

Copies of NMR spectra

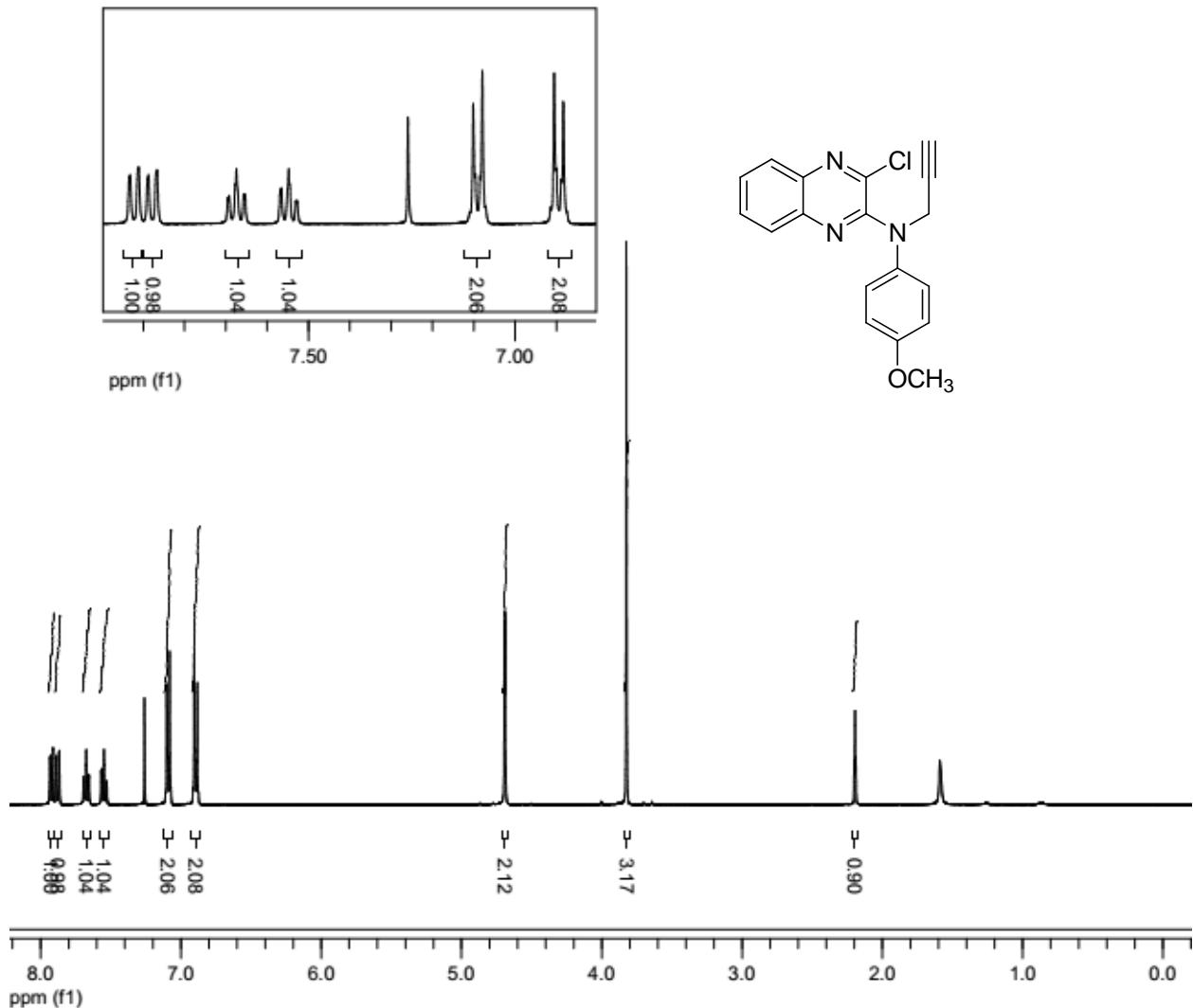


Fig. 1: ¹H NMR spectra of compound **5a** (CDCl_3 , 400 MHz)

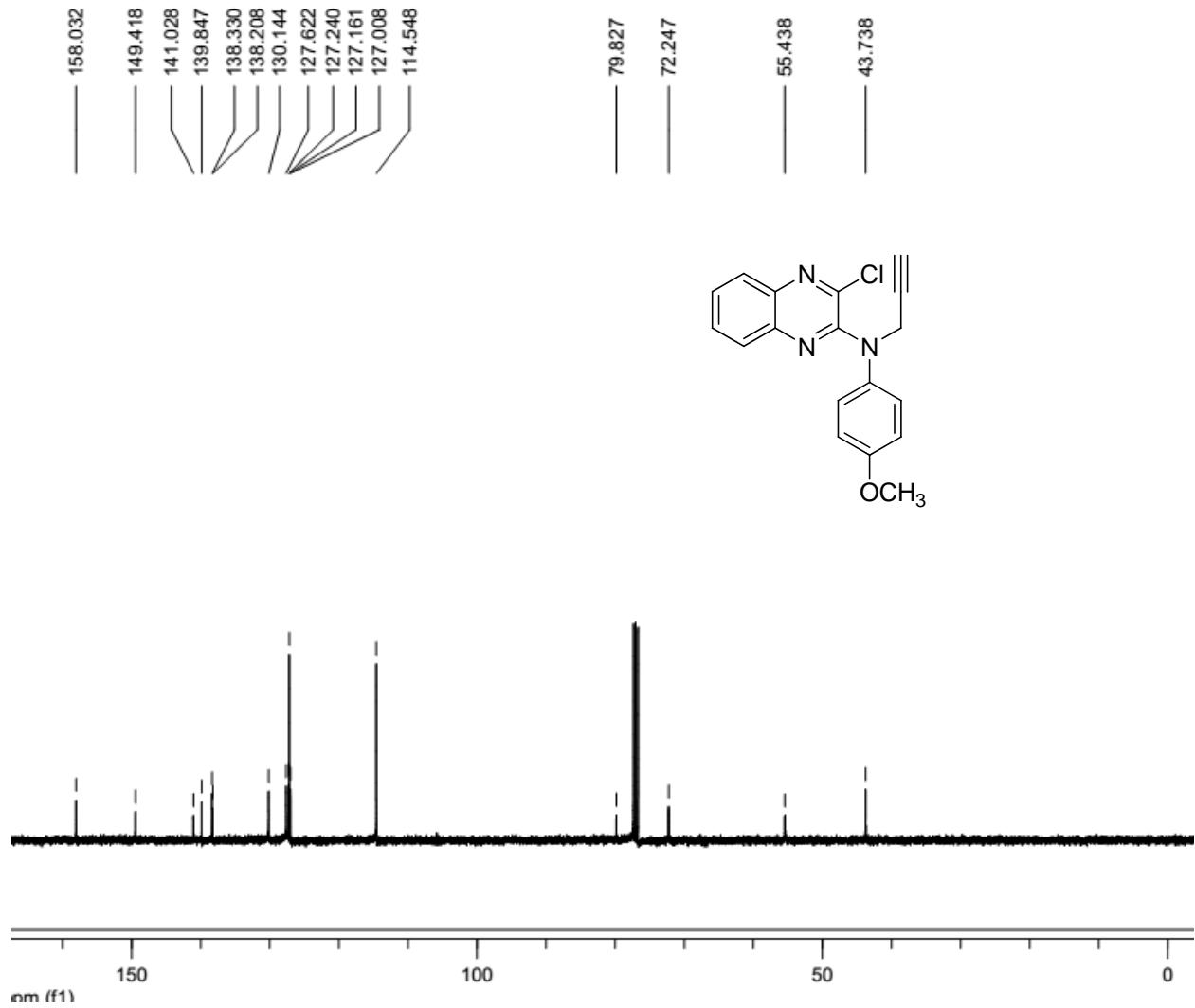


Fig. 2: ^{13}C NMR spectra of compound **5a** (CDCl_3 , 100 MHz)

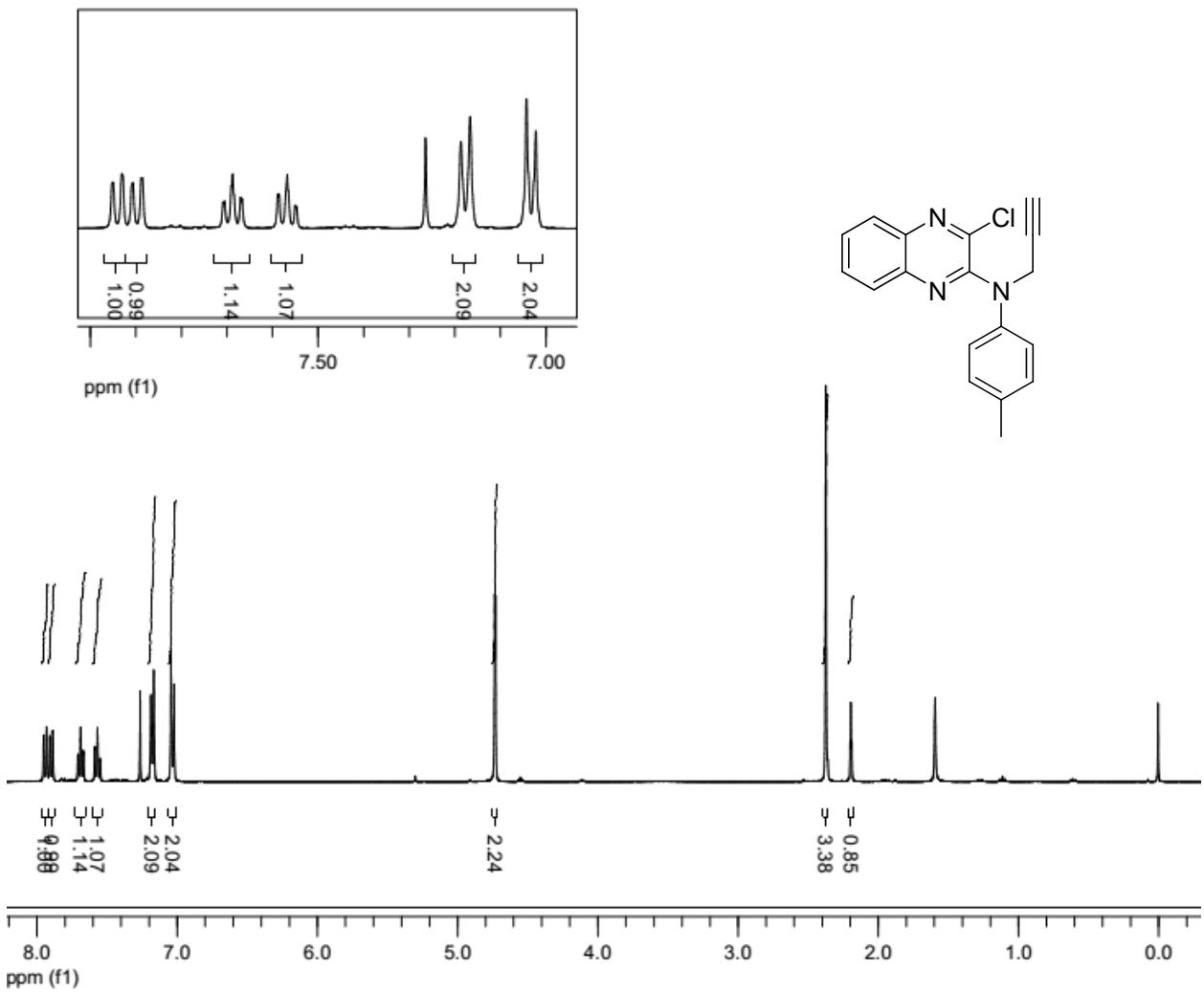


Fig. 3: ¹H NMR spectra of compound **5b** (CDCl_3 , 400 MHz)

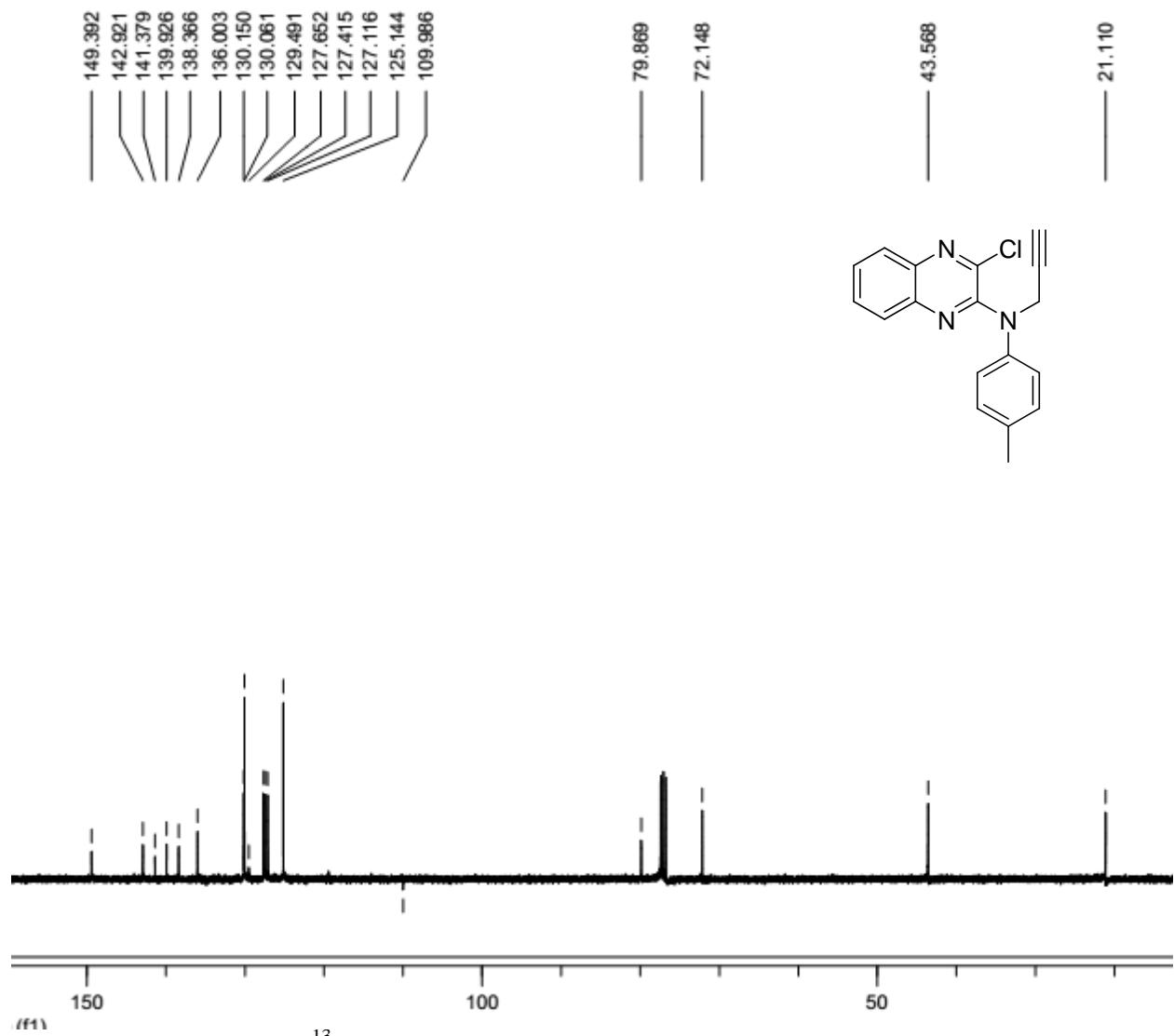


Fig. 4: ^{13}C NMR spectra of compound **5b** (CDCl_3 , 100 MHz)

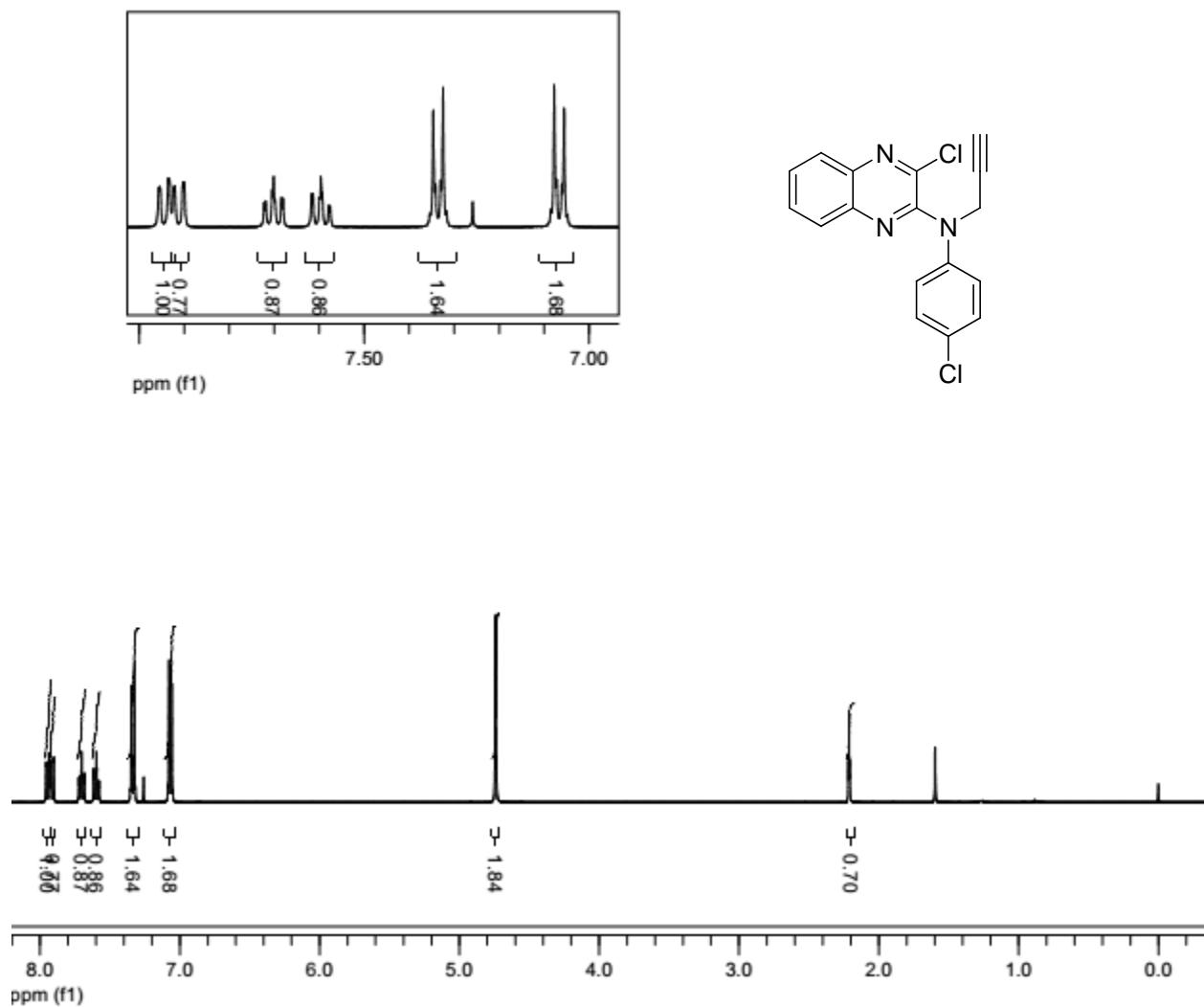


Fig. 5: ^1H NMR spectra of compound **5c** (CDCl_3 , 400 MHz)

