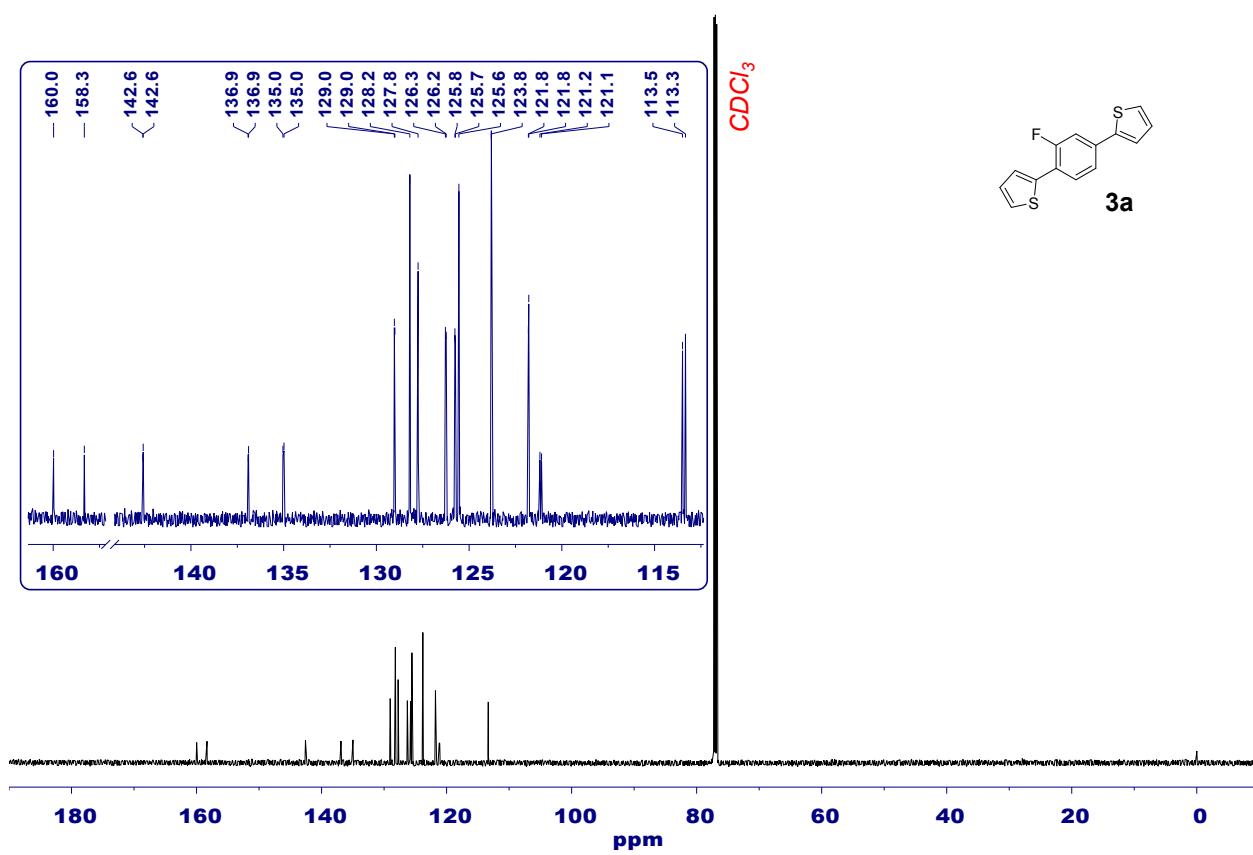
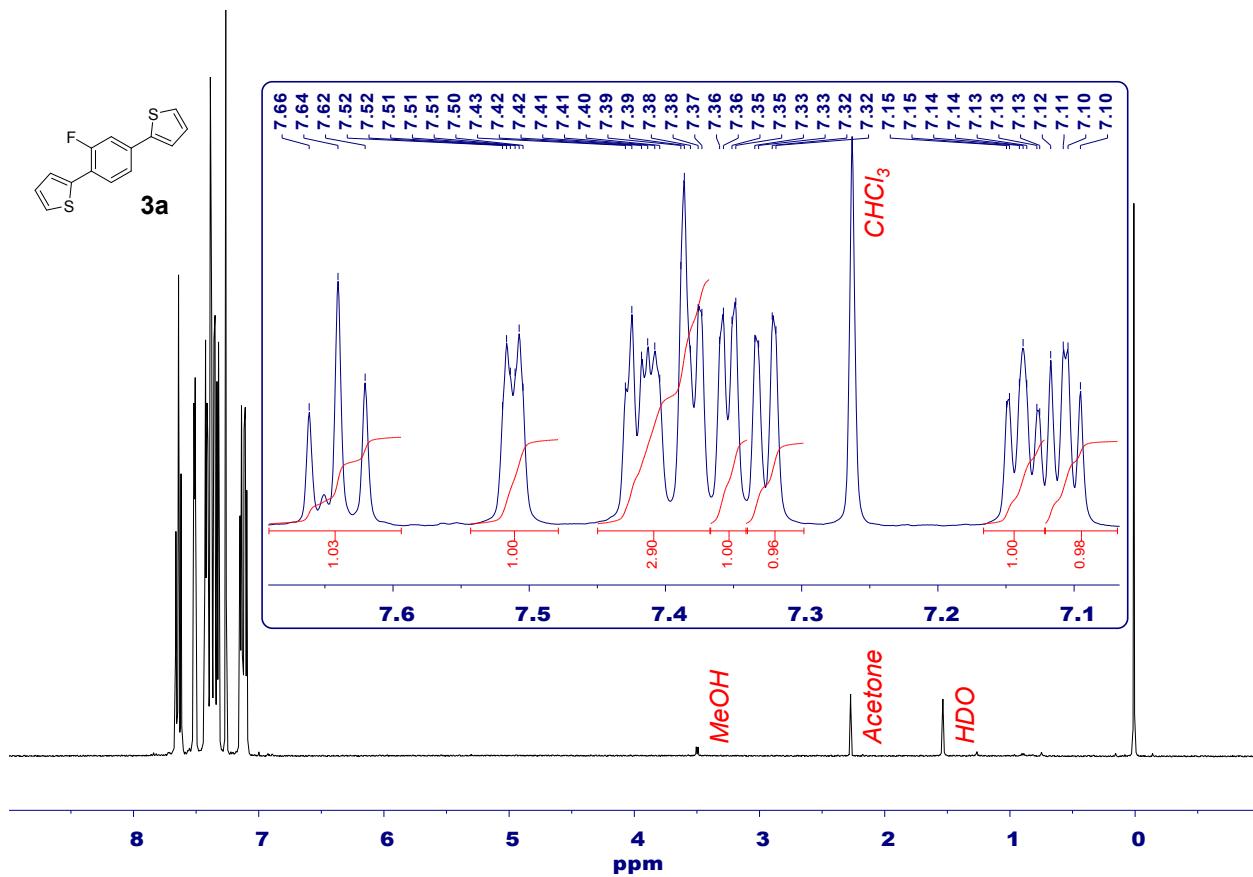


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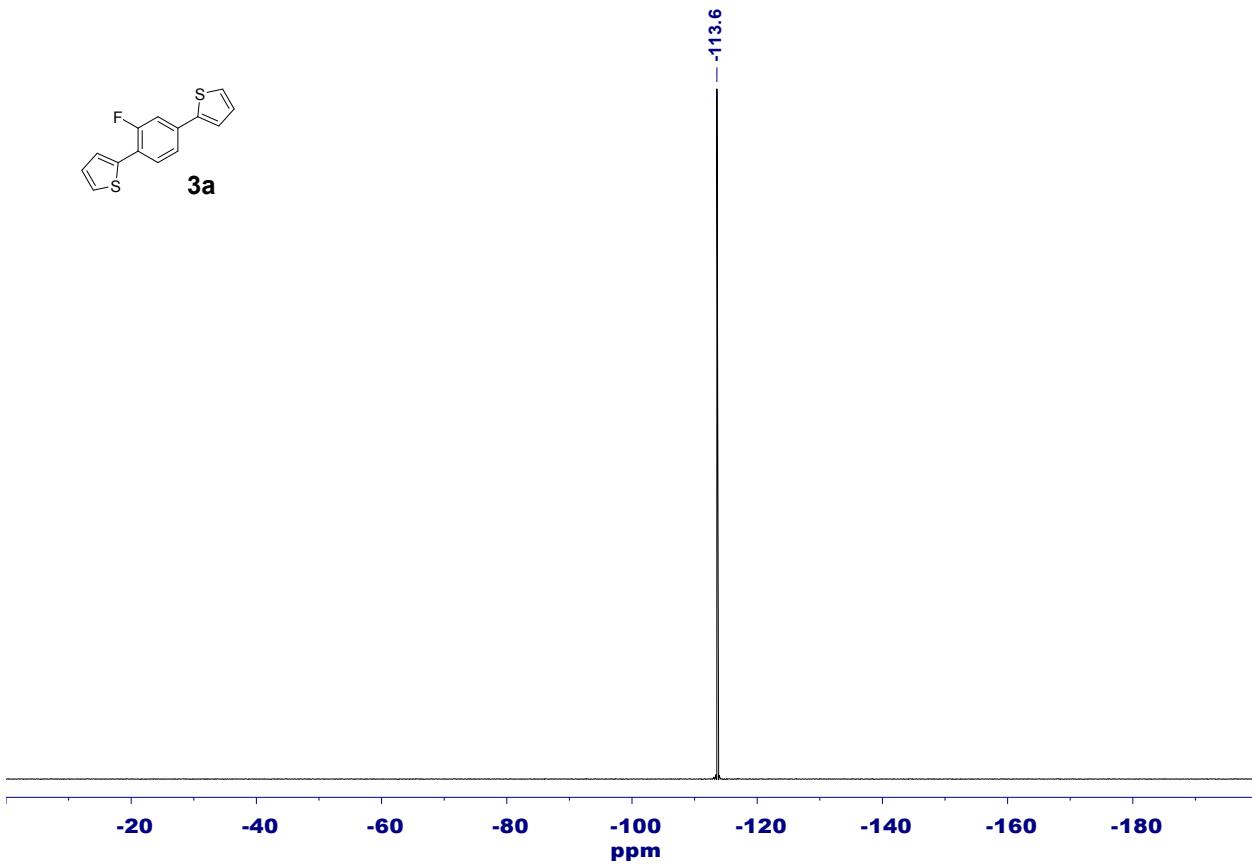


Figure S3. $^{19}\text{F}\{\text{H}\}$ NMR spectrum of 1,4-di(thien-2-yl)-2-fluorobenzene **3a** (CDCl_3 , 564 MHz, 298 K).

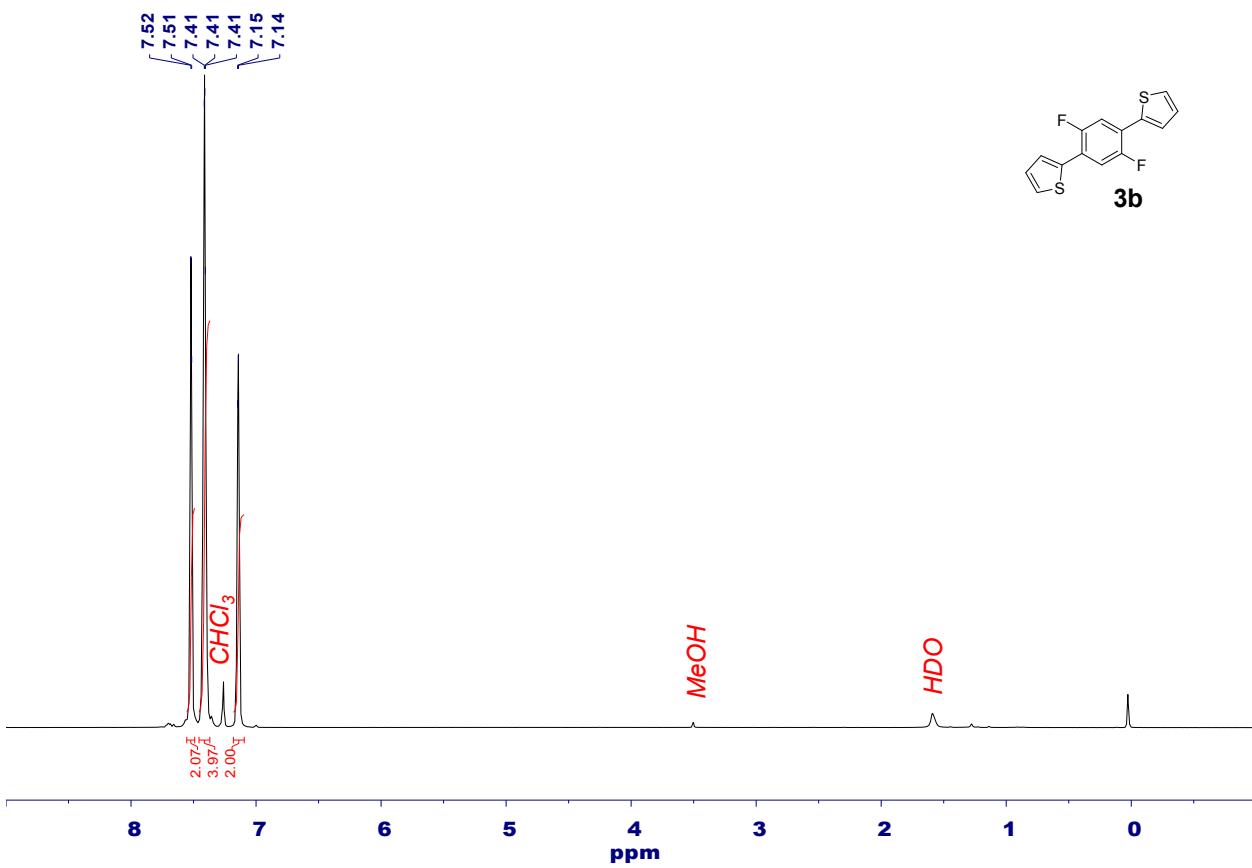


Figure S4. ^1H NMR spectrum of 1,4-di(thien-2-yl)-2,5-difluorobenzene **3b** (CDCl_3 , 400 MHz, 298 K).

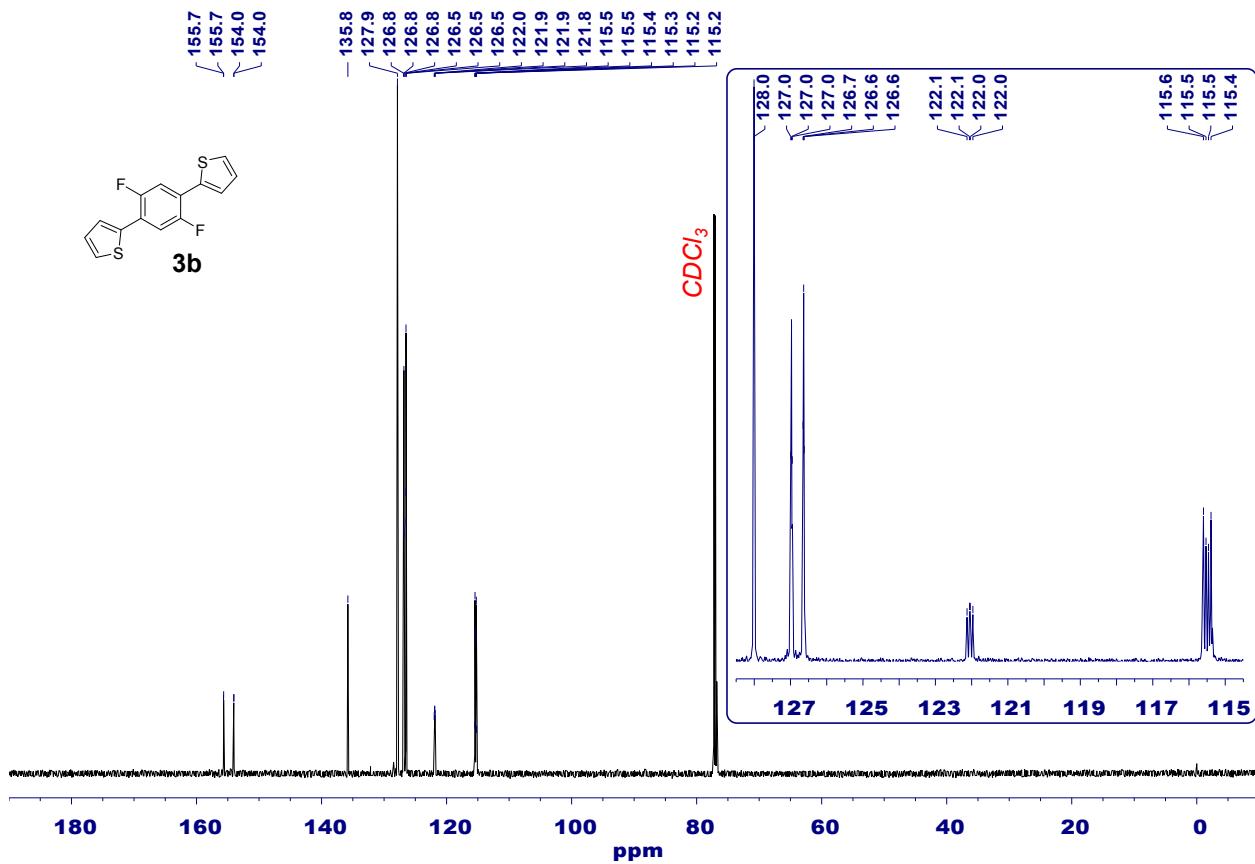


Figure S5. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of 1,4-di(thien-2-yl)-2,5-difluorobenzene **3b** (CDCl_3 , 150 MHz, 298 K).

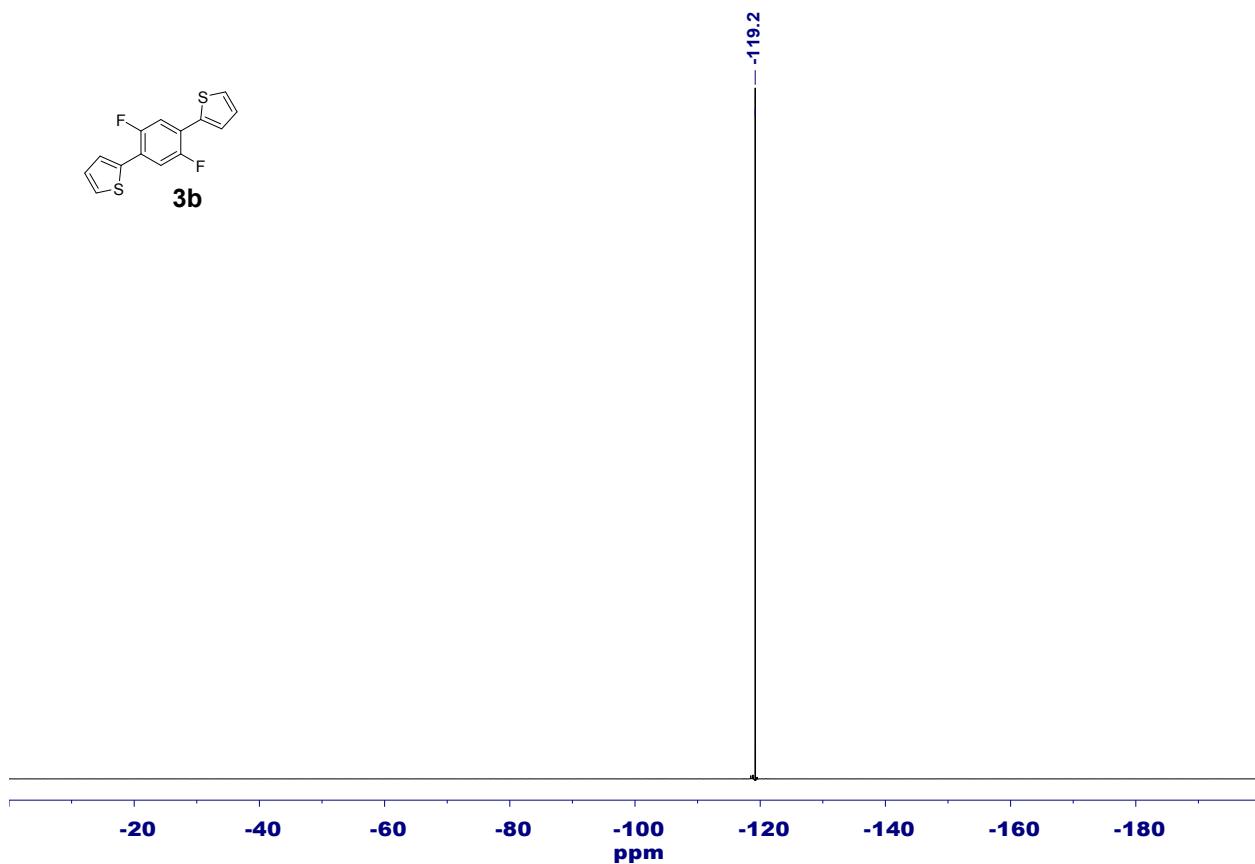


Figure S6. $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum of 1,4-di(thien-2-yl)-2,5-difluorobenzene **3b** (CDCl_3 , 376 MHz, 298 K).

