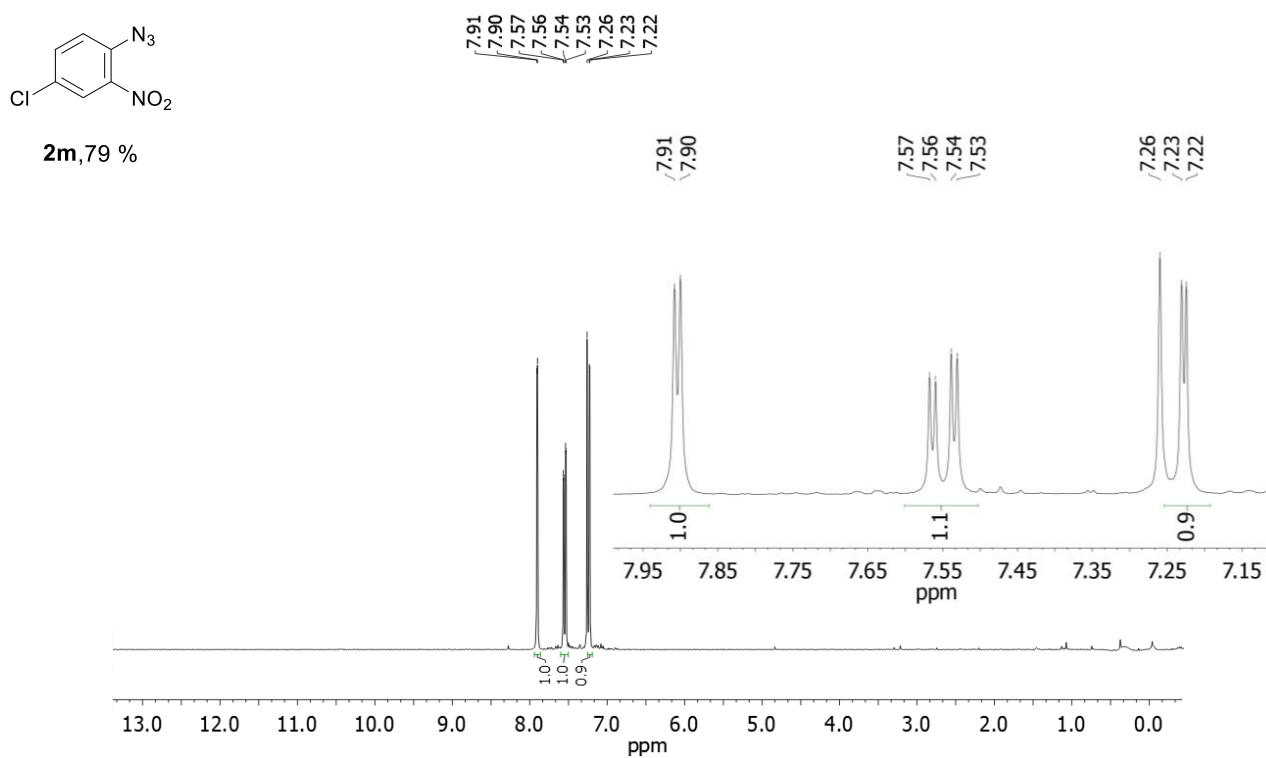


Figure S21. ^1H NMR spectrum (300 MHz, CDCl_3) of compound **2m**.⁴

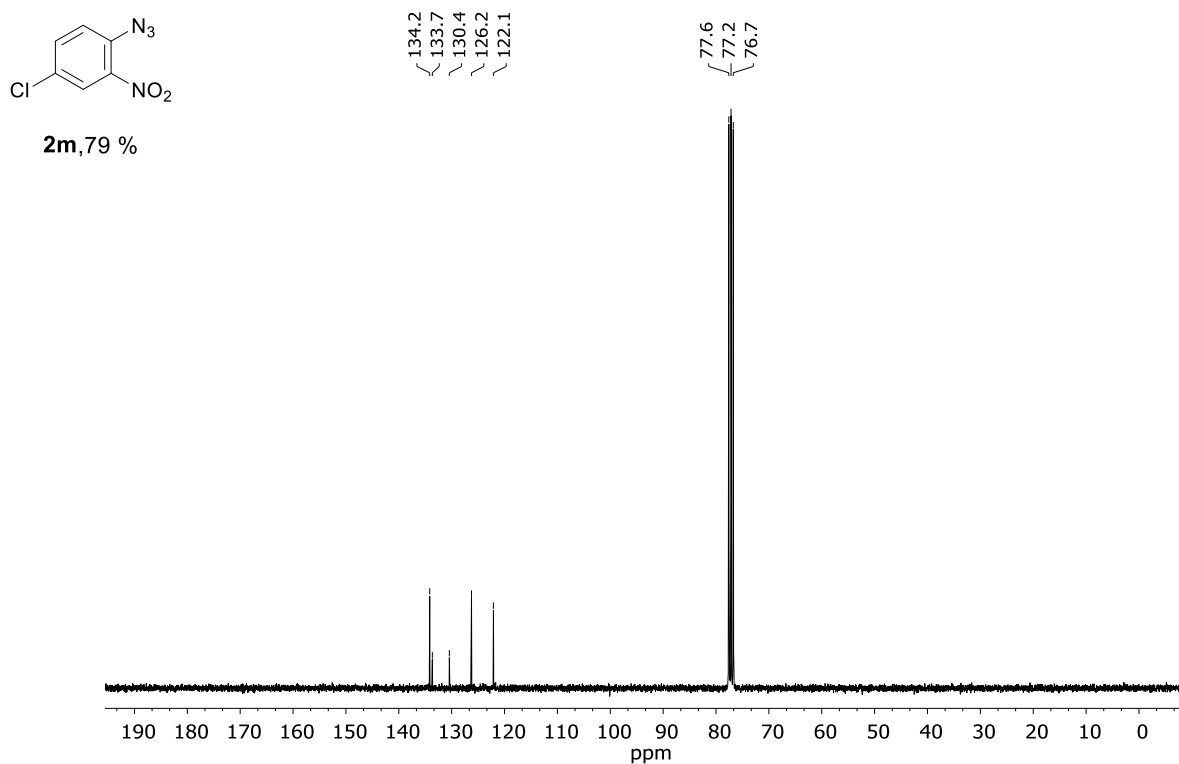


Figure S22. ¹³C NMR spectrum (75 MHz, CDCl₃) of compound **2m**.⁴

