

Figure S3: ^1H NMR (400 MHz, CDCl_3) spectra of **btp** ligand **7**.

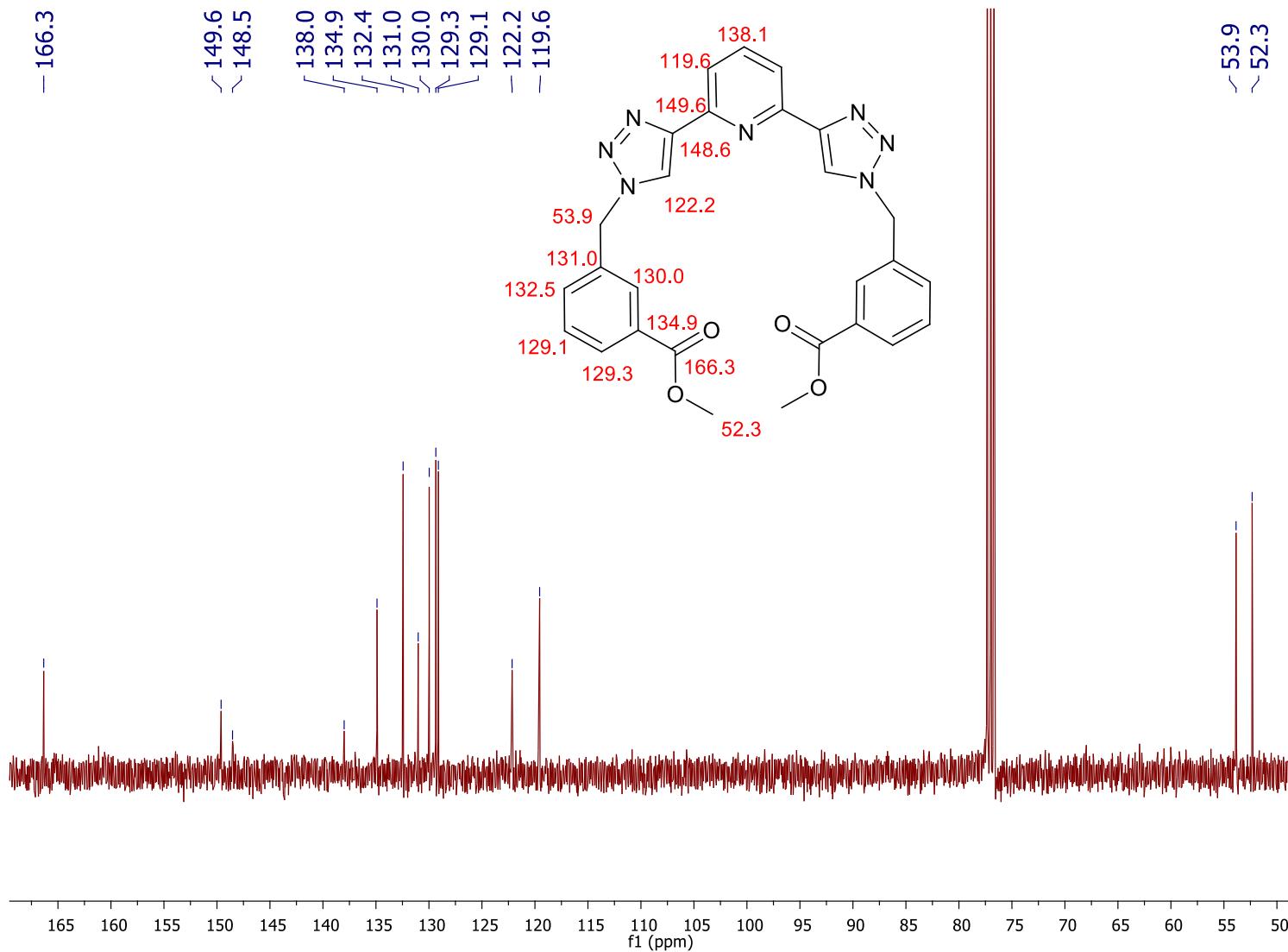


Figure S4: ^{13}C NMR (151 MHz, CDCl_3) spectra of **btp** ligand **7**.

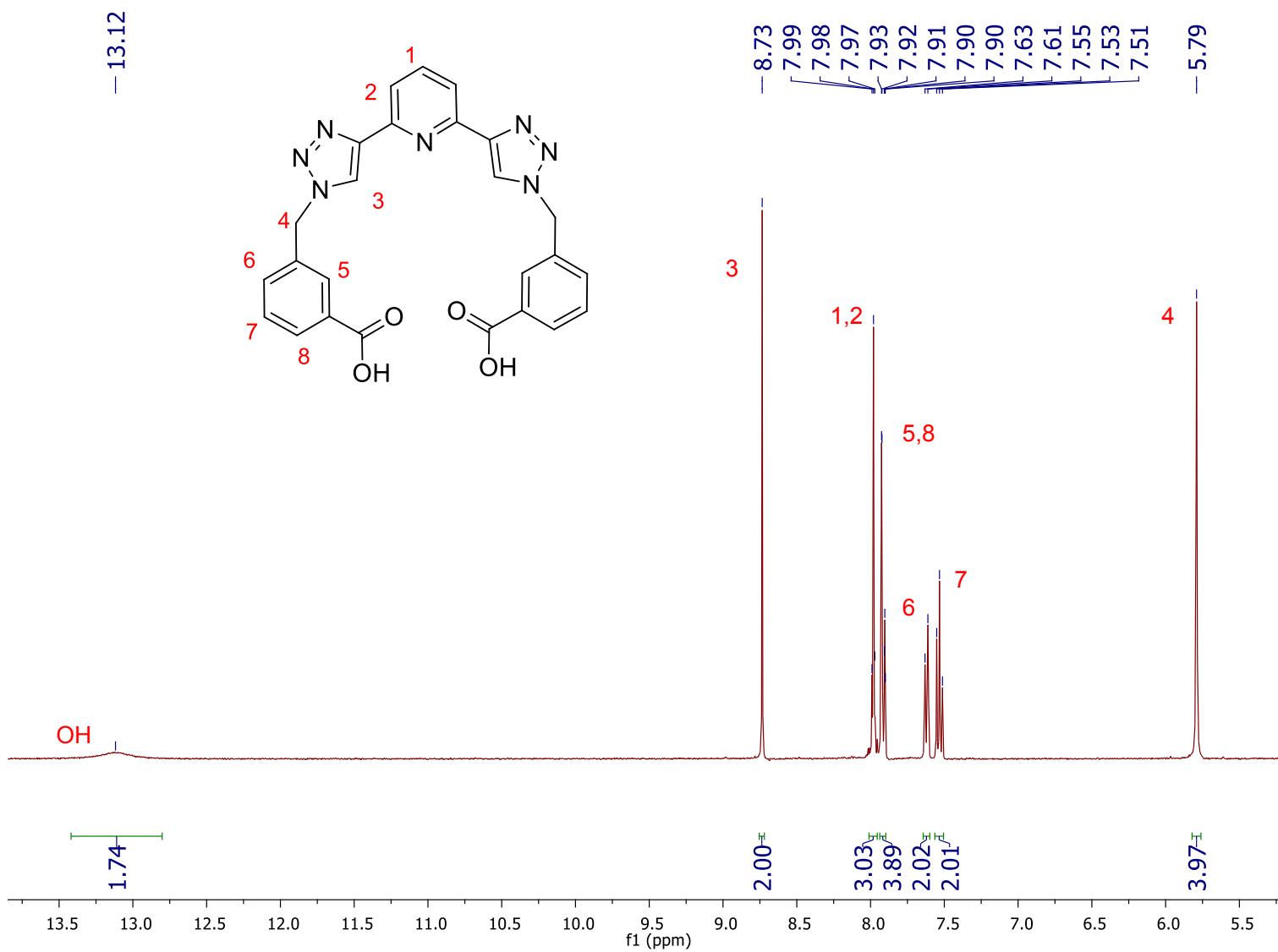


Figure S5: ^1H NMR (400 MHz, $\text{DMSO}-d_6$) spectrum of **btp** ligand **8**.