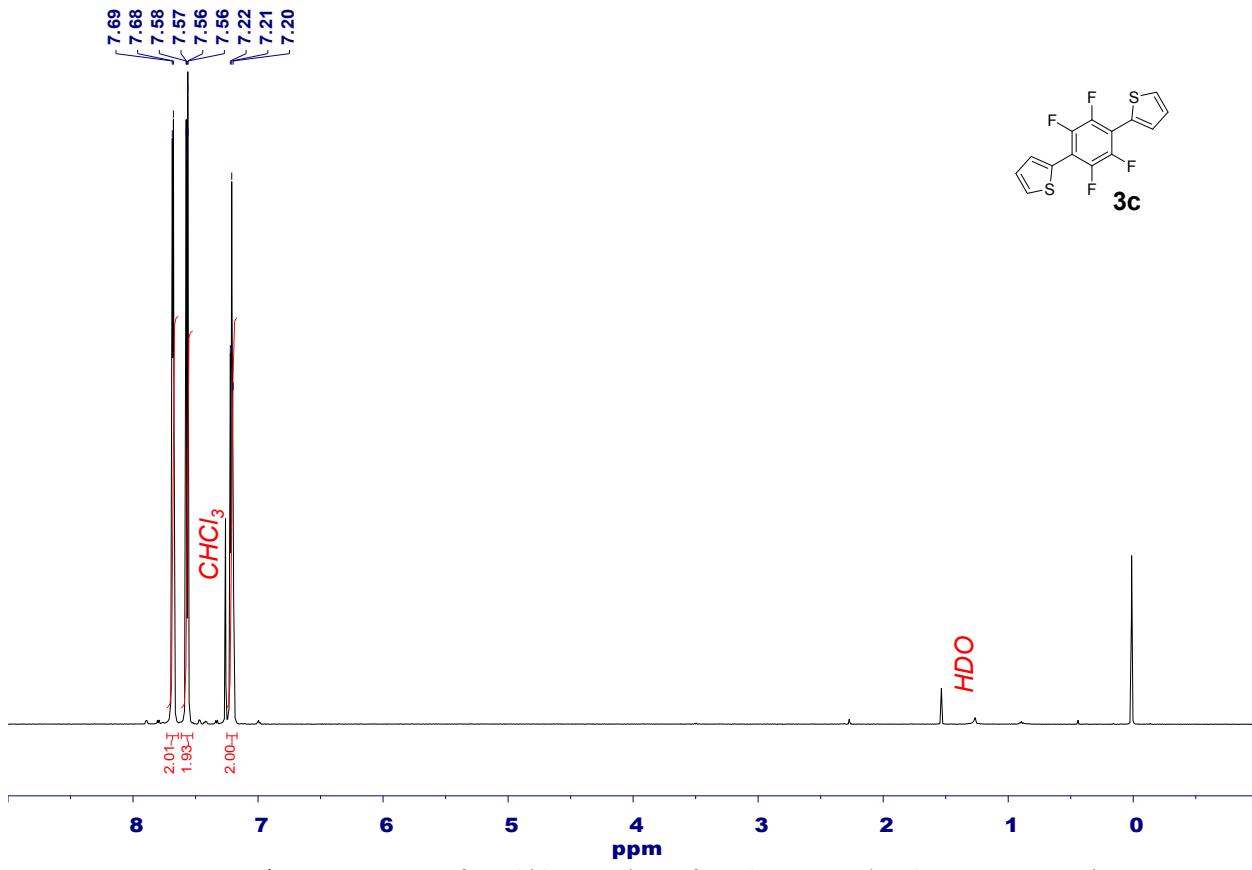


Figure S7. ^1H NMR spectrum of 1,4-di(thien-2-yl)-tetrafluorobenzene **3c** (CDCl_3 , 400 MHz, 298 K).

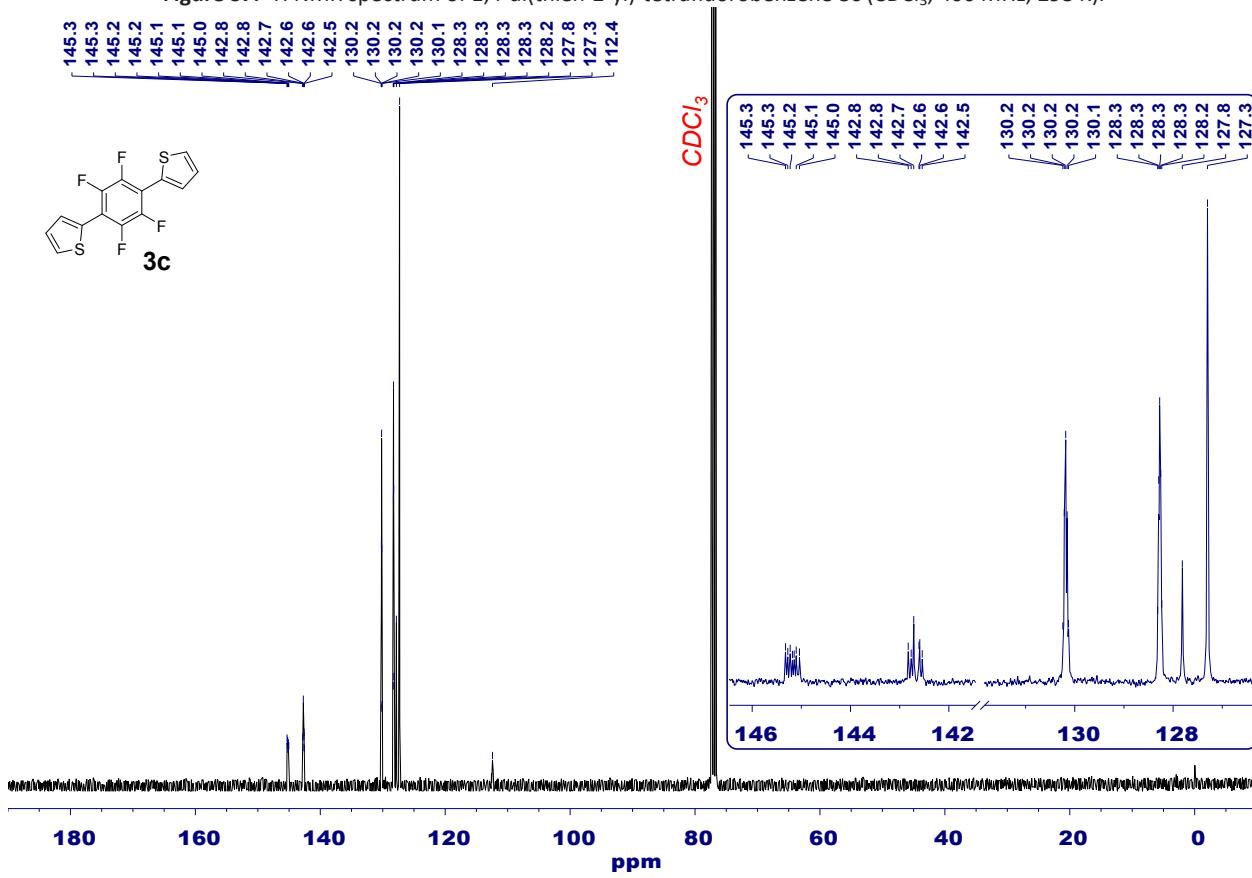


Figure S8. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of 1,4-di(thien-2-yl)-tetrafluorobenzene **3c** (CDCl_3 , 100 MHz, 298 K).

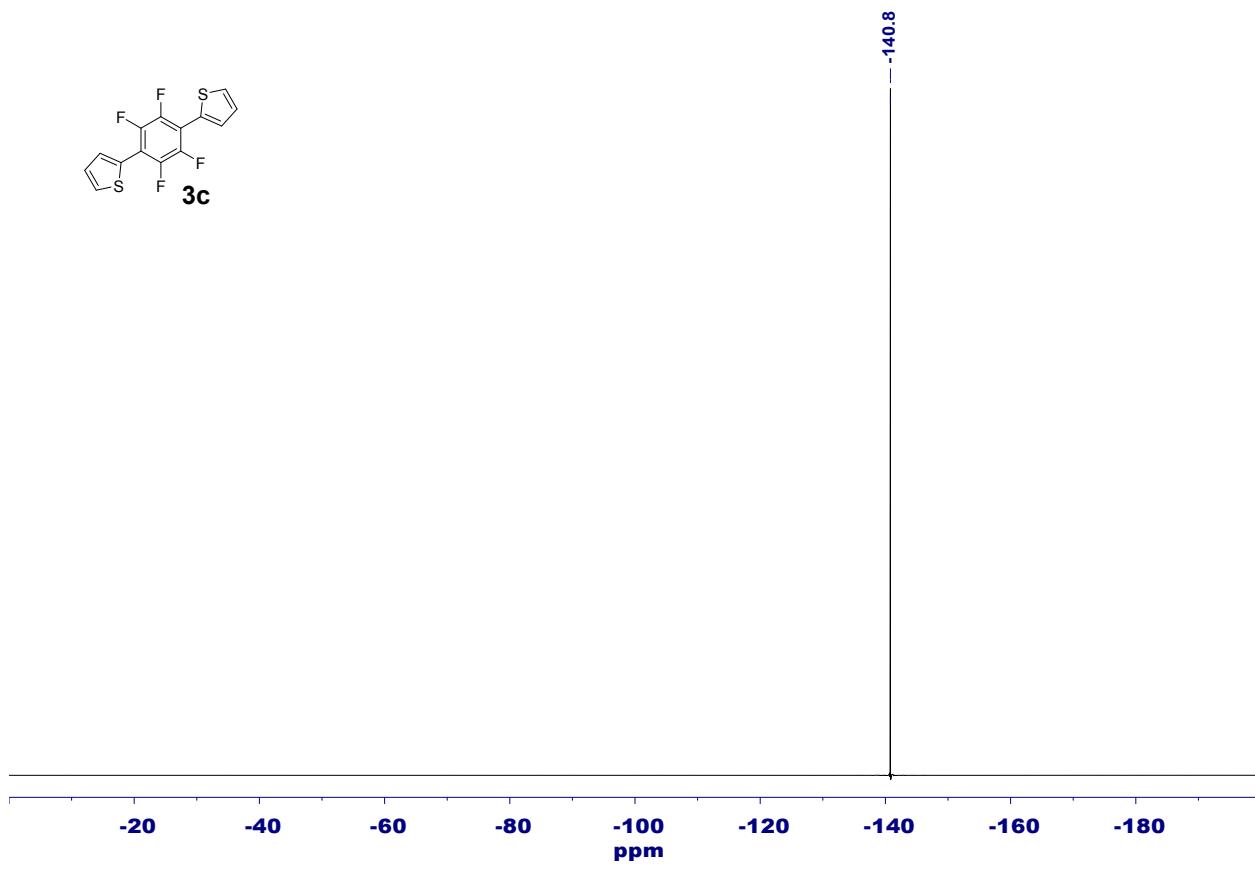


Figure S9. $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum of 1,4-di(thien-2-yl)-tetrafluorobenzene **3c** (CDCl_3 , 376 MHz, 298 K).

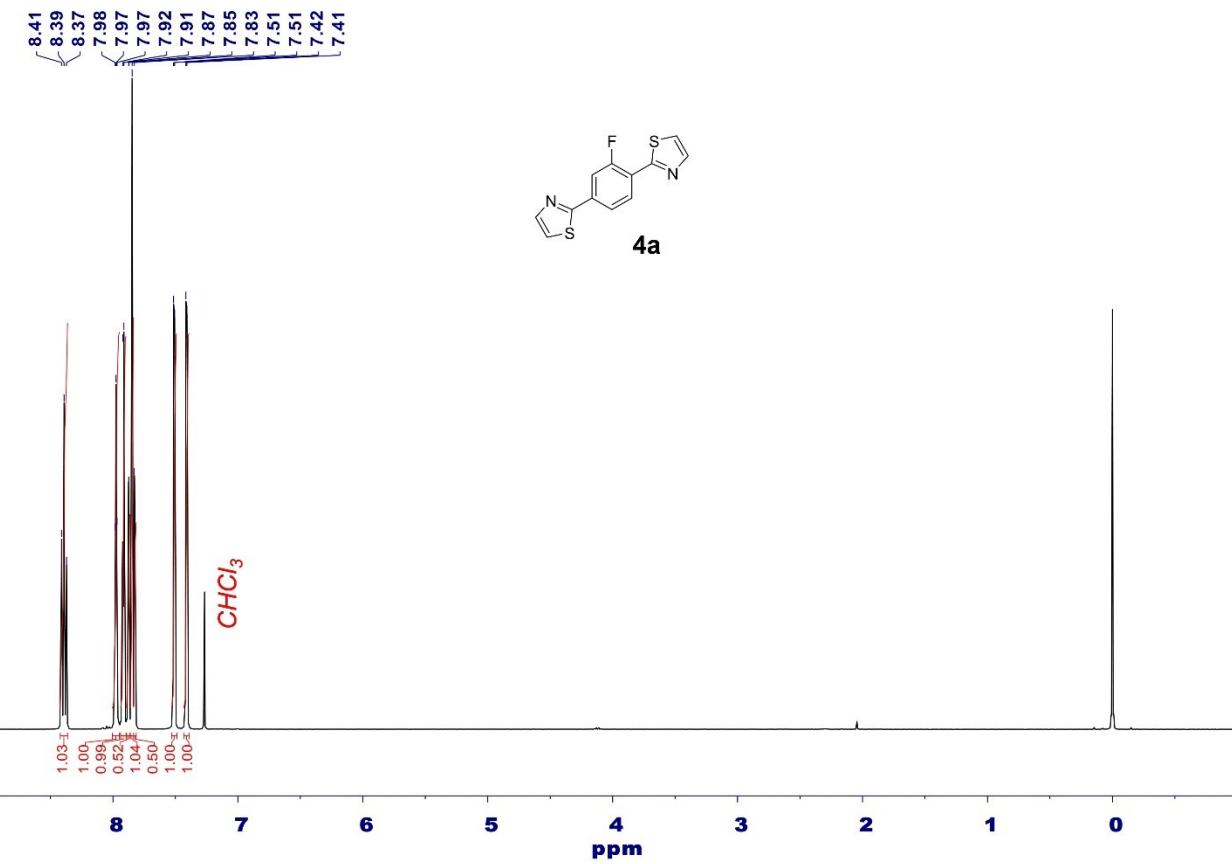


Figure S10. ^1H NMR spectrum of 1,4-di(thiazol-2-yl)-2-fluorobenzene **4a** (CDCl_3 , 600 MHz, 298 K).

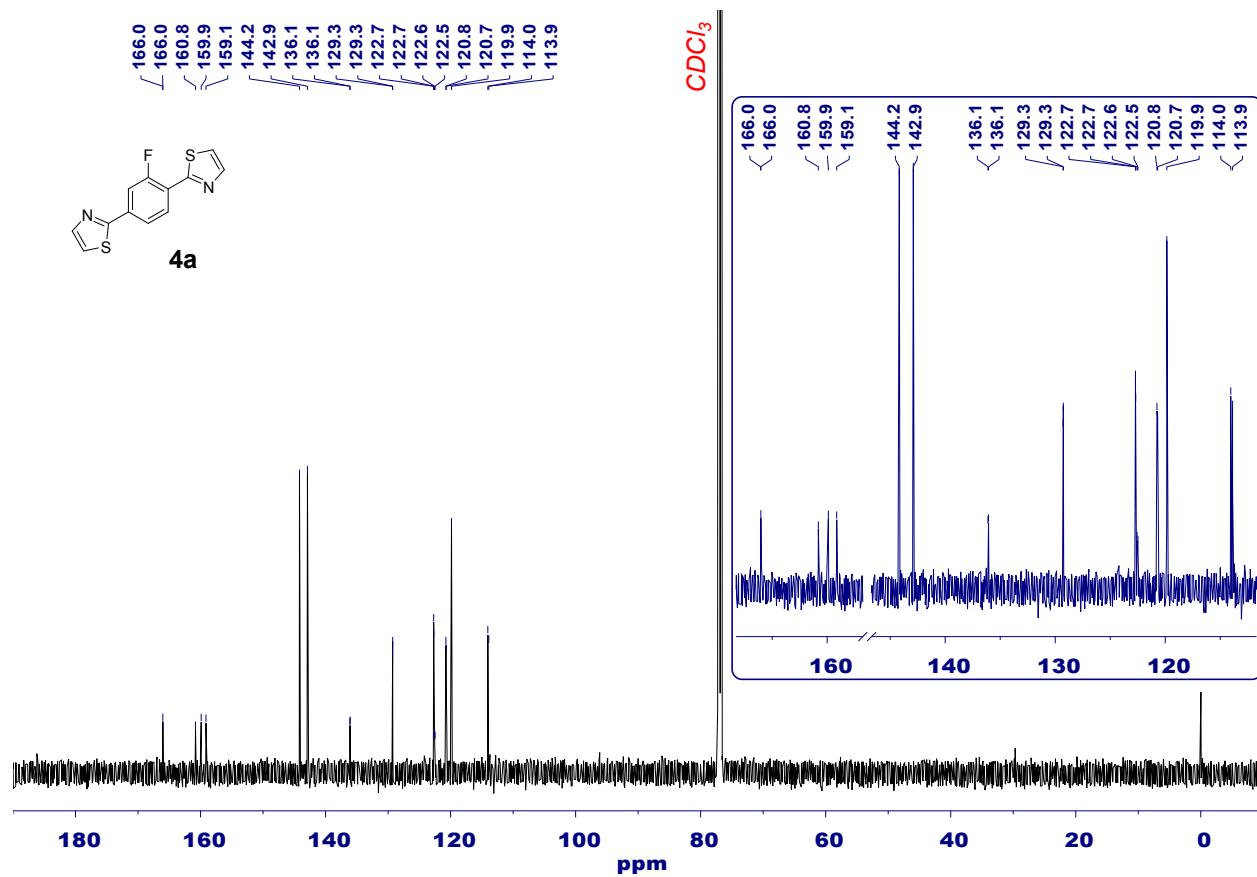


Figure S11. $^{13}\text{C}\{\text{H}\}$ NMR spectrum of 1,4-di(thiazol-2-yl)-2-fluorobenzene **4a** (CDCl_3 , 150 MHz, 298 K).