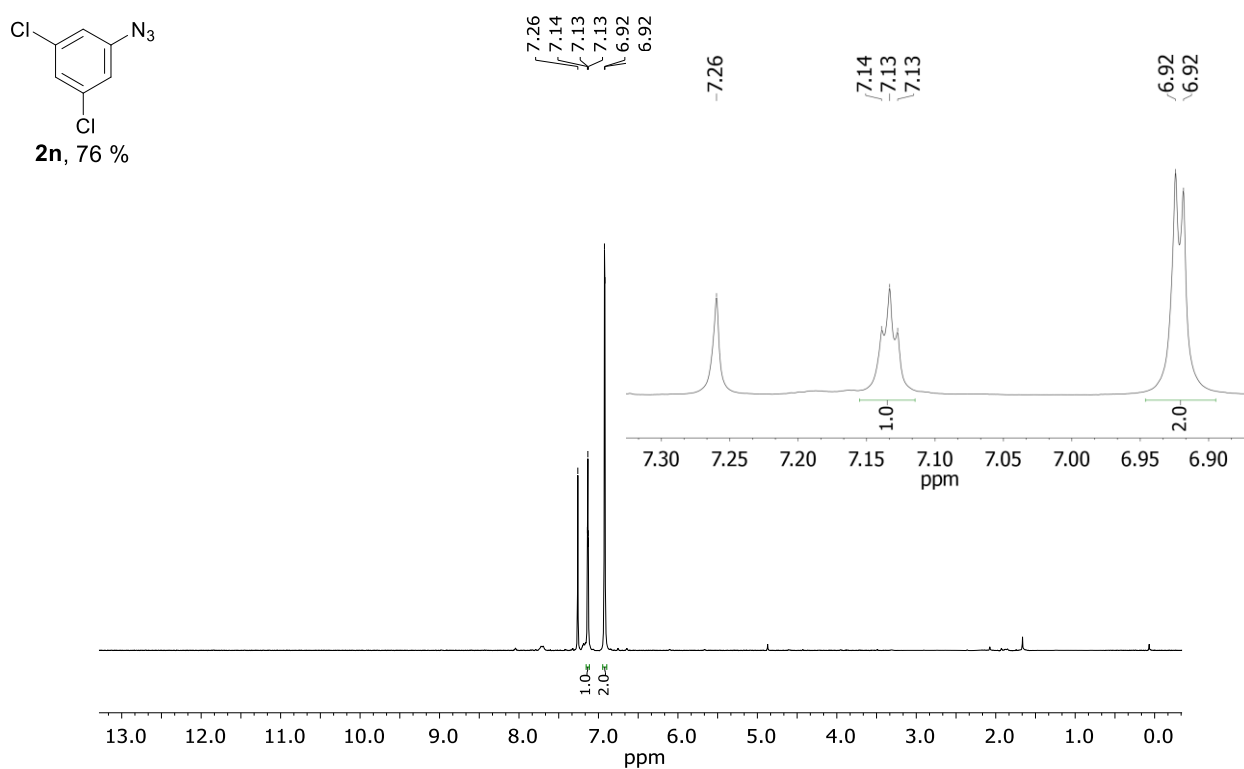


Figure S23. ¹H NMR spectrum (300 MHz, CDCl₃) of compound **2n**.⁵

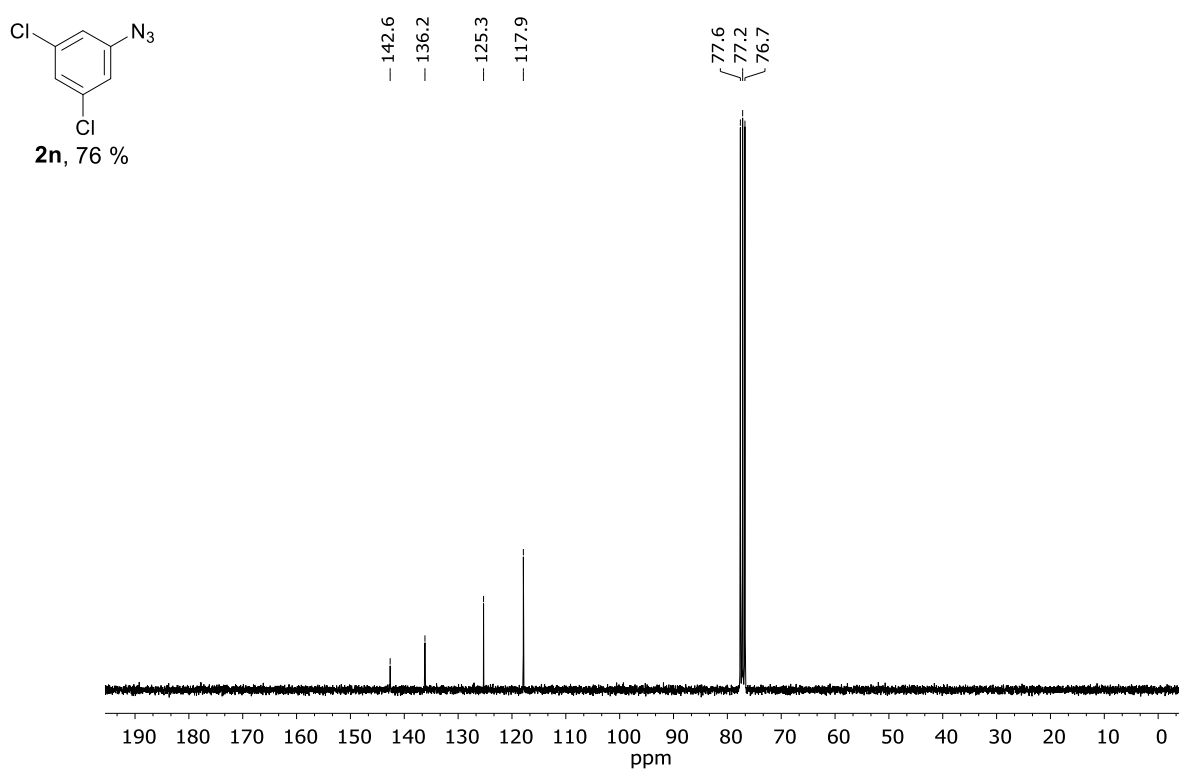


Figure S24. ¹³C NMR spectrum (75 MHz, CDCl₃) of compound **2n**.⁵

Characterization data of 5-aryl 1H-tetrazoles

5-Aryl 1H-tetrazoles **5a-5e** are known compounds whose spectroscopic properties are either in agreement with those previously reported.⁶⁻⁸ Selected NMR spectra are given.

