

Copies of ^1H and ^{13}C NMR spectra

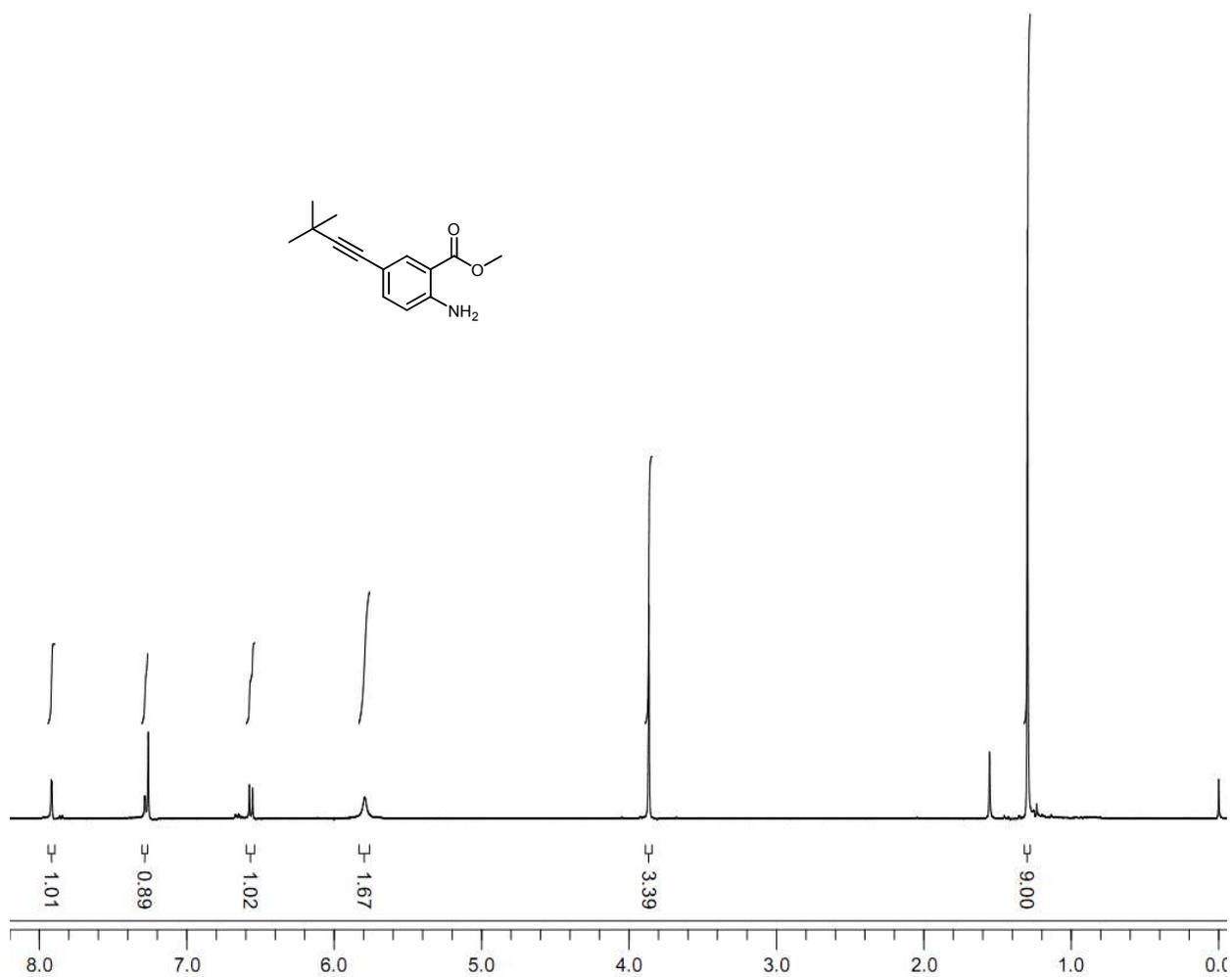


Fig. 1: ^1H NMR spectra of compound **S-2c** (CDCl_3 , 400 MHz)