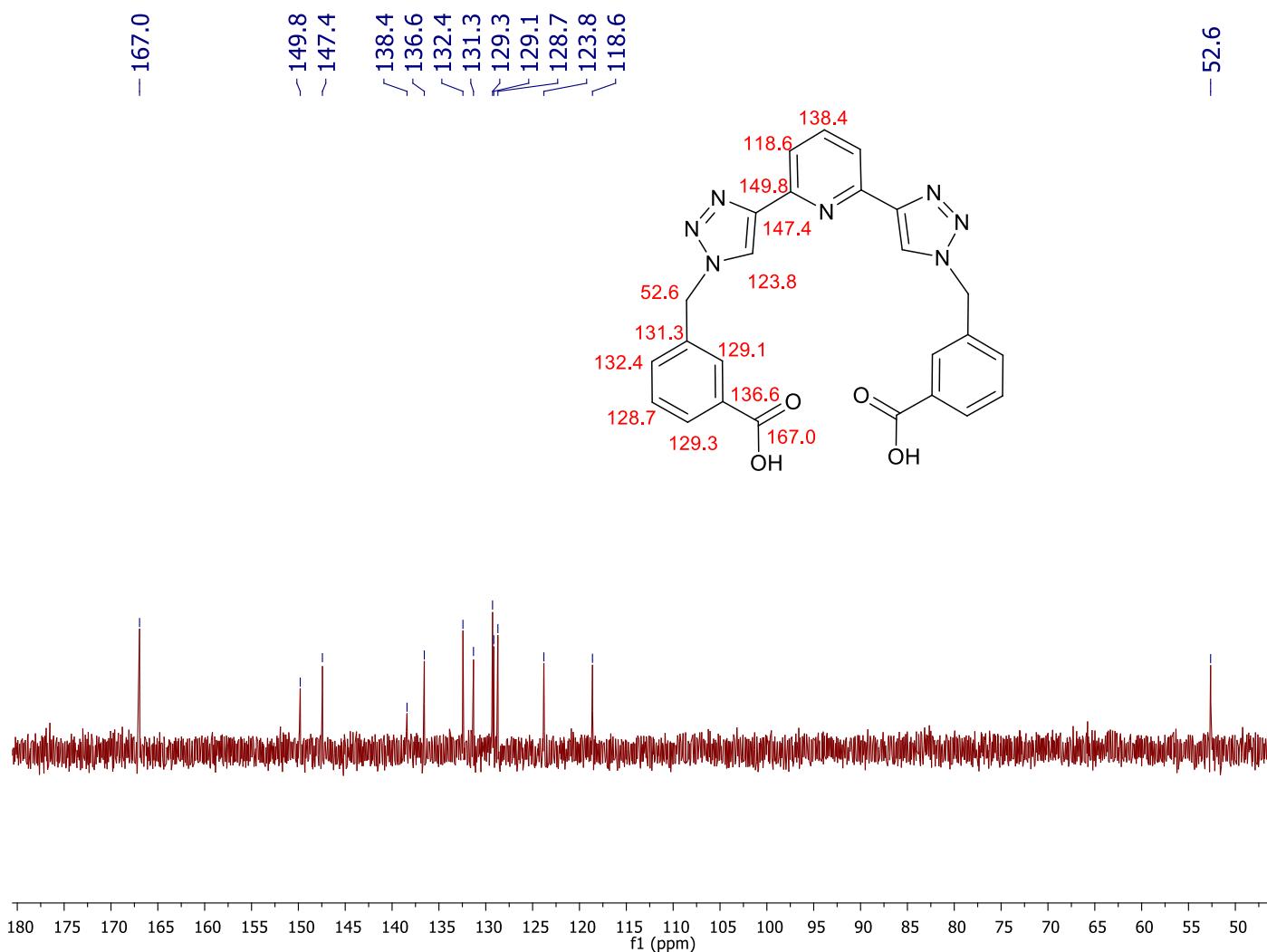


Figure S6: ^{13}C NMR (151 MHz, DMSO- d_6) spectrum of **btp** ligand **8**.

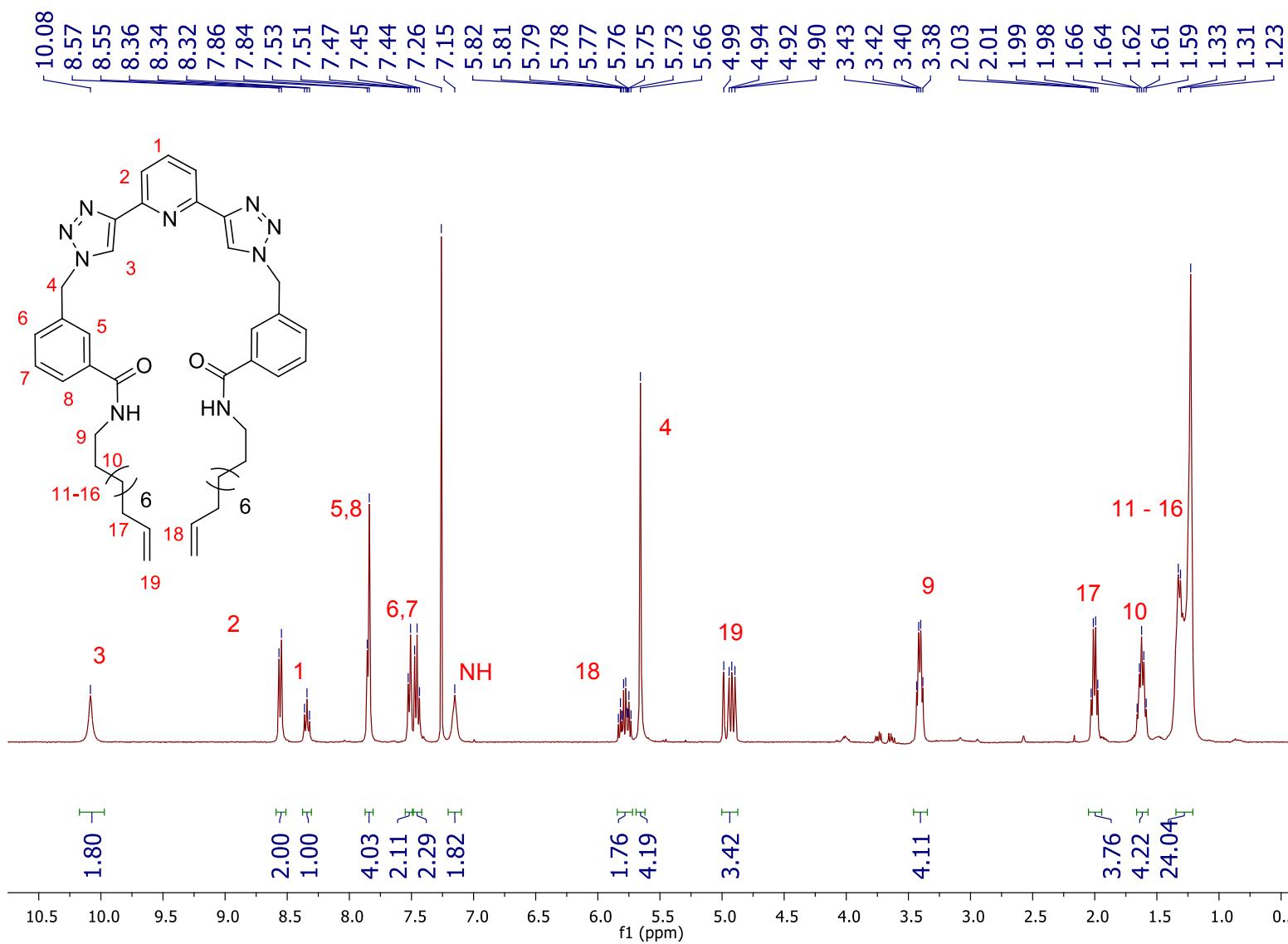


Figure S7: ^1H NMR (400 MHz, $\text{DMSO}-d_6$) spectrum of btp ligand 3.

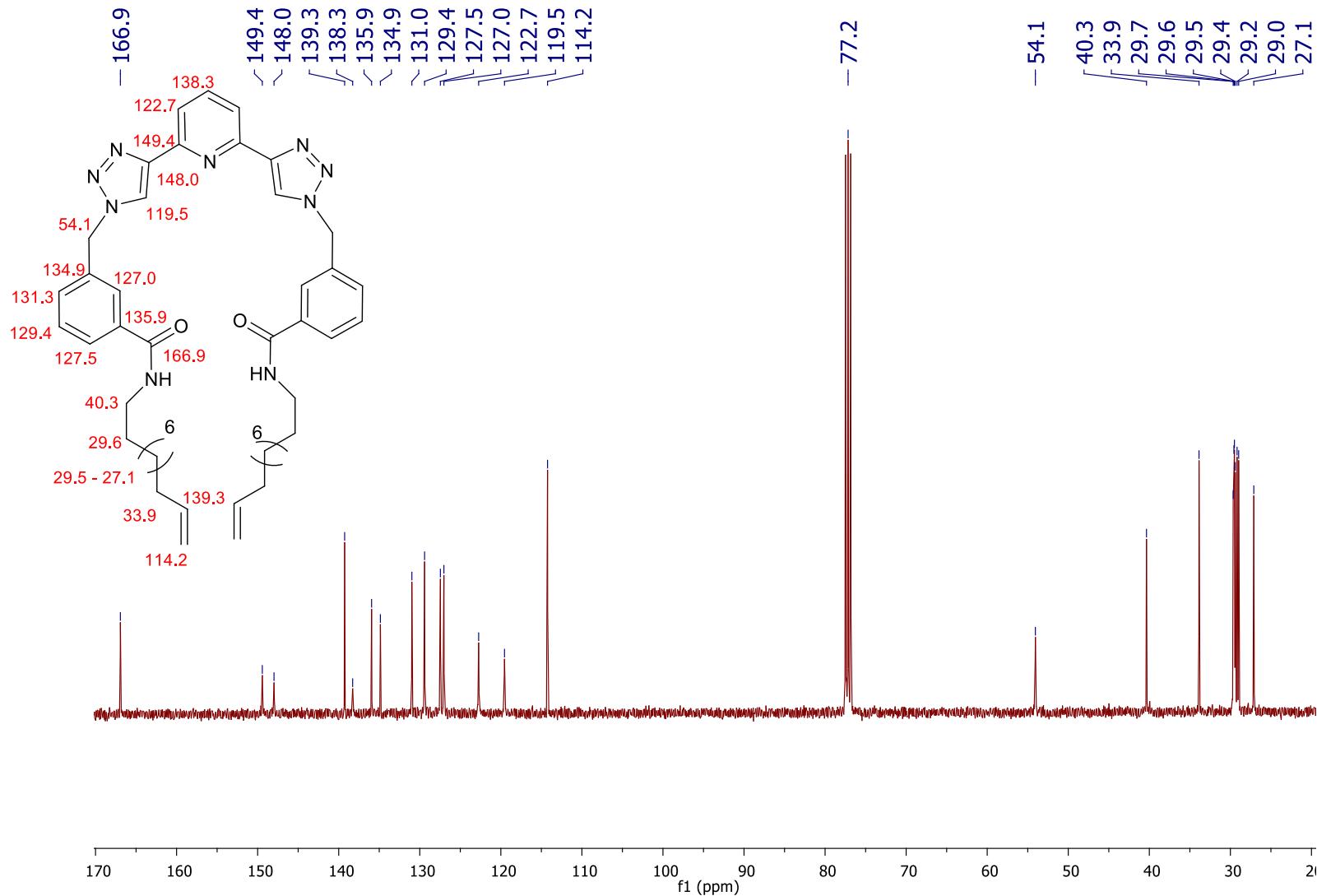


Figure S8: ^{13}C NMR (151 MHz, CDCl_3) spectra of btp ligand 3.