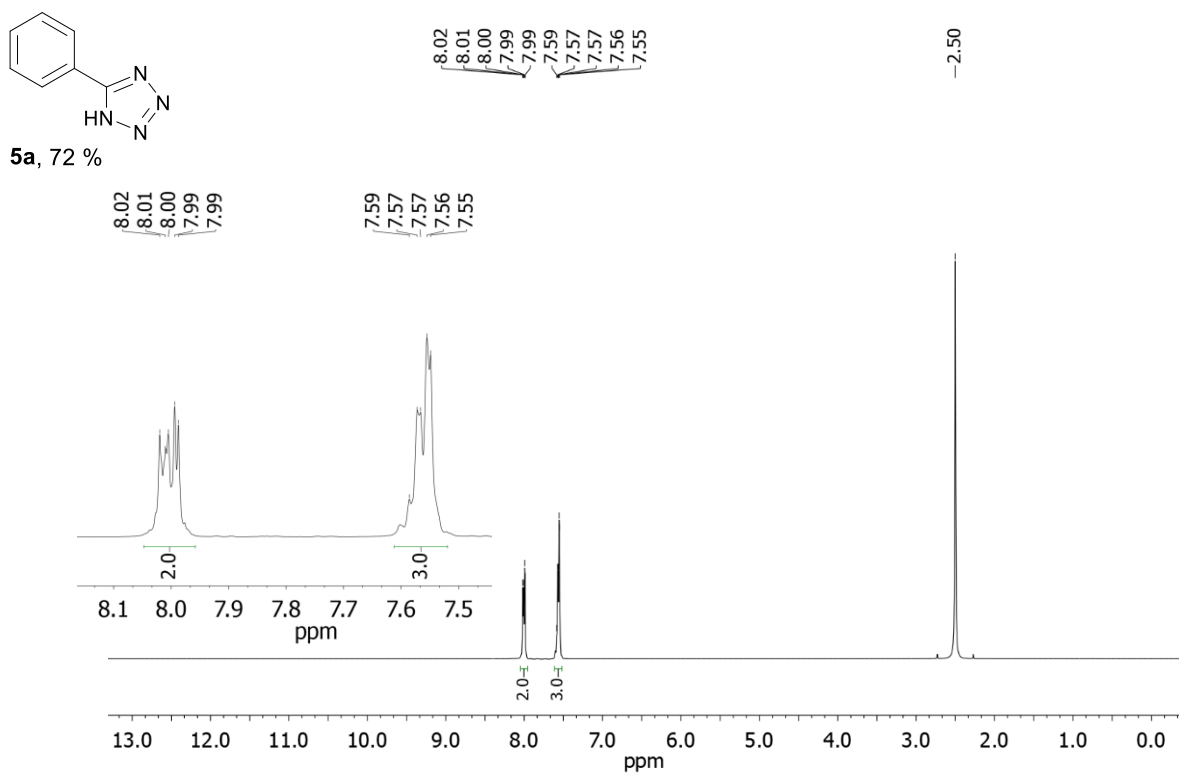


Figure S25. ¹H NMR spectrum (300 MHz, DMSO-*d*₆) of compound **5a**.⁶

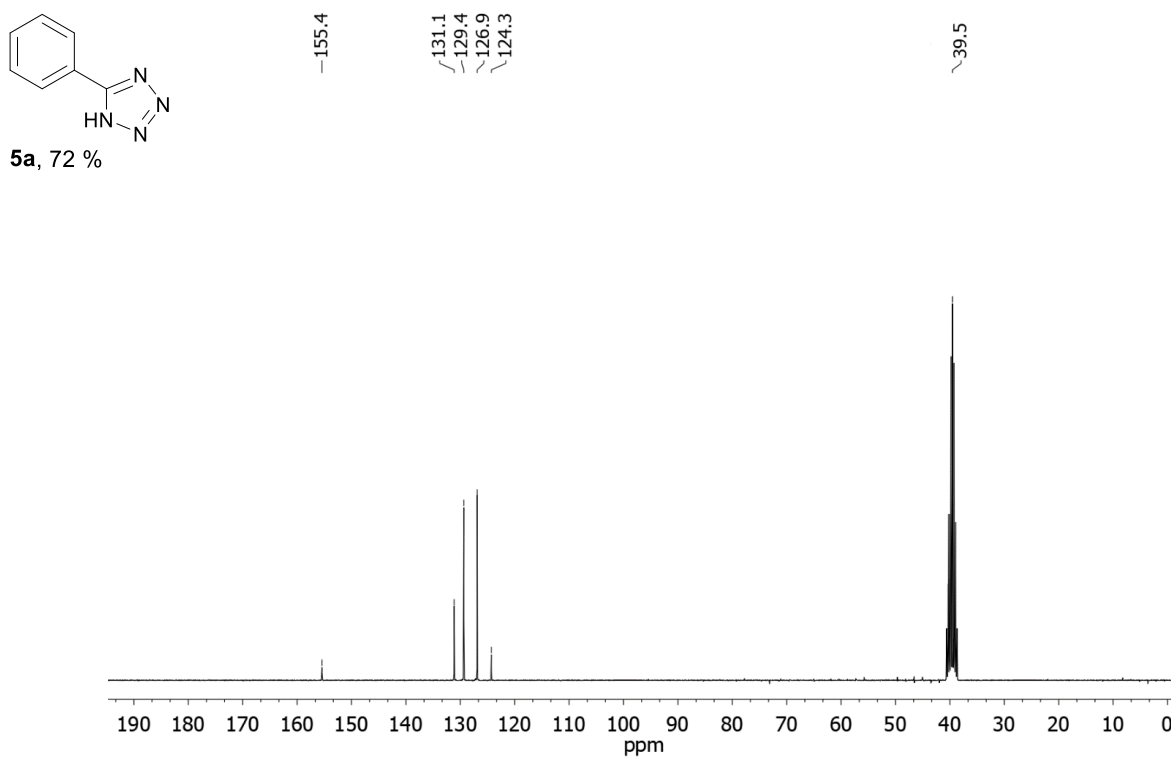