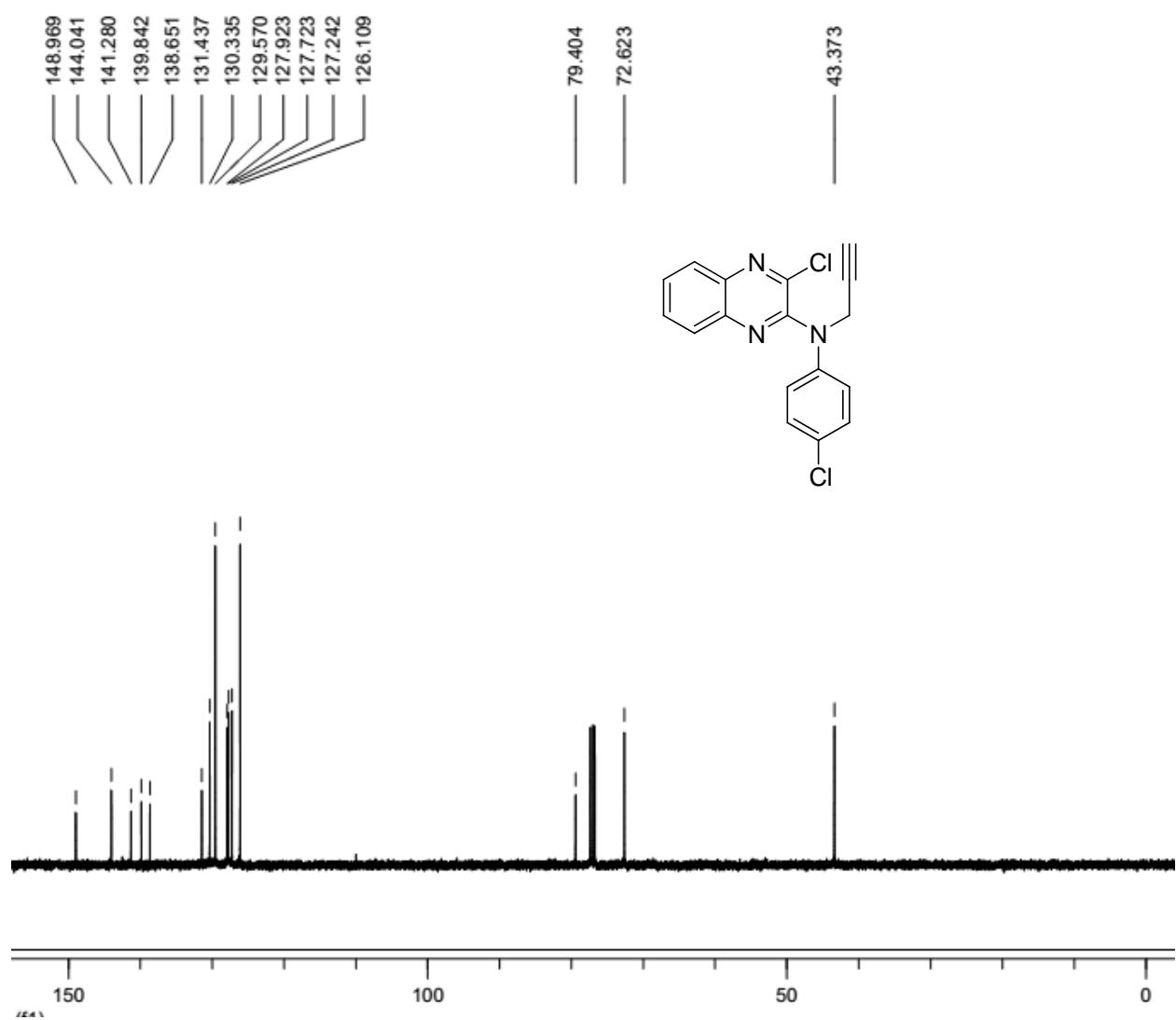


Fig. 6: ^{13}C NMR spectra of compound **5c** (CDCl_3 , 100 MHz)

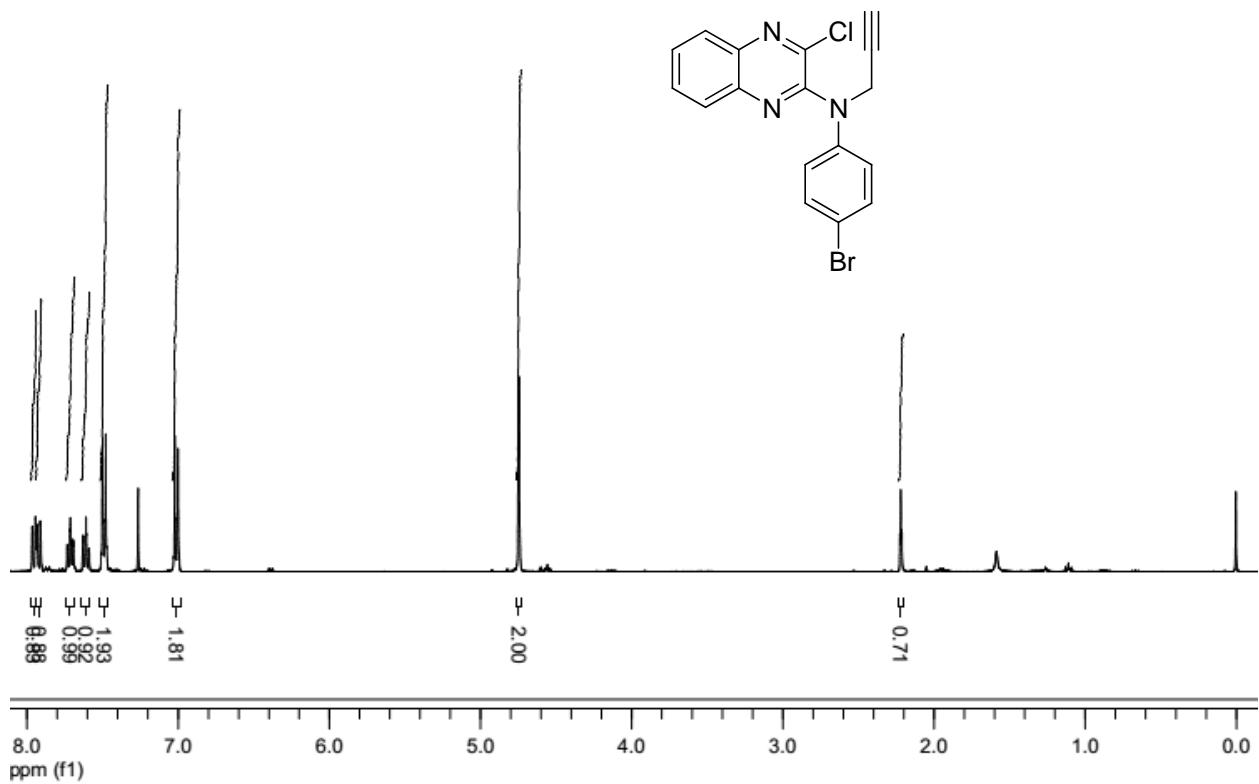


Fig. 7: ^1H NMR spectra of compound **5d** (CDCl_3 , 400 MHz)

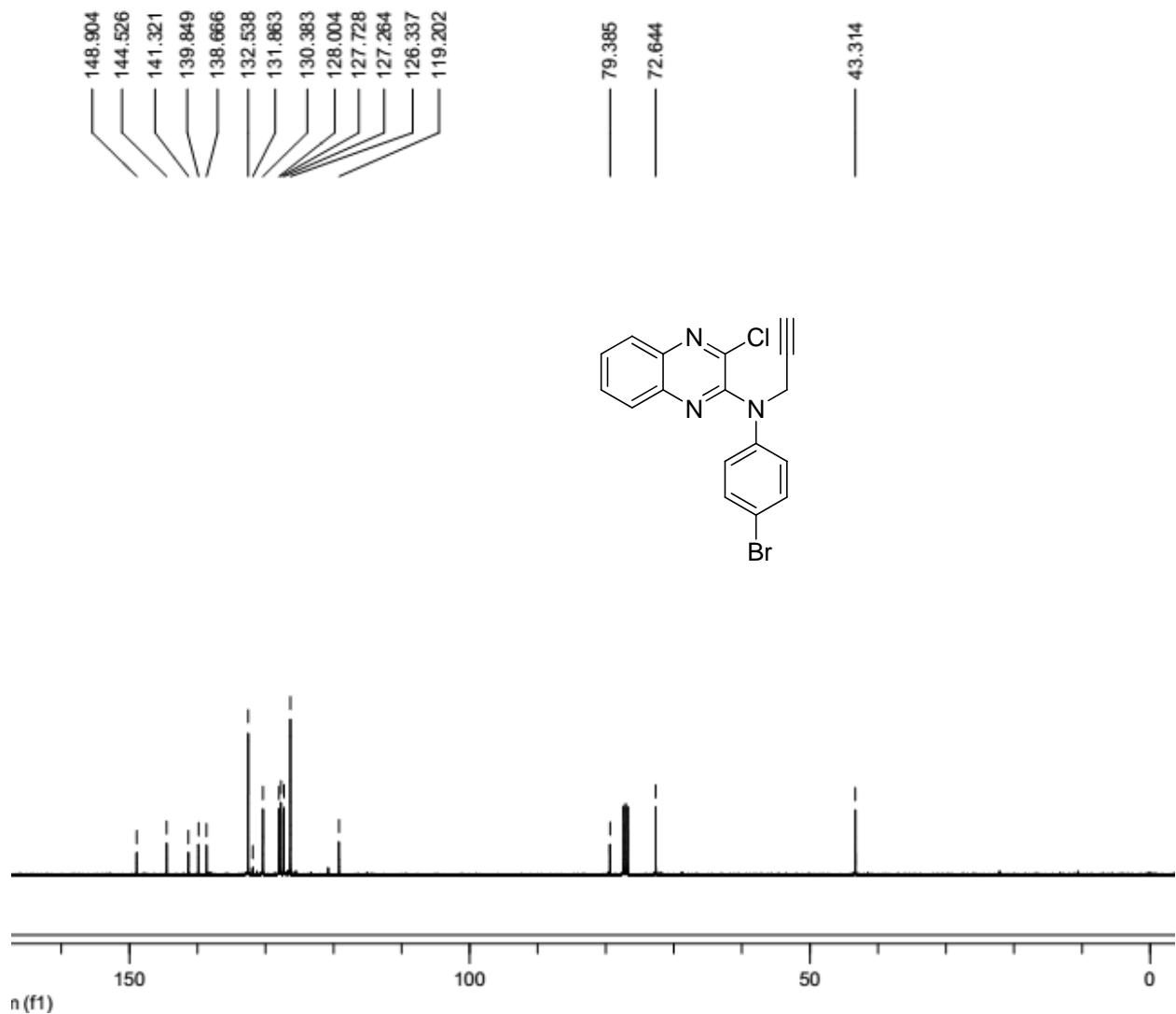


Fig. 8: ^{13}C NMR spectra of compound **5d** (CDCl₃, 100 MHz)

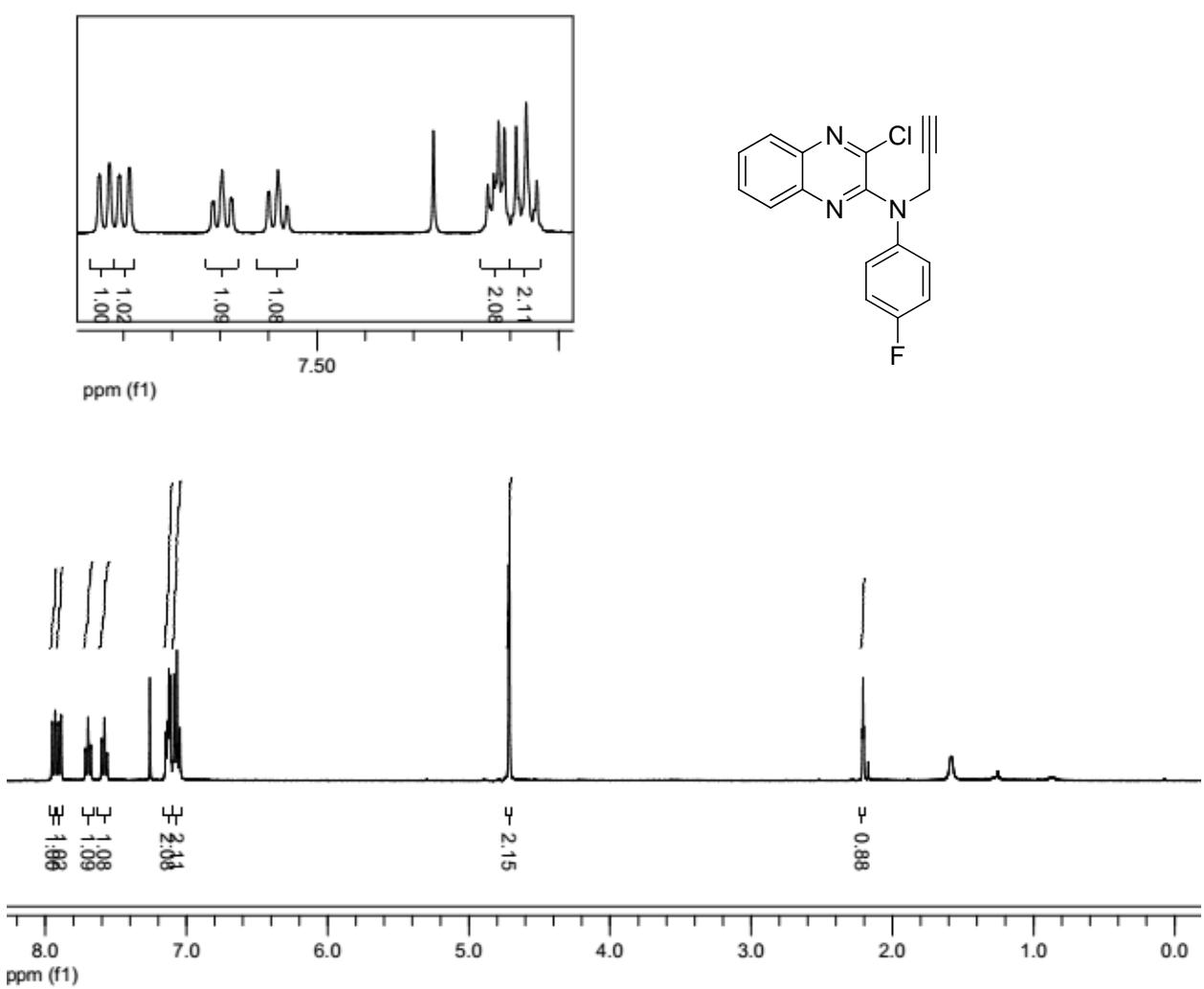


Fig. 9: ¹H NMR spectra of compound **5e** (CDCl_3 , 400 MHz)

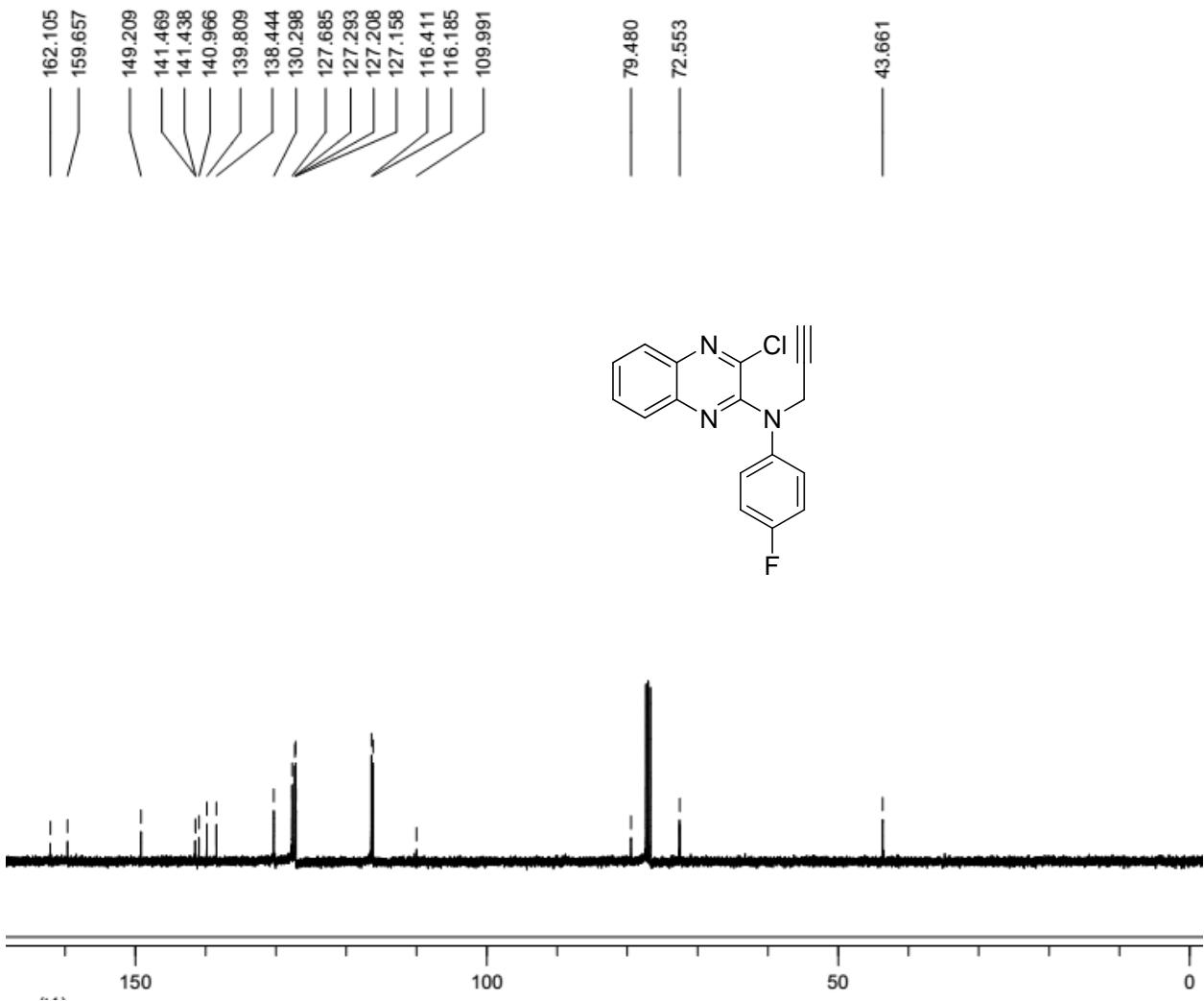


Fig. 10: ^{13}C NMR spectra of compound **5e** (CDCl_3 , 100 MHz)