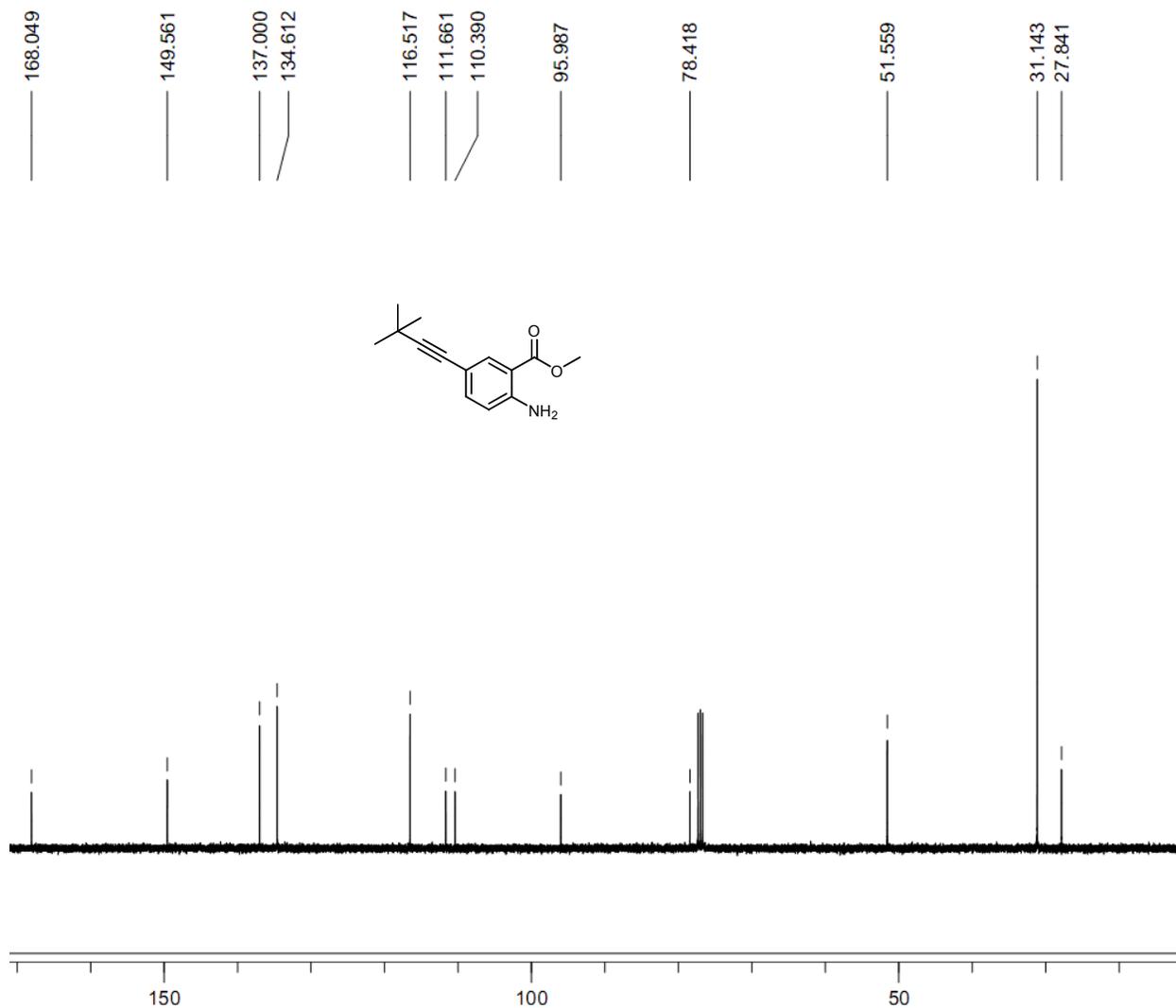


Fig. 2: ^{13}C NMR spectra of compound **S-2c** (CDCl_3 , 100 MHz)