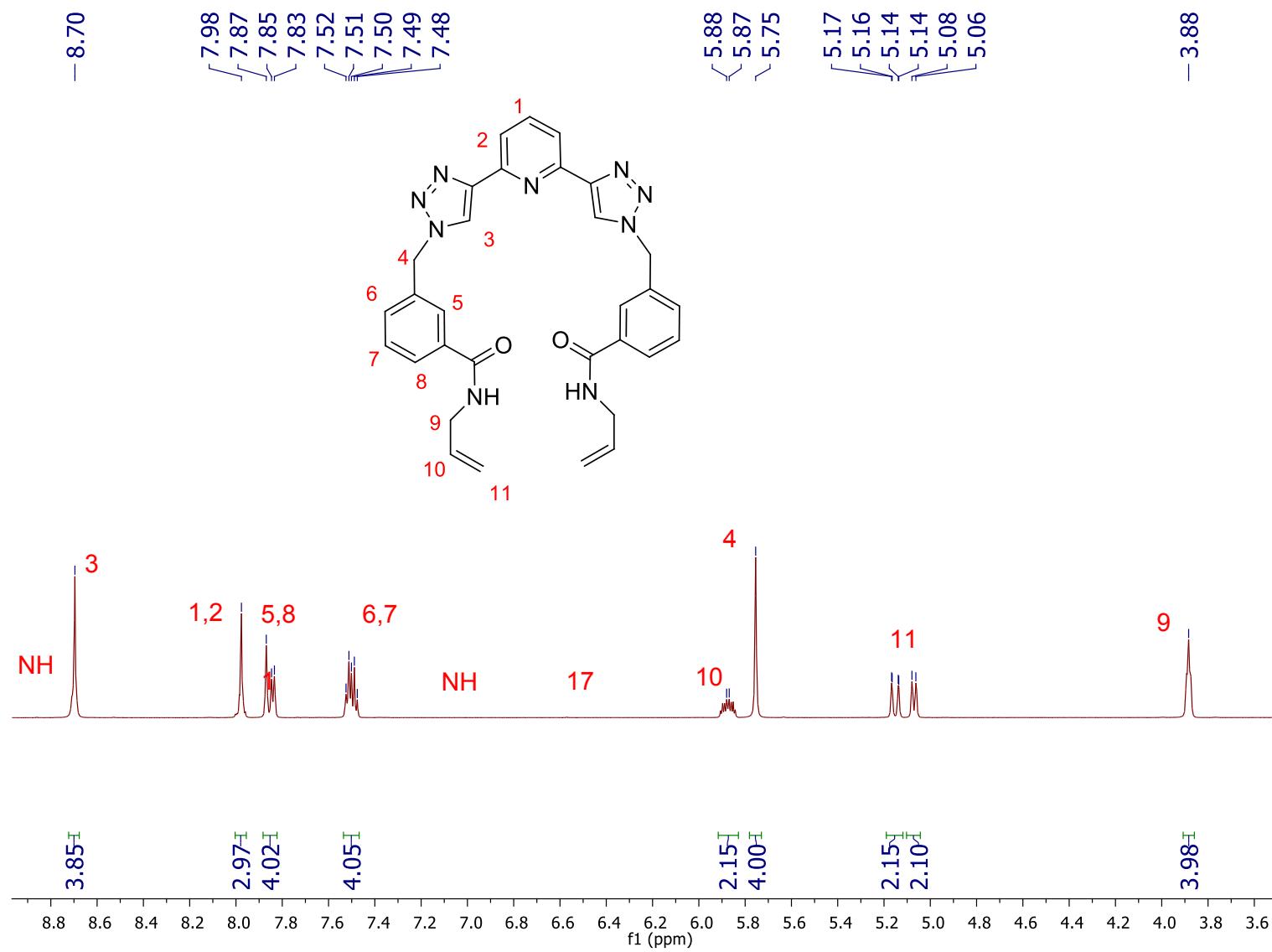


Figure S9: ^1H NMR (400 MHz, $\text{DMSO}-d_6$) spectrum of **btp** ligand **4**.

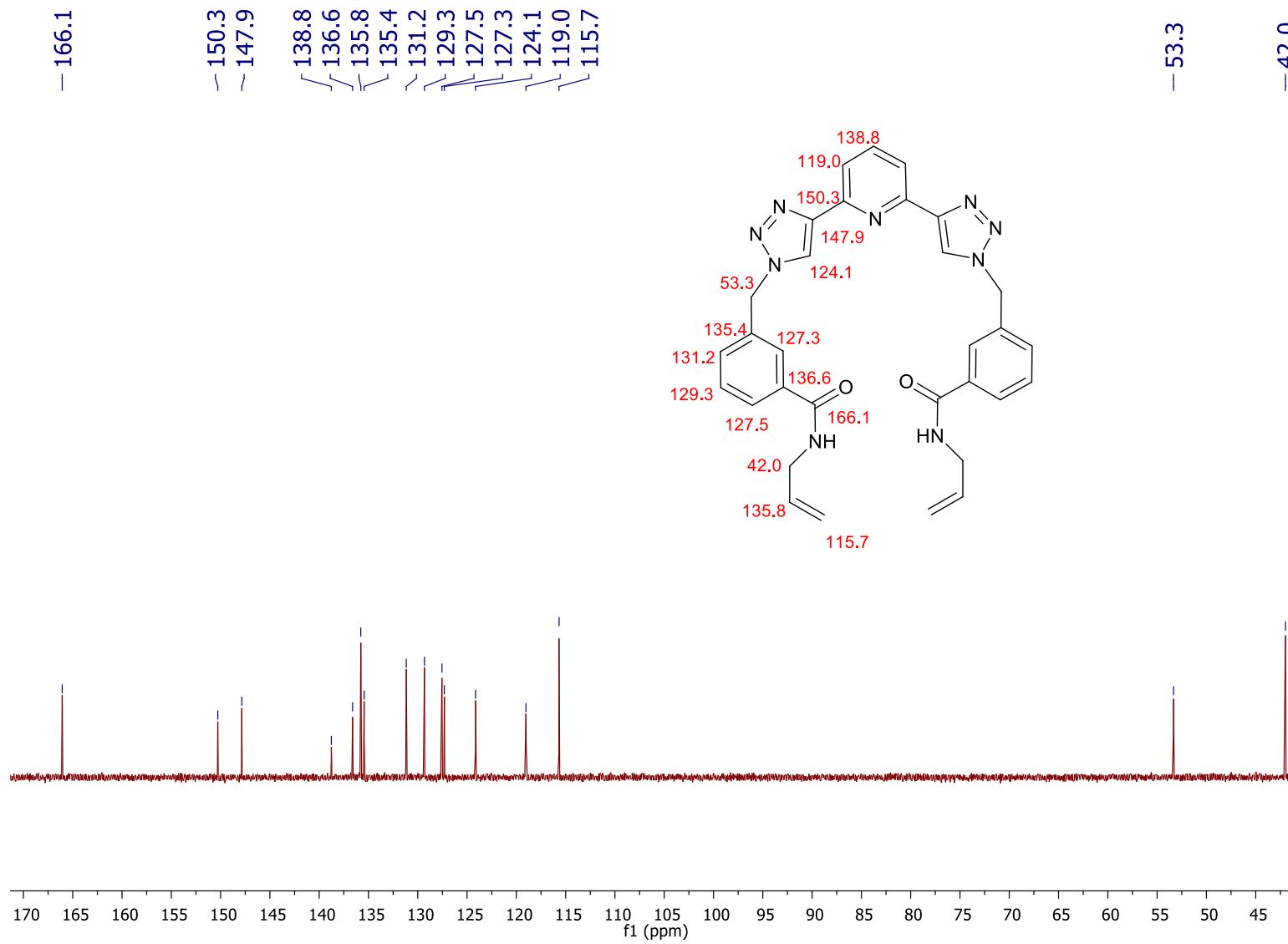


Figure S10: ^{13}C NMR (151 MHz, $\text{DMSO}-d_6$) spectra of **btp** ligand **4**.