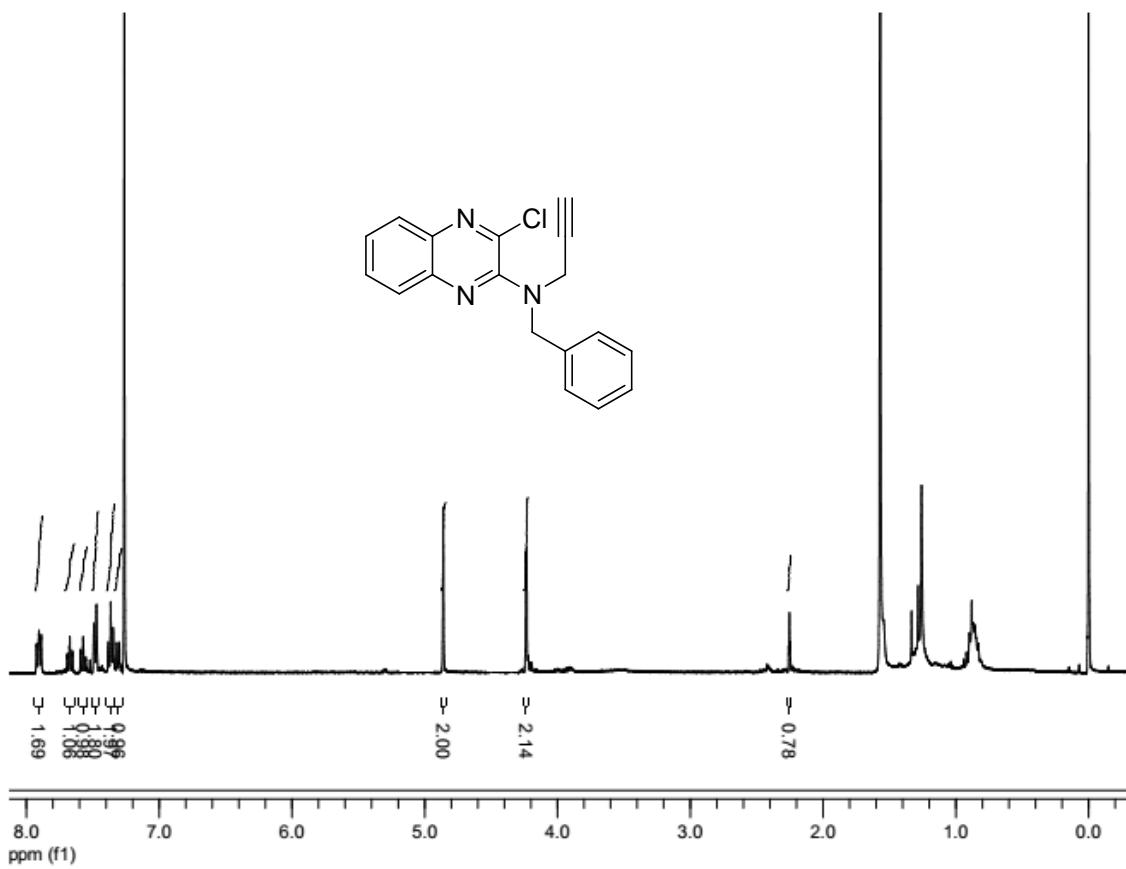


Fig. 11: ^1H NMR spectra of compound **5f** (CDCl_3 , 400 MHz)

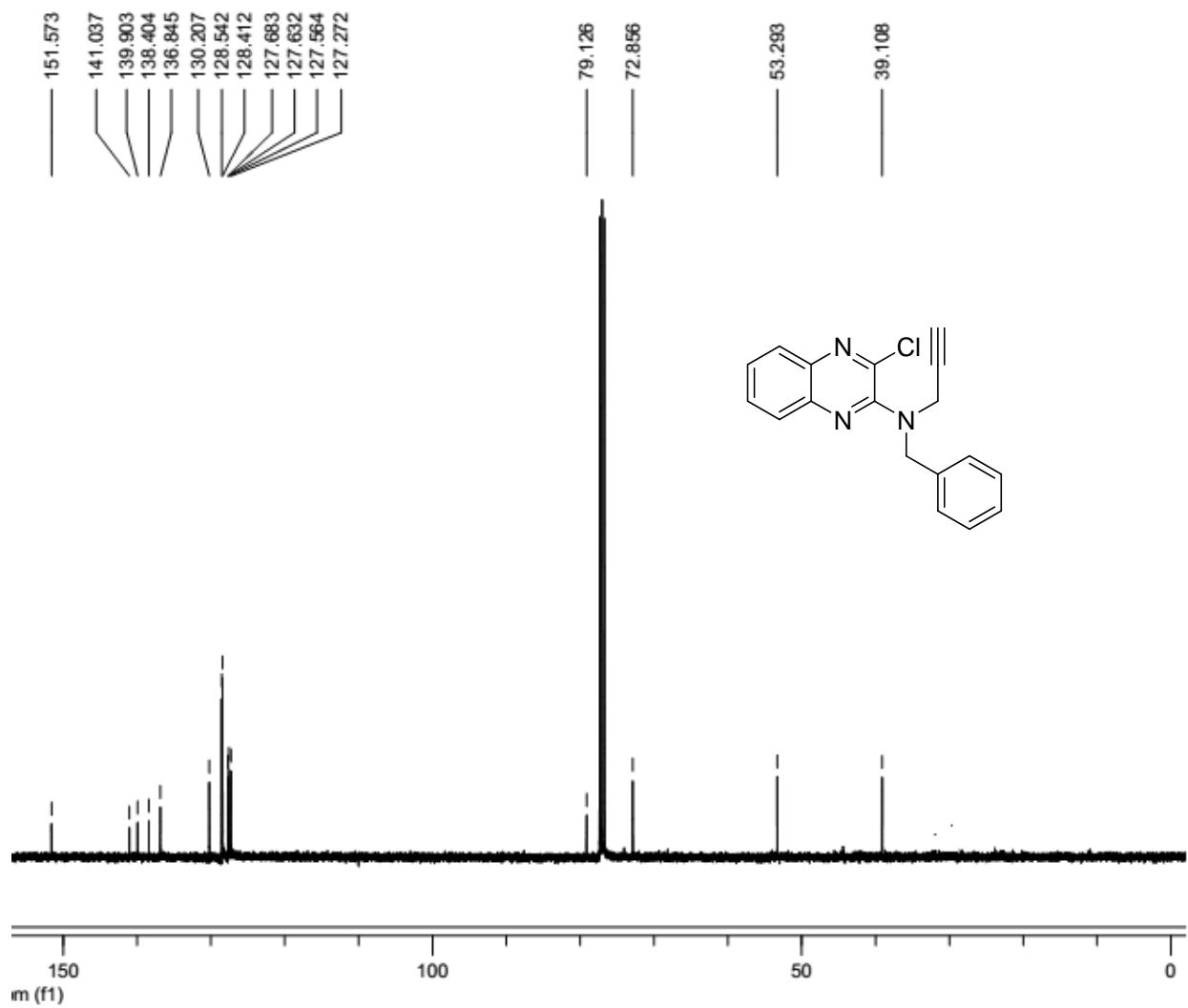


Fig.12: ^{13}C NMR spectra of compound **5f** (CDCl_3 , 100 MHz)

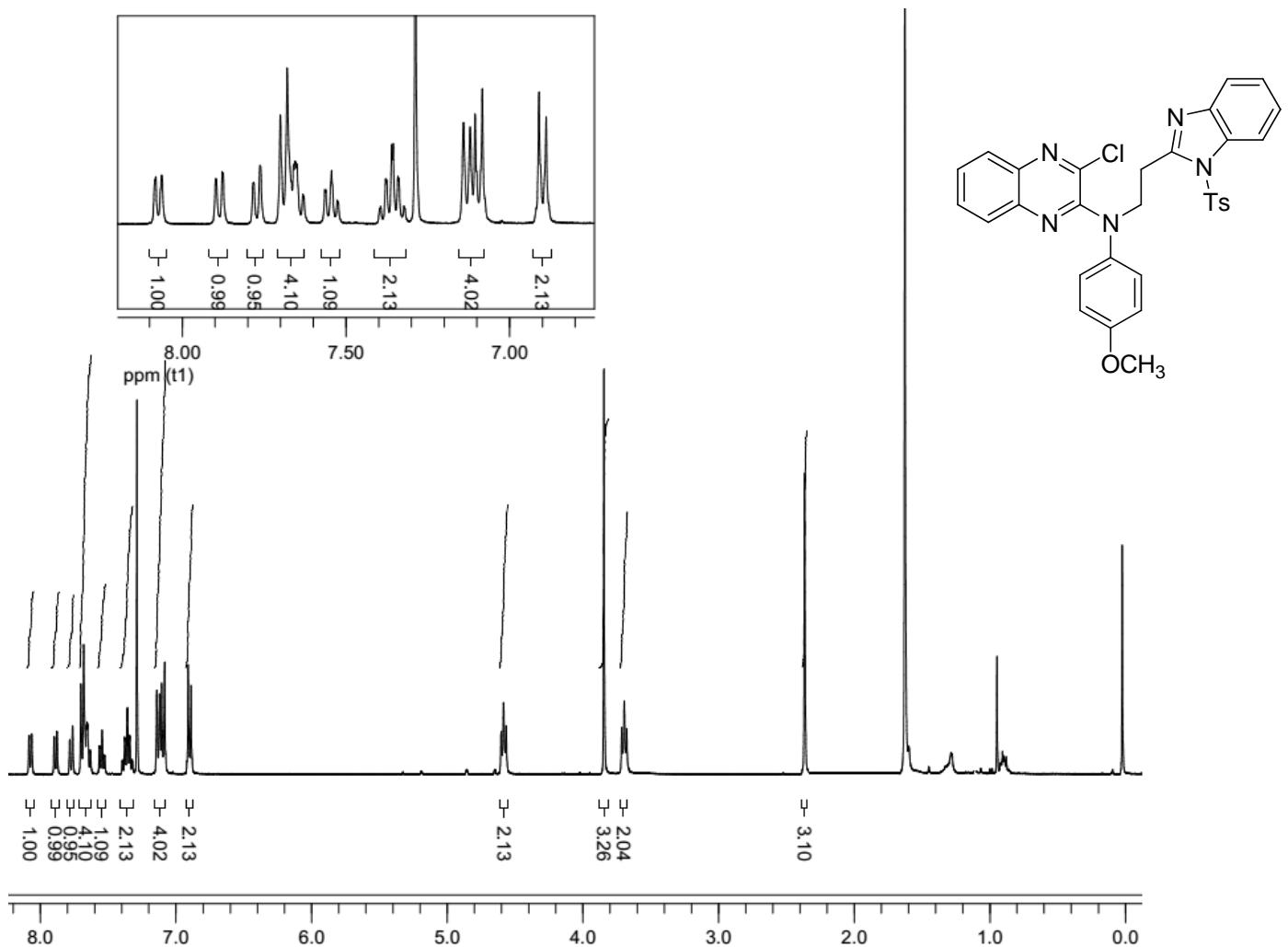


Fig. 13: ^1H NMR spectra of compound **7a** (CDCl_3 , 400 MHz)

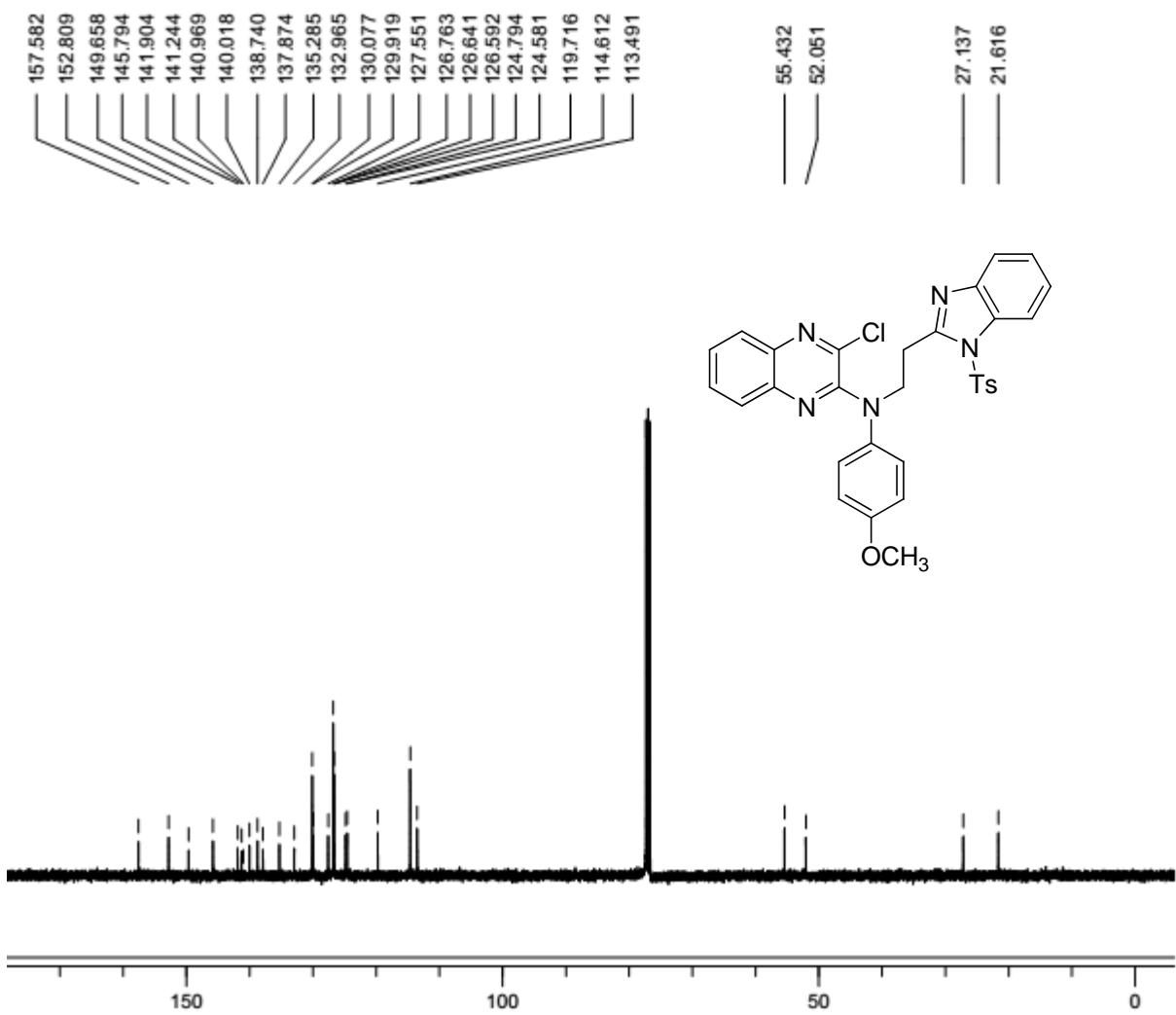


Fig. 14: ^{13}C NMR spectra of compound **7a** (CDCl_3 , 100 MHz)

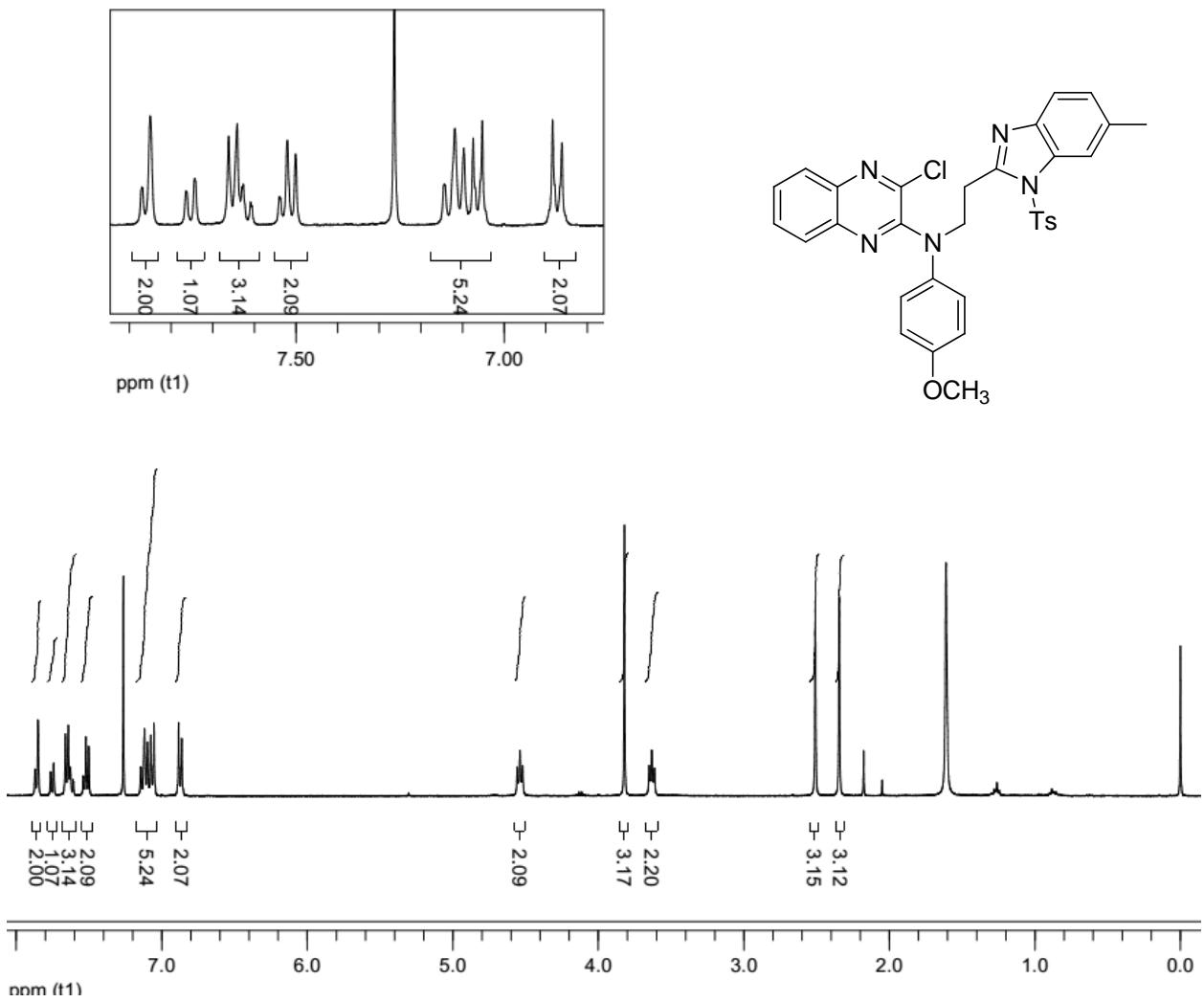


Fig. 15: ^1H NMR spectra of compound **7b** (CDCl_3 , 400 MHz)