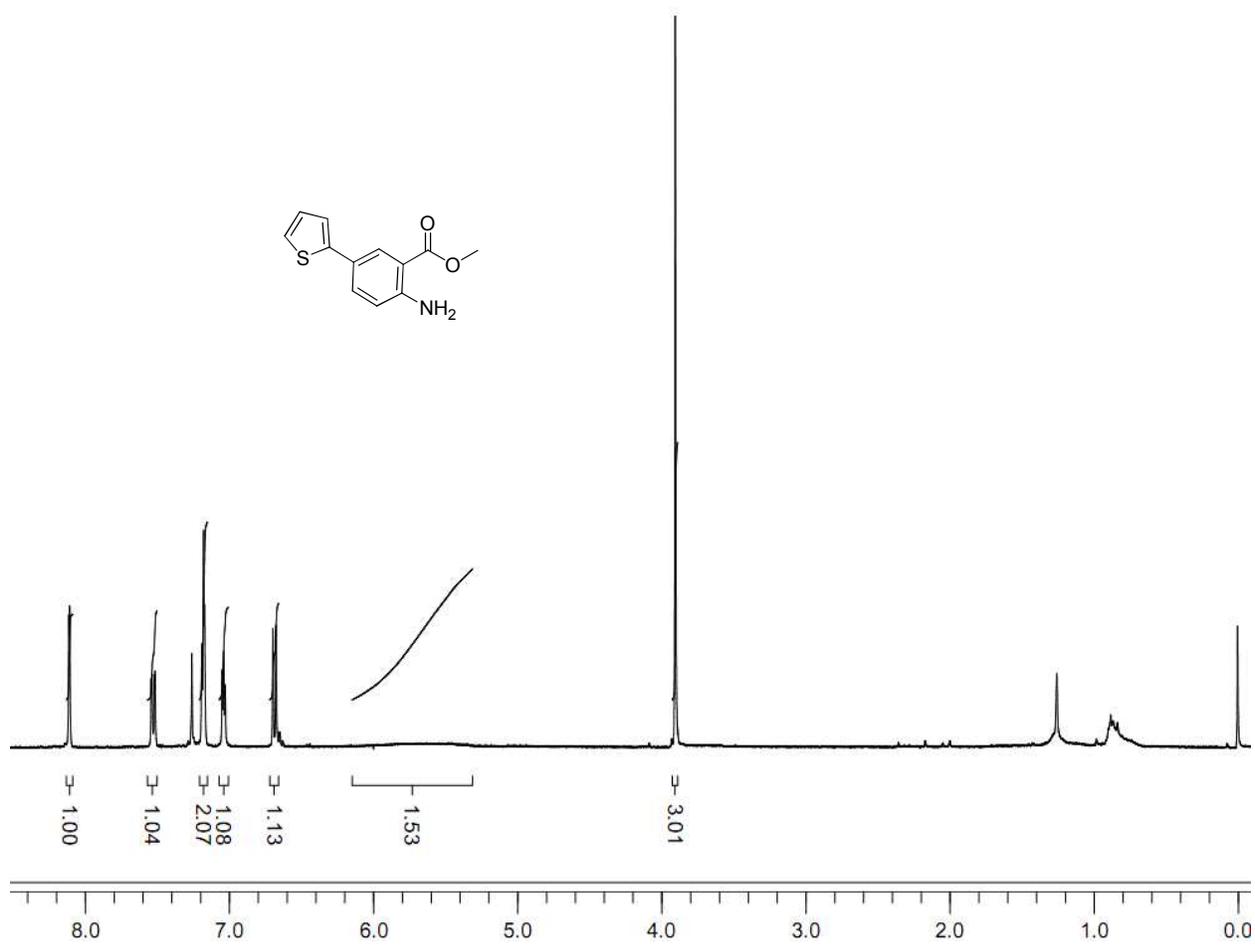


Fig. 3: ¹H NMR spectra of compound **S-2e** (CDCl₃, 400 MHz)