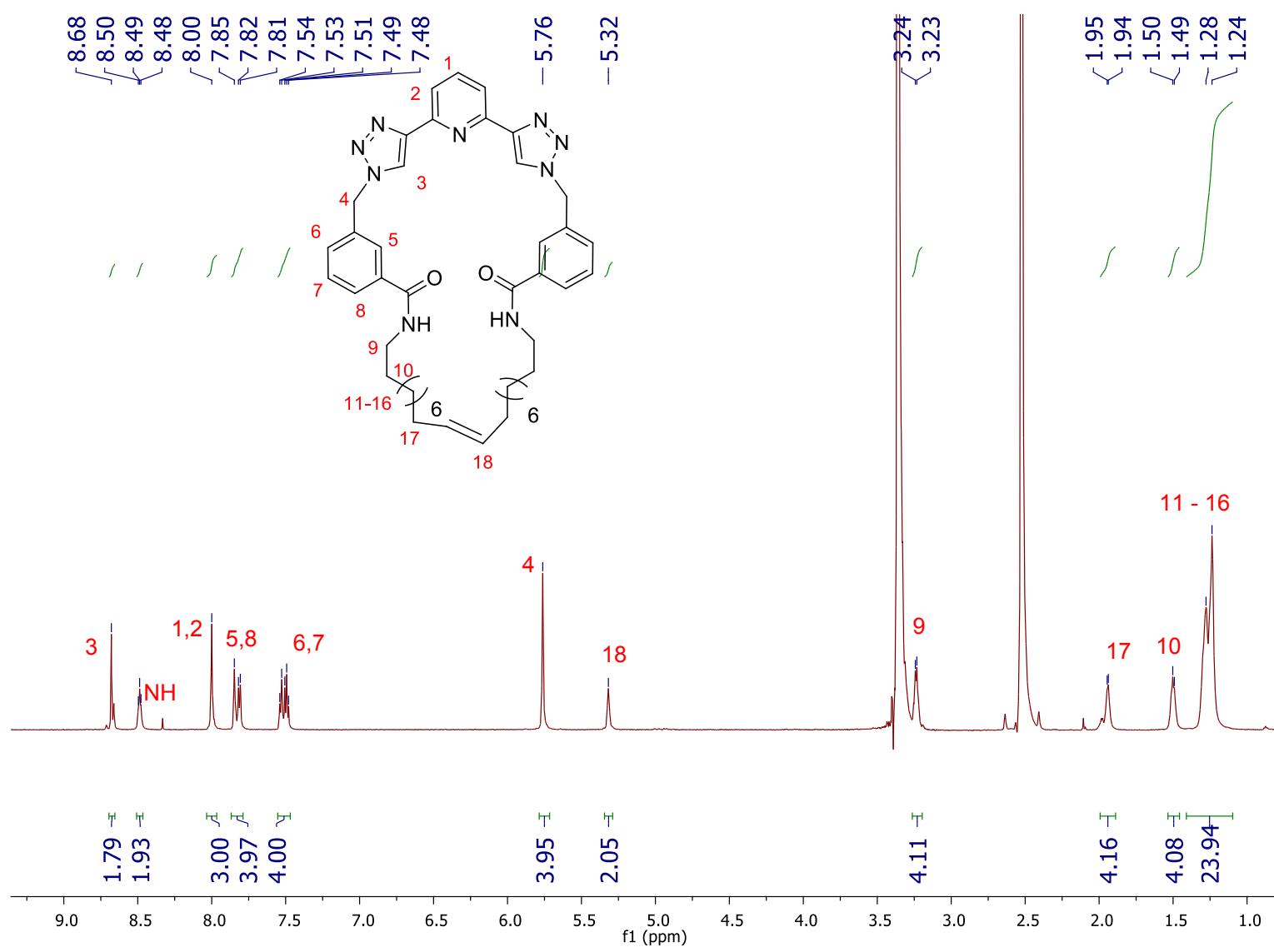


Figure S11: (Top) ^1H NMR (400 MHz, DMSO- d_6) spectrum of **btp** ligand **9**.

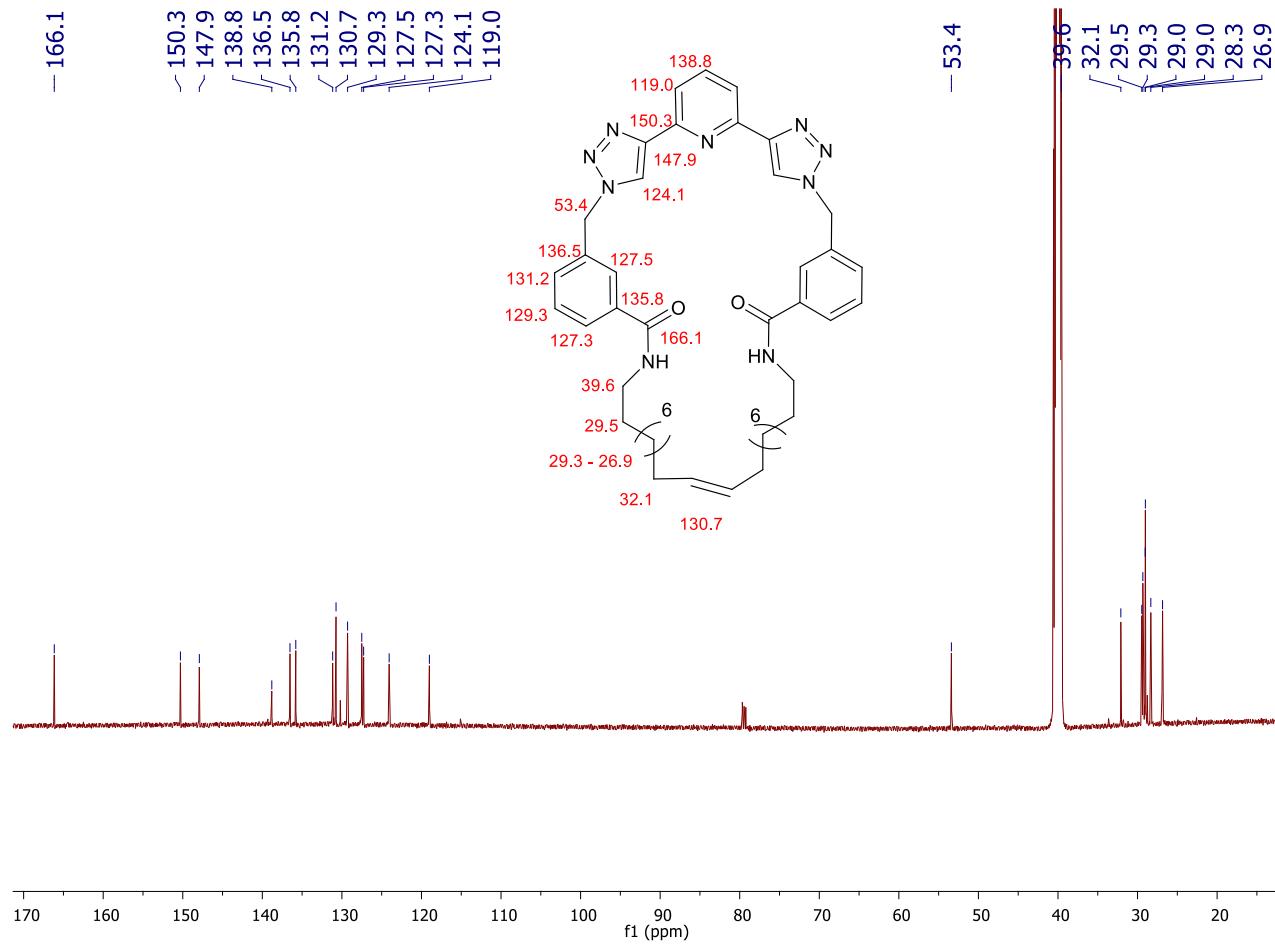


Figure S12: ^{13}C NMR (101 MHz, $\text{DMSO}-d_6$) spectrum of **btp** ligand **9**.