Figure S26. ¹³C NMR spectrum (75 MHz, DMSO-*d*₆) of compound **5a**.⁶

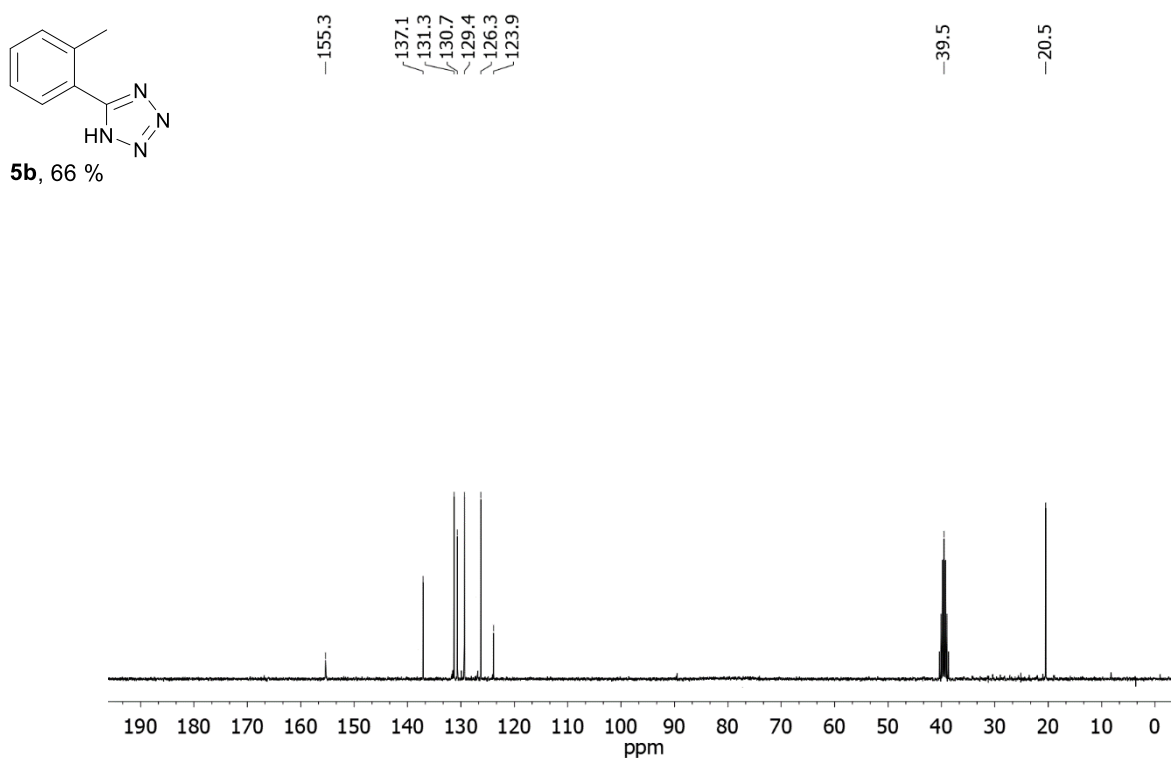


Figure S27. ¹³C NMR spectrum (75 MHz, DMSO-*d*₆) of compound **5b**.⁶