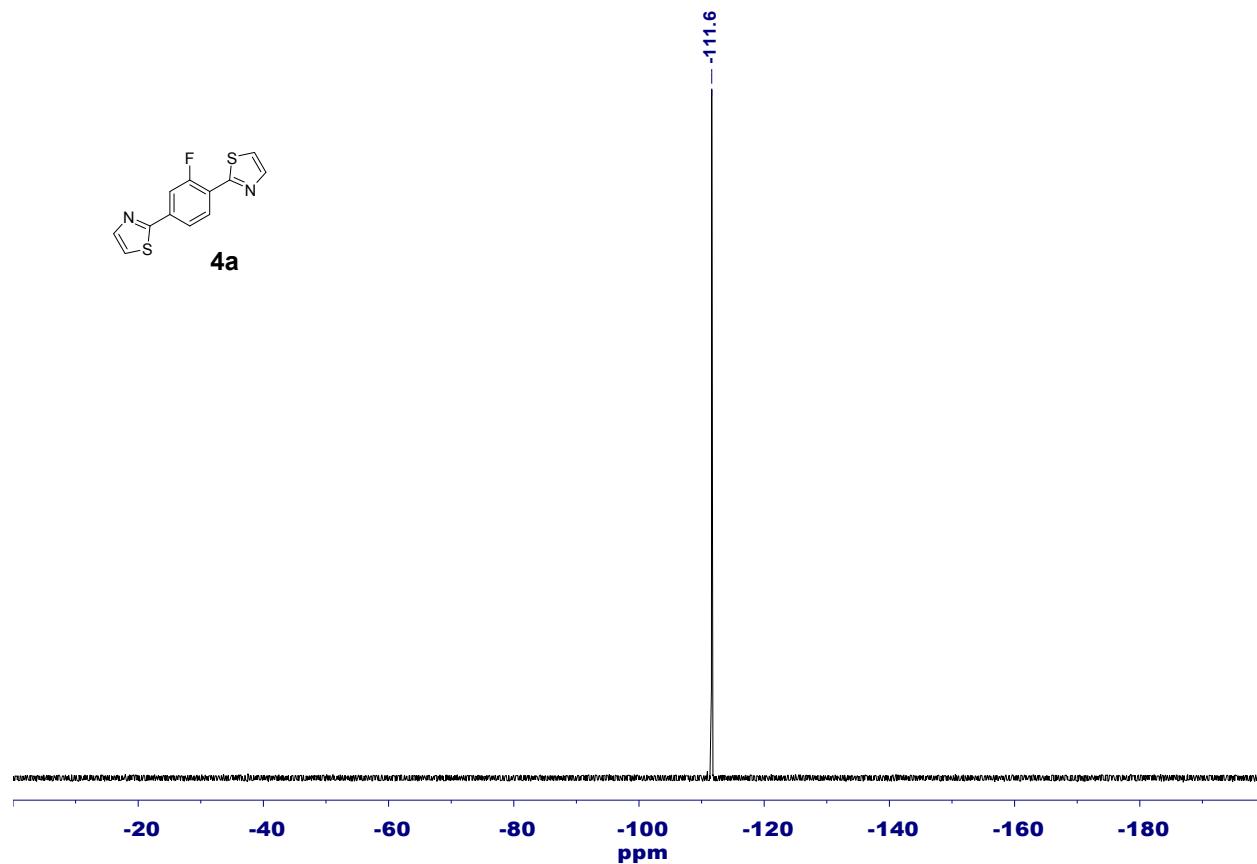
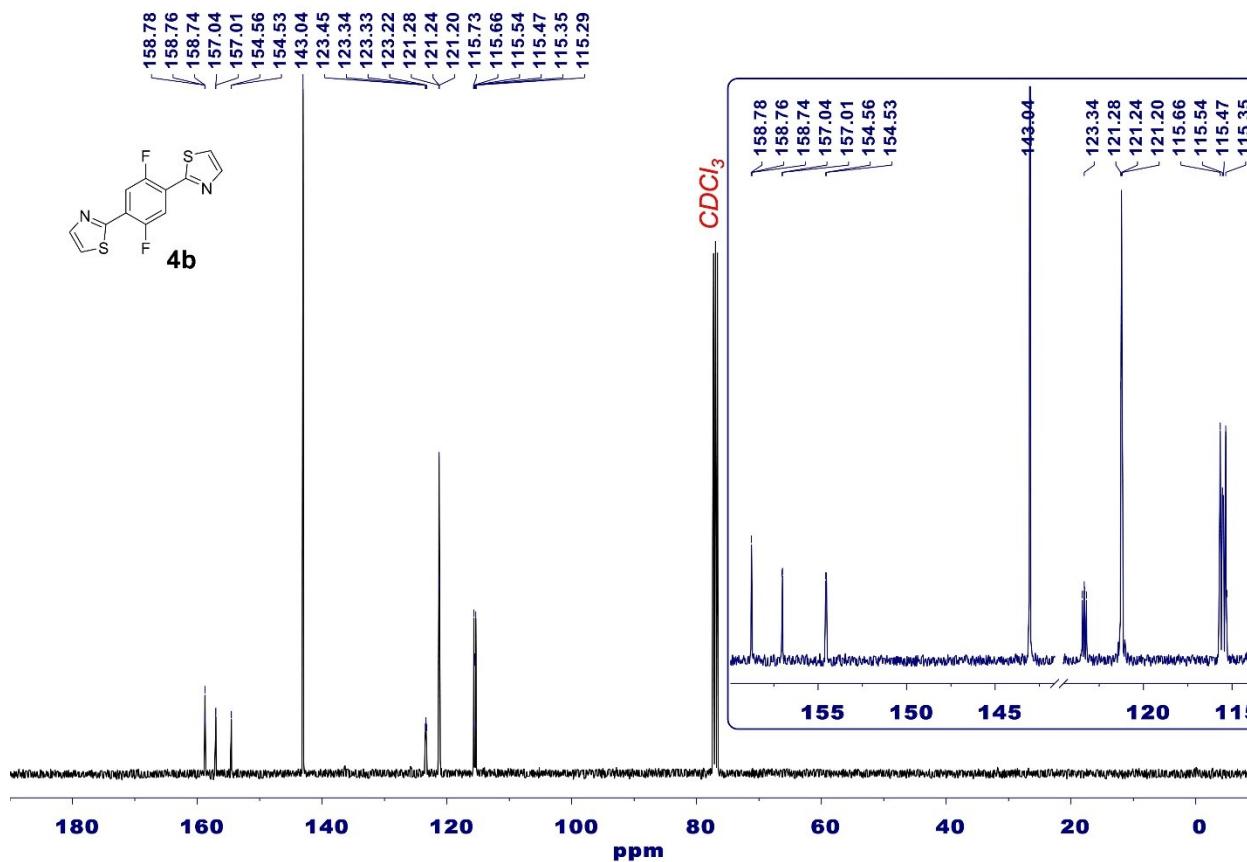
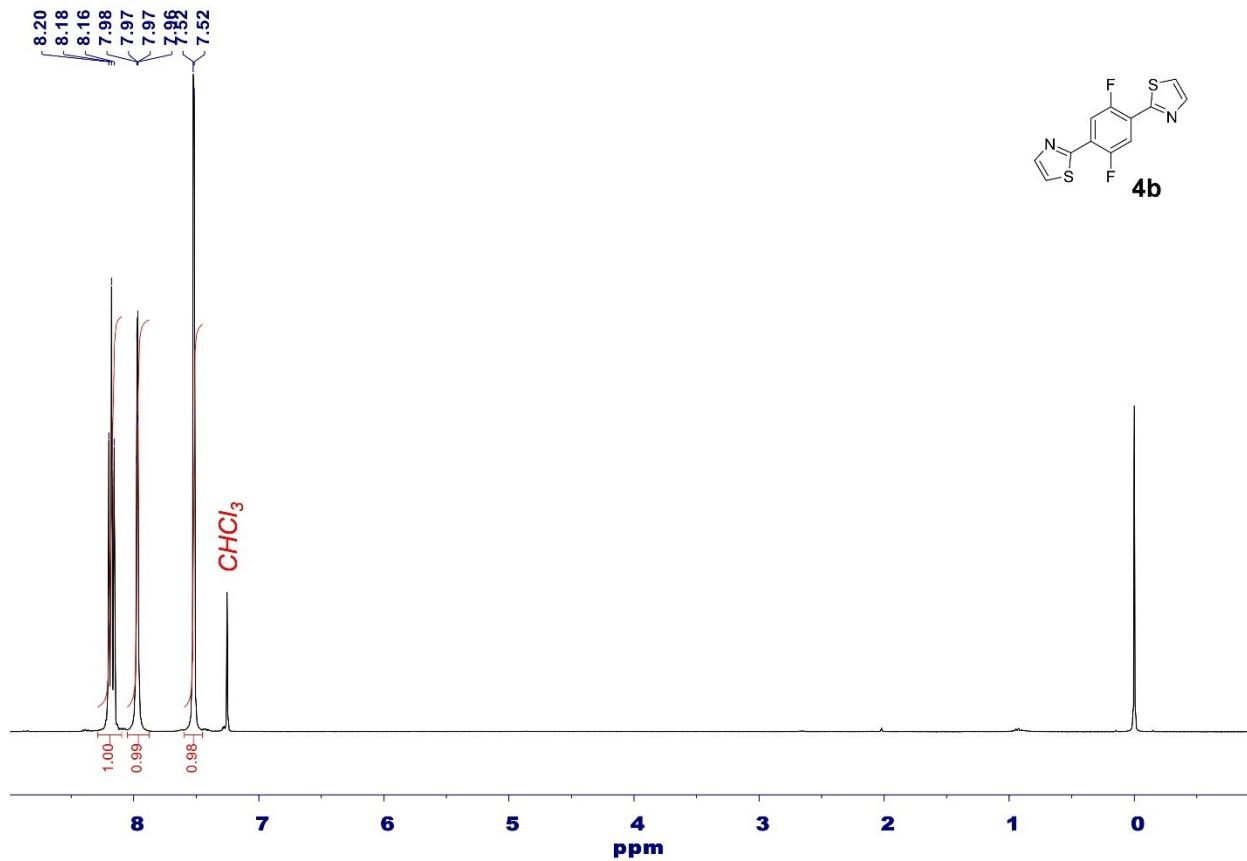


Figure S12. $^{19}\text{F}\{\text{H}\}$ NMR spectrum of 1,4-di(thiazol-2-yl)-2-fluorobenzene **4a** (CDCl_3 , 564 MHz, 298 K).



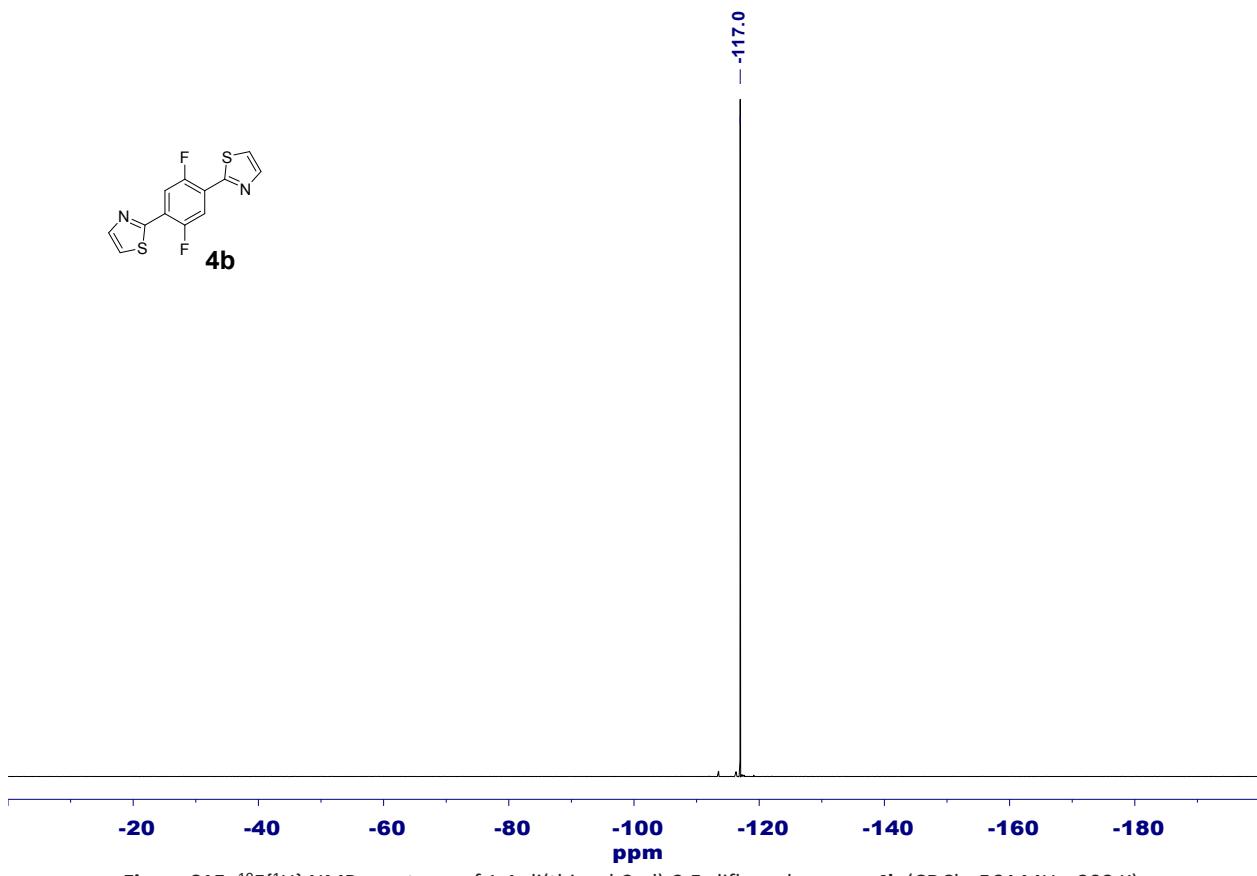
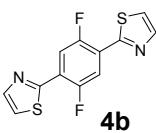


Figure S15. $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum of 1,4-di(thiazol-2-yl)-2,5-difluorobenzene **4b** (CDCl_3 , 564 MHz, 298 K).

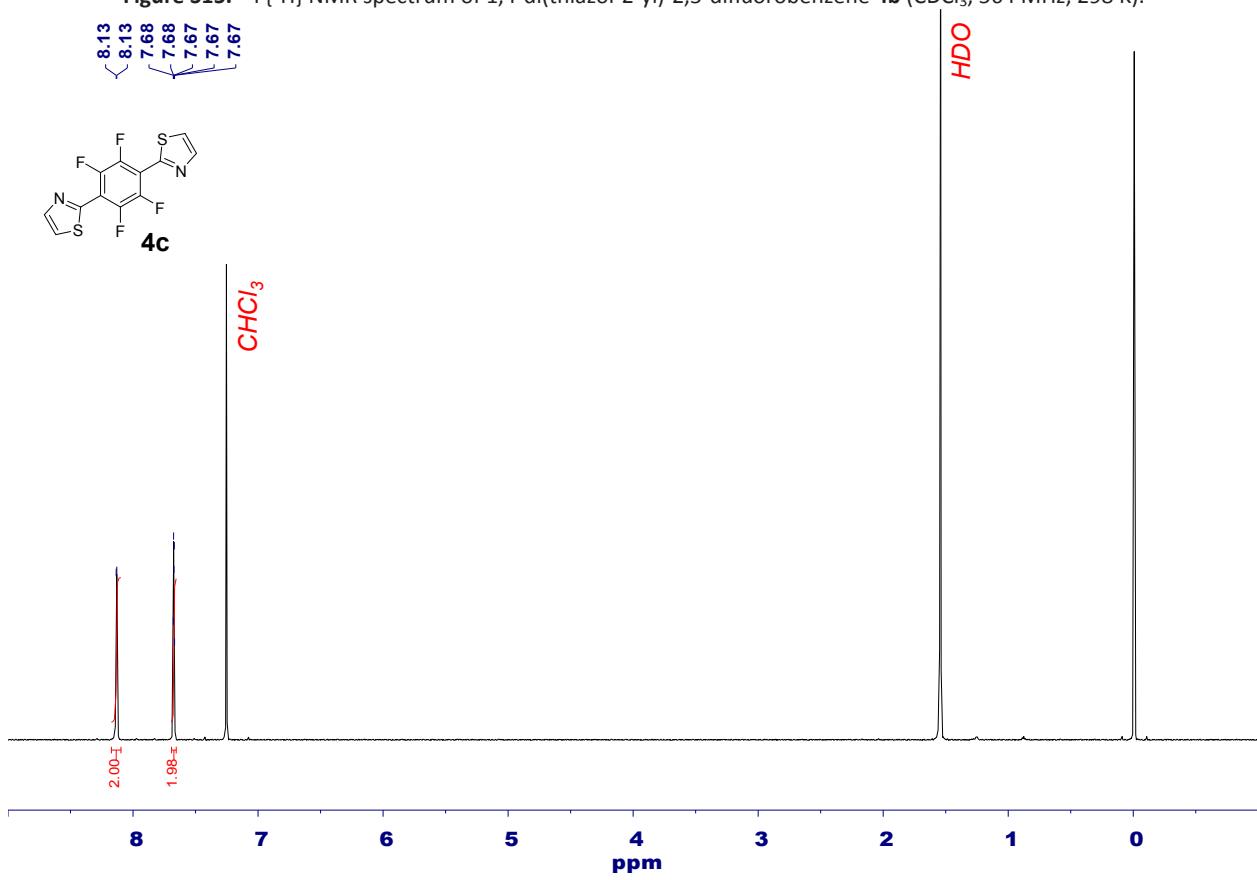
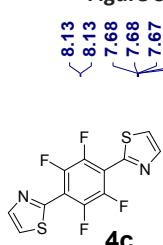


Figure S16. ^1H NMR spectrum of 1,4-di(thiazol-2-yl)-tetrafluorobenzene **4c** (CDCl_3 , 600 MHz, 298 K).

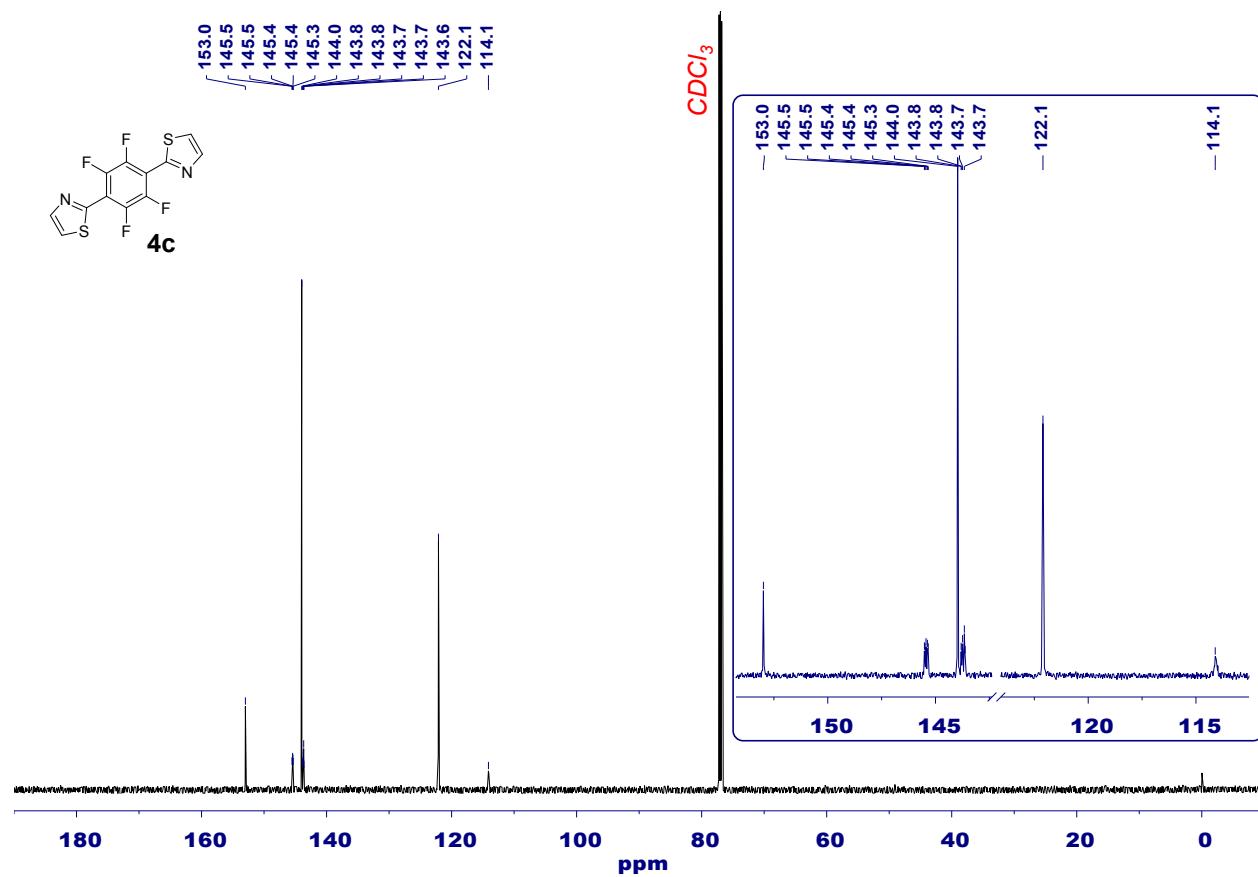


Figure S17. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of 1,4-di(thiazol-2-yl)-tetrafluorobenzene **4c** (CDCl_3 , 150 MHz, 298 K).