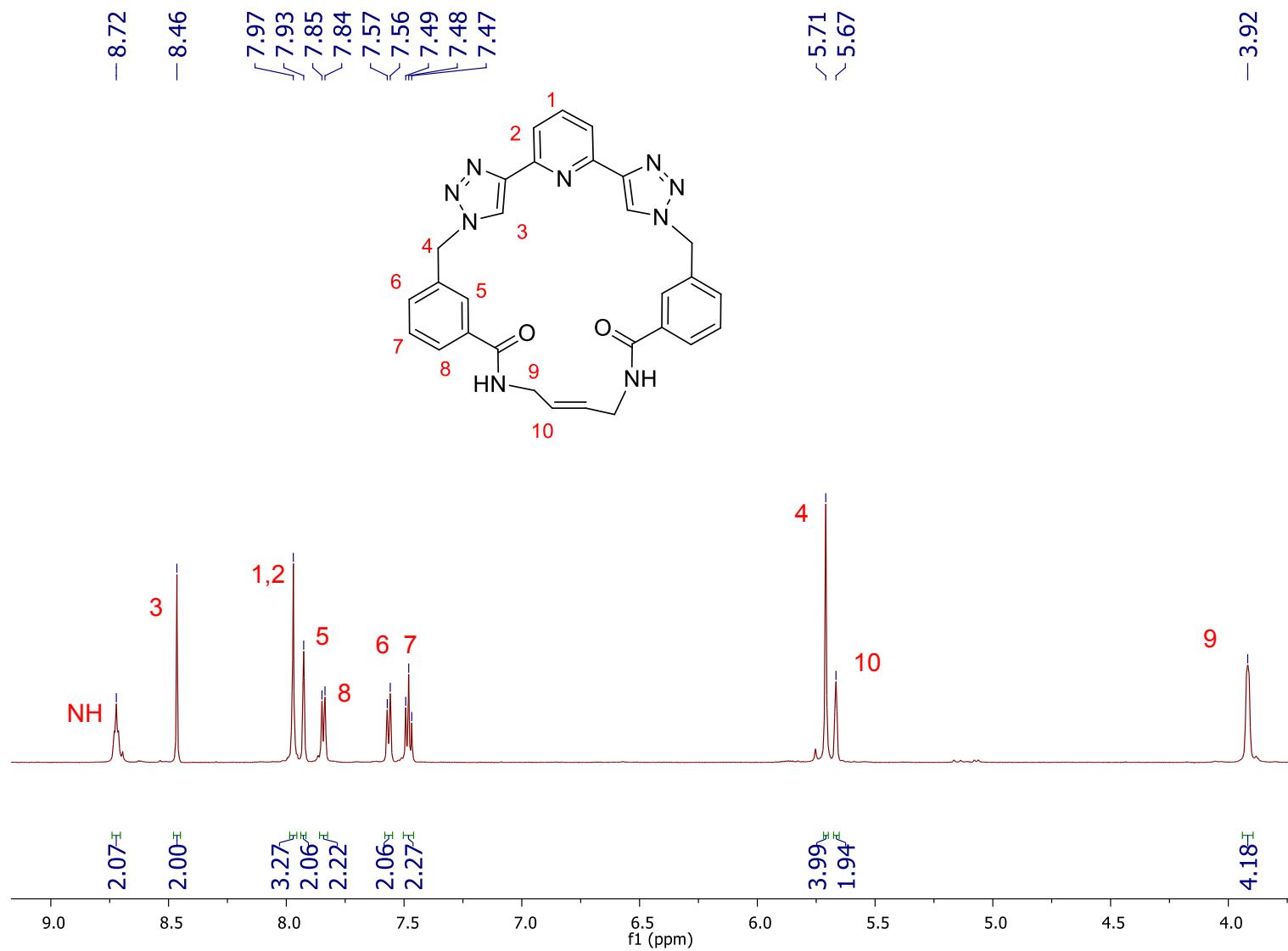


Figure S13: ^{13}C NMR (151 MHz, DMSO- d_6) spectra of **btp** ligand **10**.

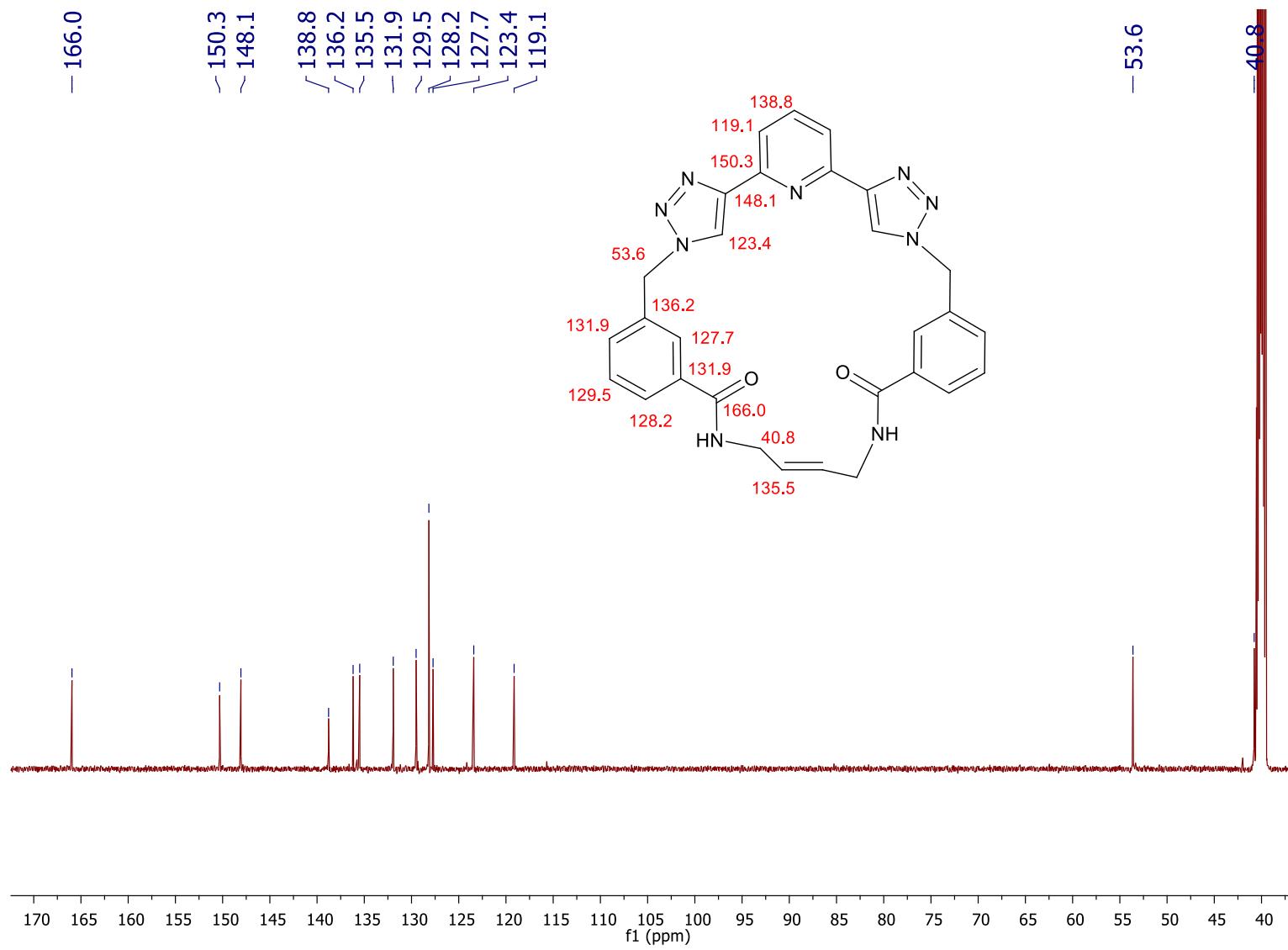


Figure S14: ^{13}C NMR (151 MHz, $\text{DMSO}-d_6$) spectra of **btp** ligand **10**.

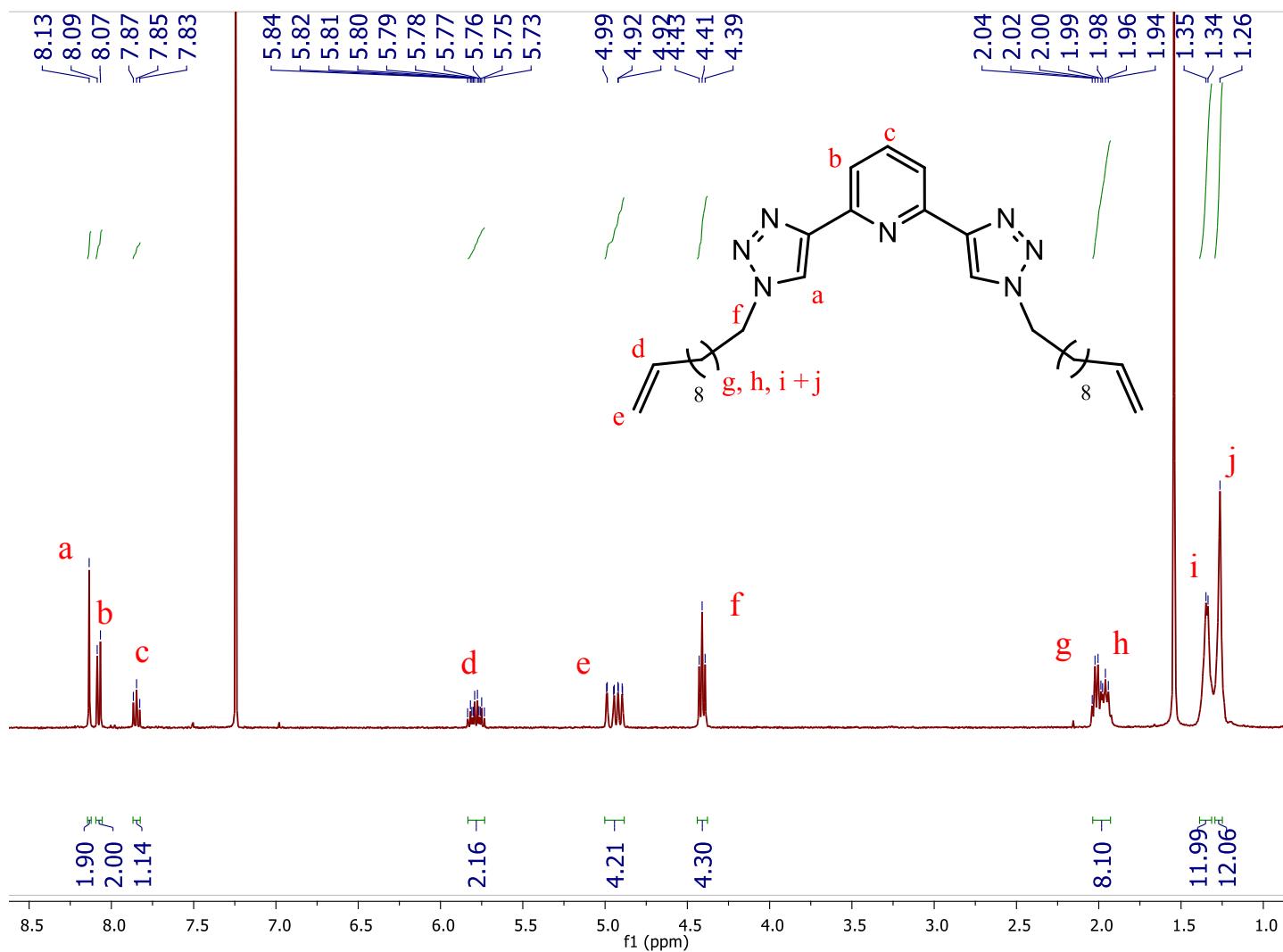


Figure S15: ^1H NMR (400 MHz, CDCl_3) spectrum of btp ligand **11**.