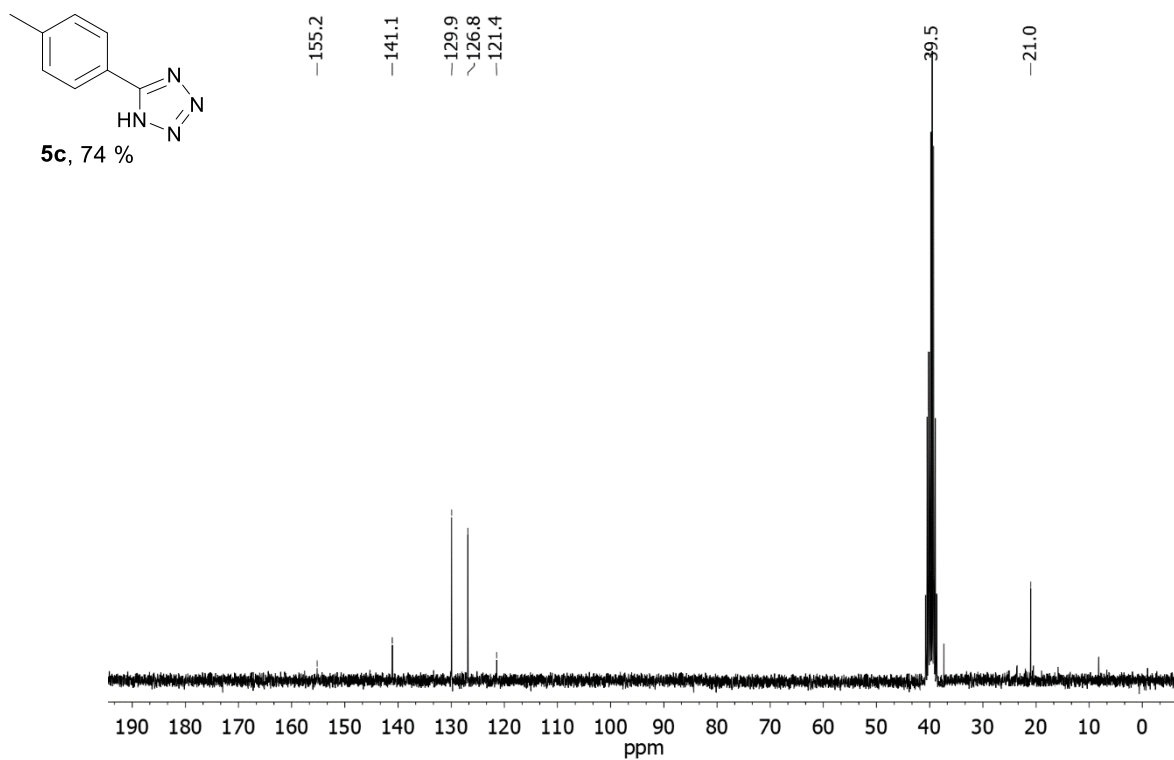


Figure S28. ¹³C NMR spectrum (75 MHz, DMSO-*d*₆) of compound **5c**.⁷

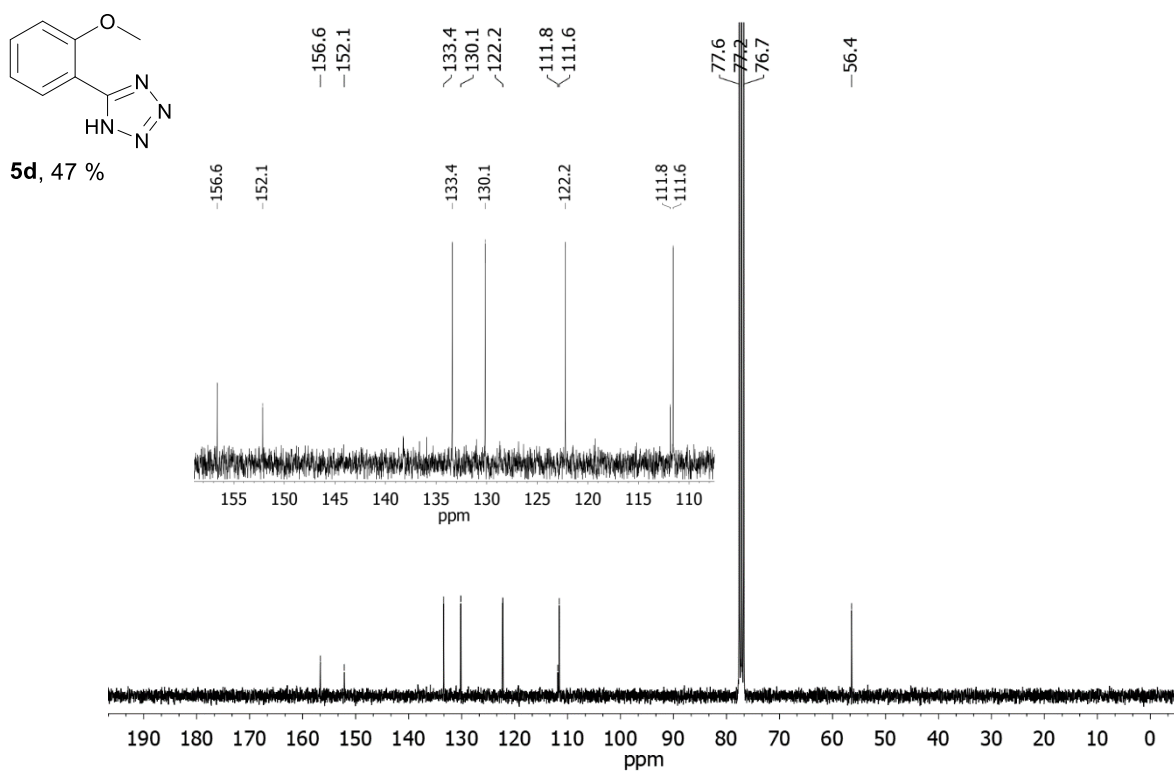