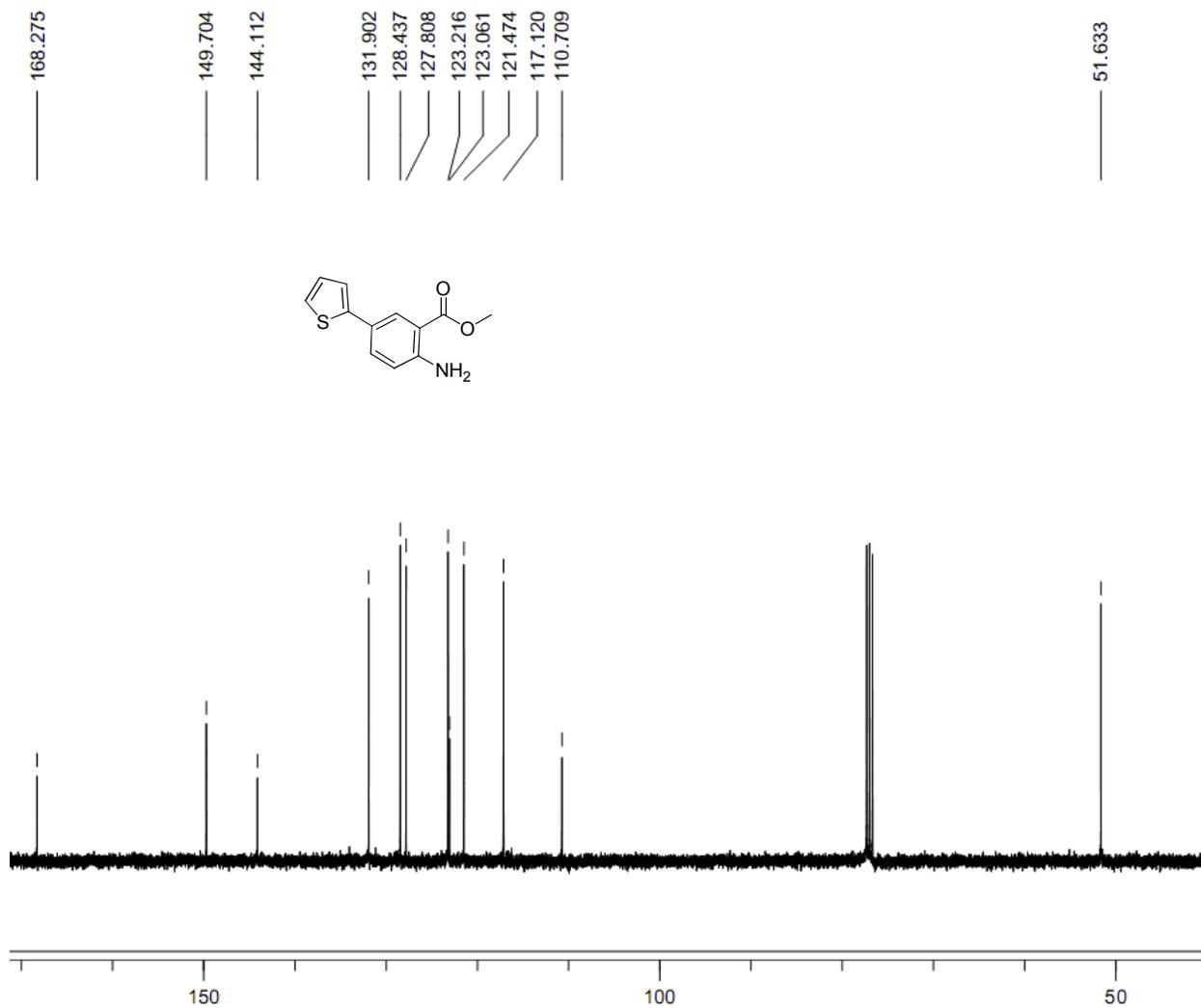


Fig. 4: ^{13}C NMR spectra of compound **S-2e** (CDCl_3 , 100 MHz)