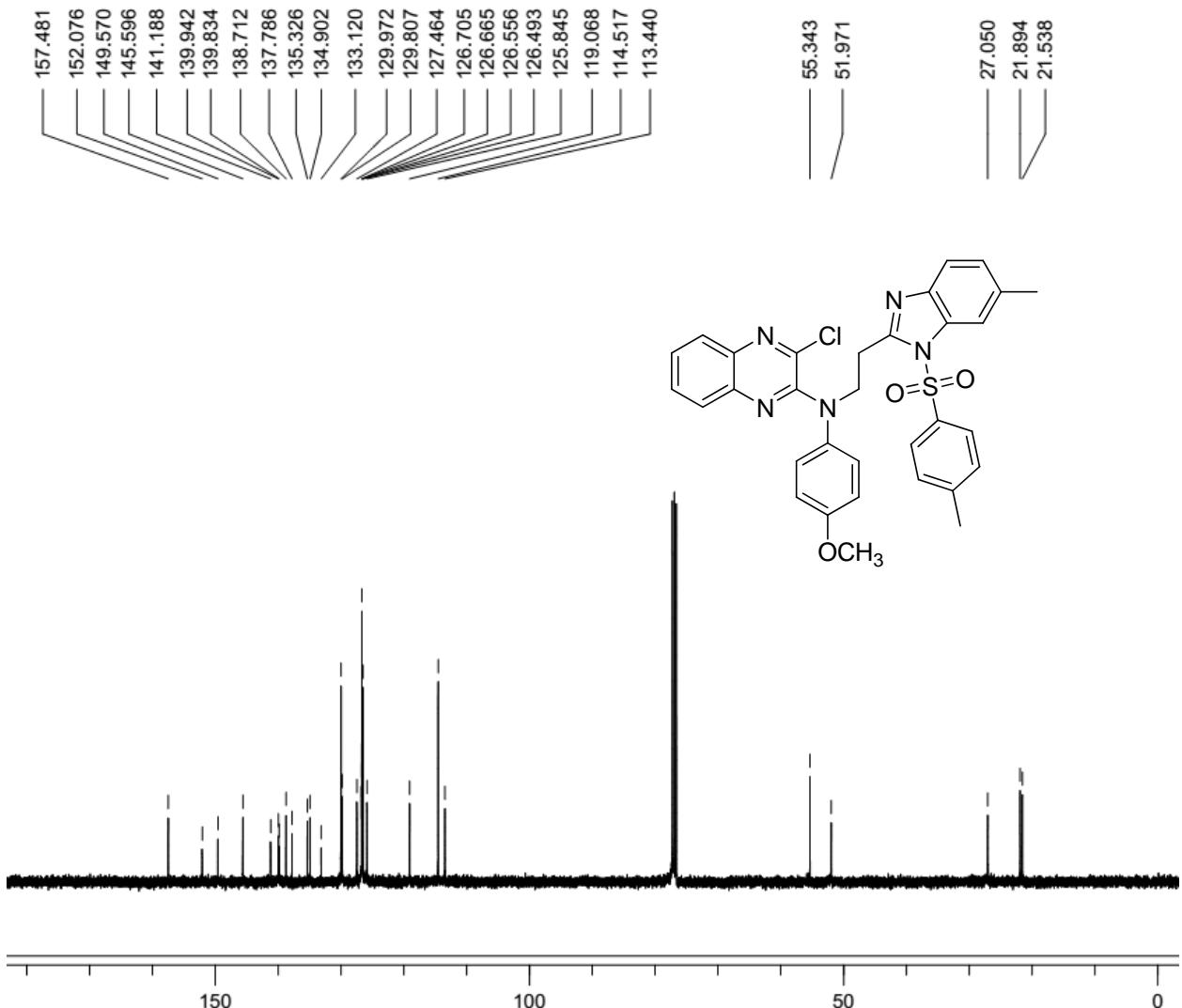


Fig. 16: ^{13}C NMR spectra of compound **7b** (CDCl_3 , 100 MHz)

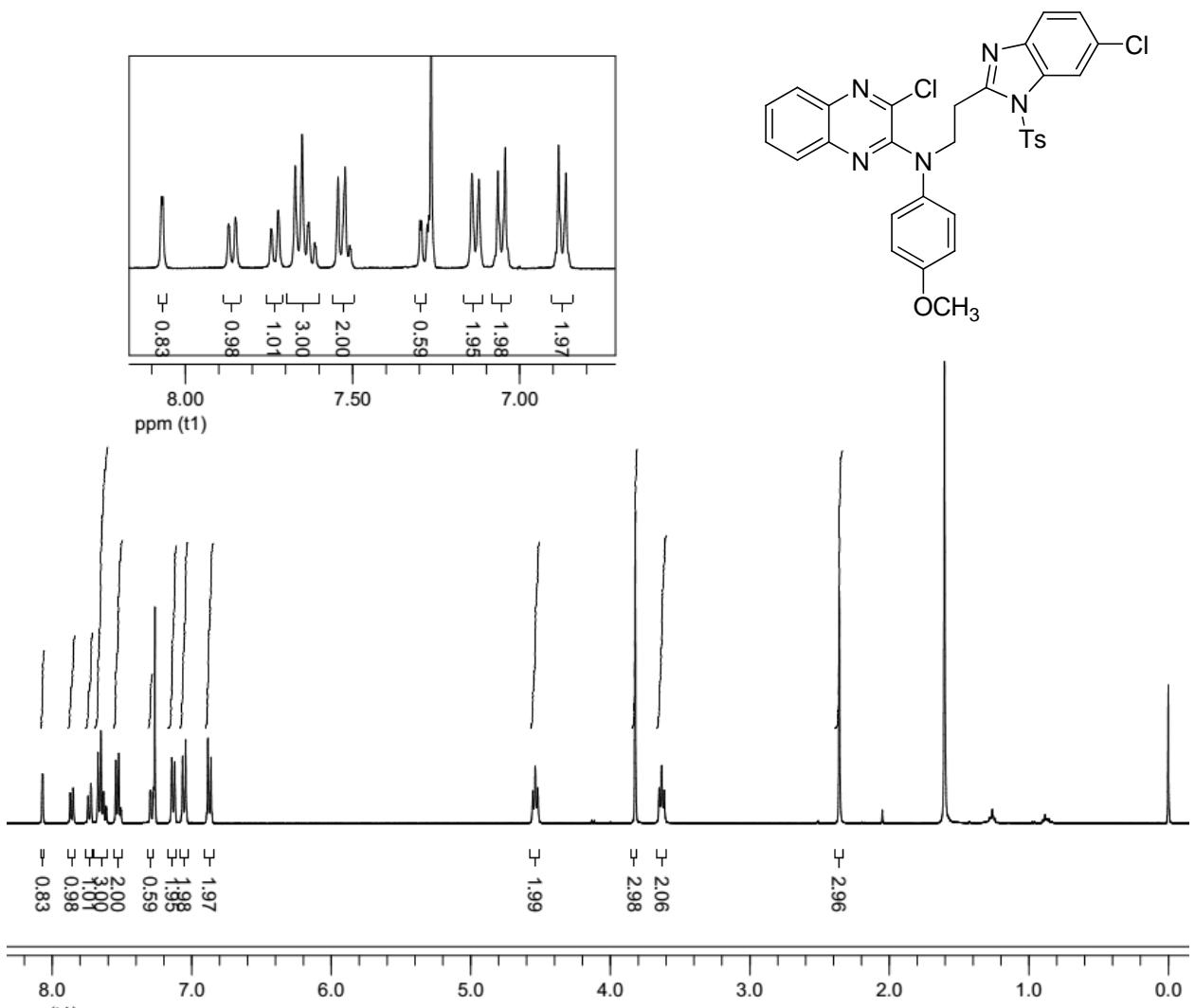


Fig. 17: ¹H NMR spectra of compound **7c** (CDCl₃, 400 MHz)

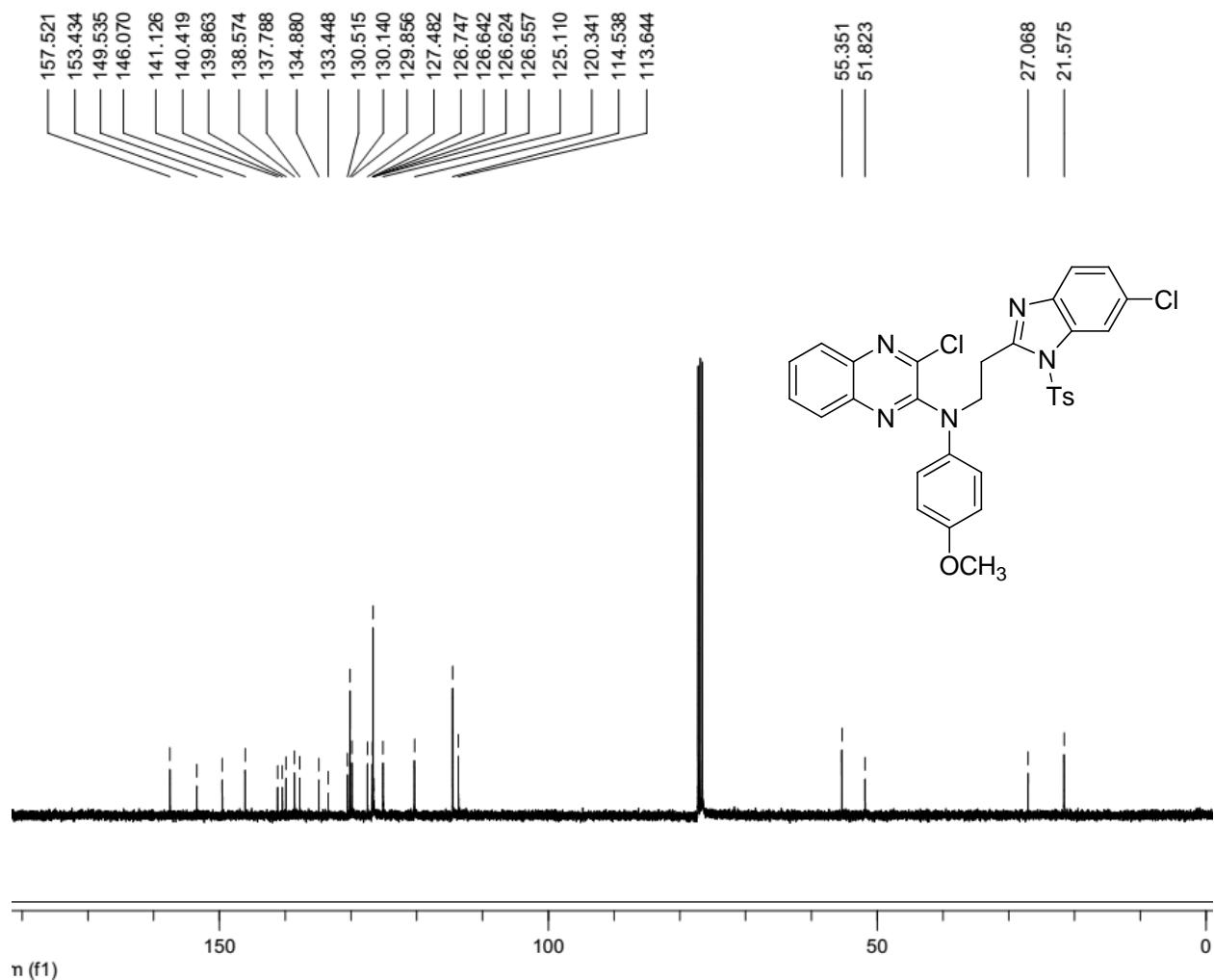


Fig. 18: ^{13}C NMR spectra of compound **7c** (CDCl_3 , 100 MHz)

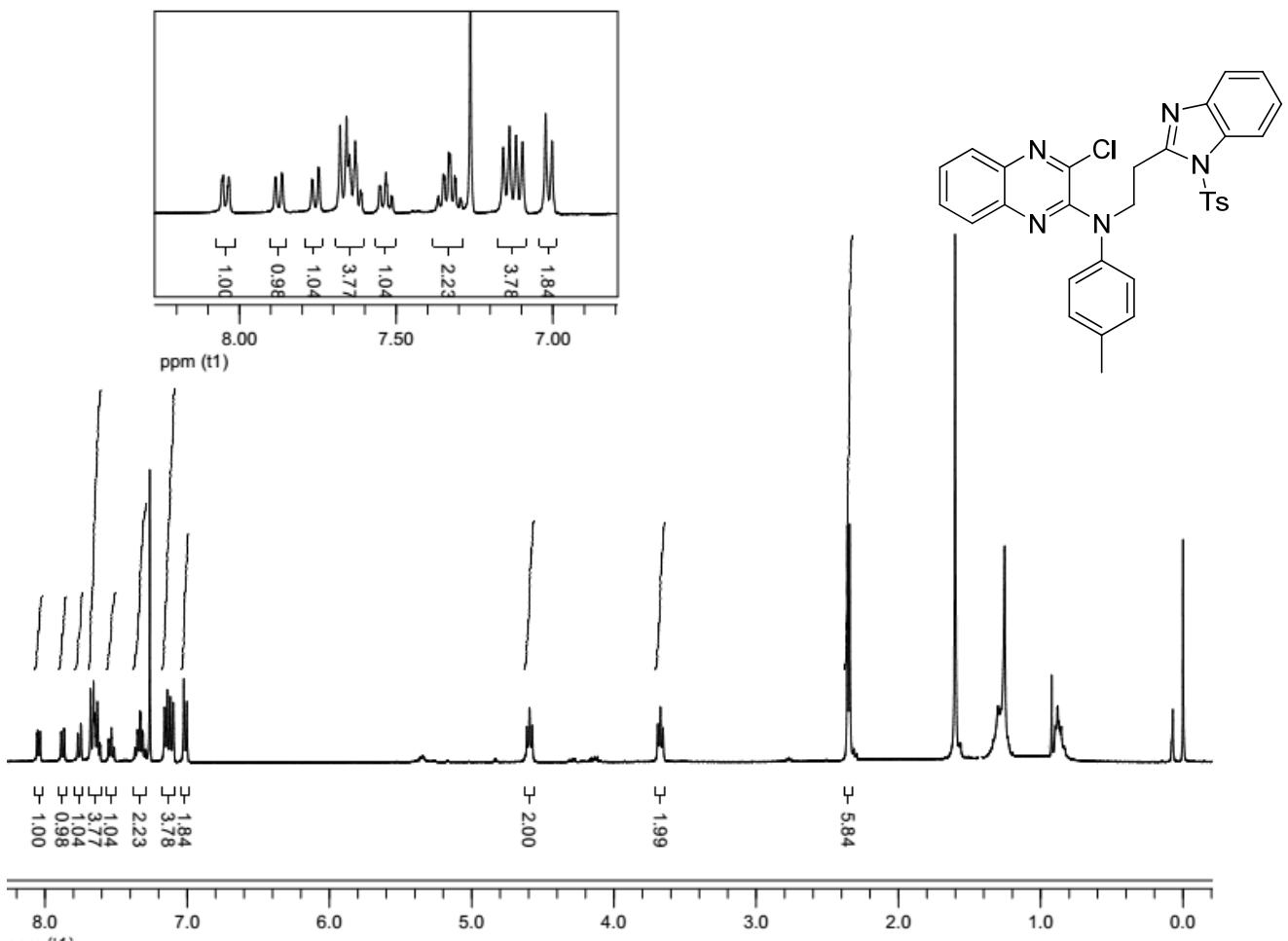


Fig. 19: ^1H NMR spectra of compound **7d** (CDCl_3 , 400 MHz)

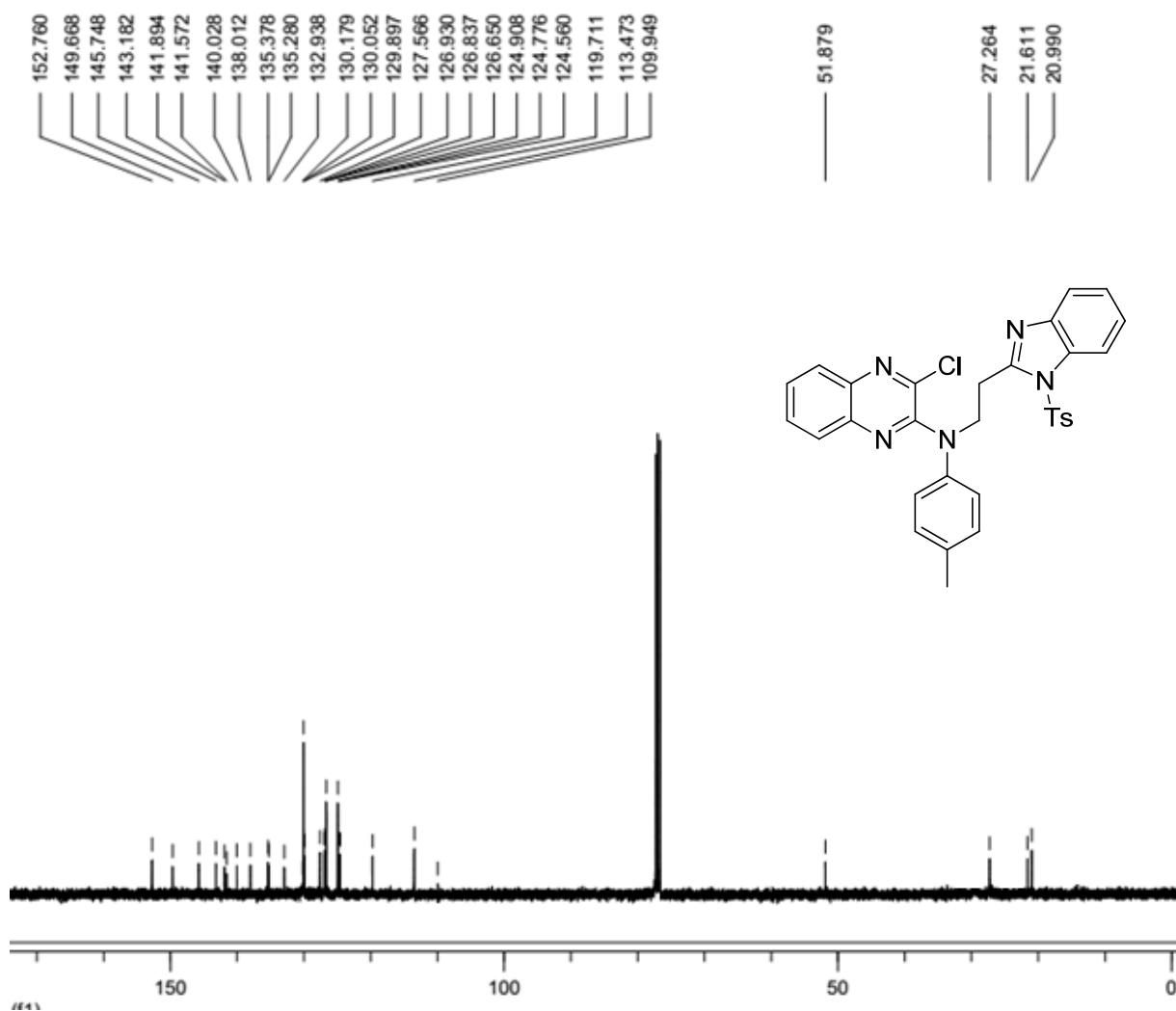


Fig. 20: ^{13}C NMR spectra of compound **7d** (CDCl_3 , 100 MHz)