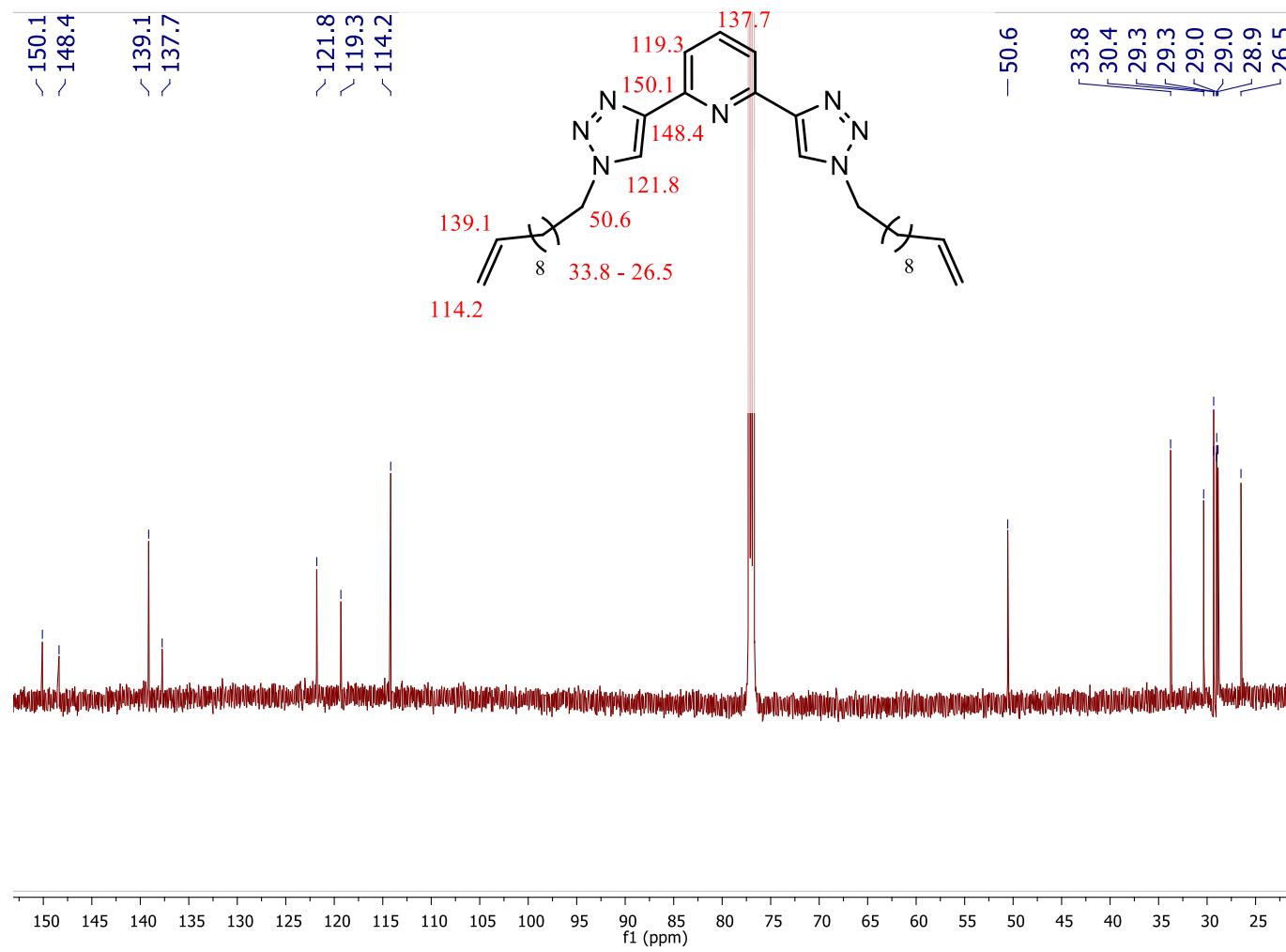


Figure S16: ^{13}C NMR (151 MHz, CDCl_3) spectra of **btp** ligand **11**.

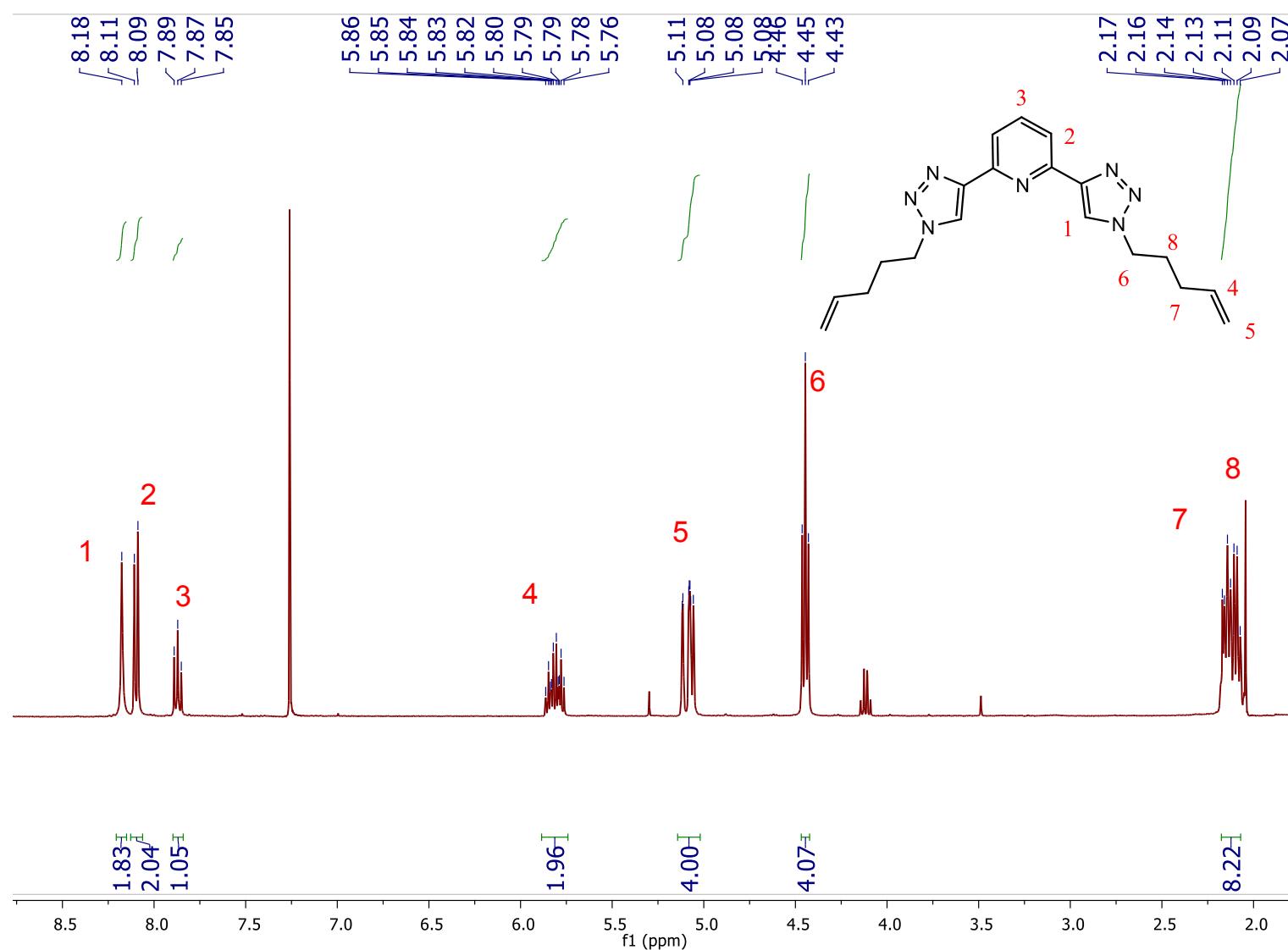


Figure S17: ^1H NMR (400 MHz, CDCl_3) spectrum of btp ligand **12**.