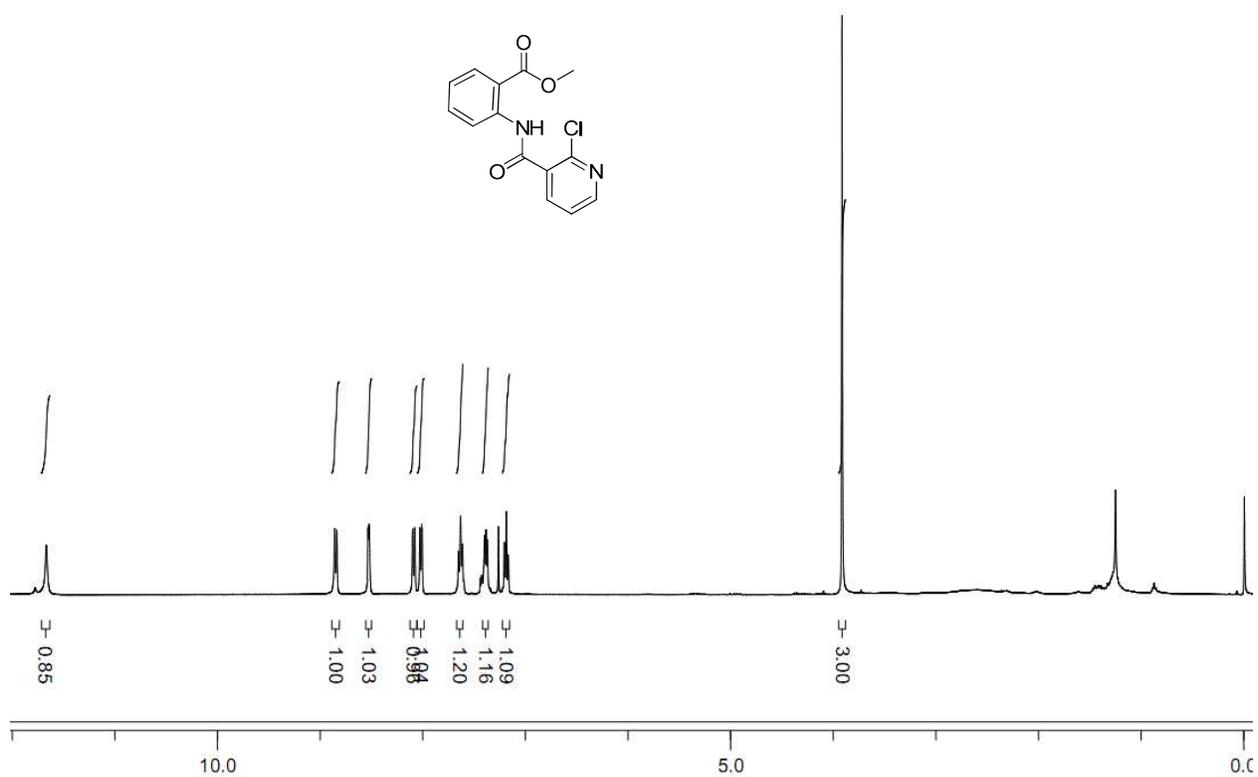


Fig. 5: ¹H NMR spectra of compound **1d** (CDCl₃, 400 MHz)