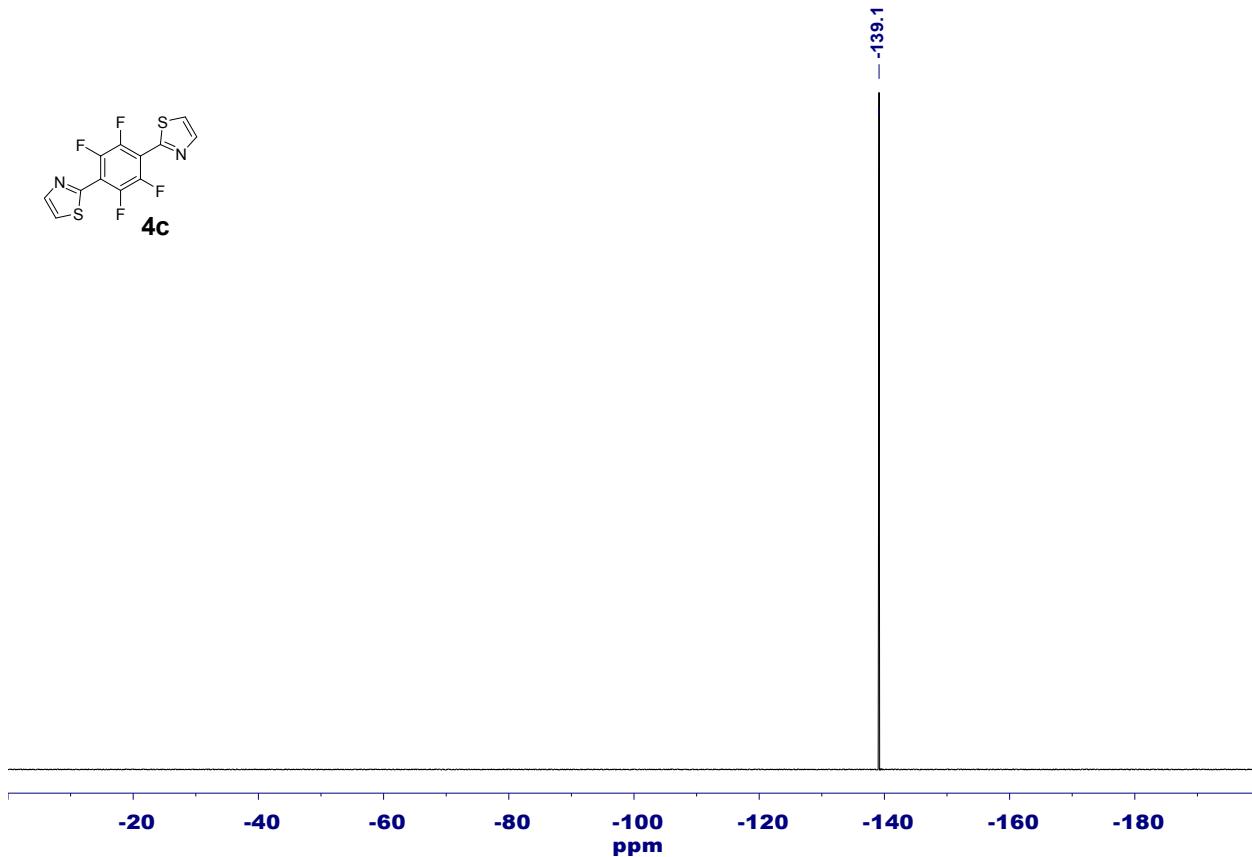


Figure S18. $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum of 1,4-di(thiazol-2-yl)-tetrafluorobenzene **4c** (CDCl_3 , 564 MHz, 298 K).

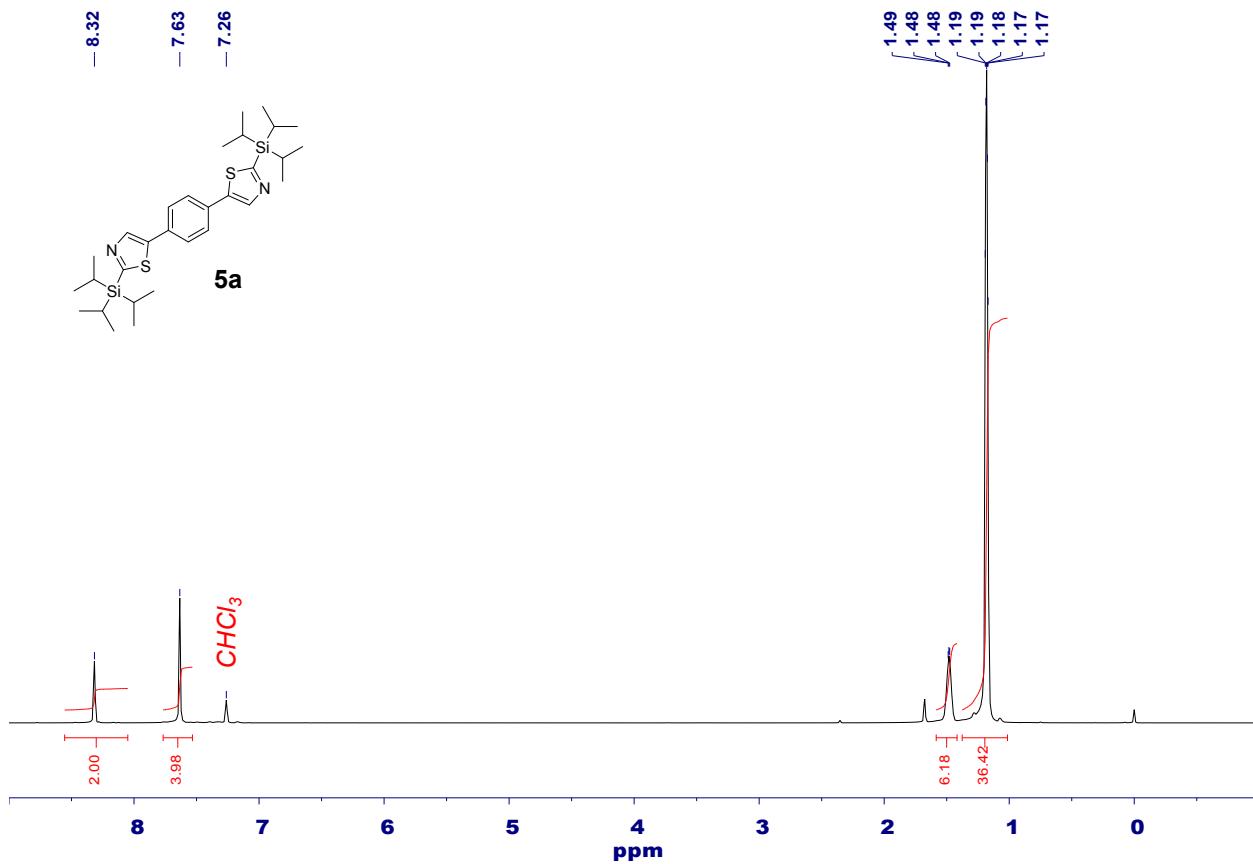


Figure S19. ^1H NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)benzene **5a** (CDCl₃, 400 MHz, 298 K).

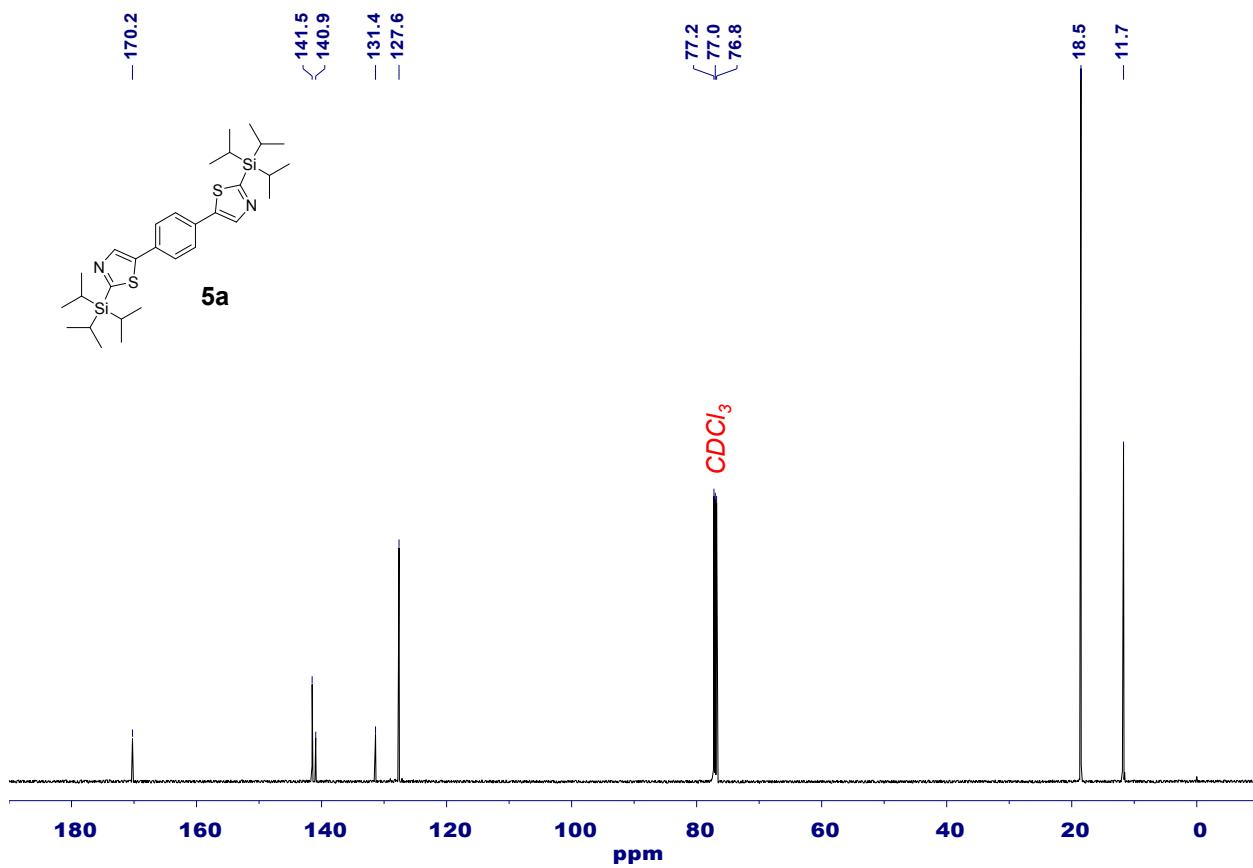


Figure S20. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)benzene **5a** (CDCl₃, 100 MHz, 298 K).

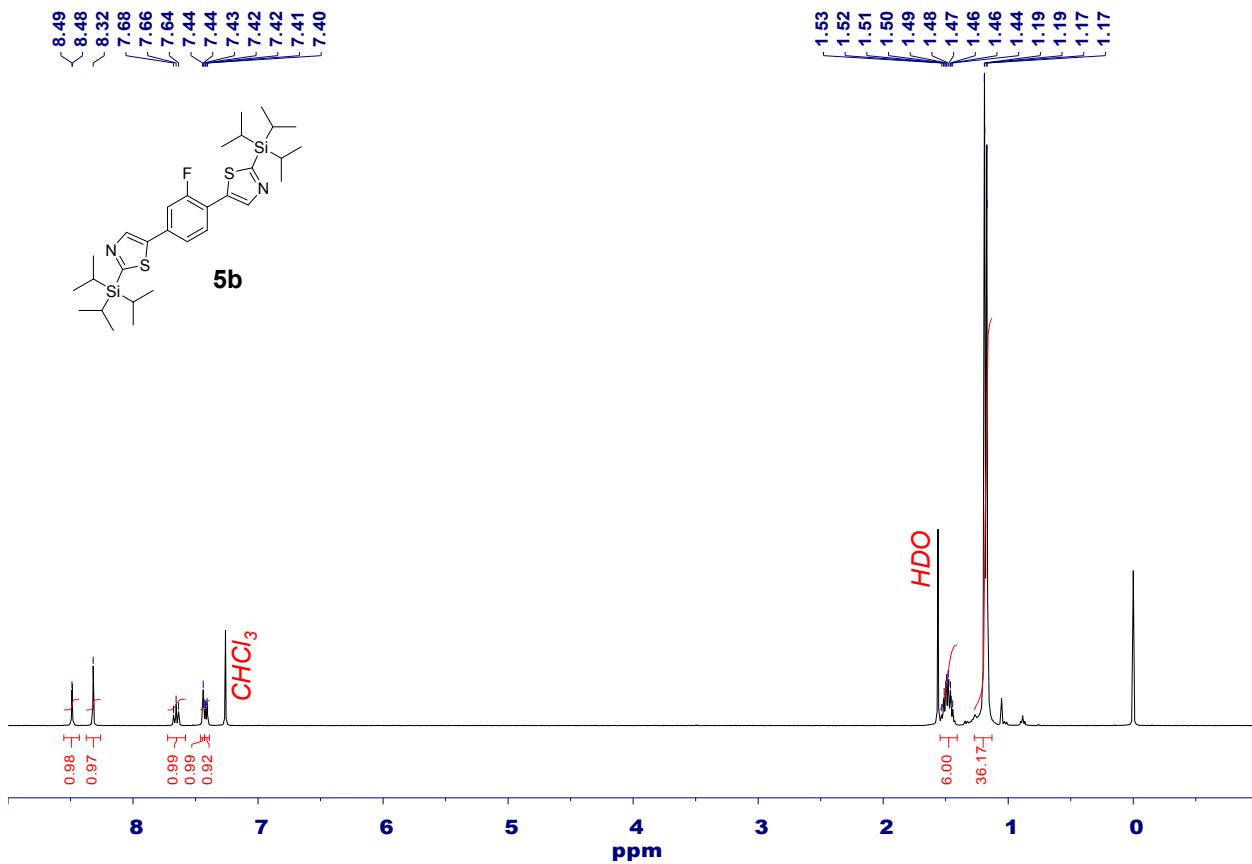


Figure S21. ^1H NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)-2-fluorobenzene **5b** (CDCl_3 , 400 MHz, 298 K).

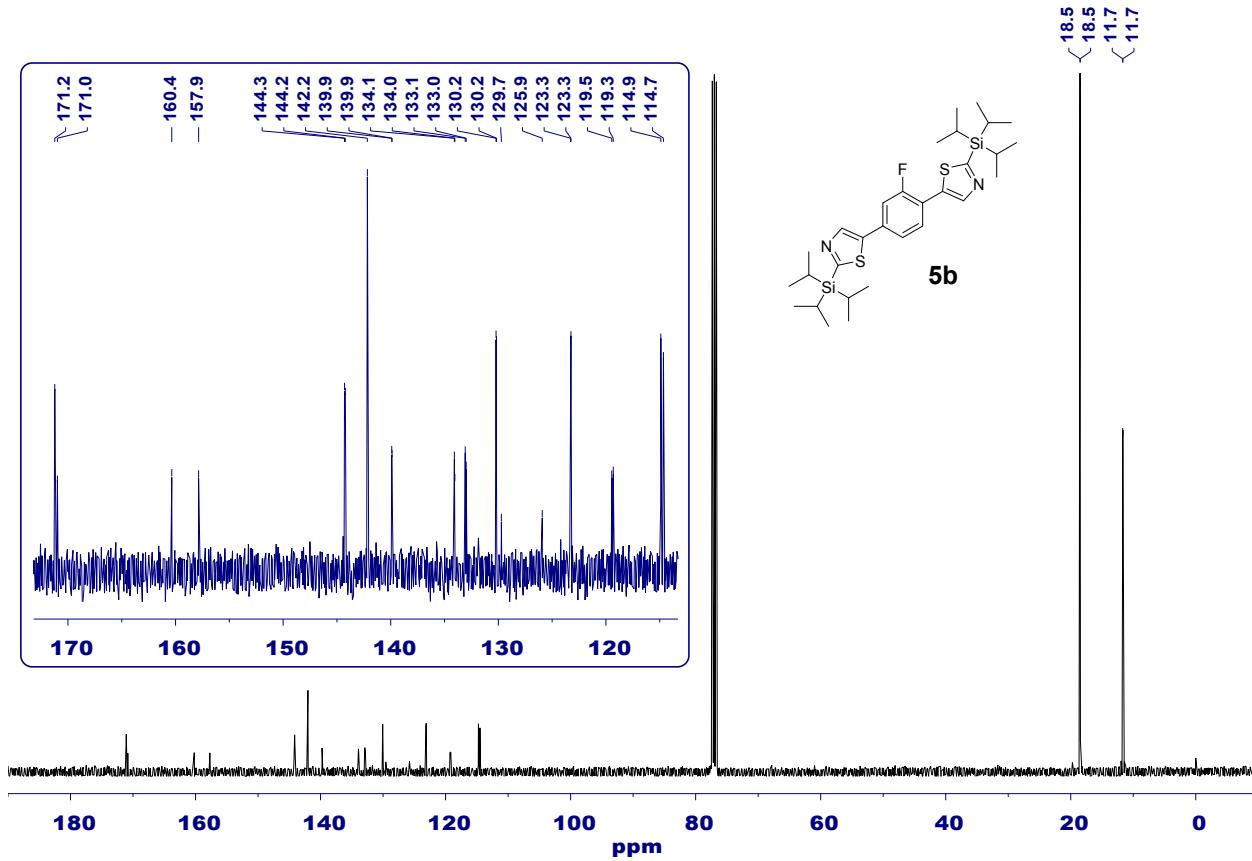


Figure S22. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)-2-fluorobenzene **5b** (CDCl_3 , 150 MHz, 298 K).

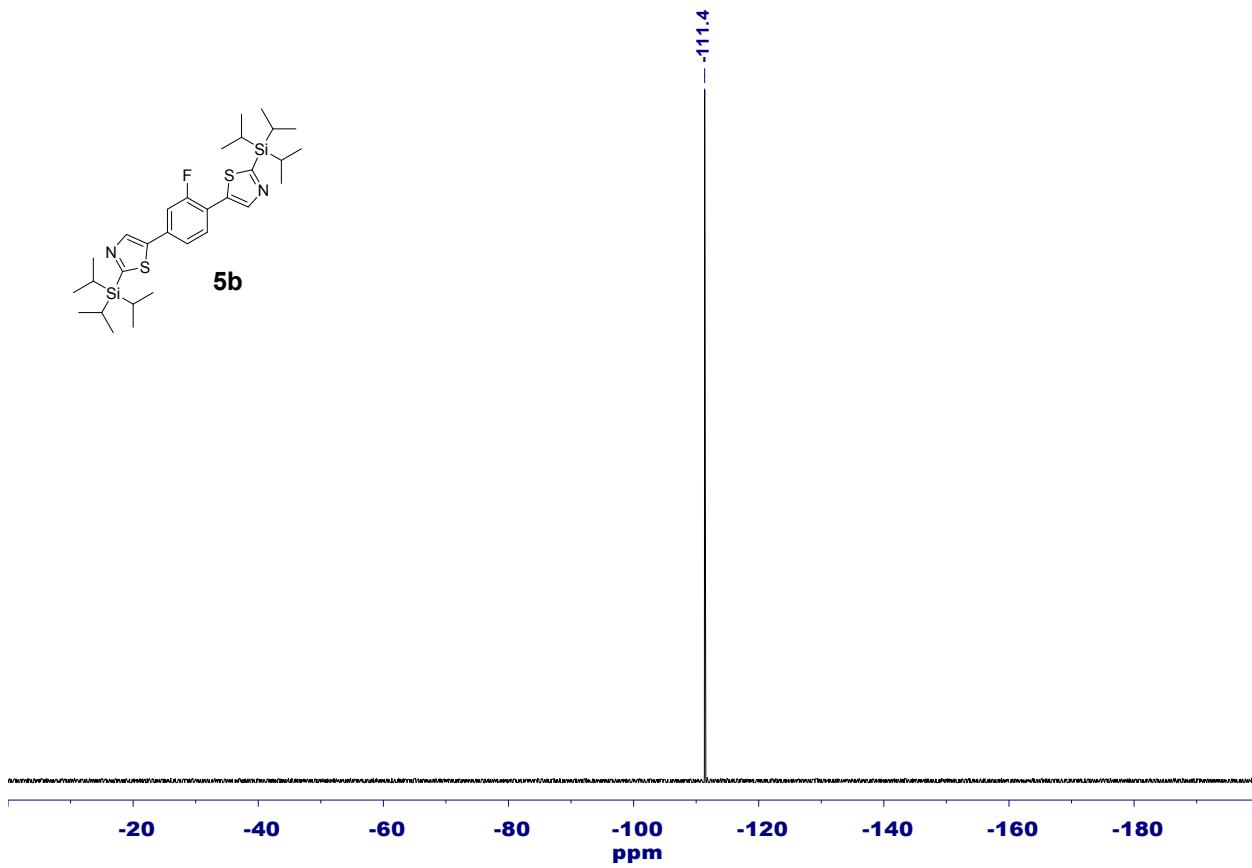


Figure S23. $^{19}\text{F}\{\text{H}\}$ NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)-2-fluorobenzene **5b** (CDCl_3 , 376 MHz, 298 K).