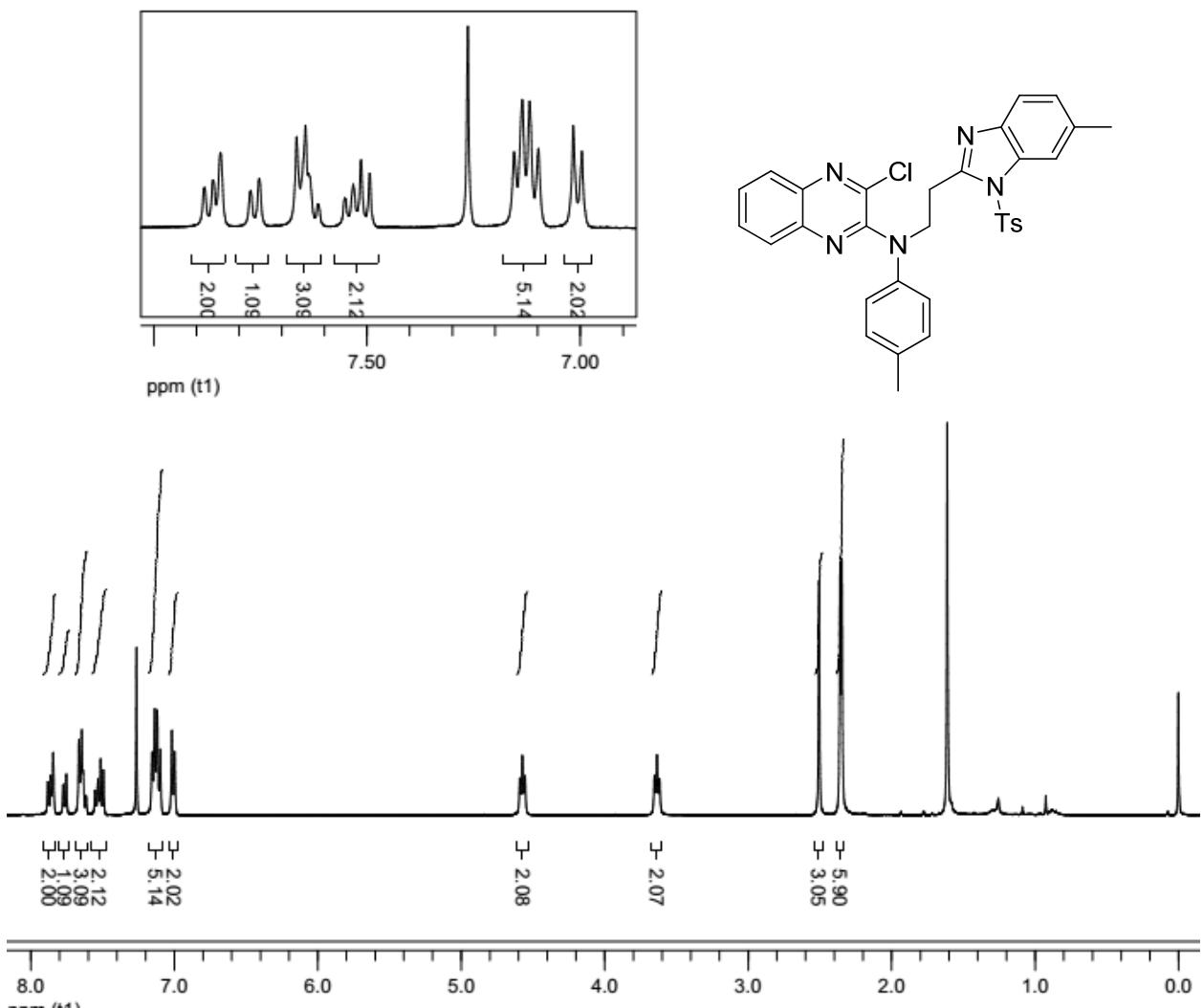


Fig. 21: ^1H NMR spectra of compound **7e** (CDCl_3 , 400 MHz)

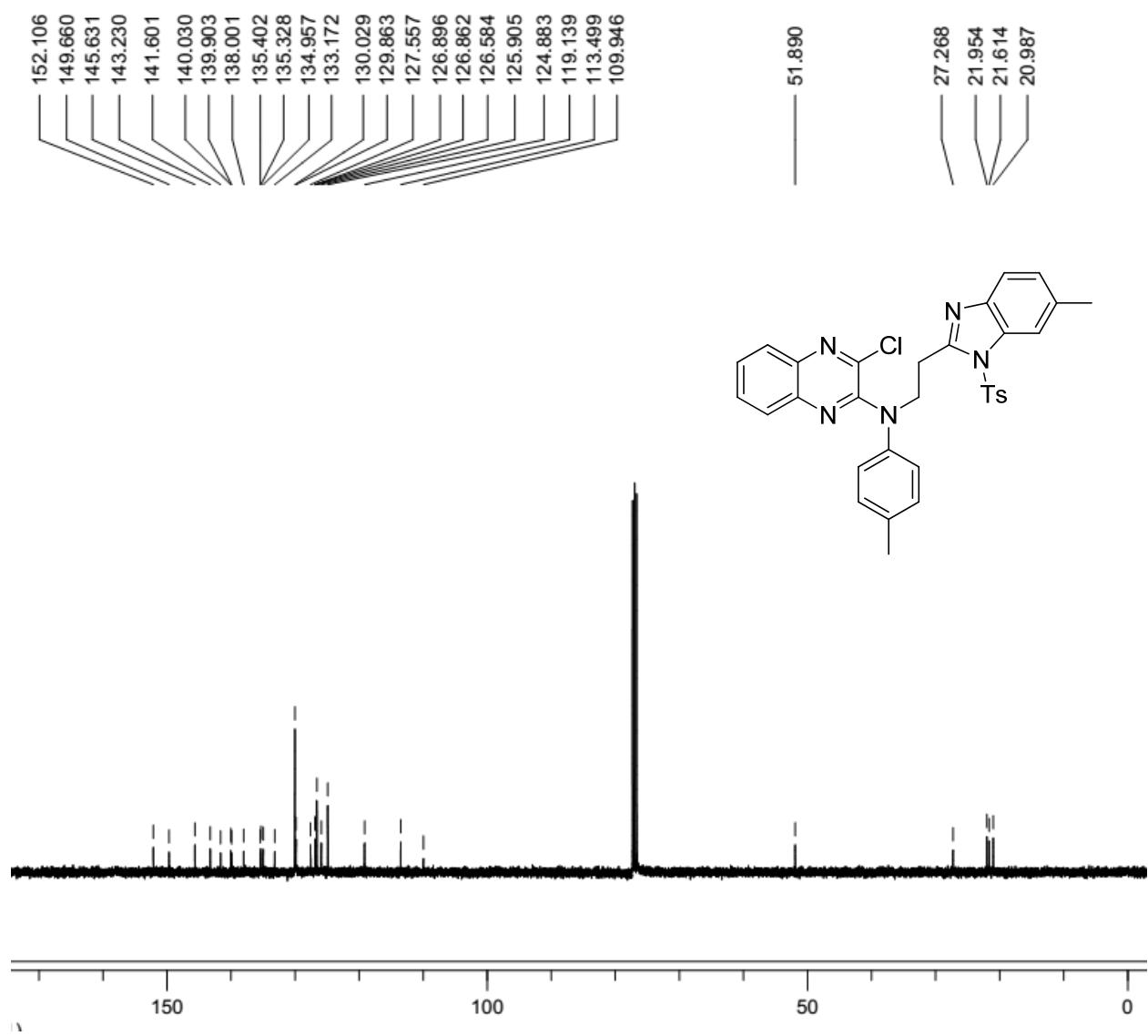


Fig. 22: ^{13}C NMR spectra of compound **7e** (CDCl_3 , 100 MHz)

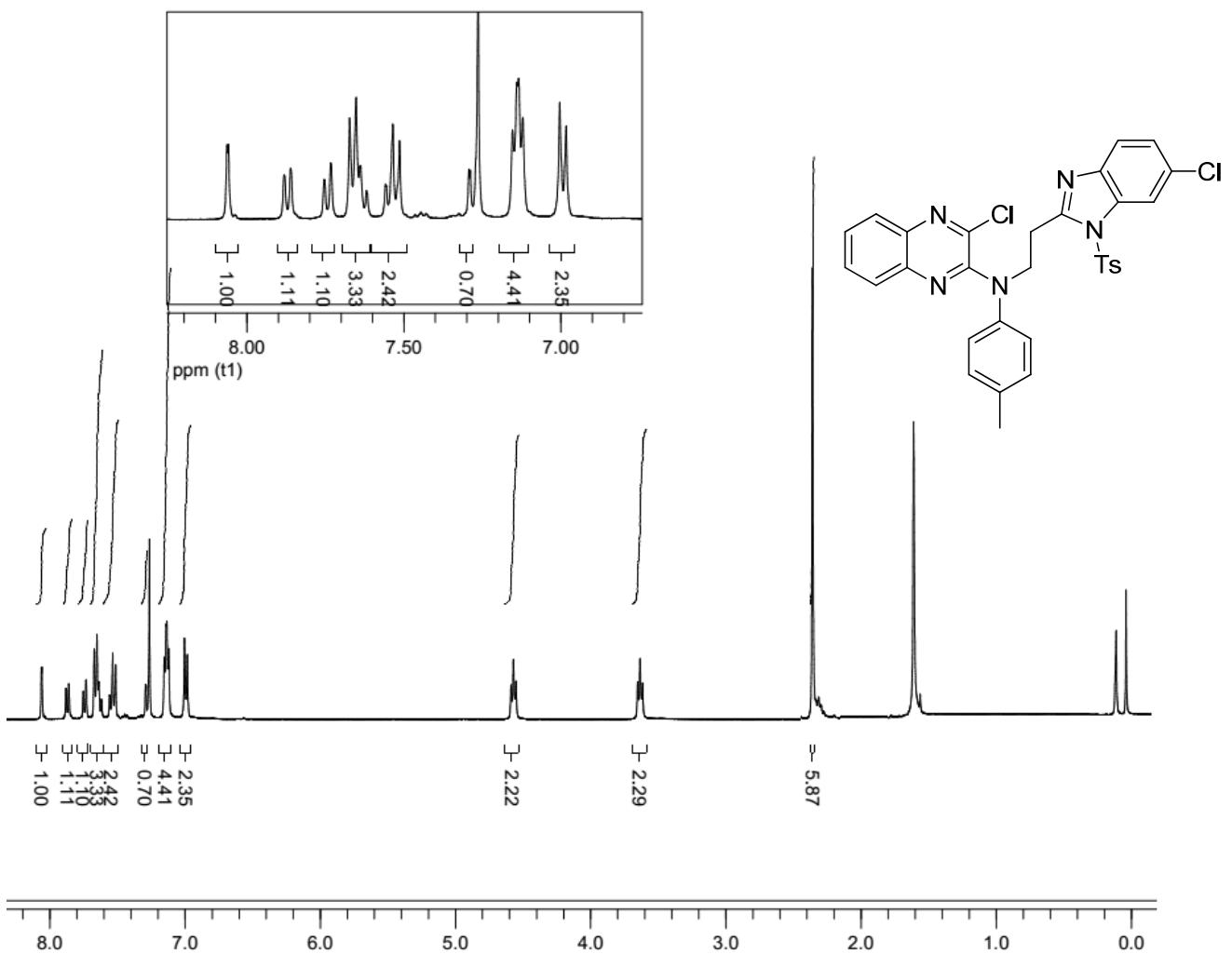


Fig. 23: ^1H NMR spectra of compound **7f** (CDCl_3 , 400 MHz)

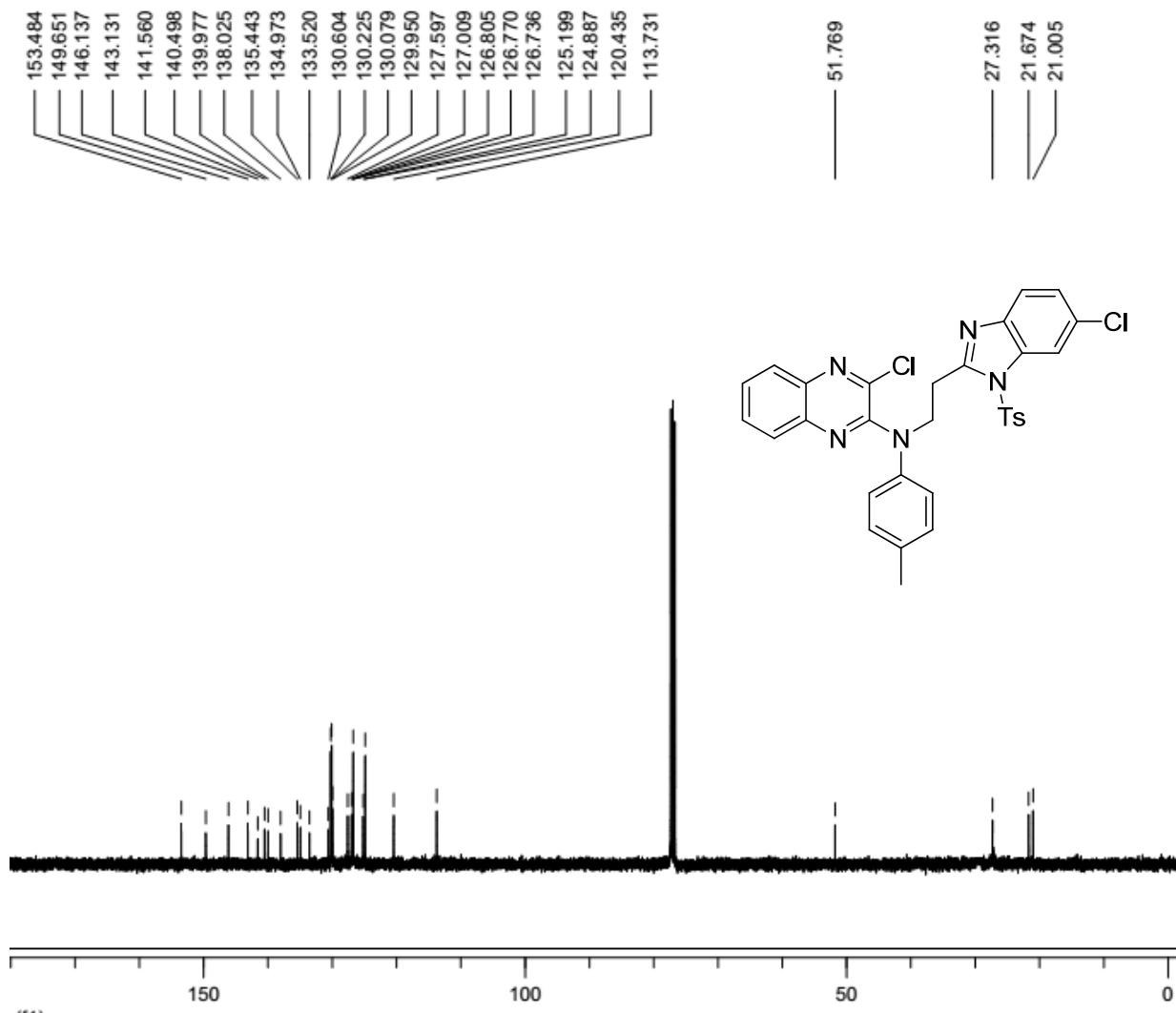


Fig. 24: ^{13}C NMR spectra of compound **7f** (CDCl_3 , 100 MHz)

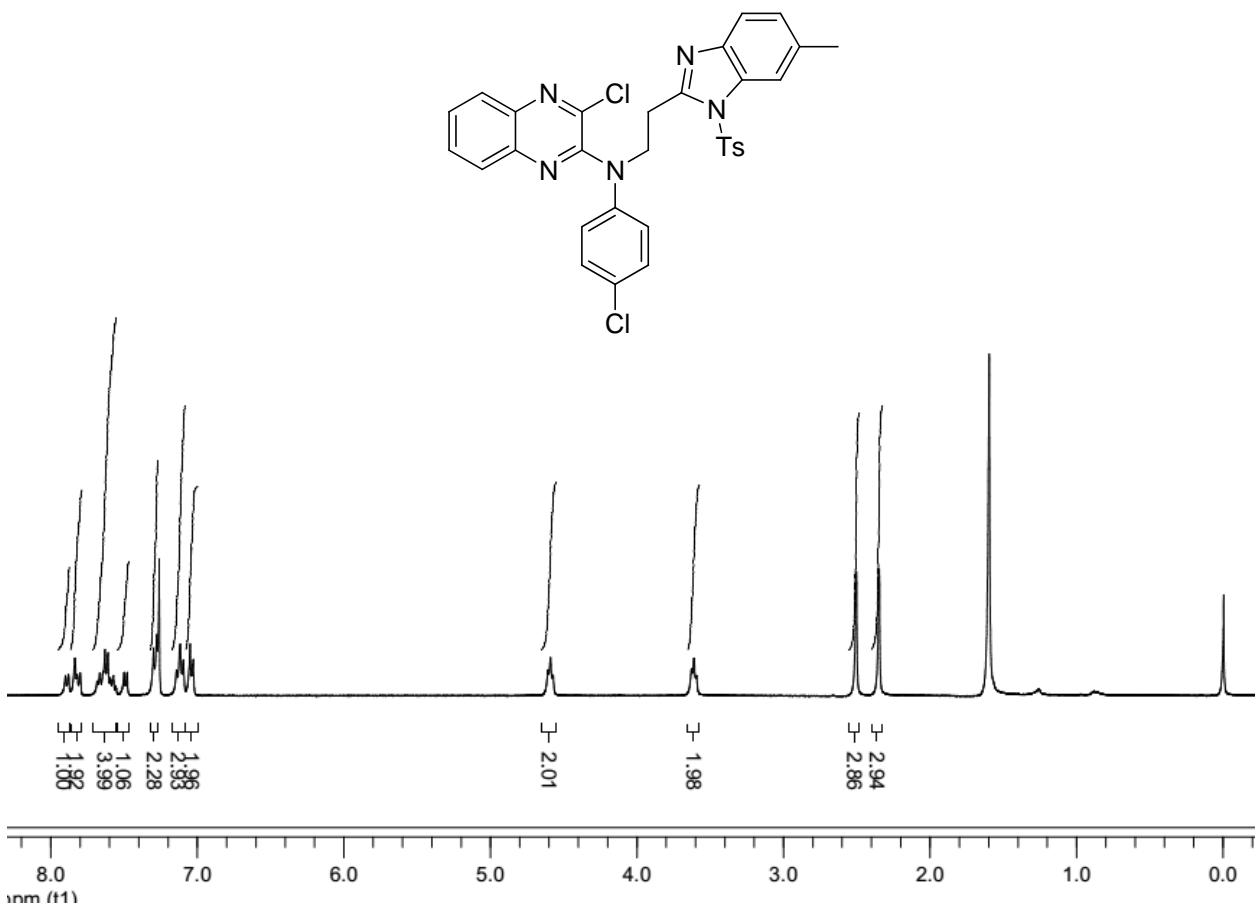


Fig. 25: ¹H NMR spectra of compound **7g** (CDCl_3 , 400 MHz)