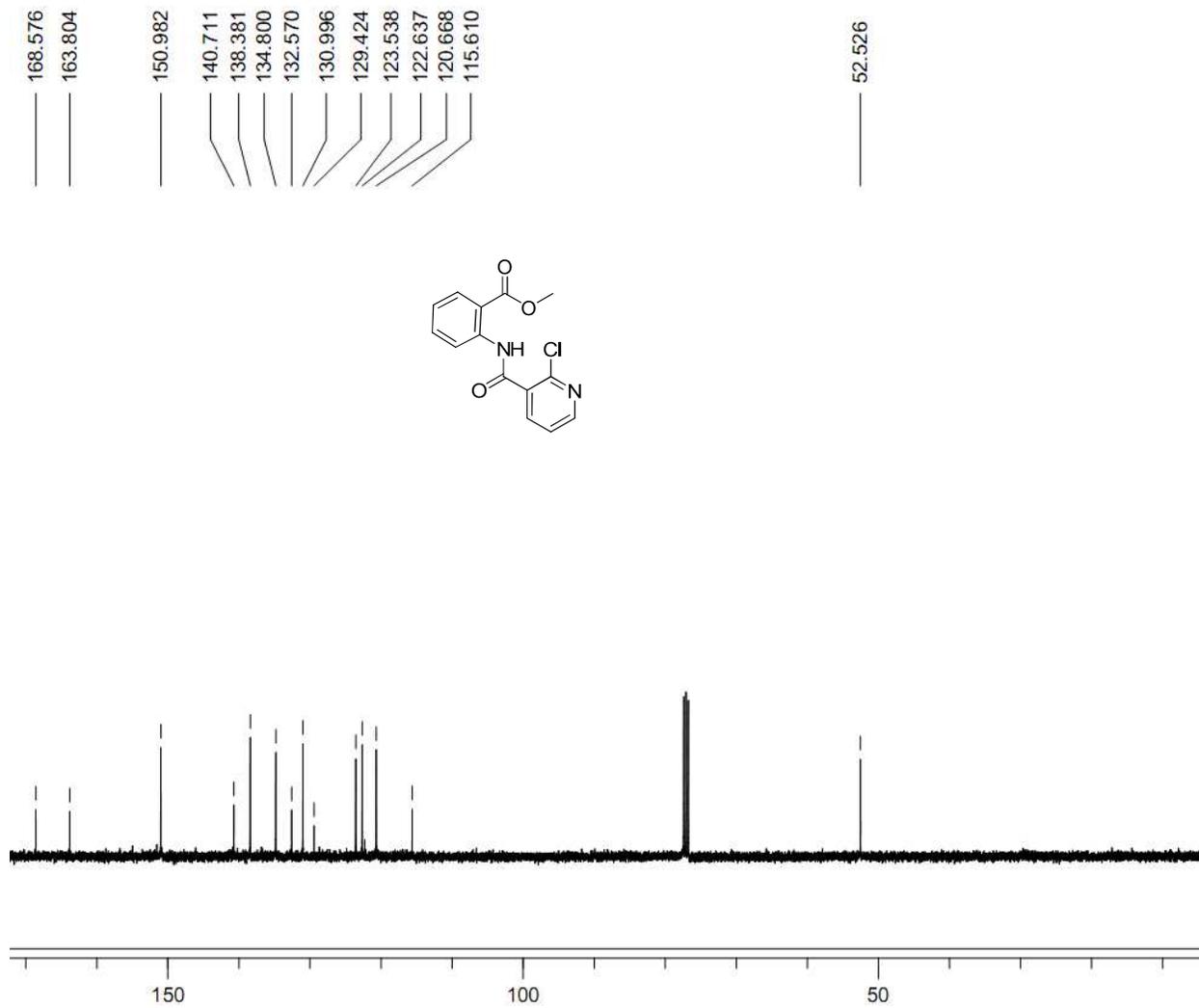


Fig. 6: ¹³C NMR spectra of compound **1d** (CDCl₃, 100 MHz)