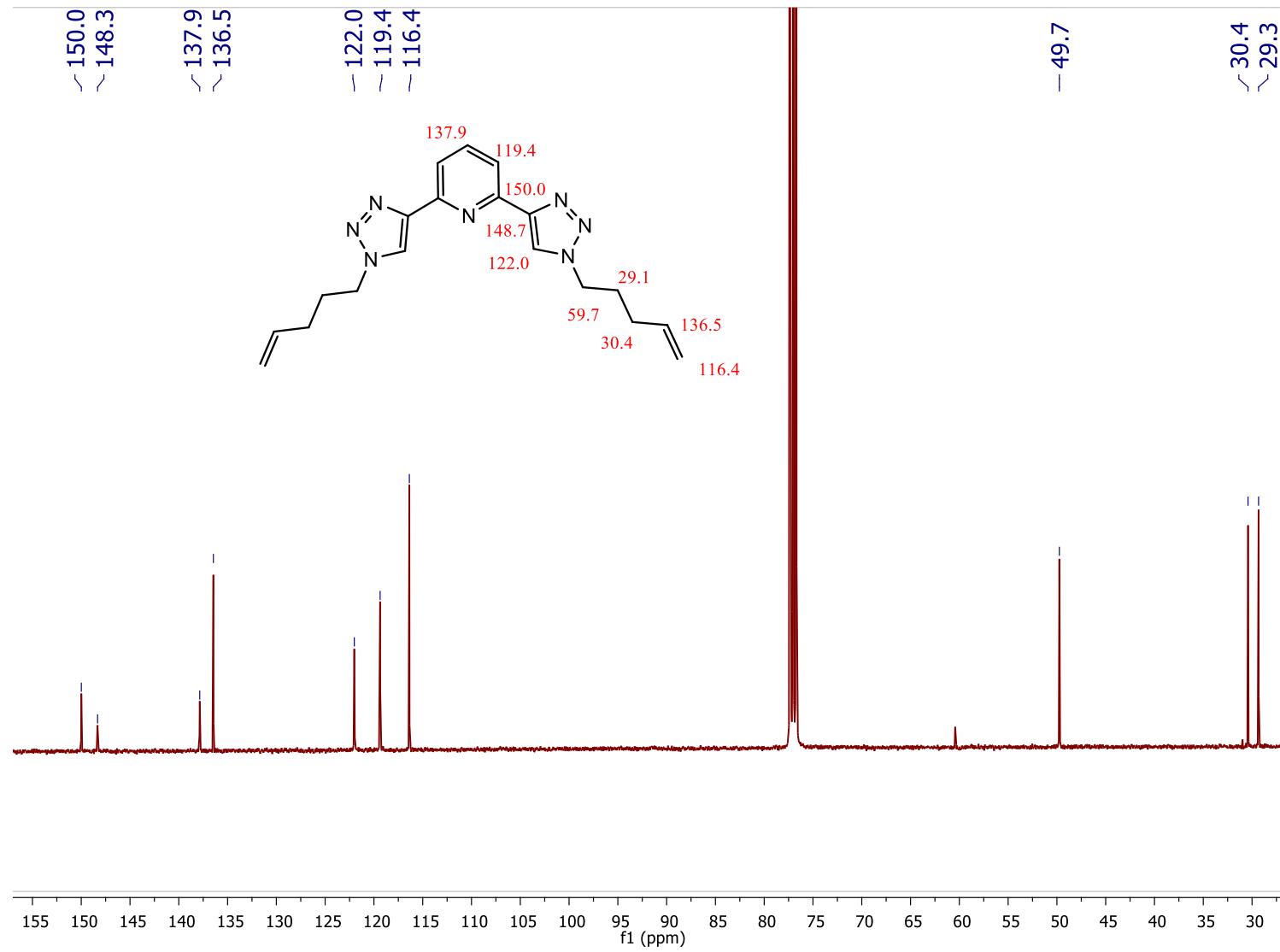


Figure S18: ^{13}C NMR (101 MHz, CDCl_3) spectra of btp ligand **12**

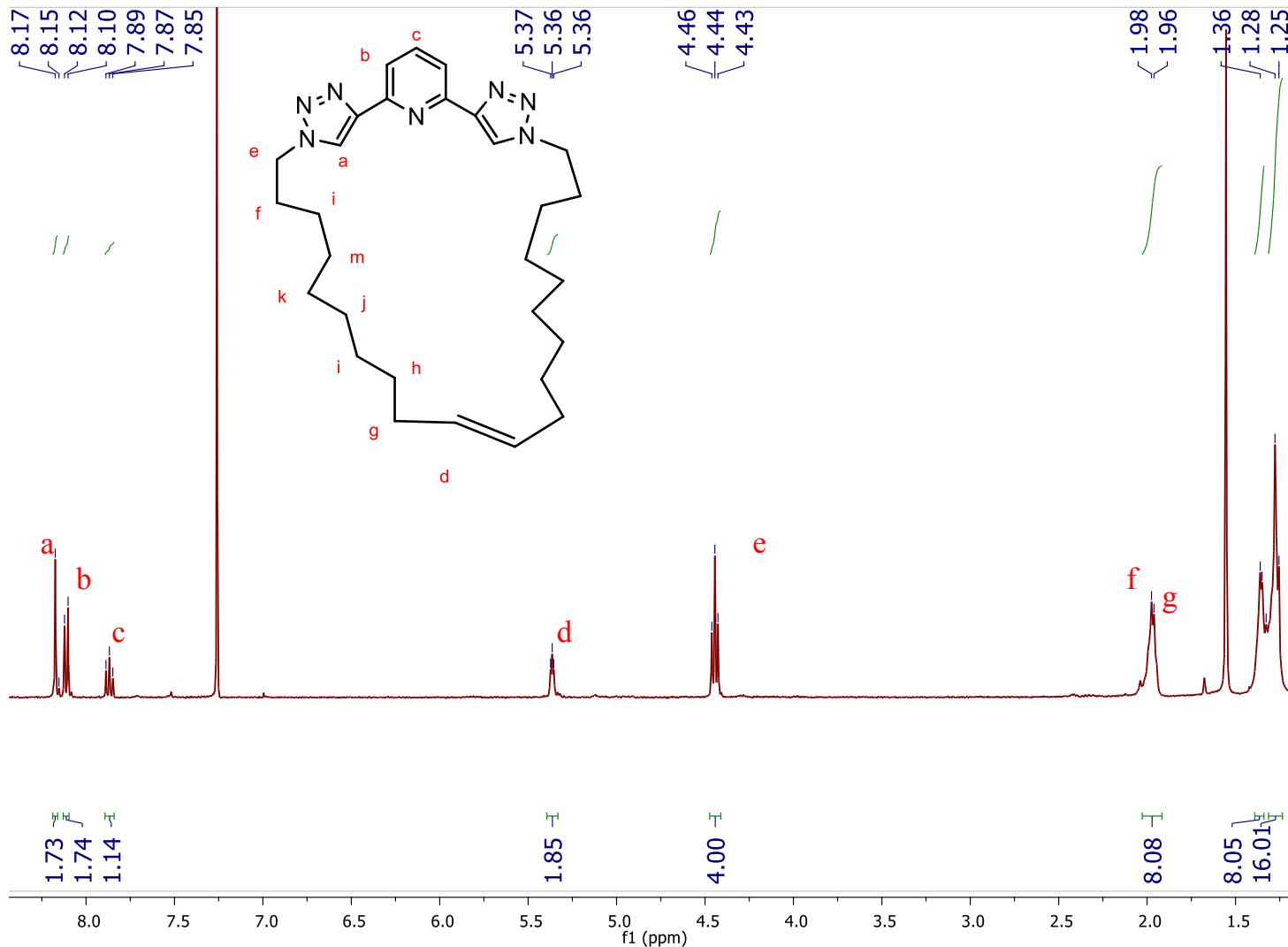


Figure S19: ^{13}H NMR (400 MHz, CDCl_3) spectra of btp ligand **13**.