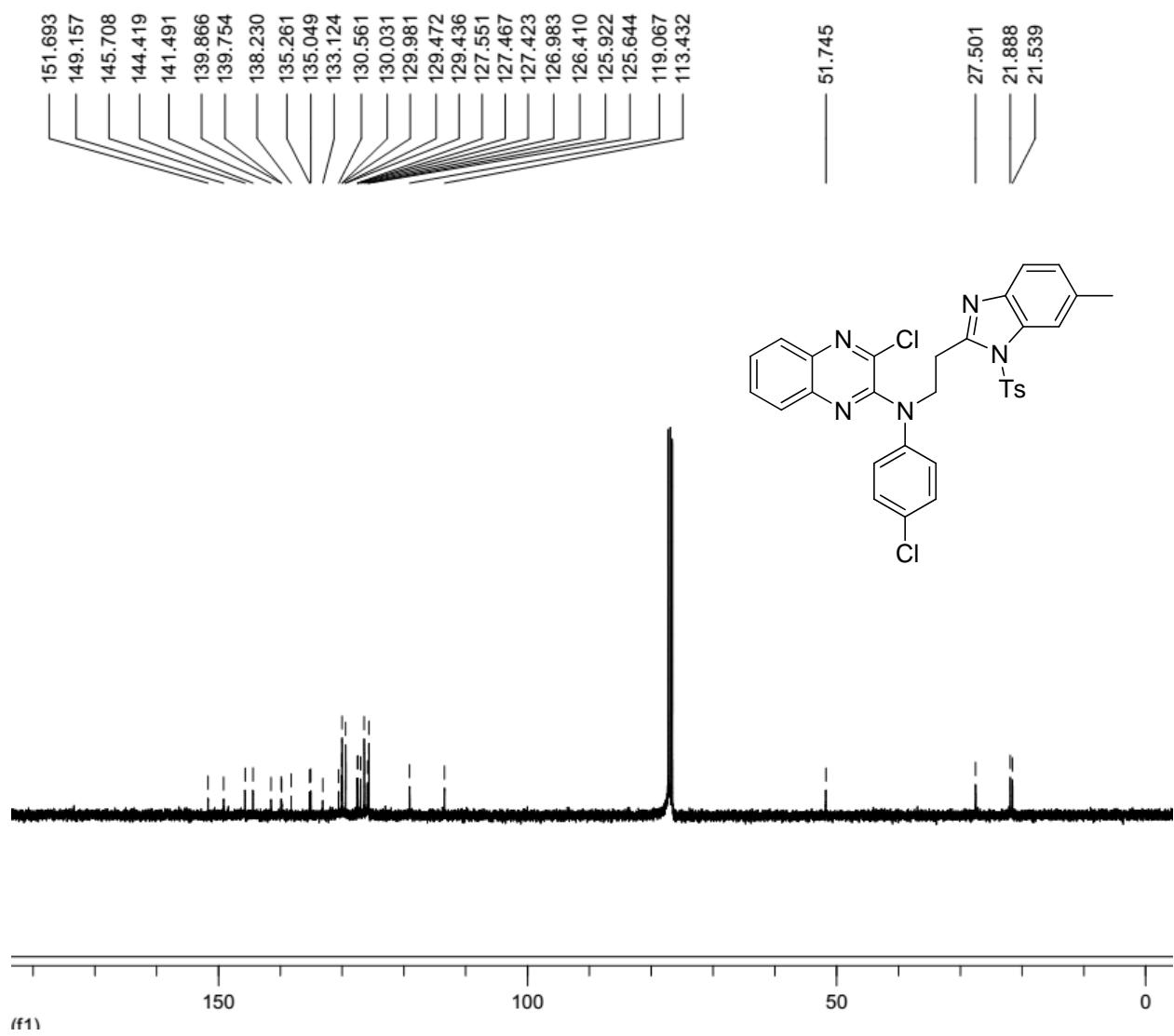


Fig. 26: ^{13}C NMR spectra of compound **7g** (CDCl_3 , 100 MHz)

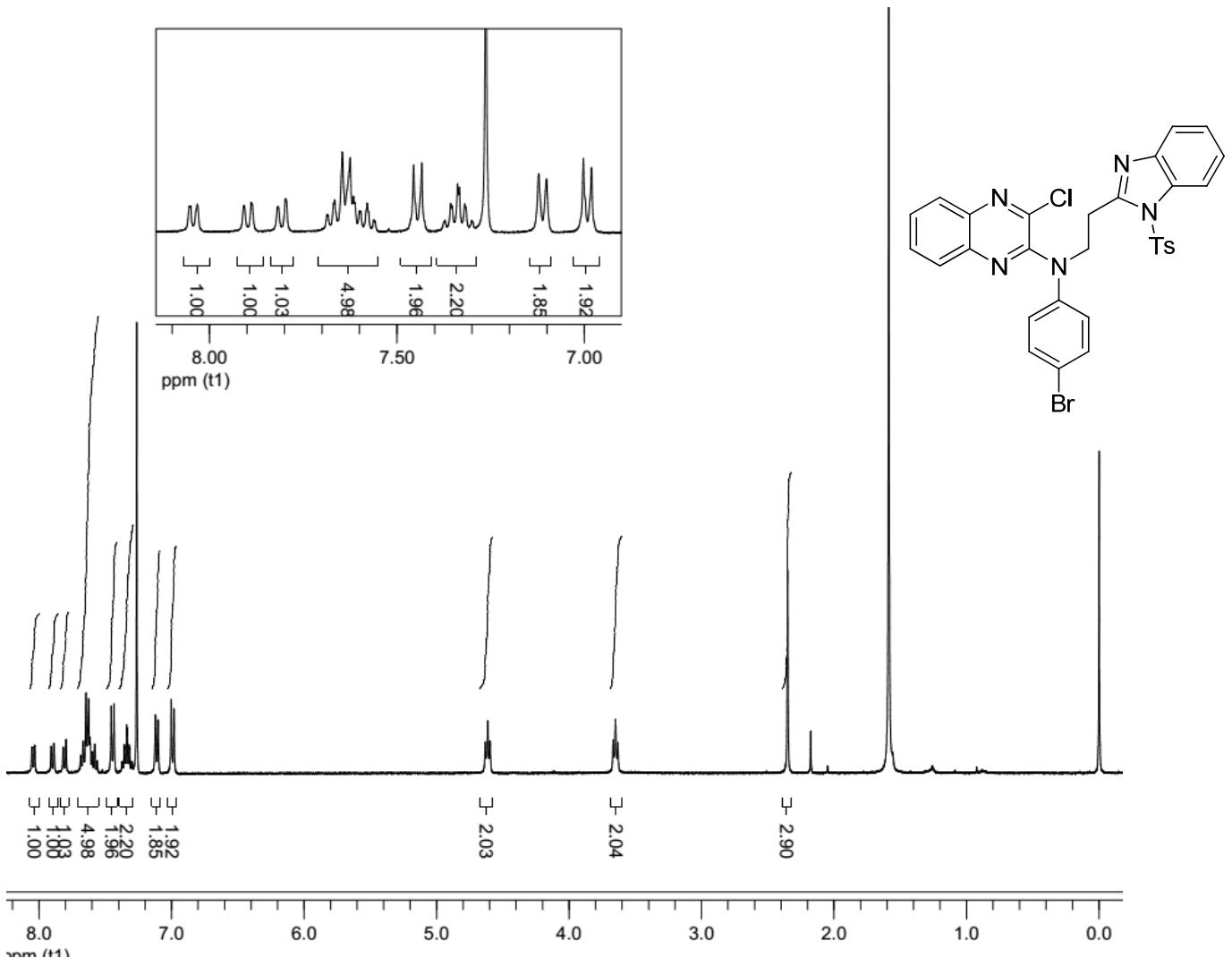


Fig. 27: ¹H NMR spectra of compound **7h** (CDCl₃, 400 MHz)

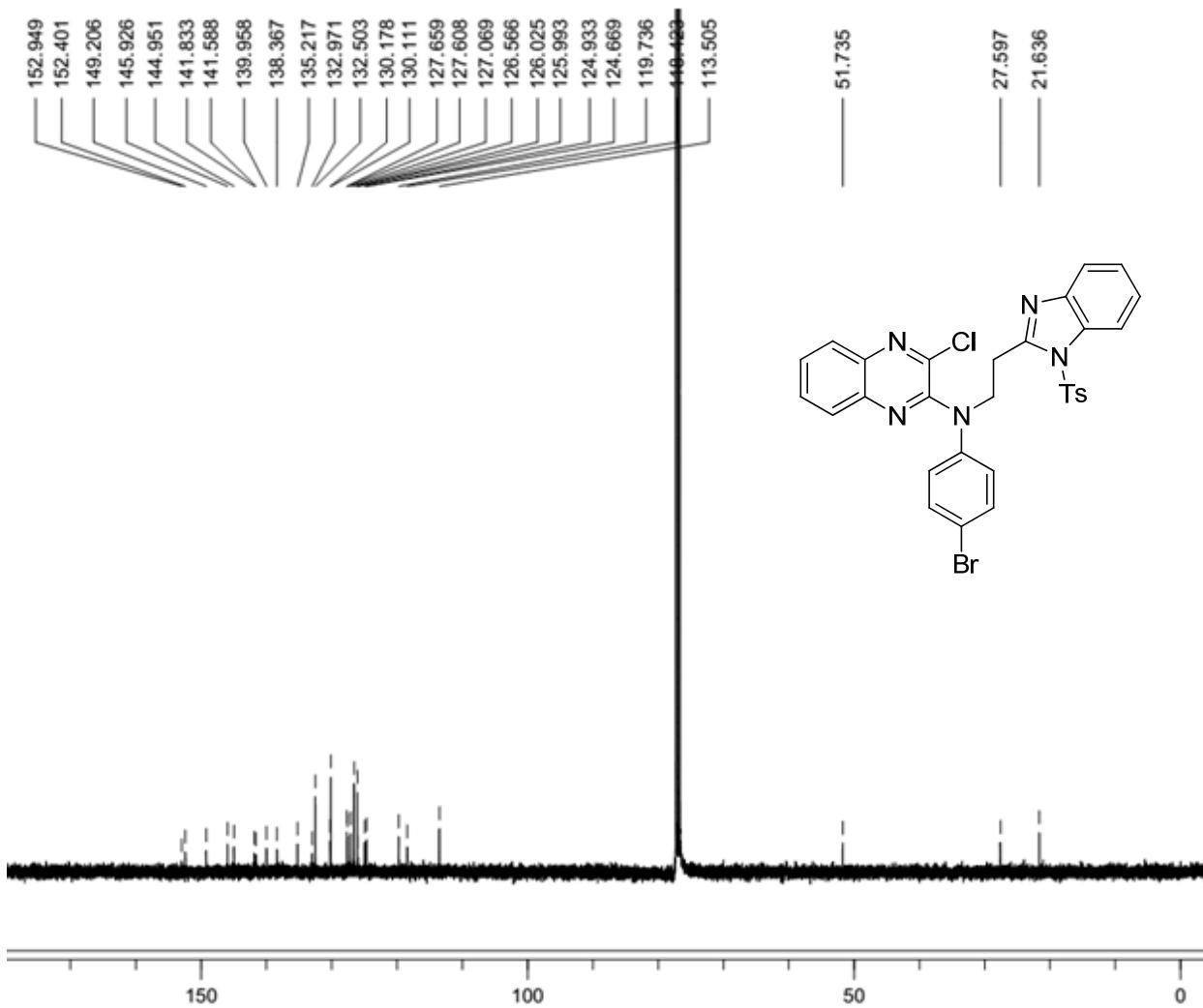


Fig. 28: ^{13}C NMR spectra of compound **7h** (CDCl_3 , 100 MHz)

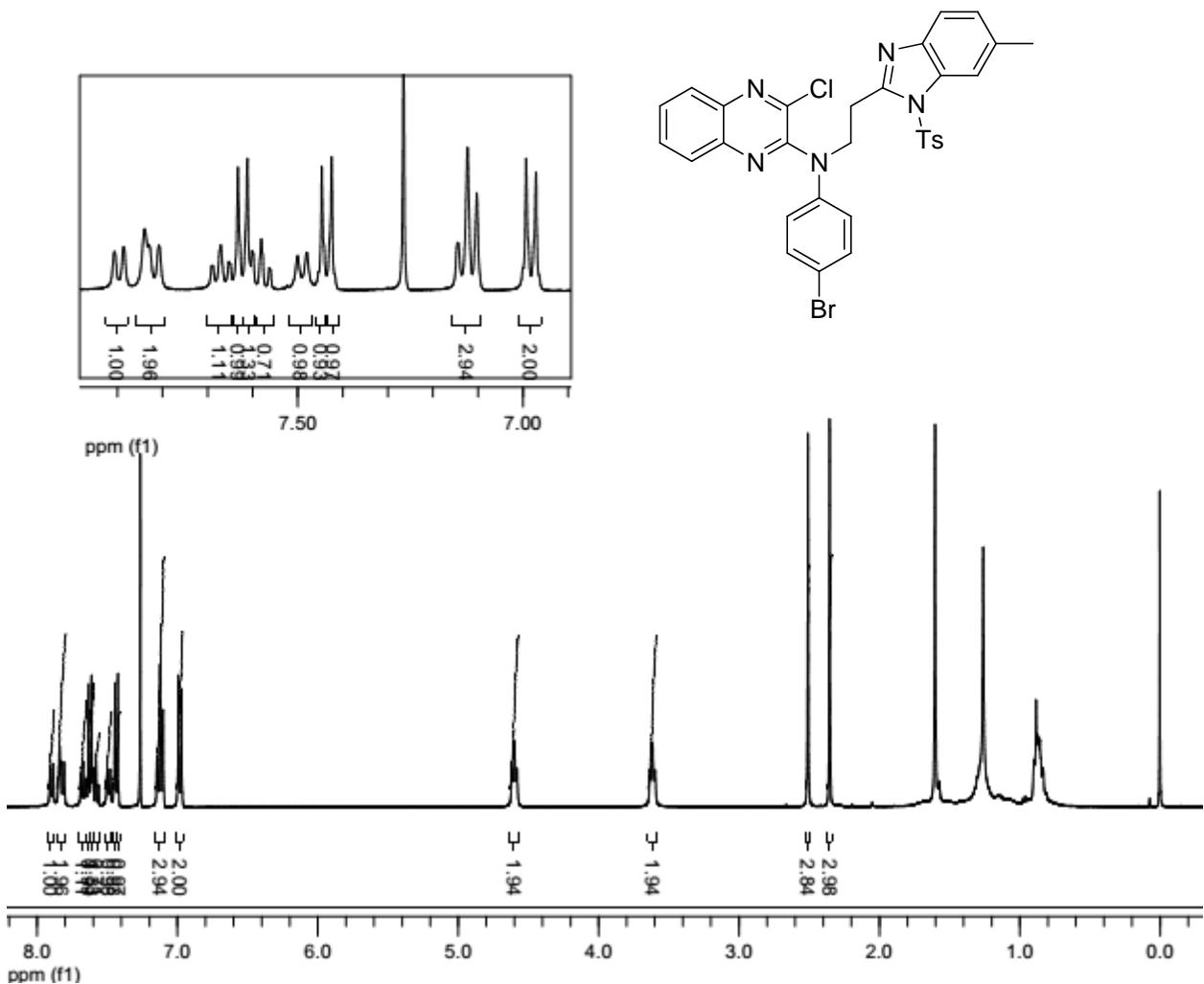


Fig. 29: ¹H NMR spectra of compound **7i** (CDCl₃, 400 MHz)

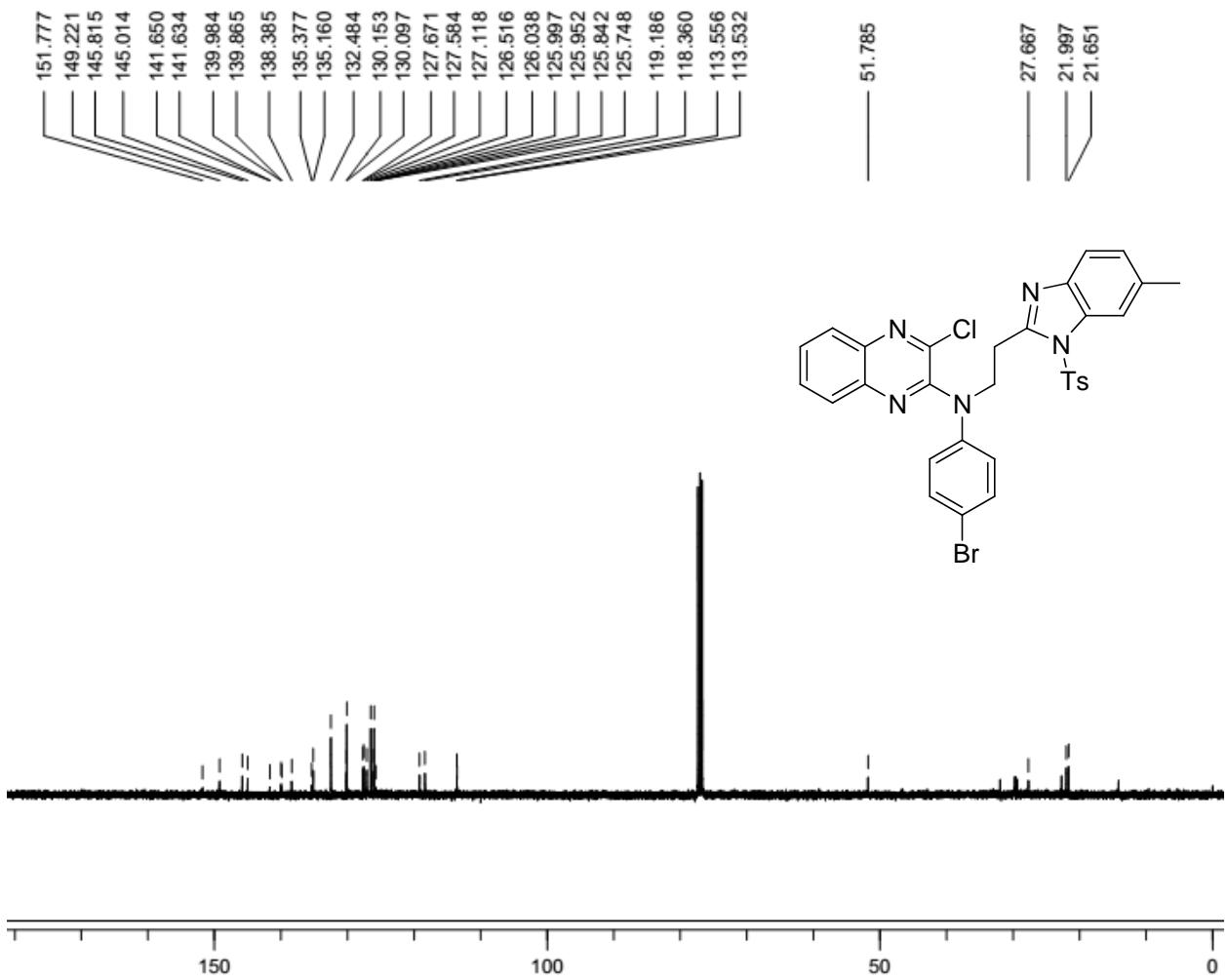


Fig. 30: ^{13}C NMR spectra of compound **7i** (CDCl_3 , 100 MHz)