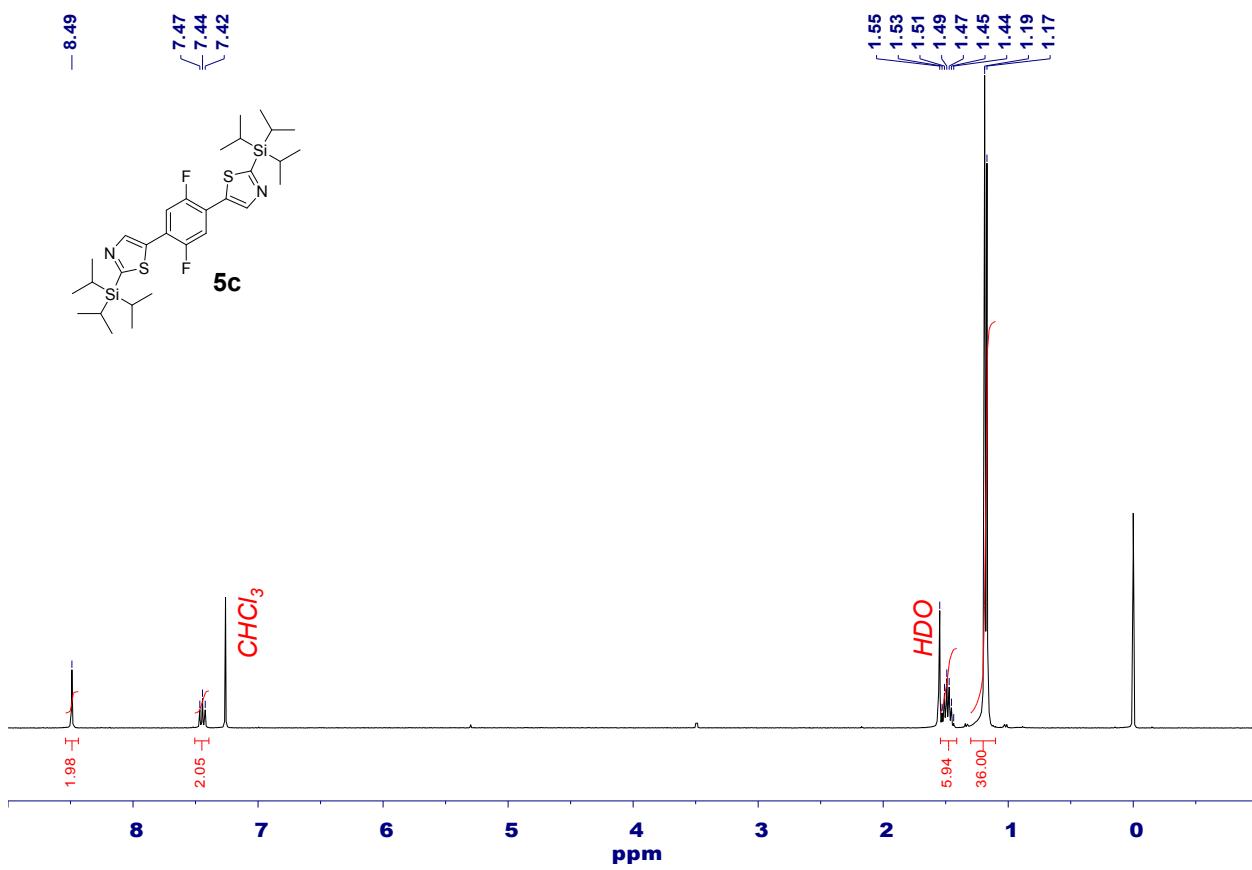


Figure S24. ^1H NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)-2,5-difluorobenzene **5c** (CDCl_3 , 400 MHz, 298 K).

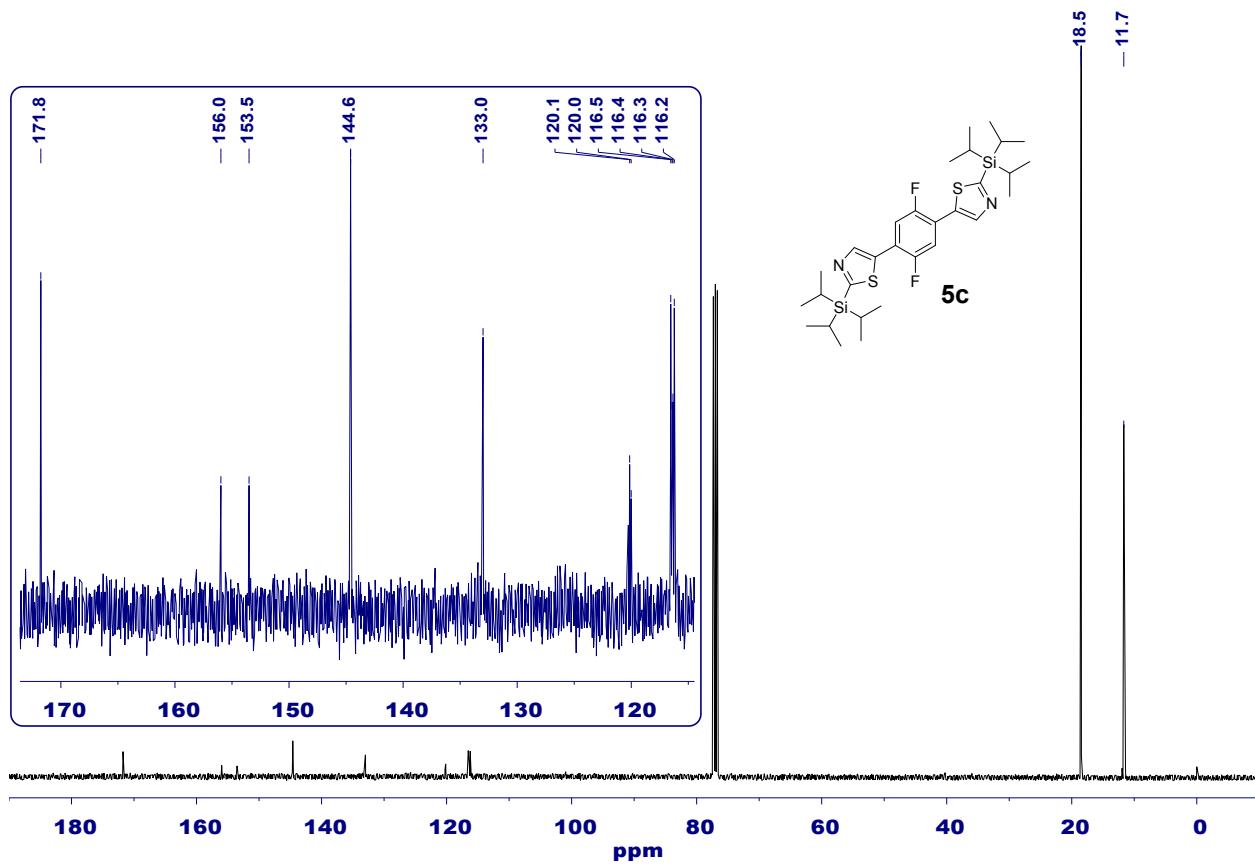


Figure S25. $^{13}\text{C}\{\text{H}\}$ NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)-2,5-difluorobenzene **5c** (CDCl_3 , 150 MHz, 298 K).

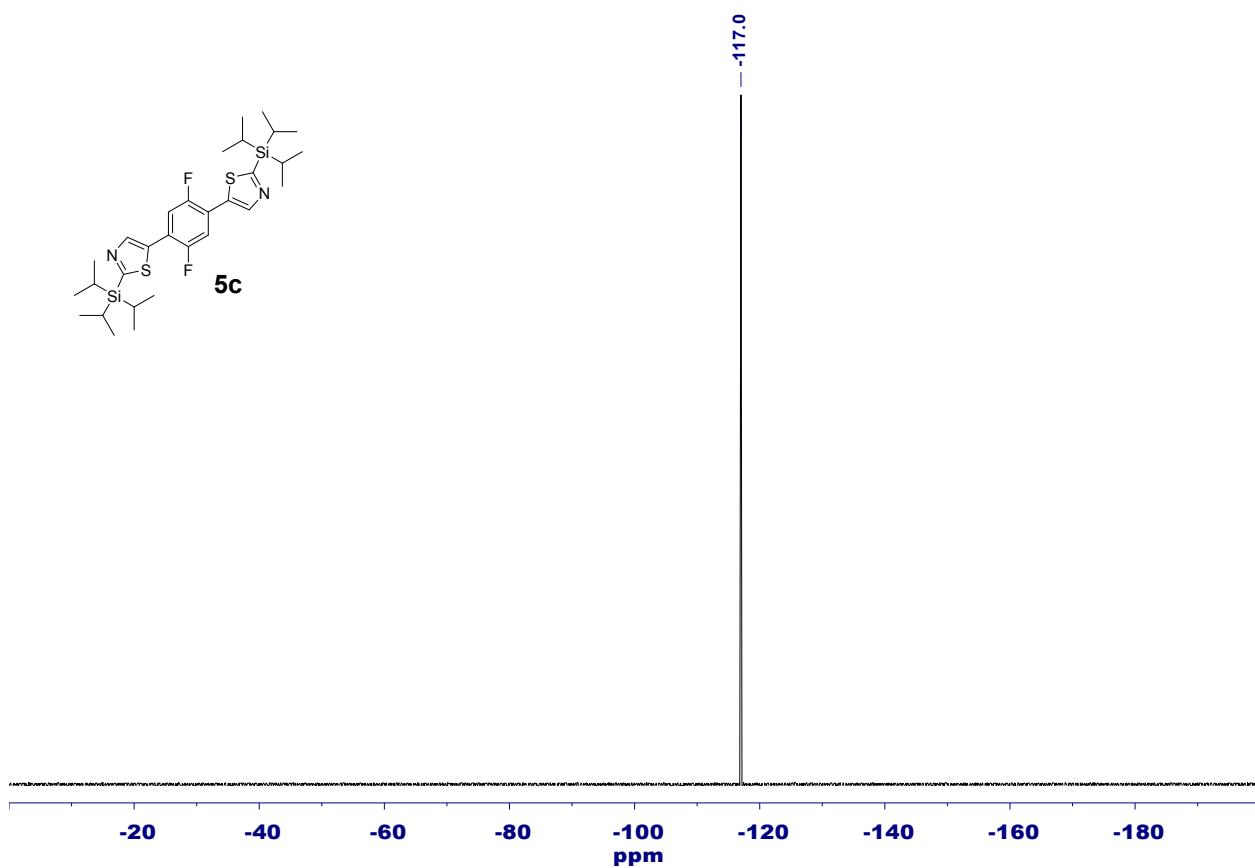


Figure S26. $^{19}\text{F}\{\text{H}\}$ NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)-2,5-difluorobenzene **5c** (CDCl_3 , 376 MHz, 298 K).

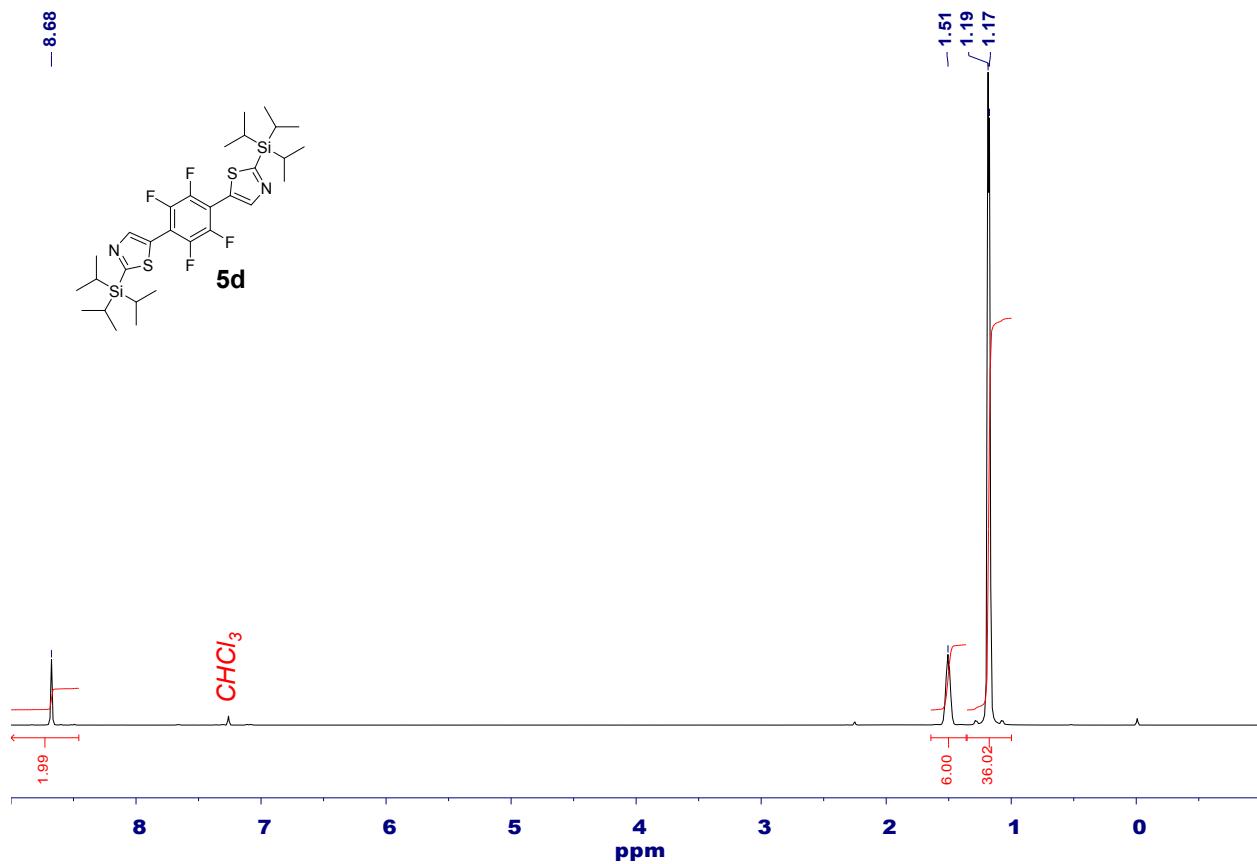


Figure S27. ^1H NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)-tetrafluorobenzene **5d** (CDCl_3 , 600 MHz, 298 K).

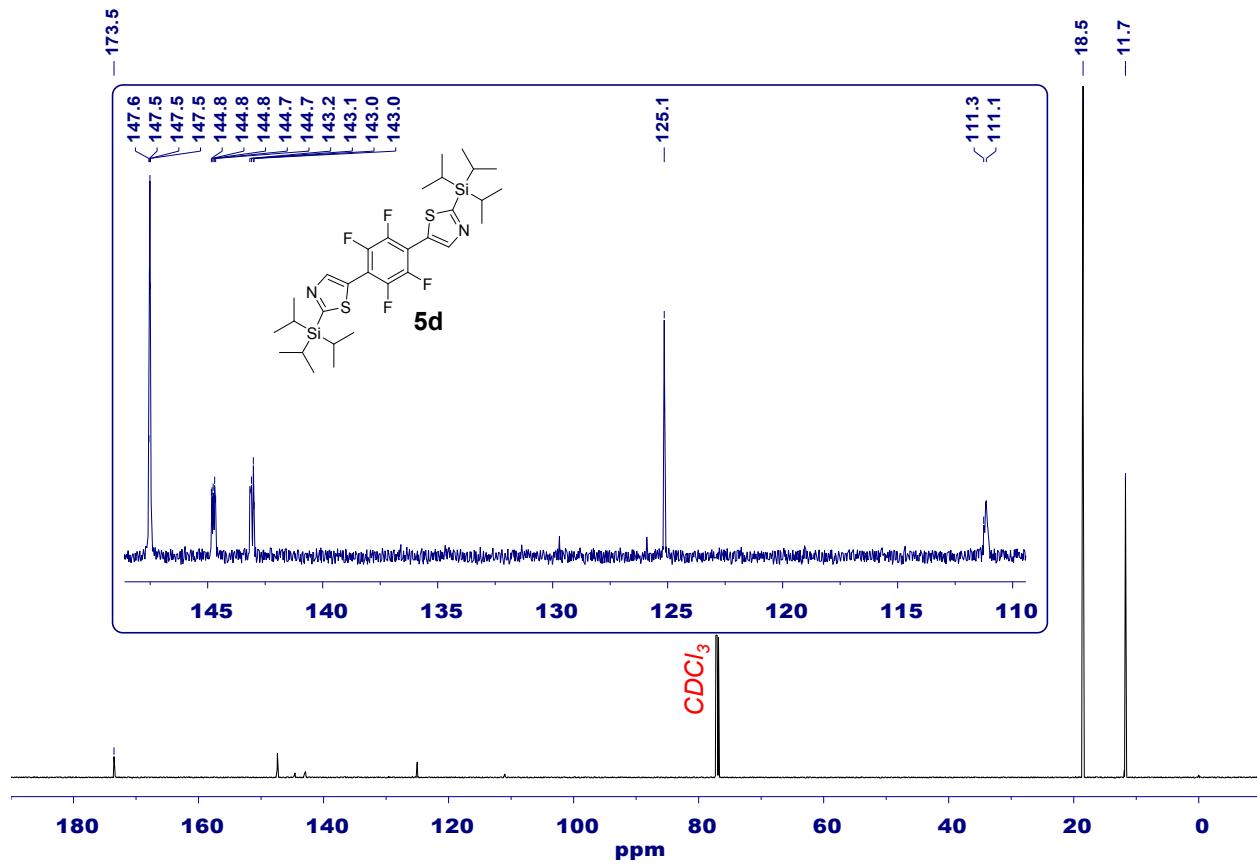


Figure S28. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)-tetrafluorobenzene **5d** (CDCl_3 , 150 MHz, 298 K).