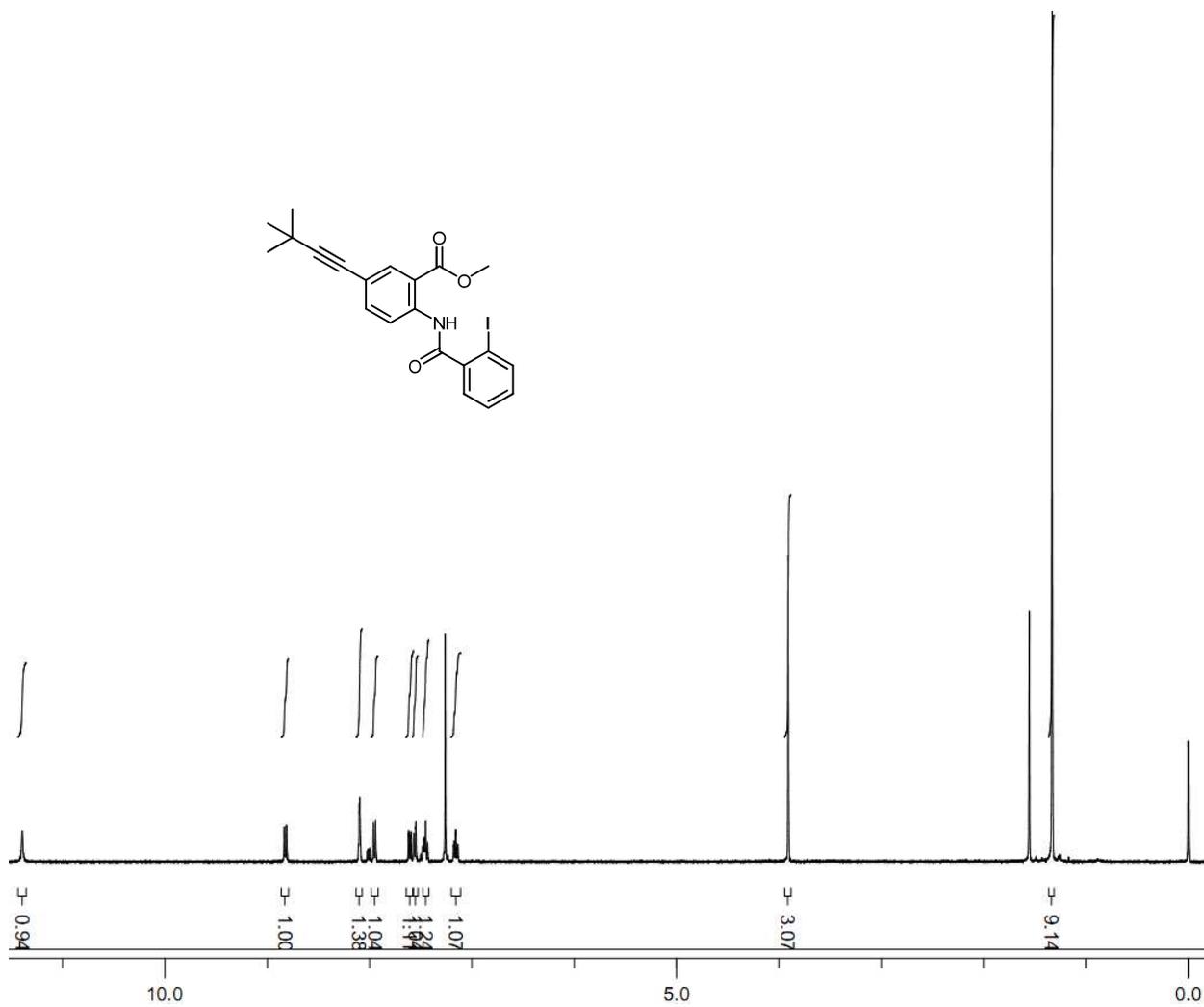


Fig. 7: ¹H NMR spectra of compound **1e** (CDCl₃, 400 MHz)