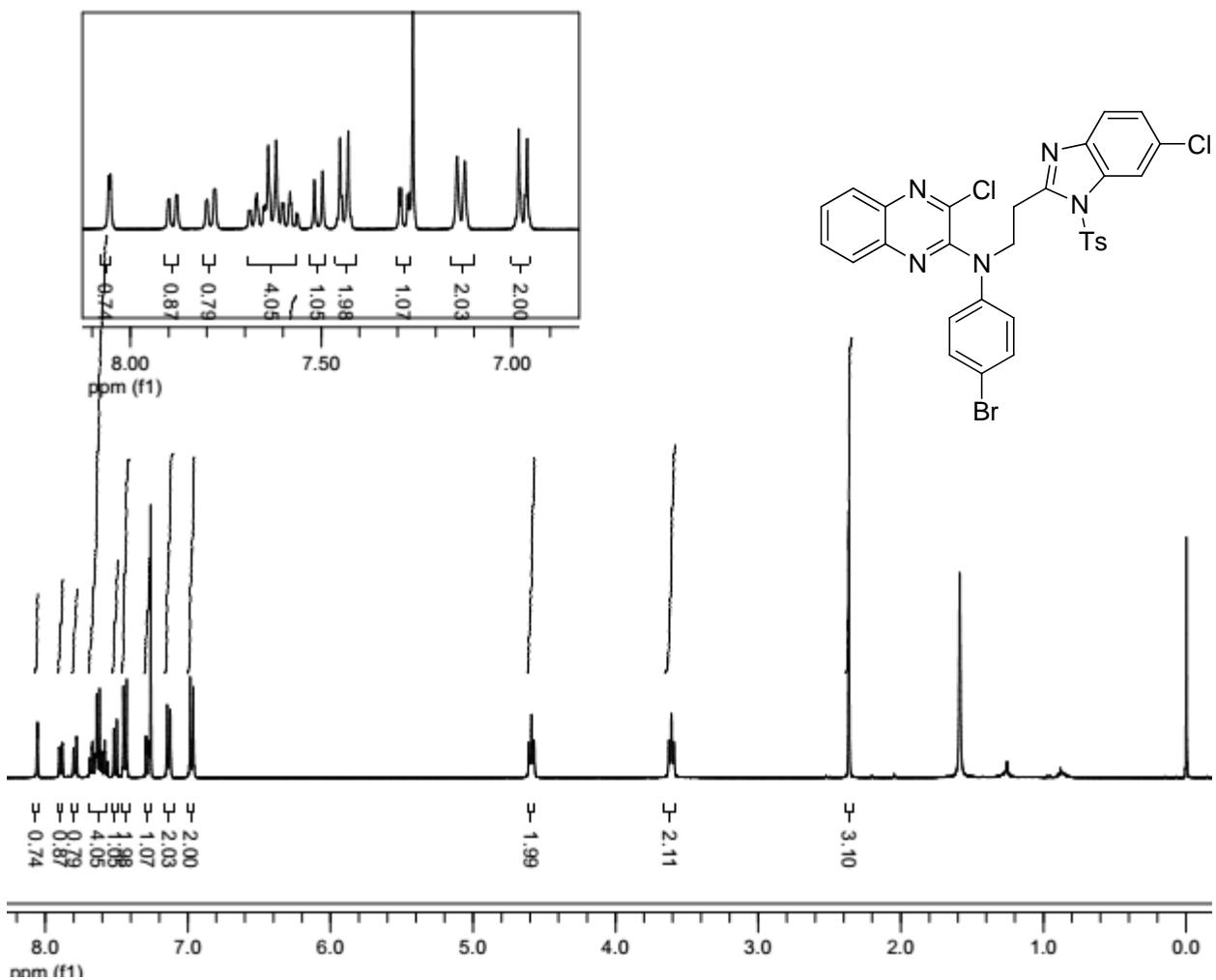


Fig. 31: ¹H NMR spectra of compound **7j** (CDCl₃, 400 MHz)

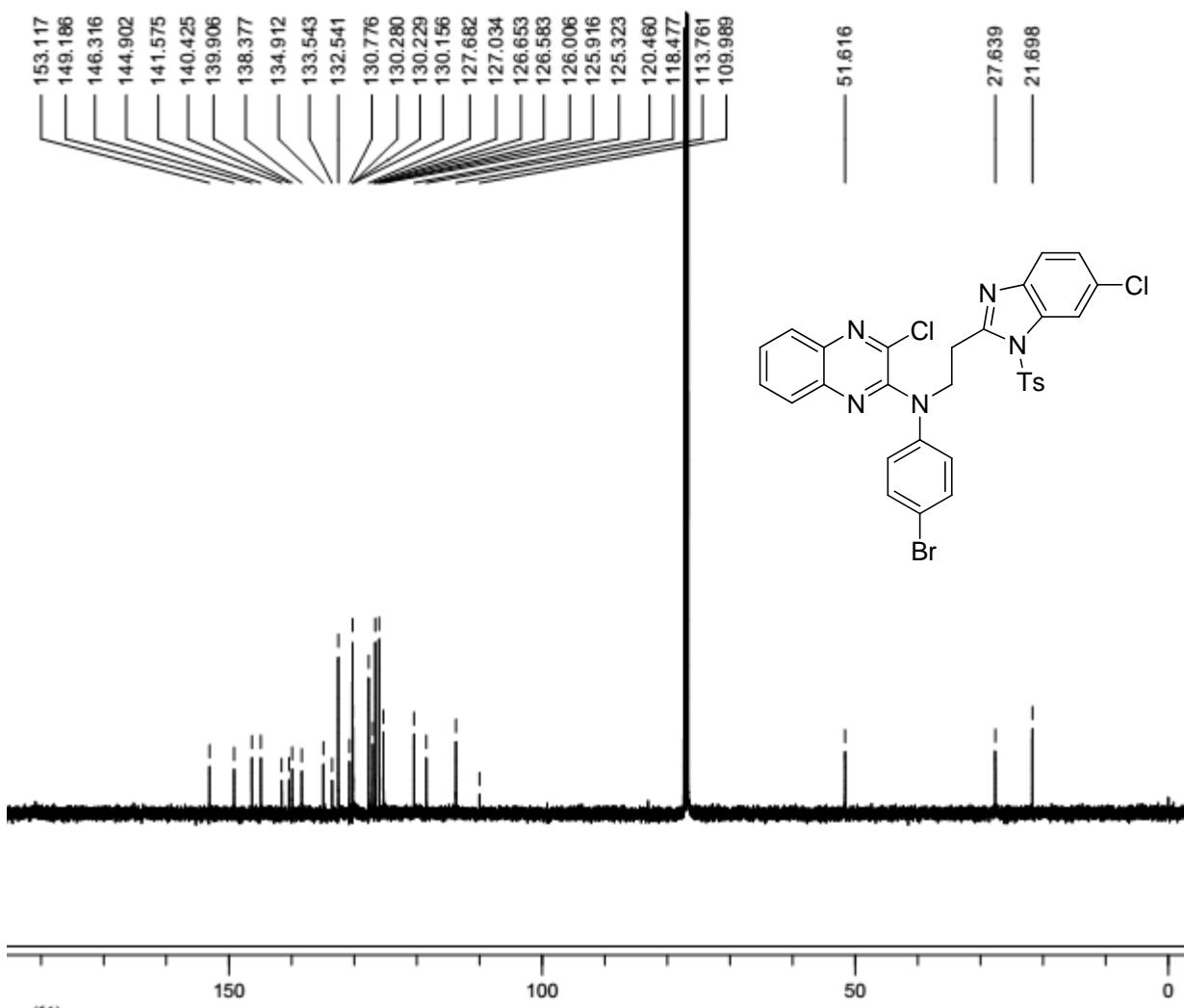


Fig. 32: ^{13}C NMR spectra of compound **7j** (CDCl_3 , 100 MHz)

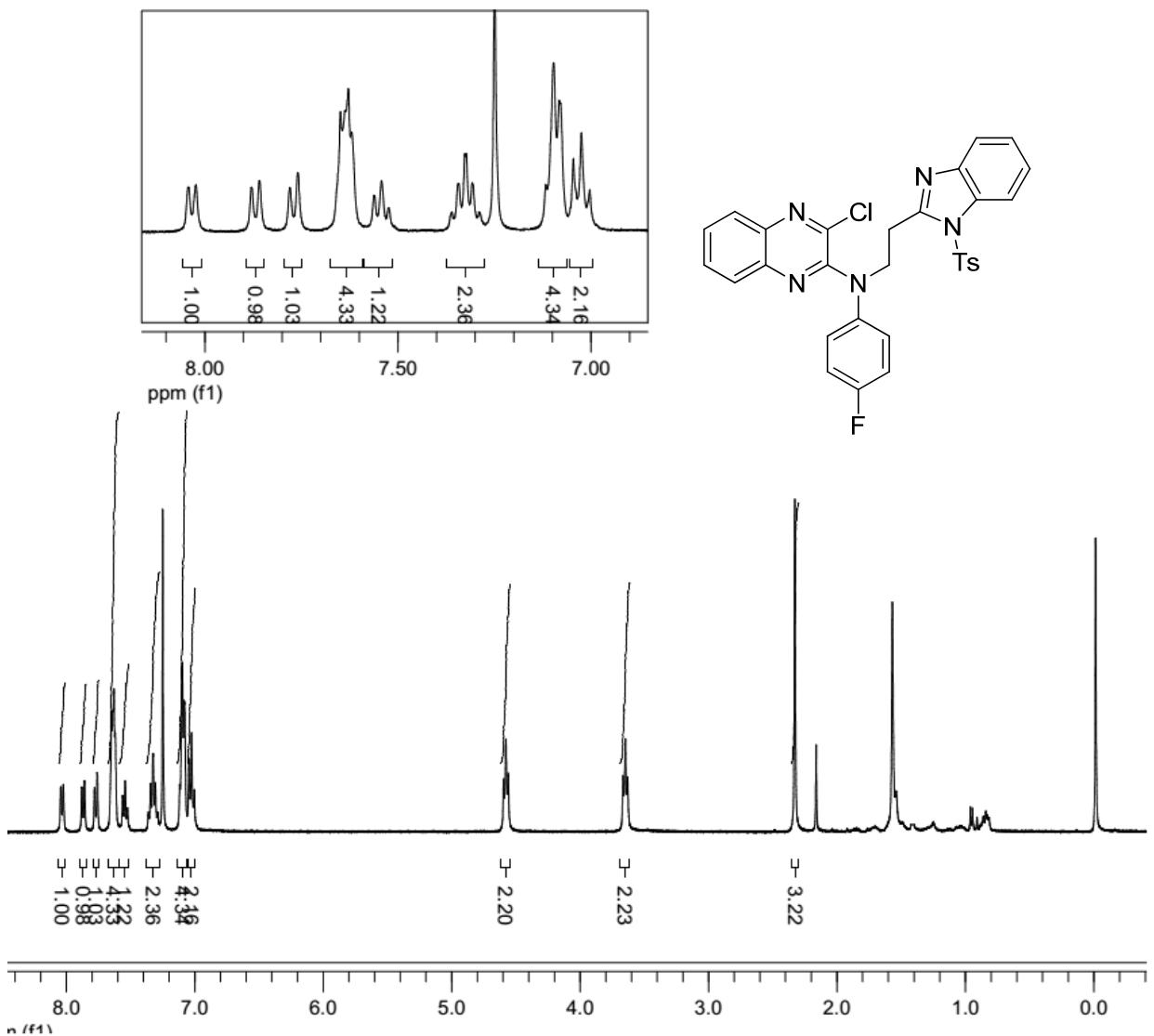


Fig. 33: ¹H NMR spectra of compound **7k** (CDCl_3 , 400 MHz)

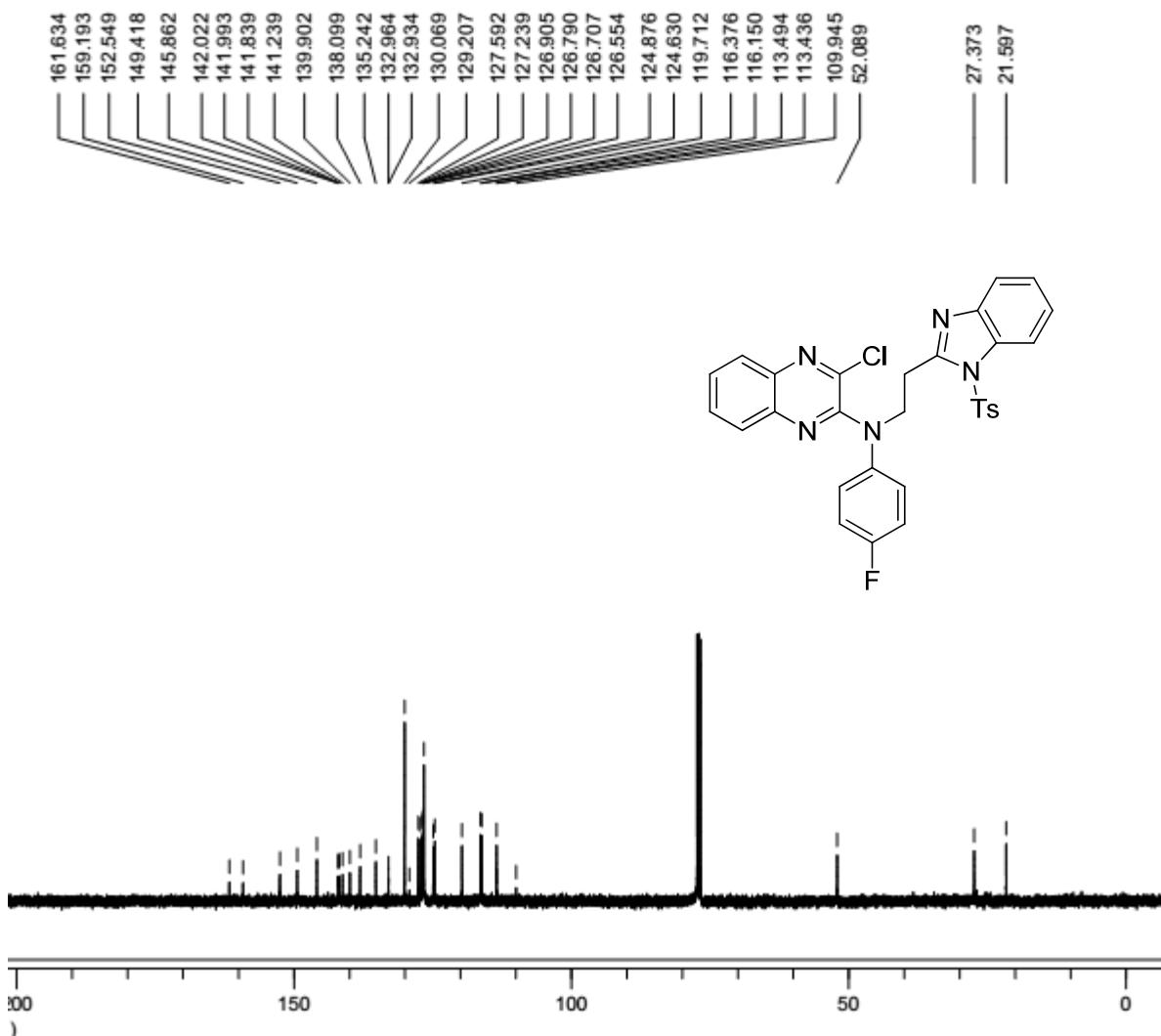


Fig. 34: ^{13}C NMR spectra of compound **7k** (CDCl_3 , 100 MHz)

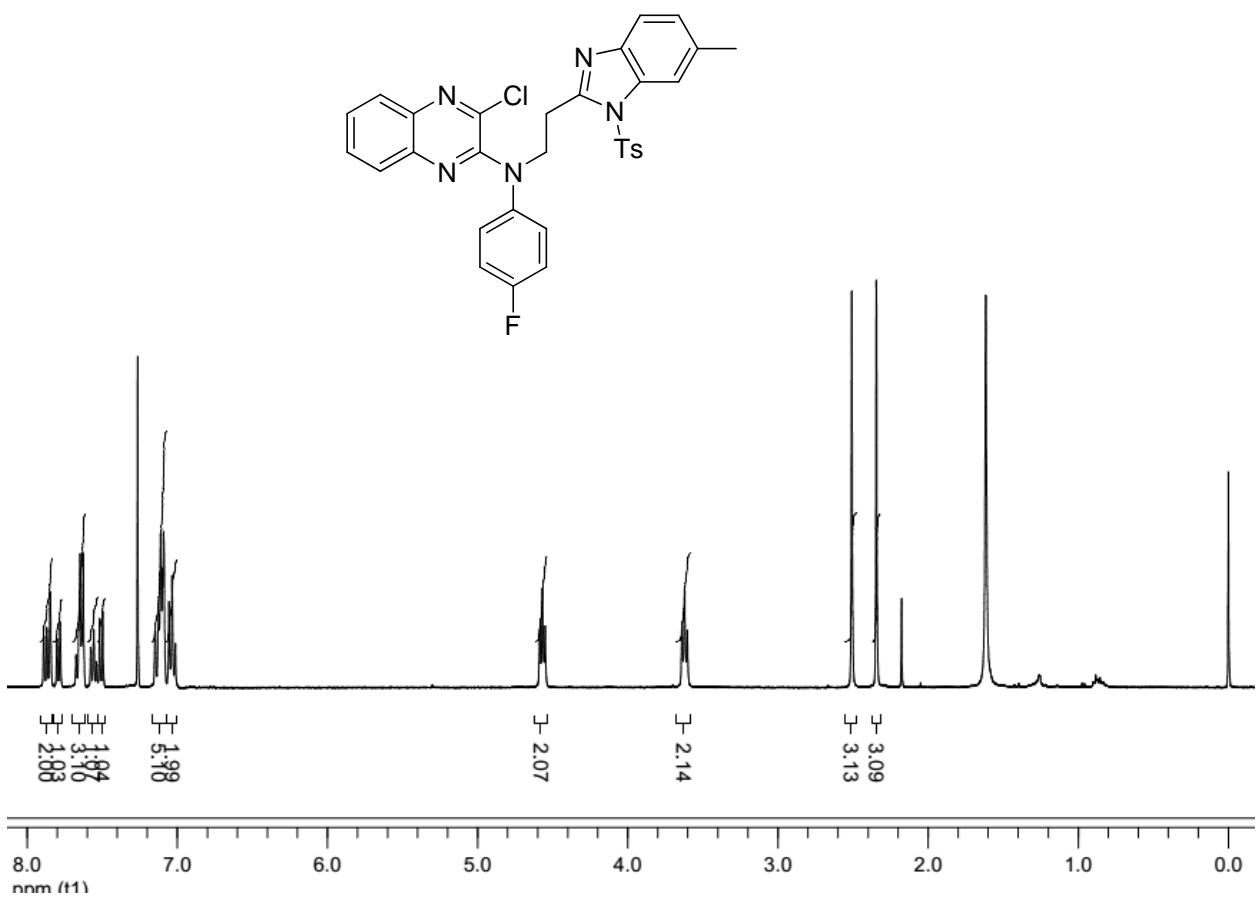


Fig. 35: ^1H NMR spectra of compound **7l** (CDCl_3 , 400 MHz)