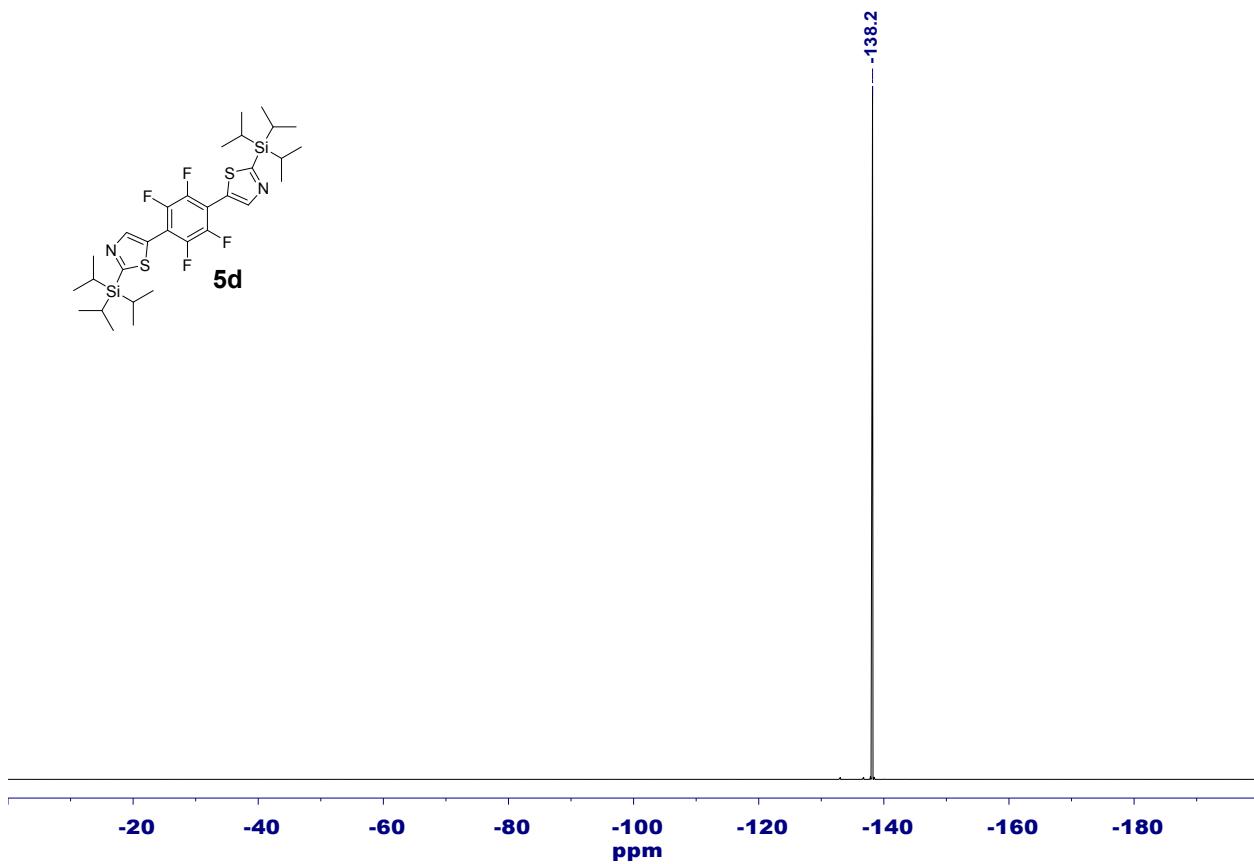


Figure S29. $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)-tetrafluorobenzene **5d** (CDCl_3 , 564 MHz, 298 K).

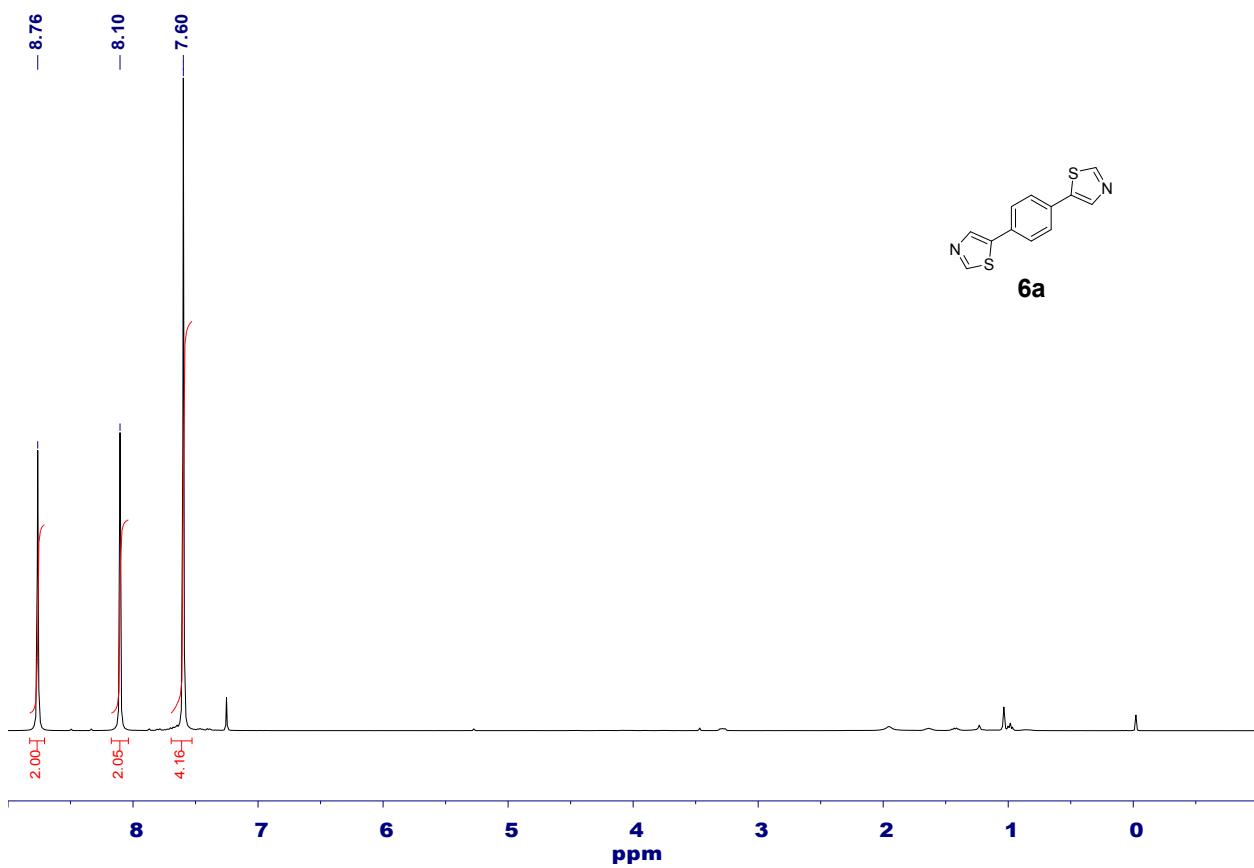


Figure S30. ^1H NMR spectrum of 1,4-di(thiazol-5-yl)-benzene **6a** (CDCl_3 , 400 MHz, 298 K).

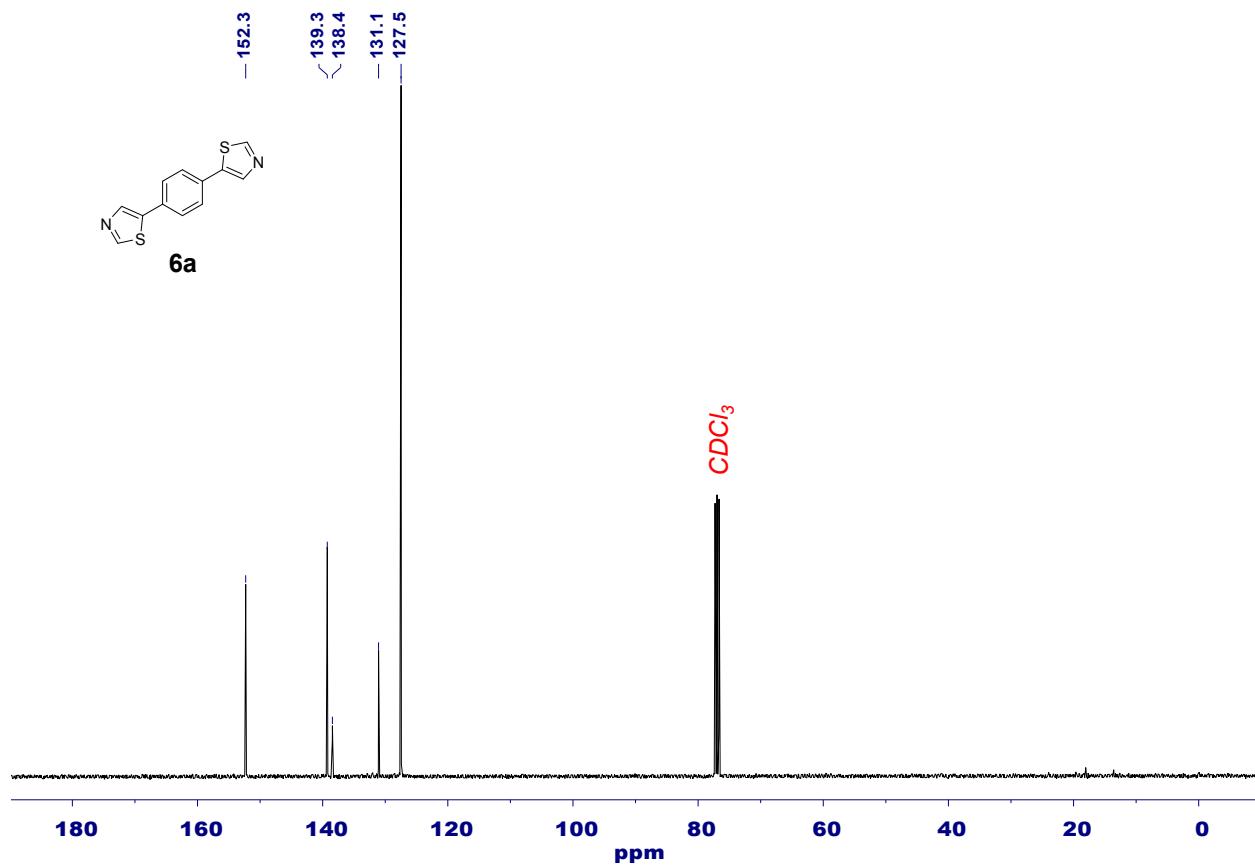


Figure S31. $^{13}\text{C}\{\text{H}\}$ NMR spectrum of 1,4-di(thiazol-5-yl)-benzene **6a** (CDCl_3 , 150 MHz, 298 K).

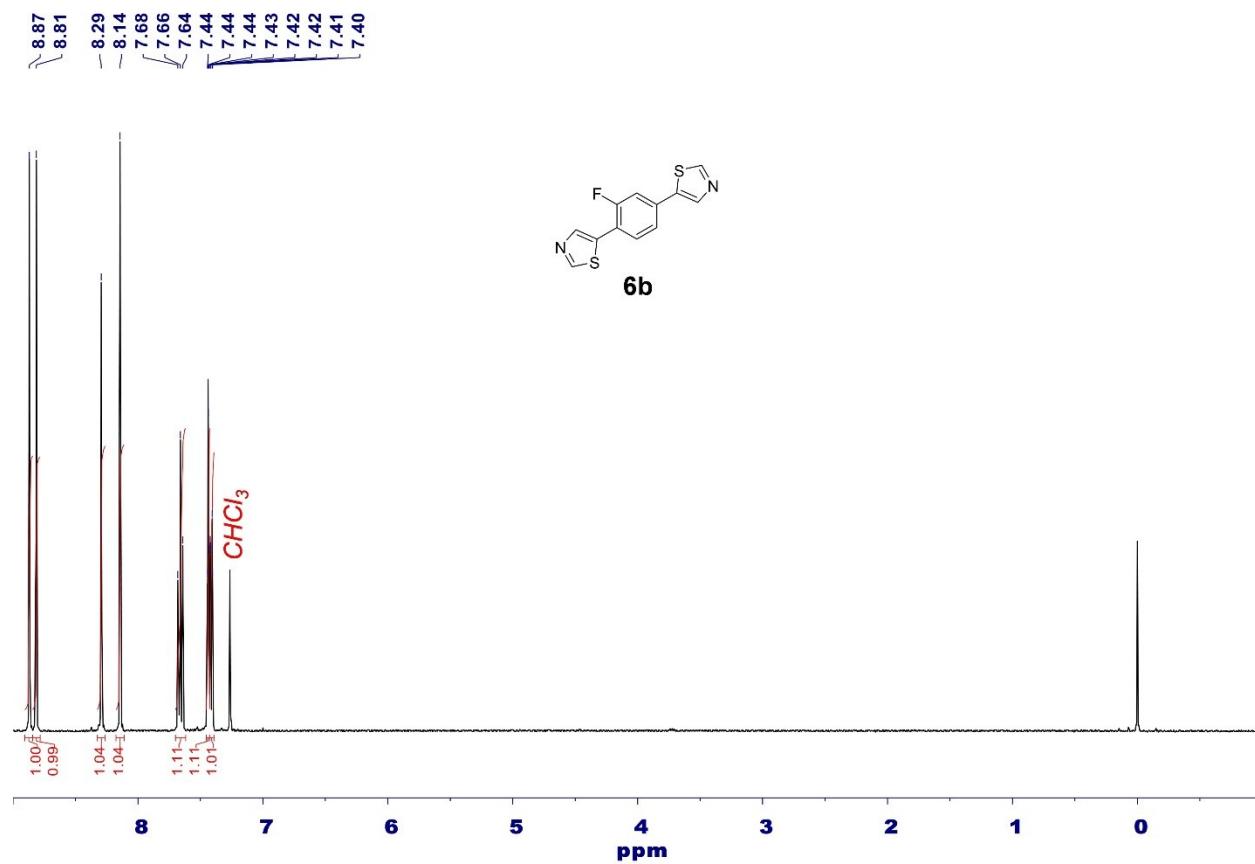


Figure S32. ^1H NMR spectrum of 1,4-di(thiazol-5-yl)-2-fluorobenzene **6b** (CDCl_3 , 400 MHz, 298 K).

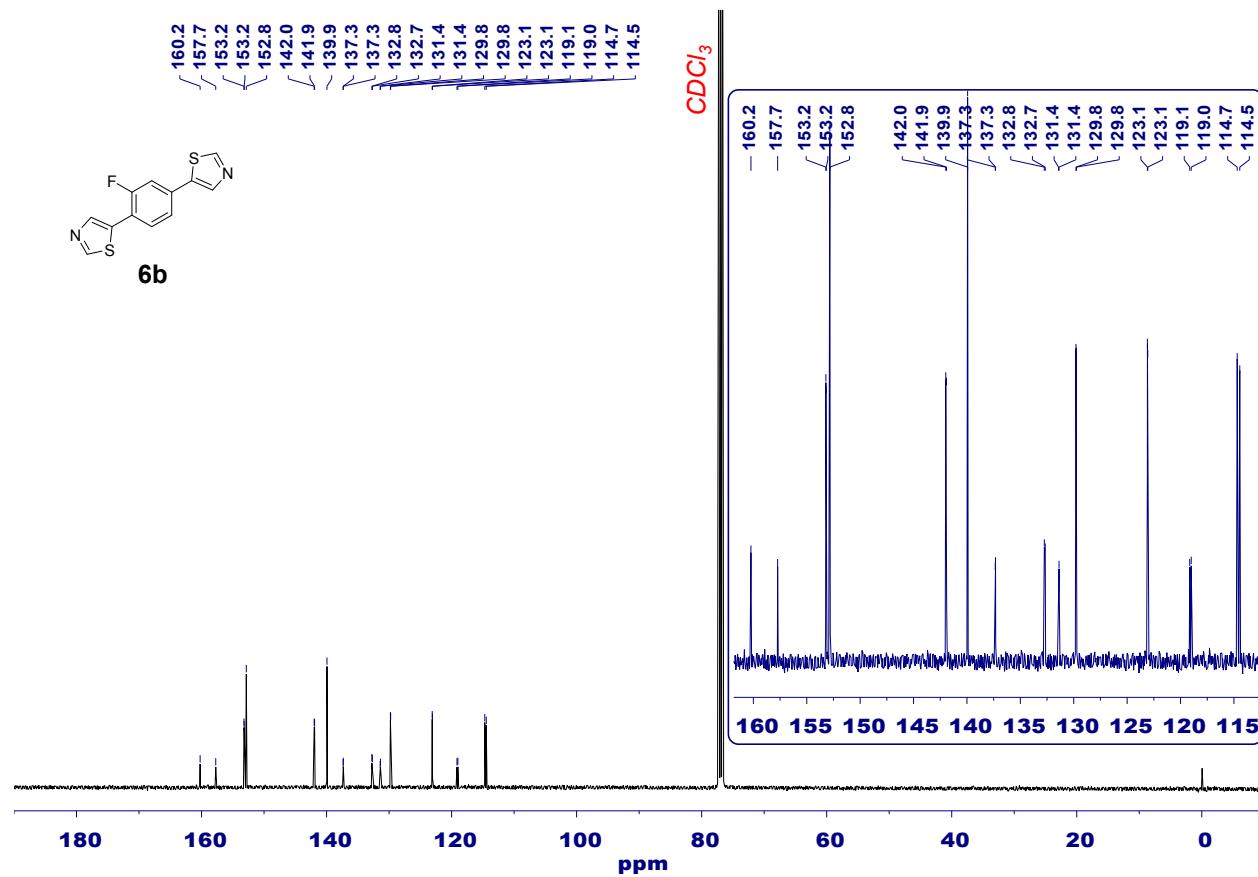


Figure S33. $^{13}\text{C}\{\text{H}\}$ NMR spectrum of 1,4-di(thiazol-5-yl)-2-fluorobenzene **6b** (CDCl_3 , 150 MHz, 298 K).