Figure S29. ¹³C NMR spectrum (75 MHz, CDCl₃) of compound **5d**.⁸

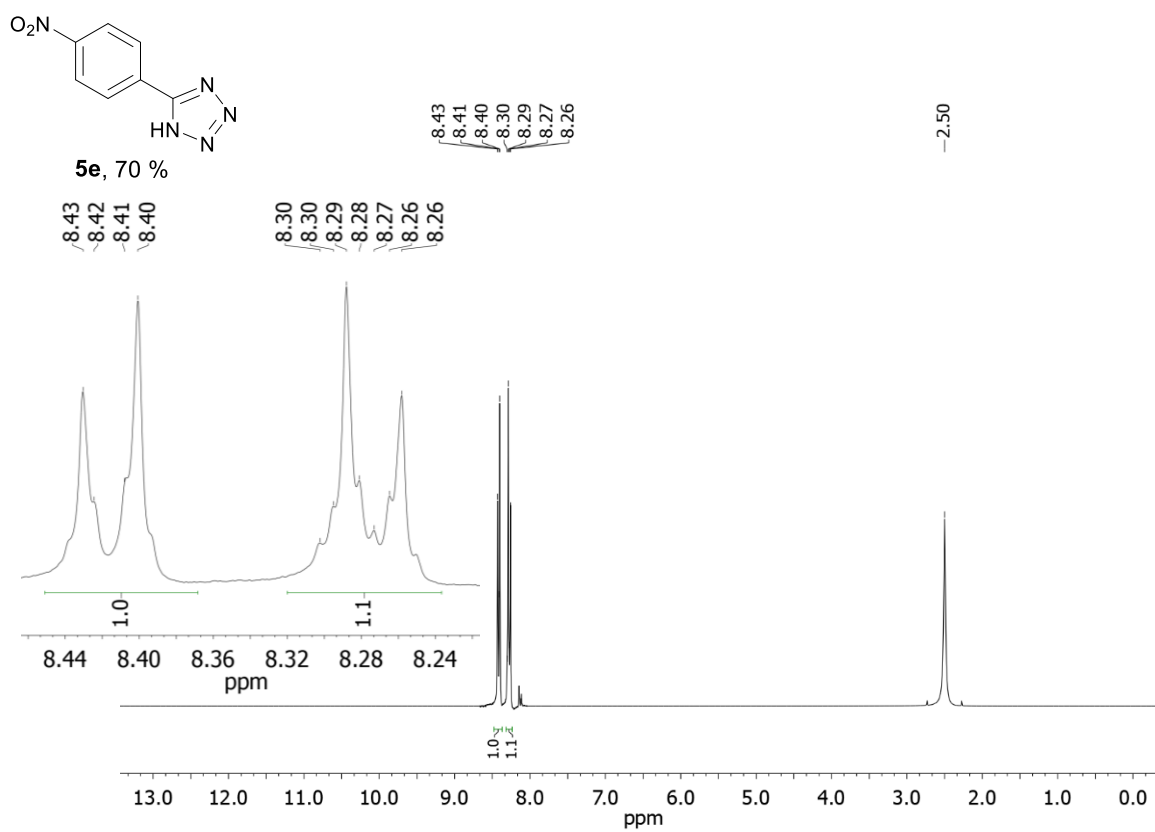


Figure S30. ¹H NMR spectrum (300 MHz, DMSO-*d*₆) of compound **5e**.⁶