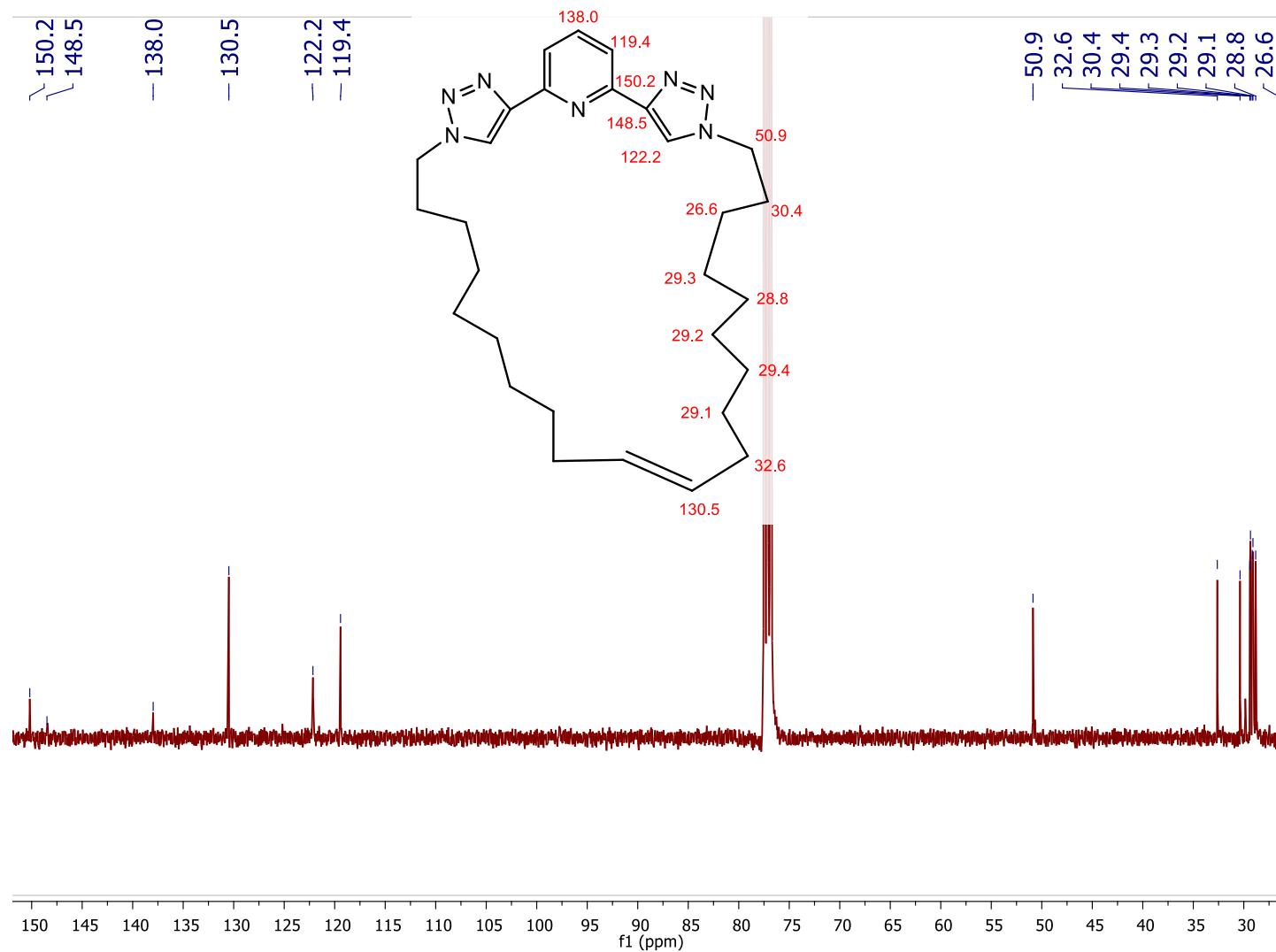


Figure S20: ^{13}C NMR (101 MHz, CDCl_3) spectra of **btp** ligand **13**.

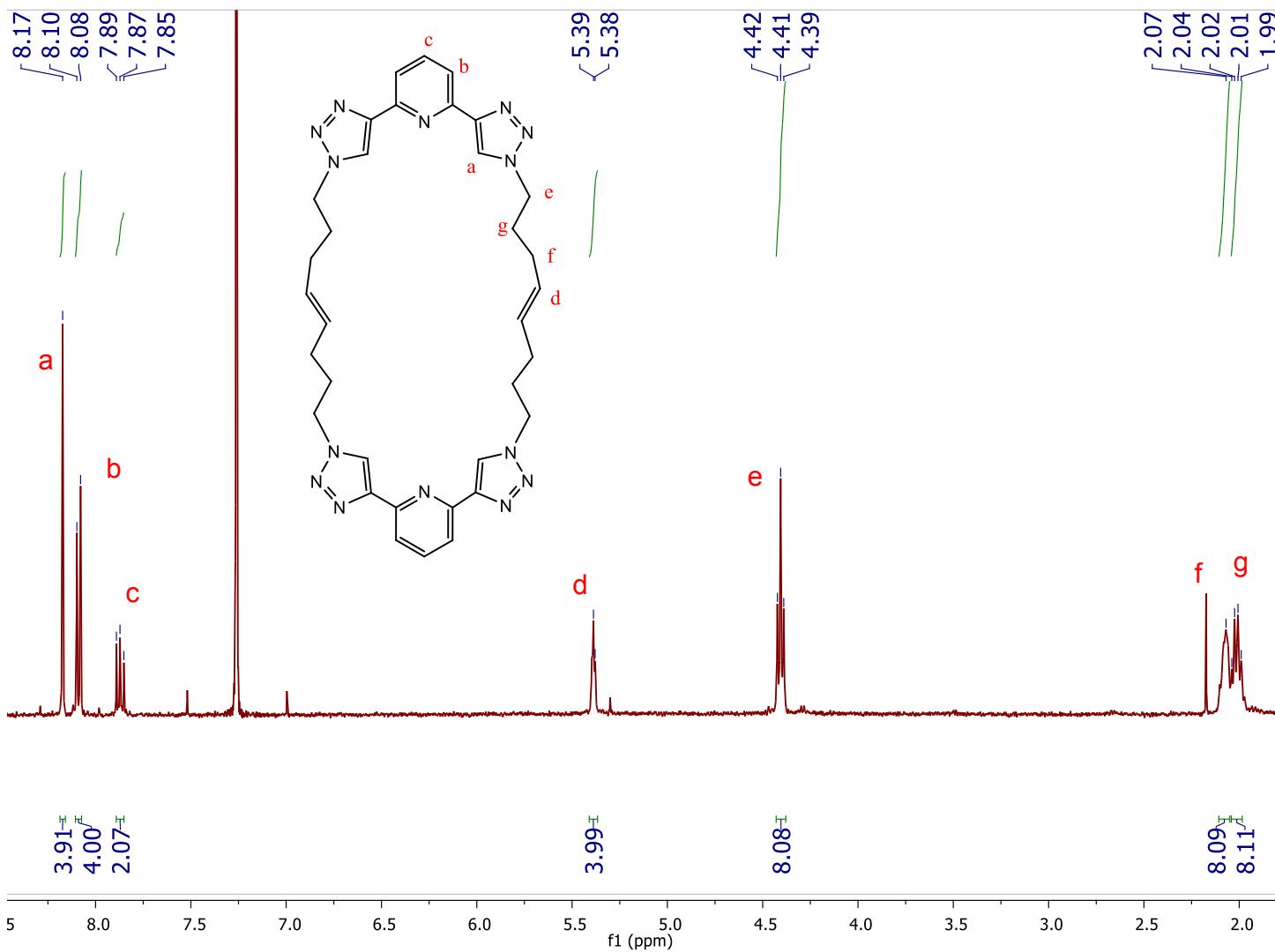


Figure S21: ^1H NMR (400 MHz, CDCl_3) spectra of **btp** ligand **15**.

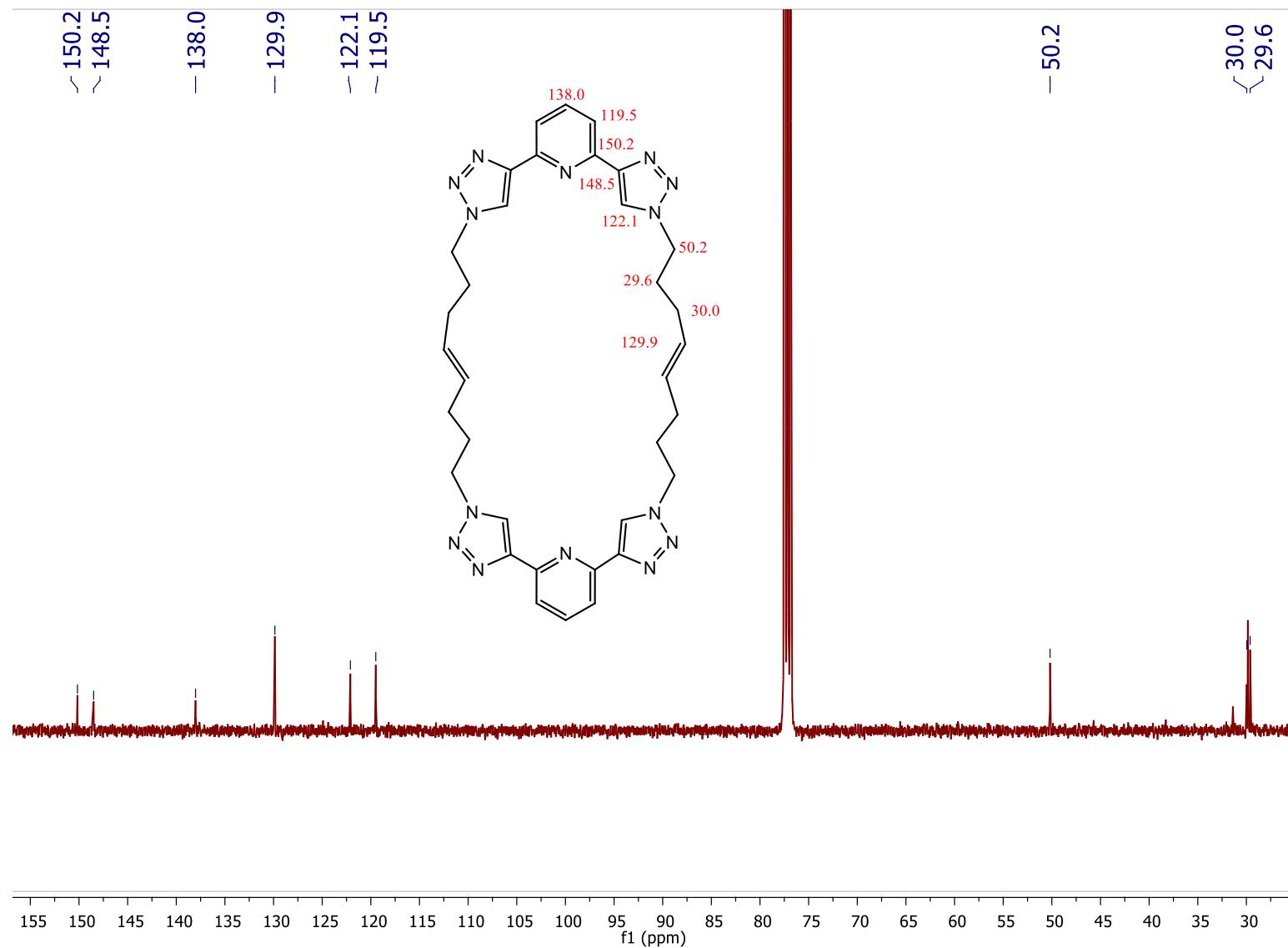


Figure S22: ^{13}C NMR (101 MHz, CDCl_3) spectrum of btp ligand 15.