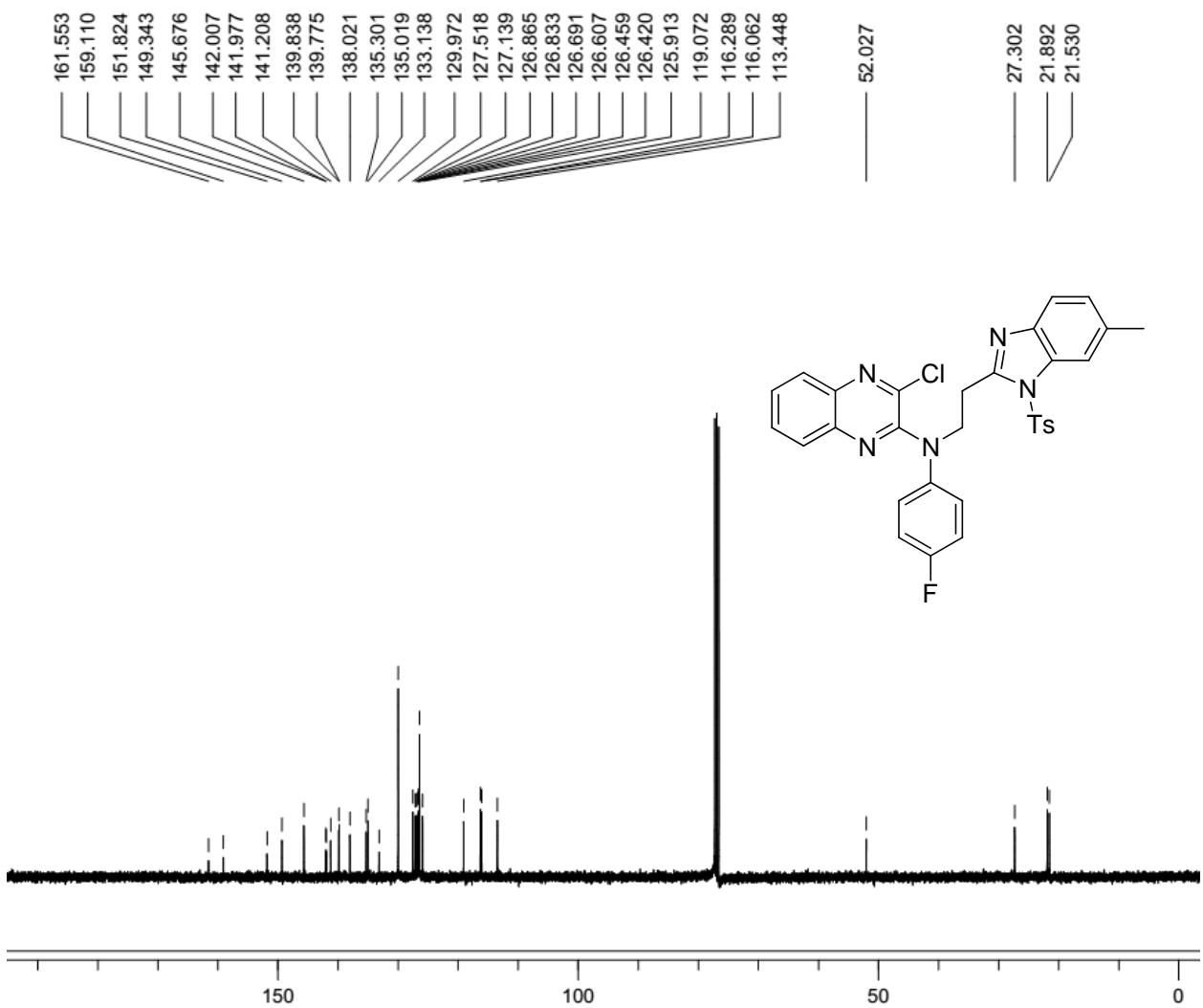


Fig. 36: ^{13}C NMR spectra of compound **7I** (CDCl_3 , 100 MHz)

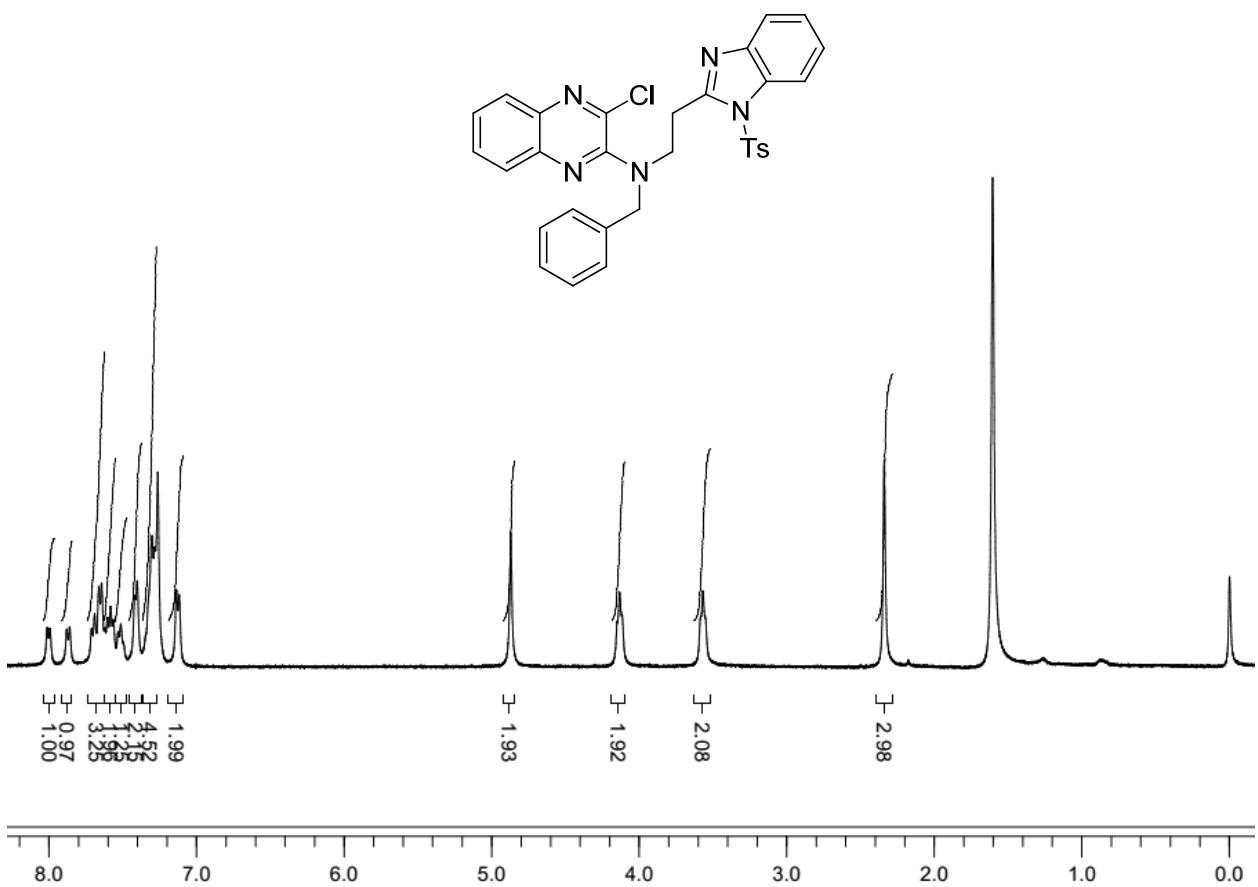


Fig. 39: ¹H NMR spectra of compound **7m** (CDCl₃, 400 MHz)

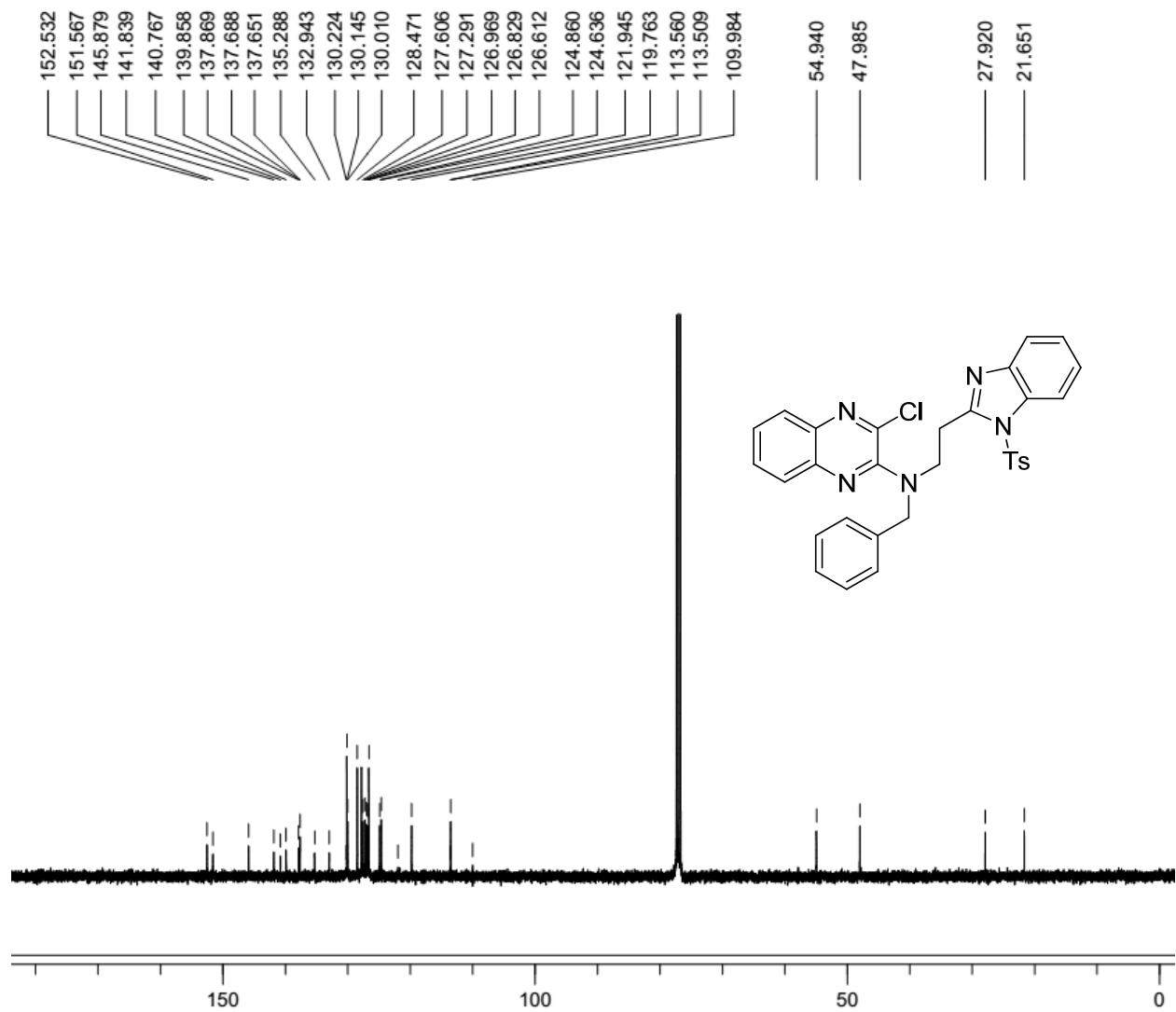


Fig. 40: ^{13}C NMR spectra of compound **7m** (CDCl_3 , 100 MHz)

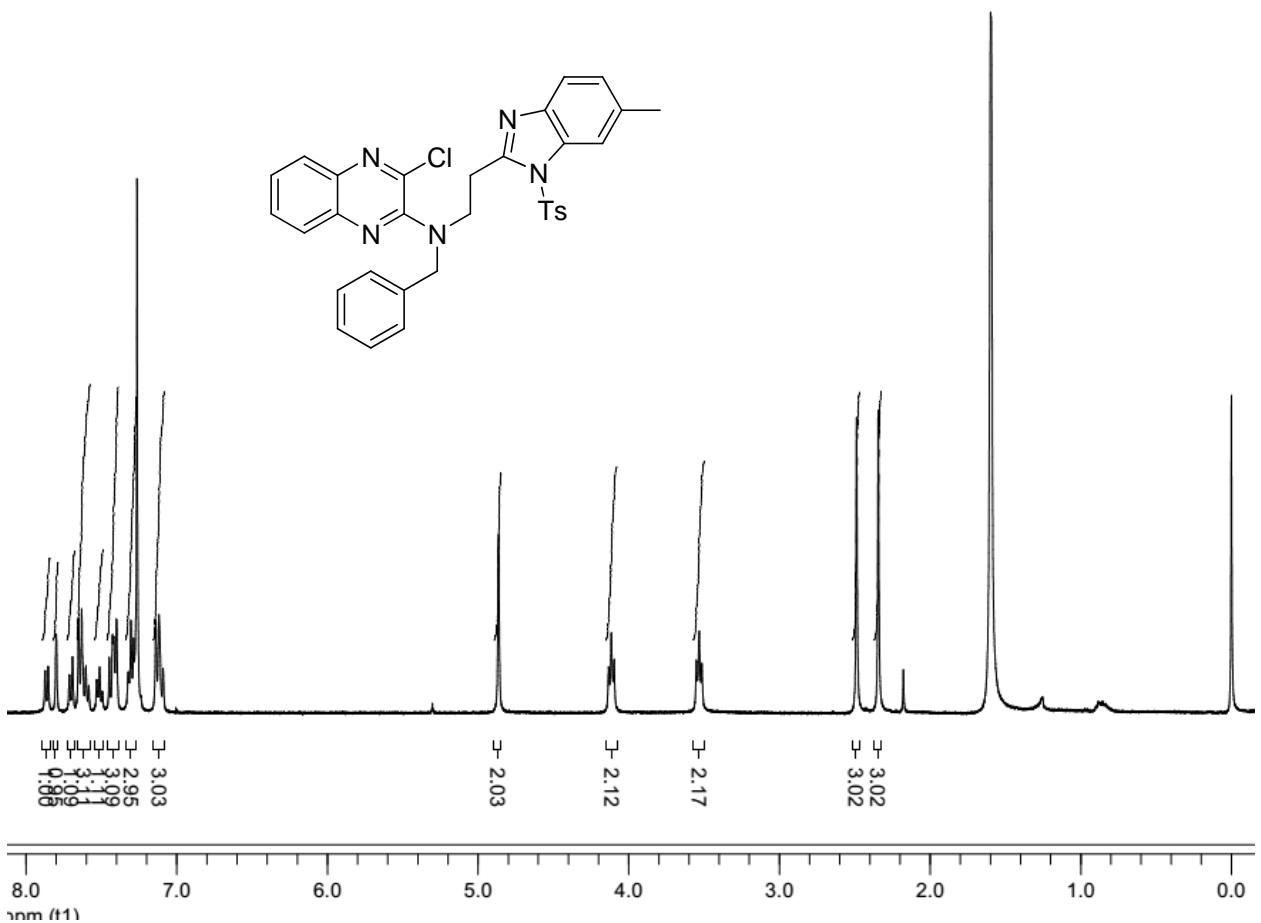


Fig. 37: ^1H NMR spectra of compound **7n** (CDCl_3 , 400 MHz)

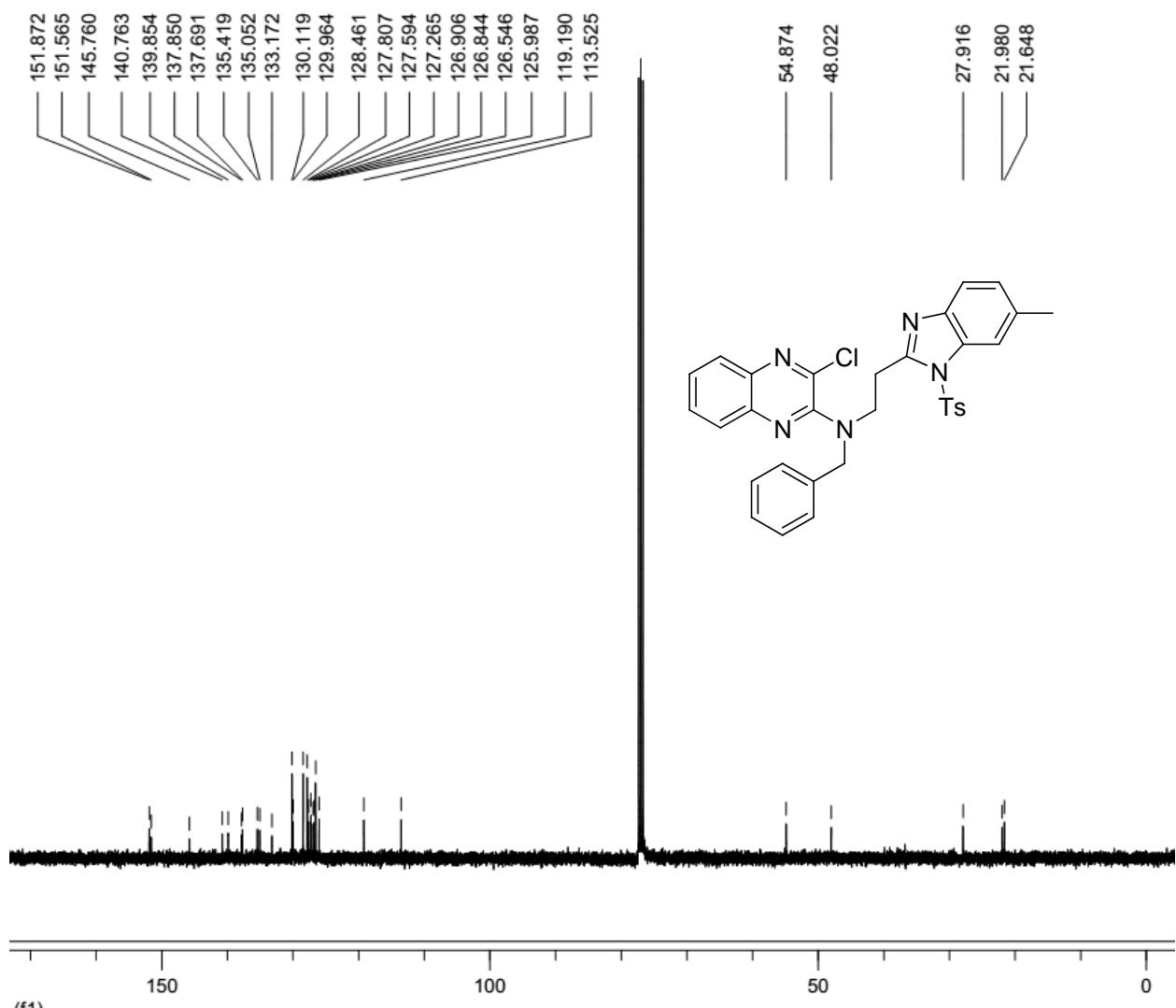


Fig. 38: ^{13}C NMR spectra of compound **7n** (CDCl_3 , 100 MHz)