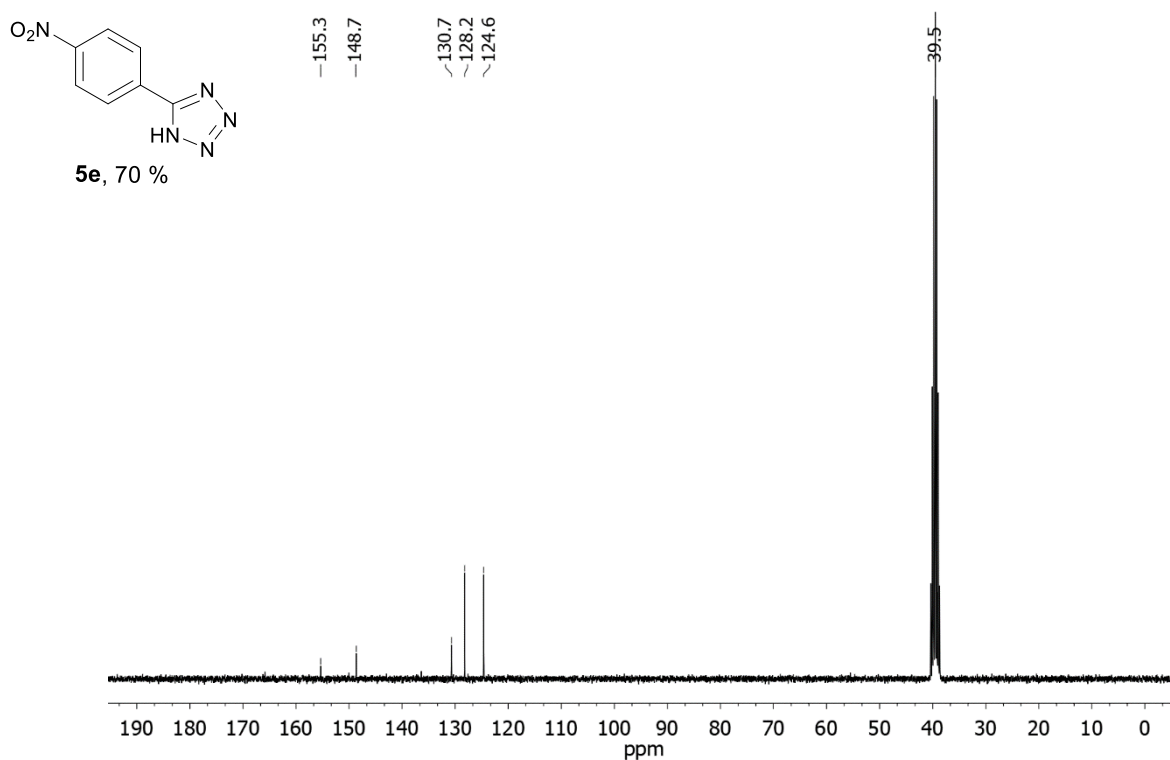


Figure S31. ¹³C NMR spectrum (75 MHz, DMSO-*d*₆) of compound **5e**.⁶

References

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