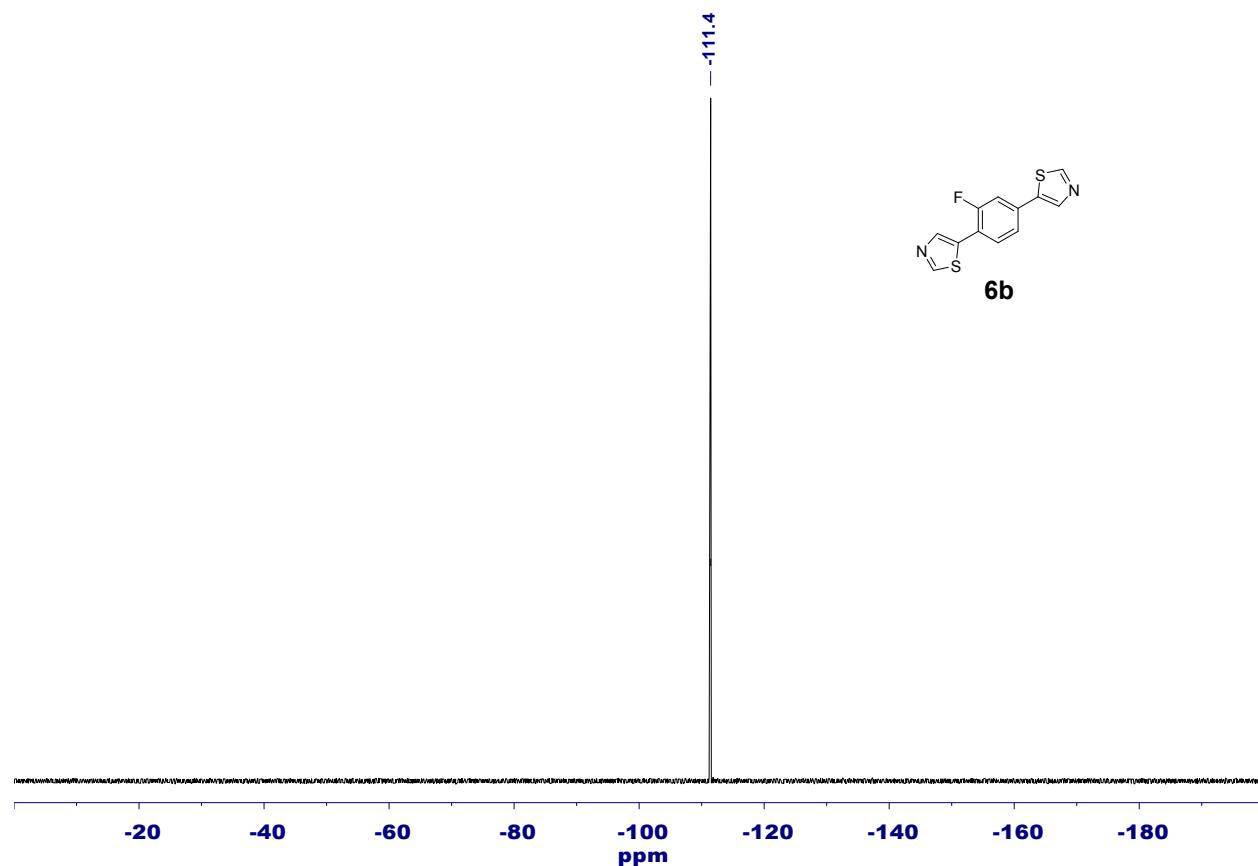
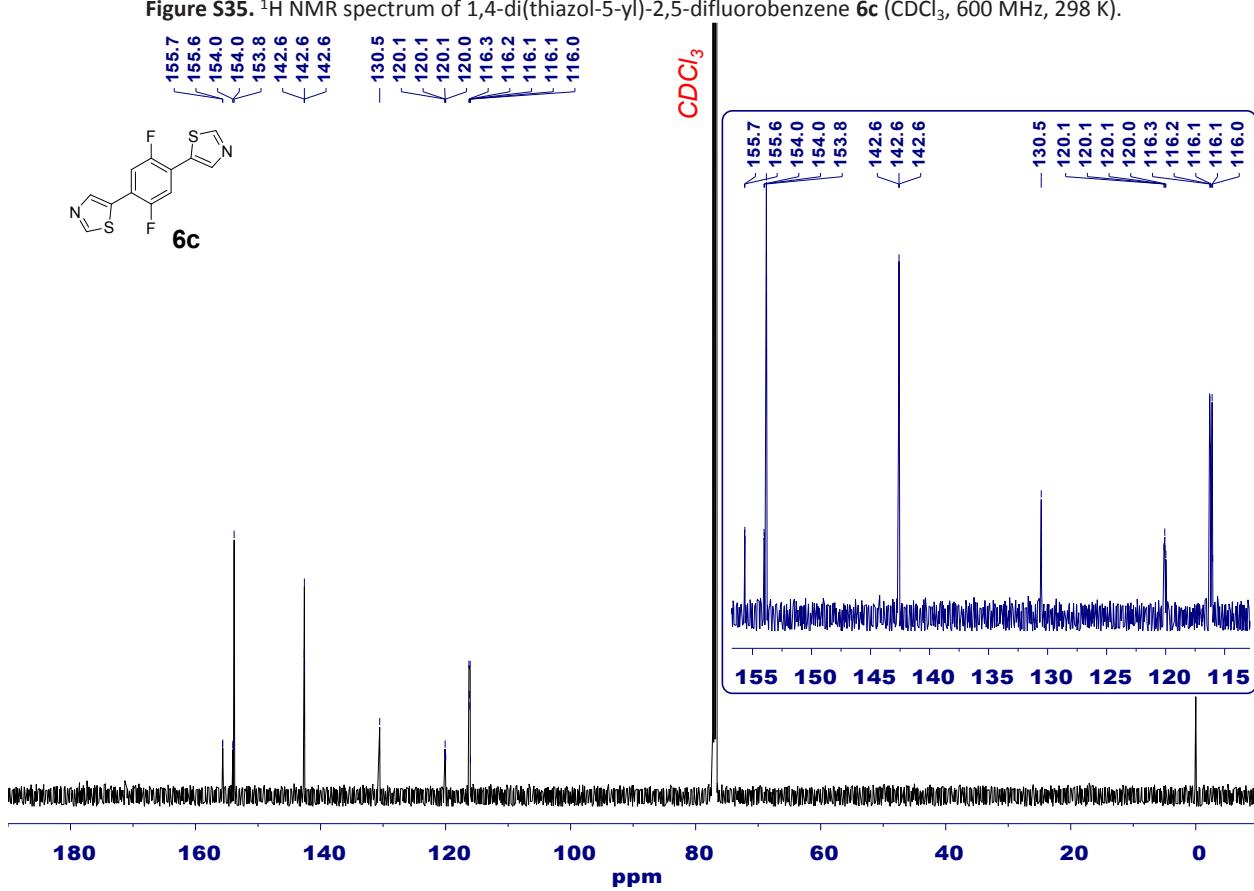
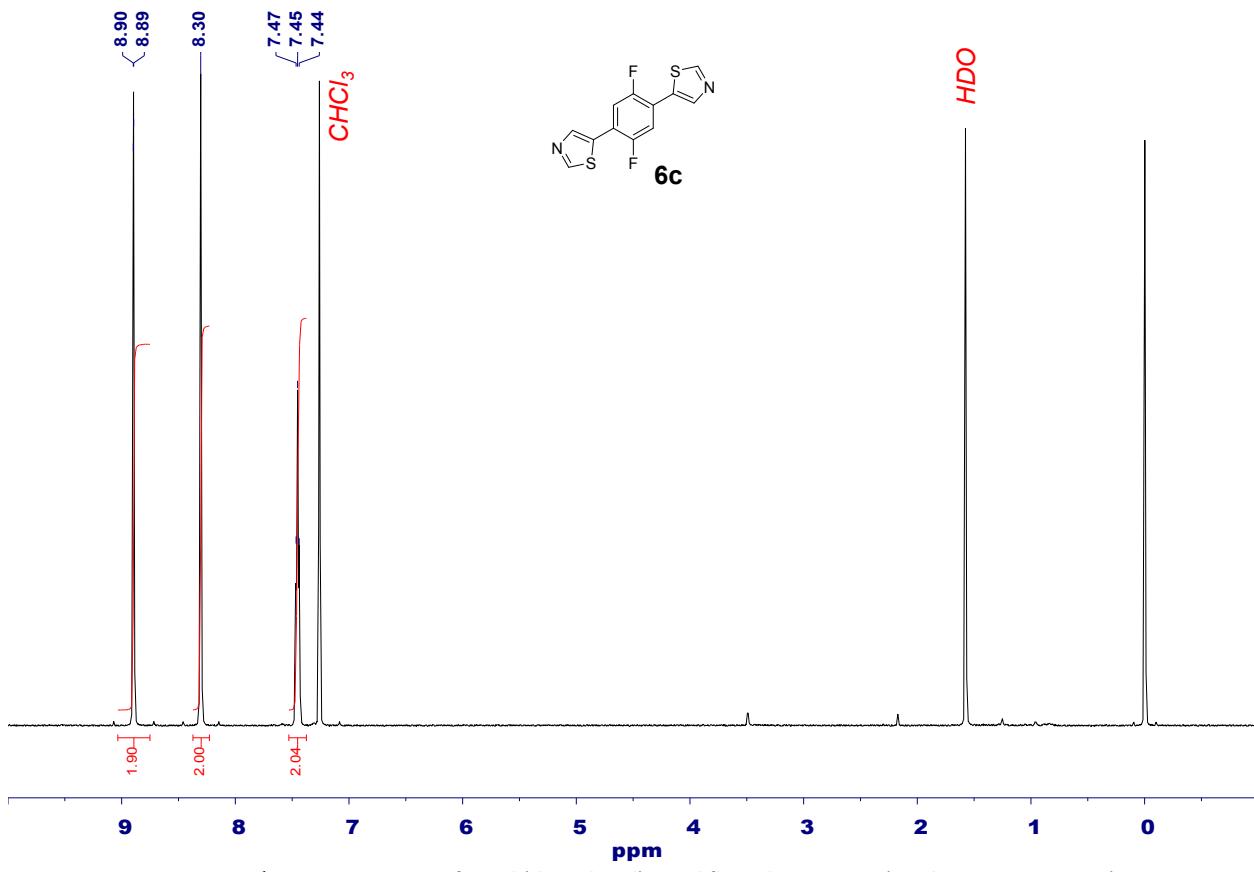


Figure S34. $^{19}\text{F}\{\text{H}\}$ NMR spectrum of 1,4-di(thiazol-5-yl)-2-fluorobenzene **6b** (CDCl_3 , 376 MHz, 298 K).



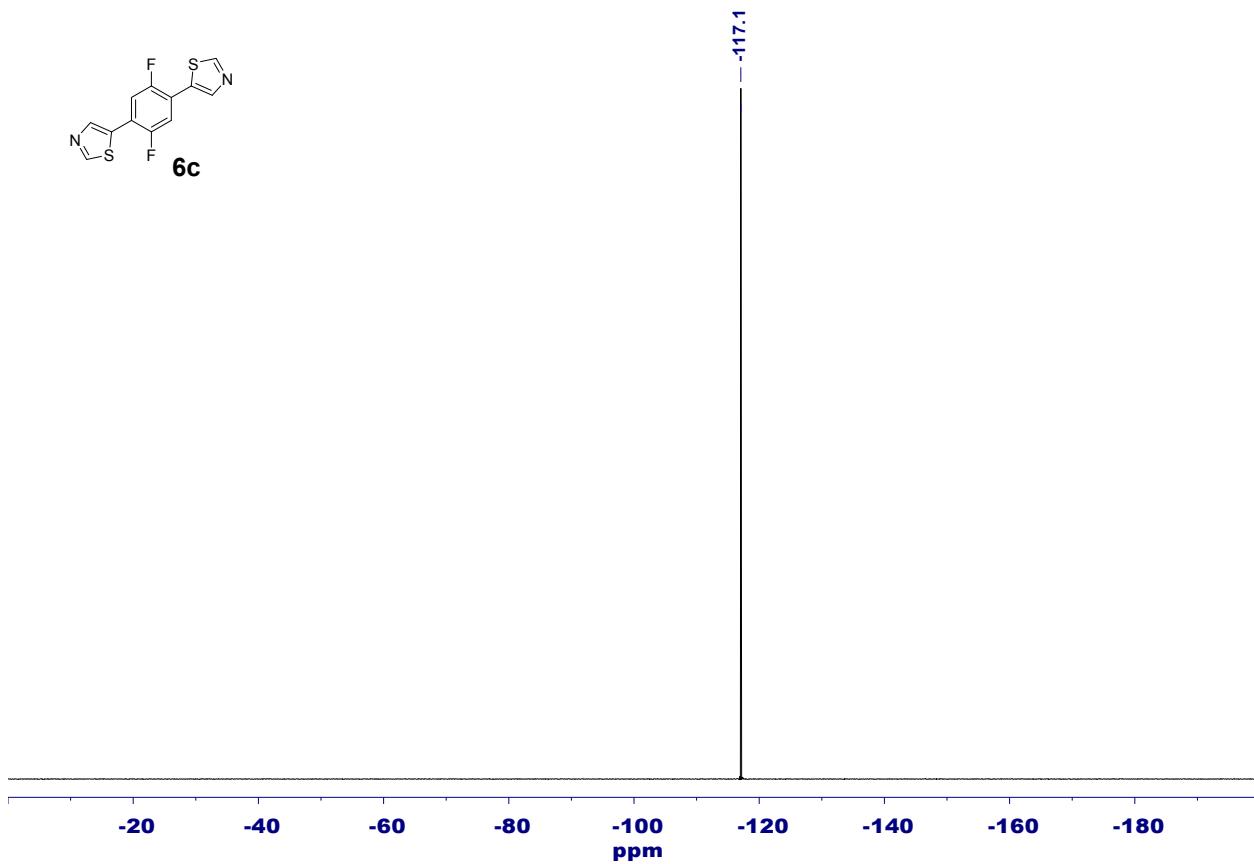


Figure S37. $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum of 1,4-di(thiazol-5-yl)-2,5-difluorobenzene **6c** (CDCl_3 , 564 MHz, 298 K).

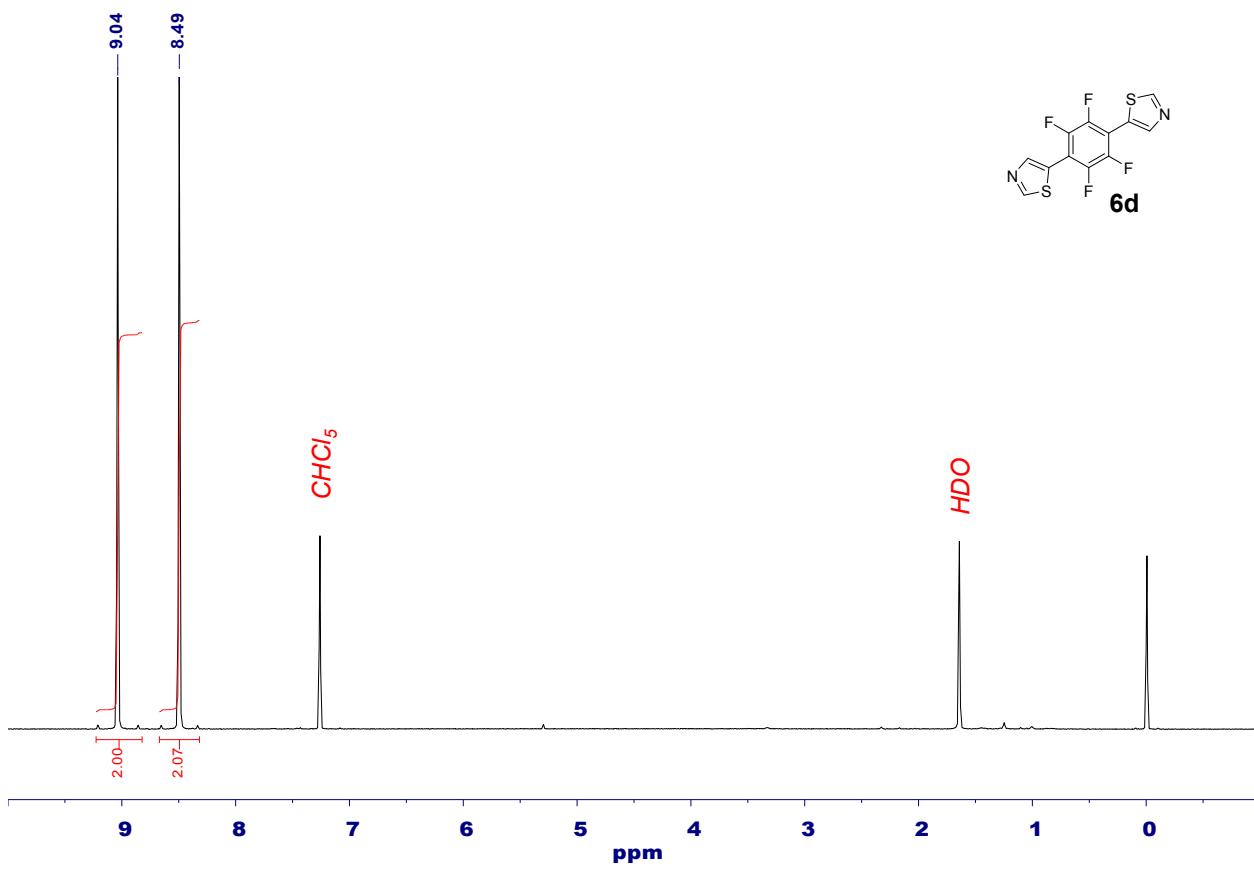


Figure S38. ^1H NMR spectrum of 1,4-di(thiazol-5-yl)-tetrafluorobenzene **6d** (CDCl_3 , 600 MHz, 298 K).

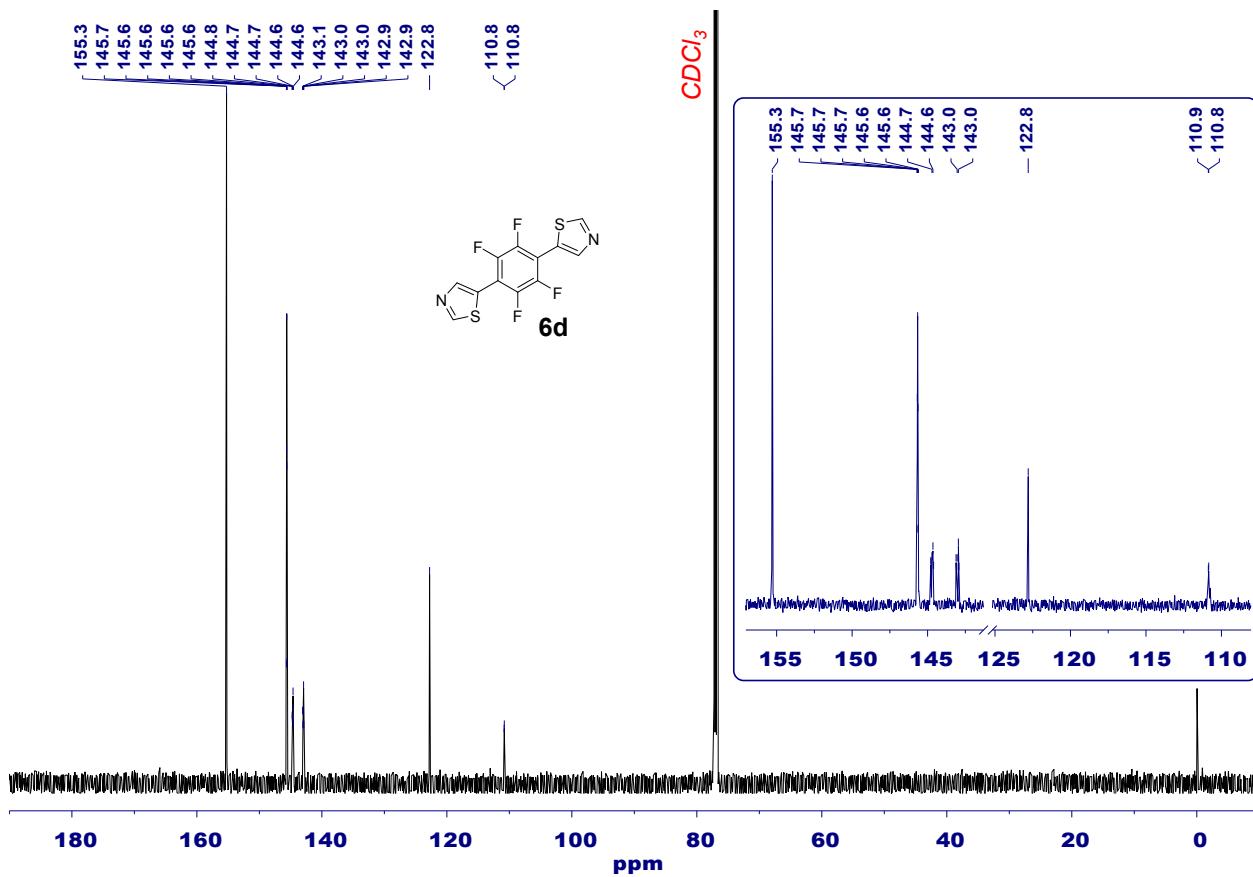


Figure S39. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of 1,4-di(thiazol-5-yl)-tetrafluorobenzene **6d** (CDCl_3 , 150 MHz, 298 K).

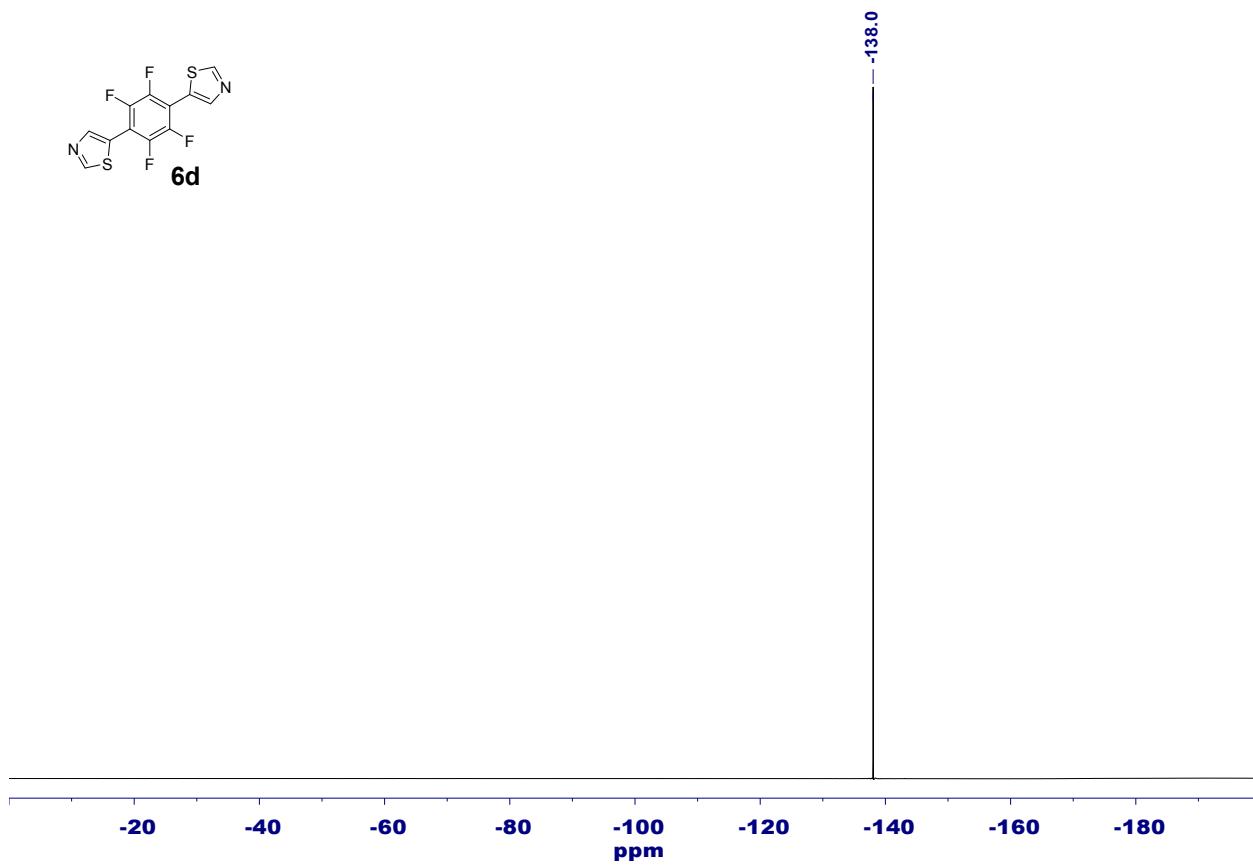
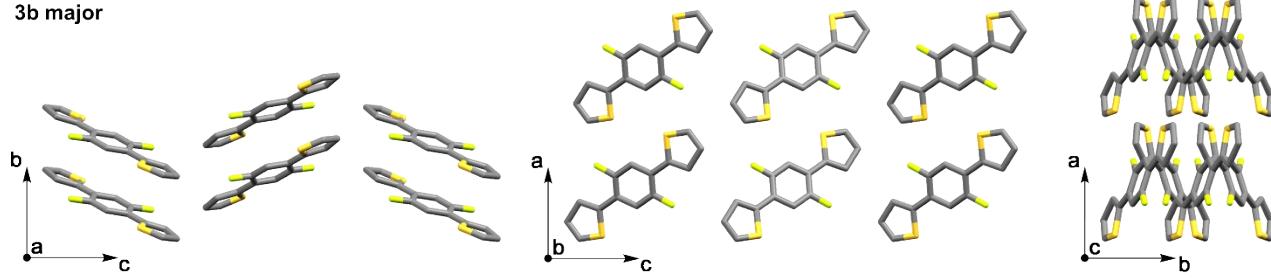
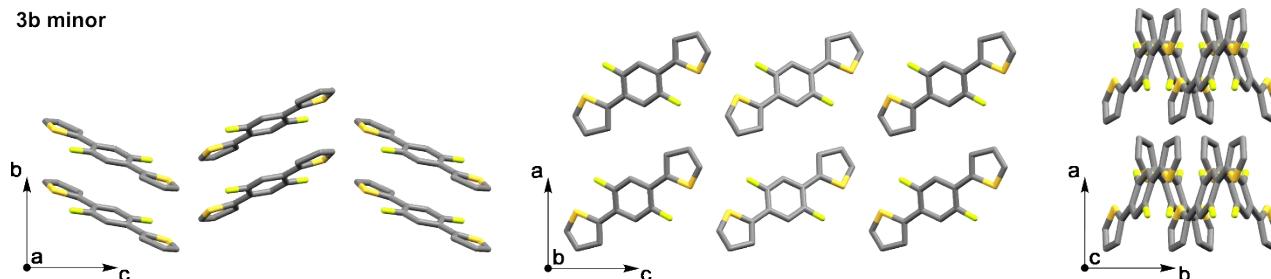


Figure S40. $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum of 1,4-di(thiazol-5-yl)-tetrafluorobenzene **6d** (CDCl_3 , 564 MHz, 298 K).

3b major



3b minor



3c

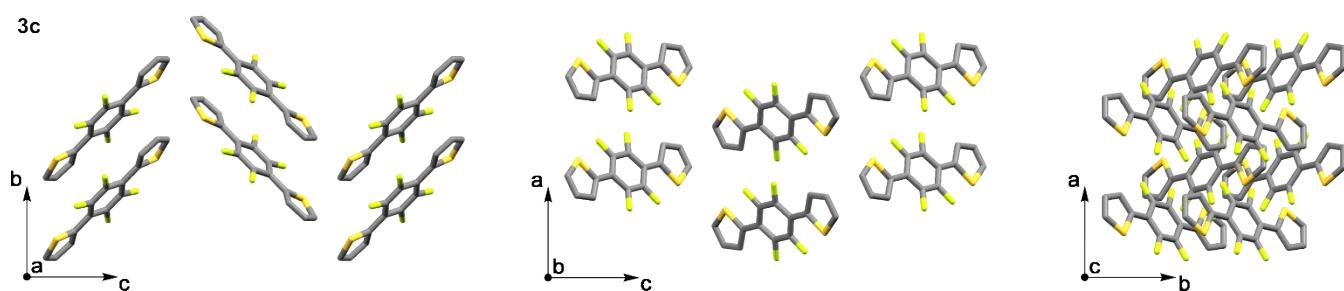


Figure S41. Crystal structures of 1,4-di(thien-2-yl)benzenes **3b,c**.

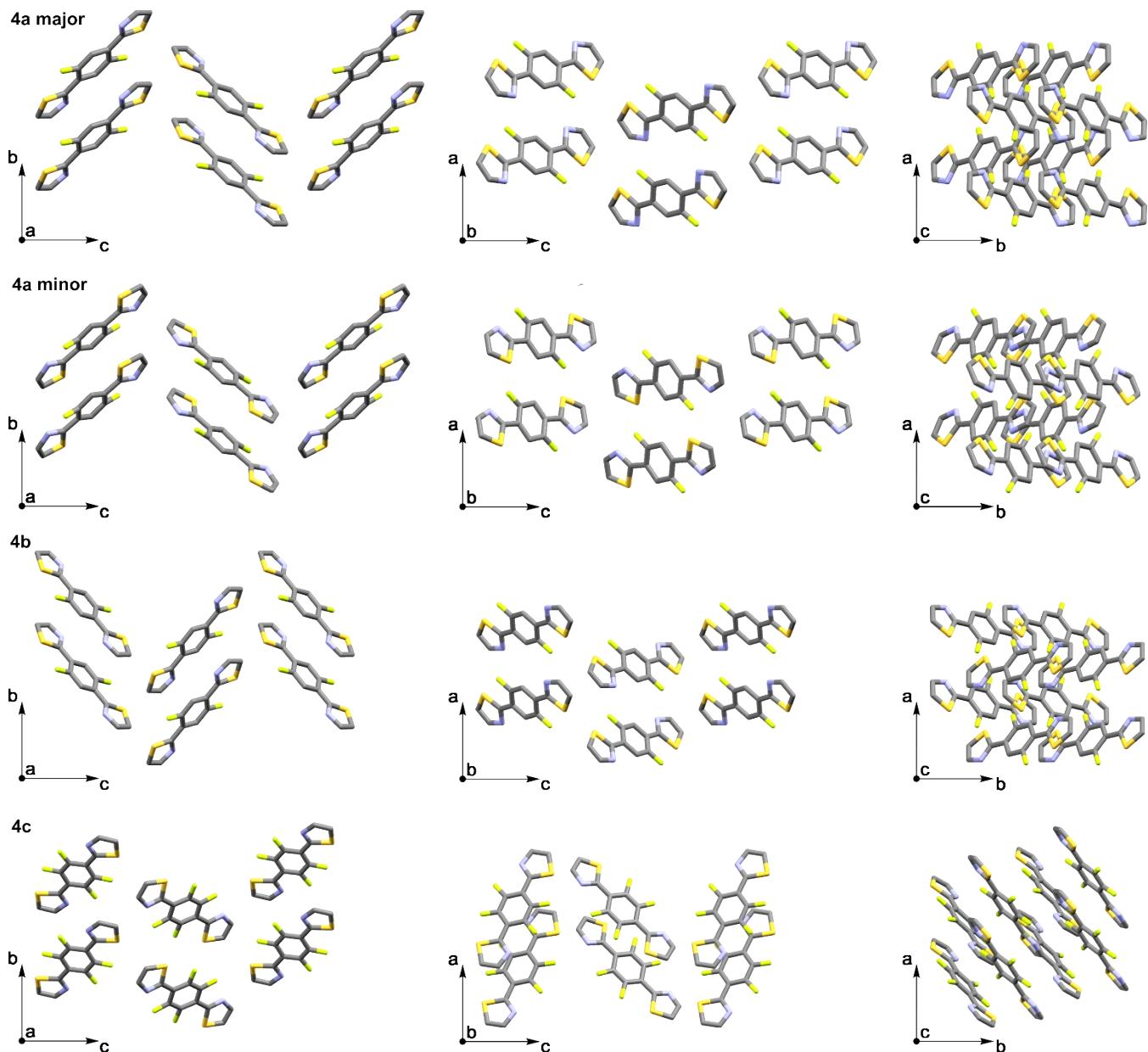


Figure S42. Crystal structures of 1,4-di(thiazol-2-yl)benzenes **4a-c**.

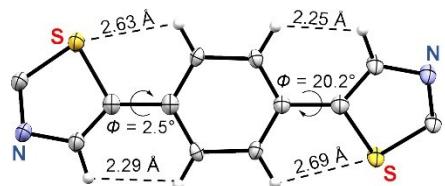


Figure S43. Molecular structure of di(thiazol-5-yl)benzene **6a**. The thermal ellipsoids are scaled to the 50% probability level. Hydrogen atoms irrelevant to discussion are omitted for clarity.

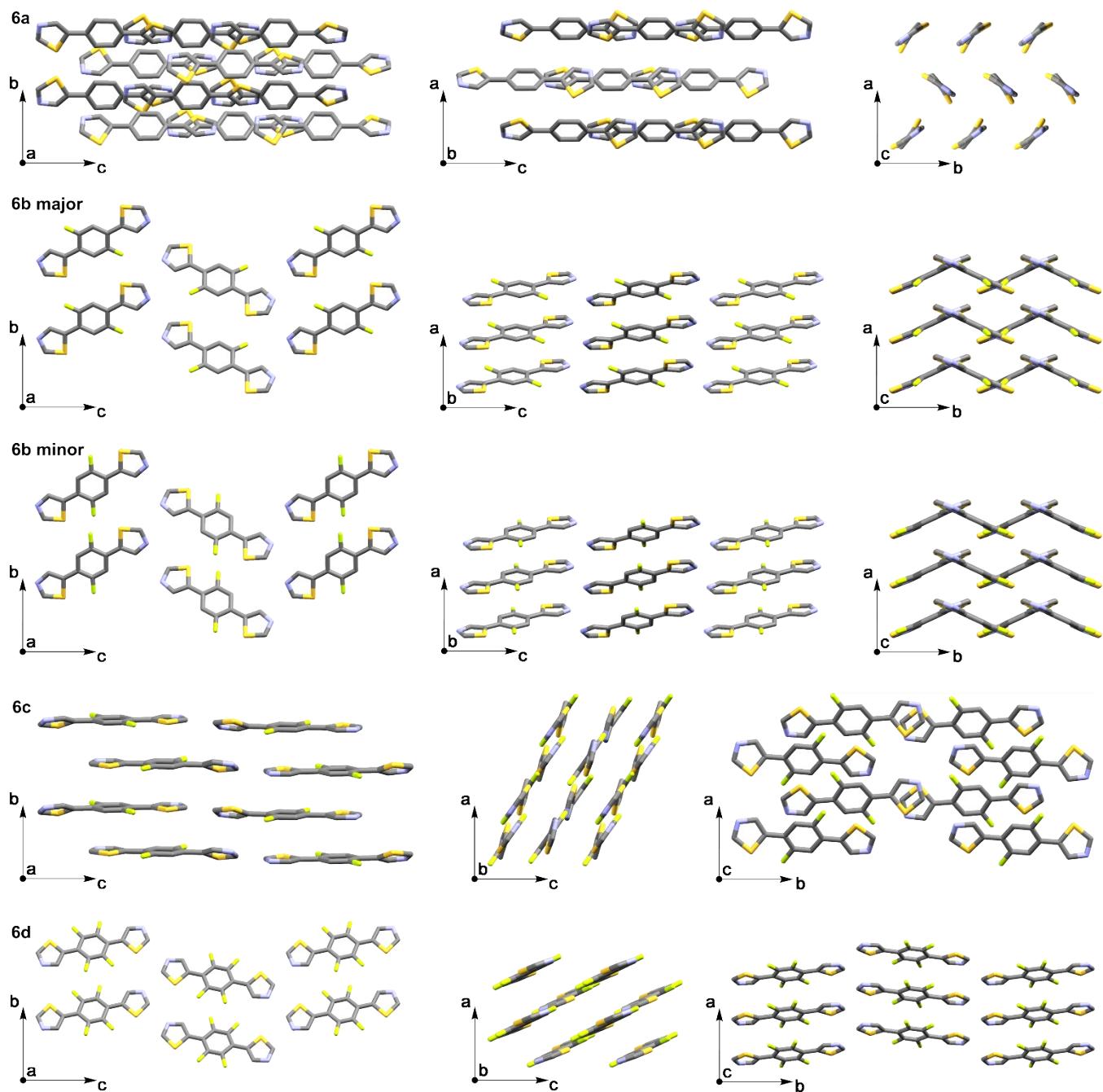


Figure S44. Crystal structures of 1,4-di(thiazol-5-yl)benzenes **6a-d**.

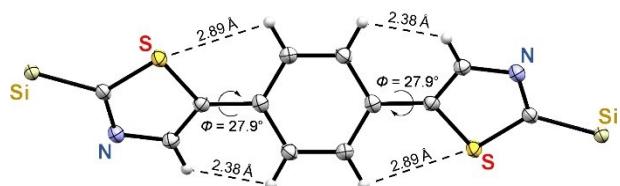


Figure S45. Molecular structure of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)benzene **5a**.

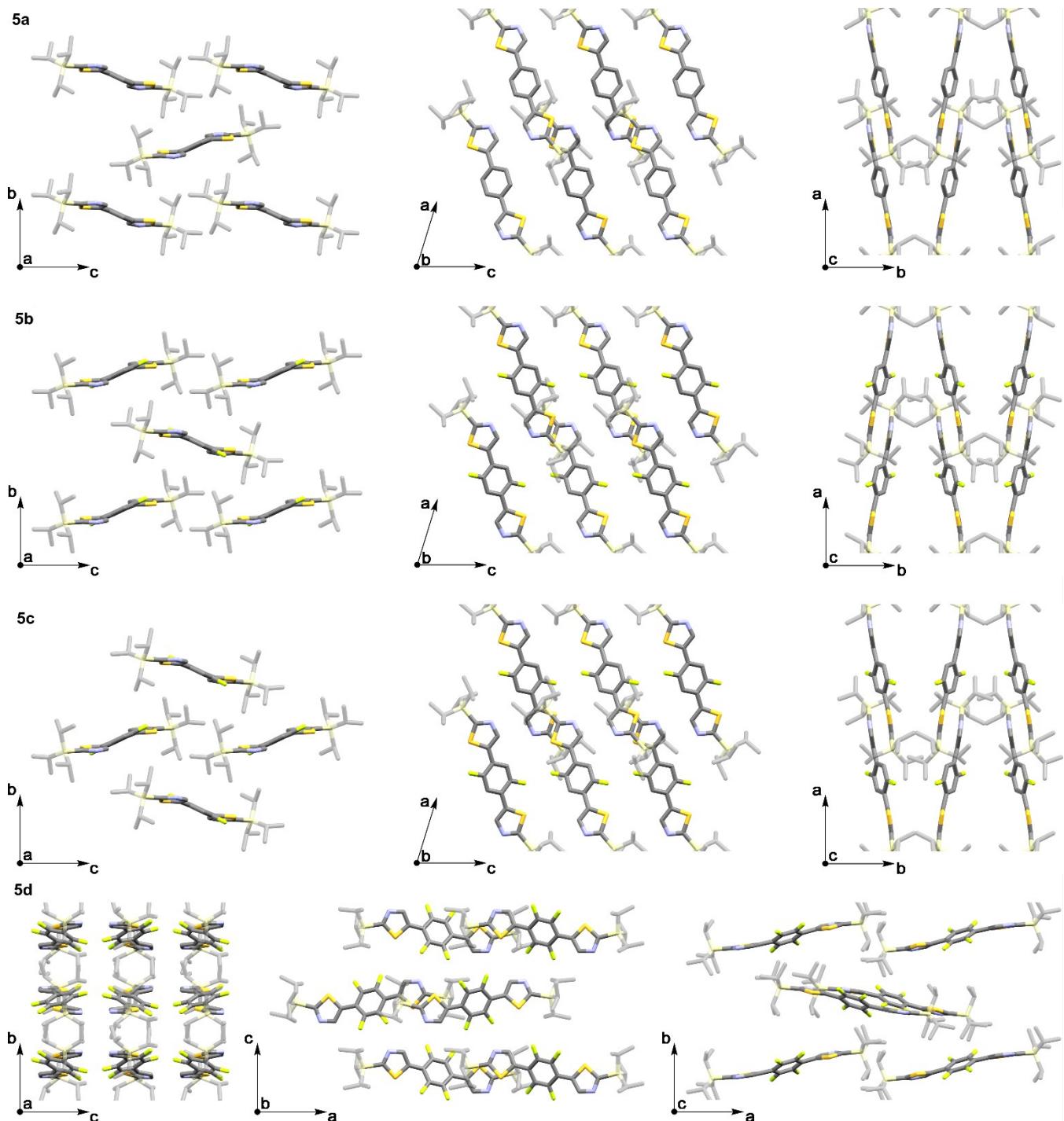


Figure S46. Crystal structures of 1,4-di(2-(triisopropylsilyl)thiazol-5-yl)benzenes **5a-d**. TIPS groups are dashed for clarity.

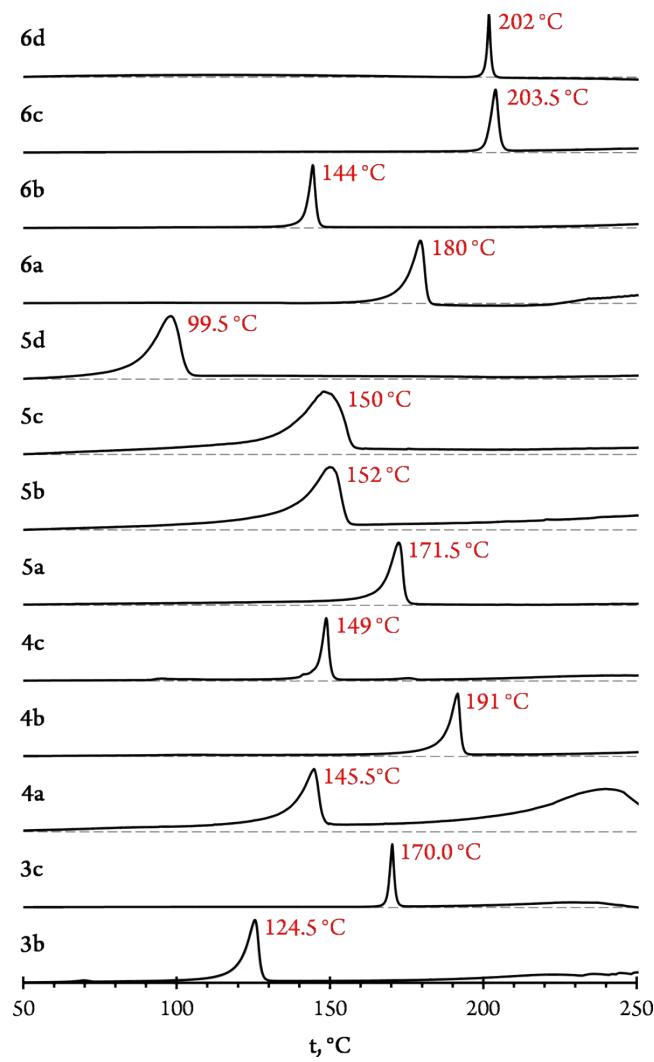


Figure S47. Normalized DSC curves for compounds **3b,c**, **4a-c**, **5a-d** and **6a-d**.