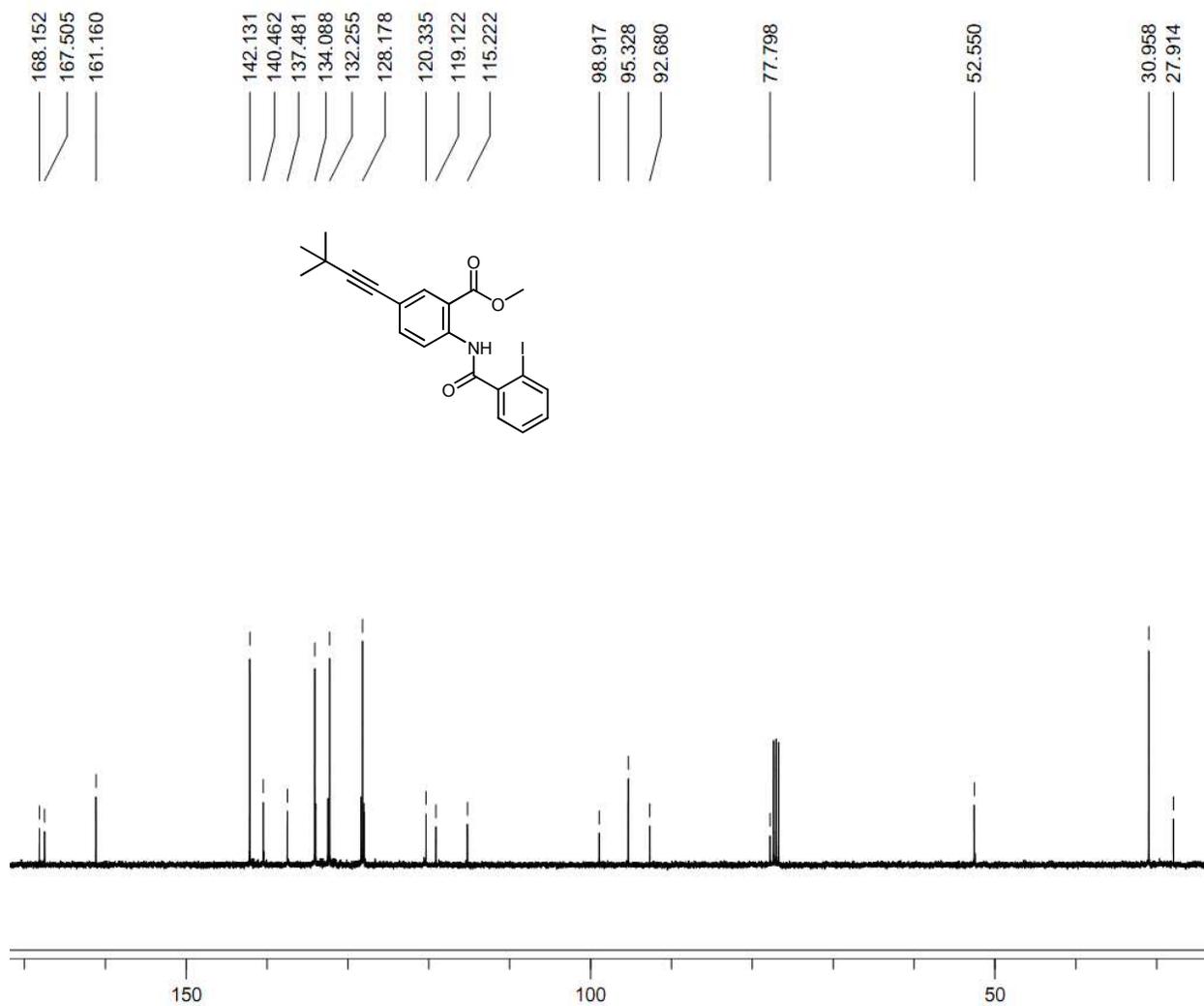


Fig. 8: ¹³C NMR spectra of compound **1e** (CDCl₃, 100 MHz)

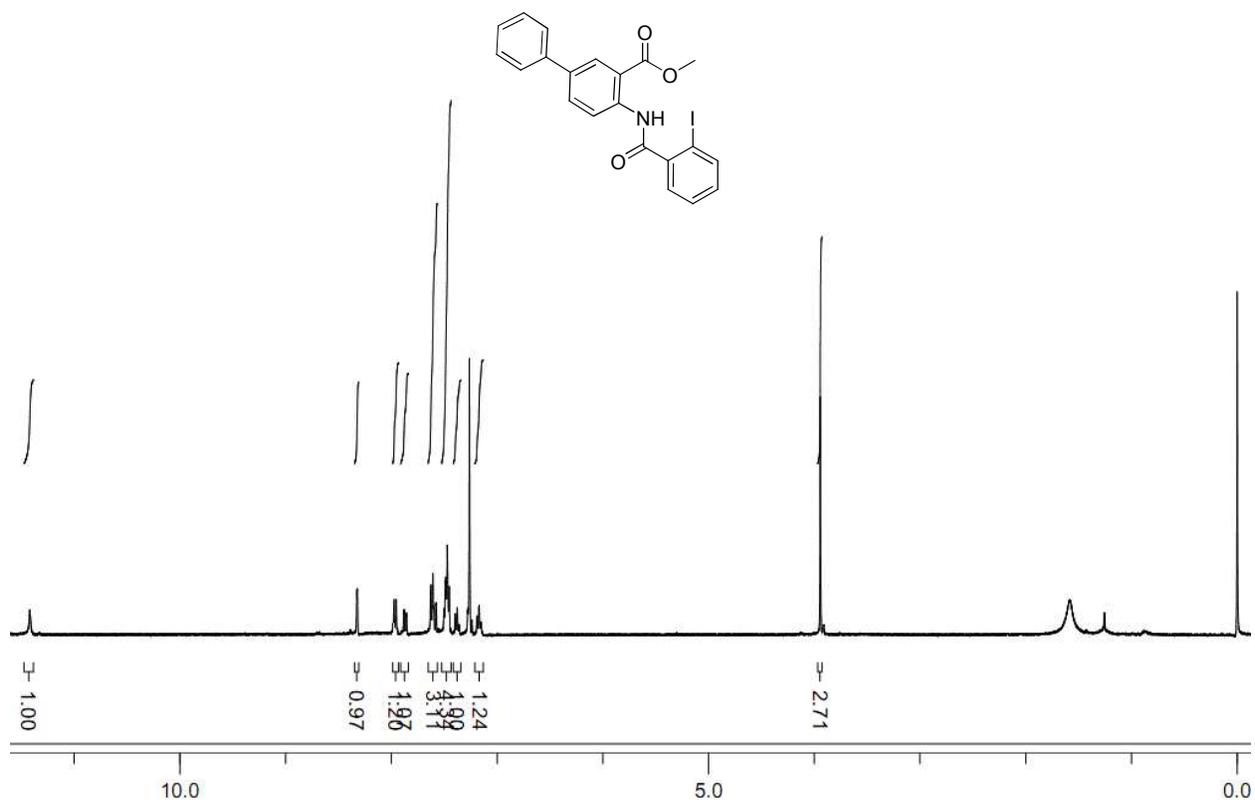


Fig. 9: ¹H NMR spectra of compound **1f** (CDCl₃, 400 MHz)

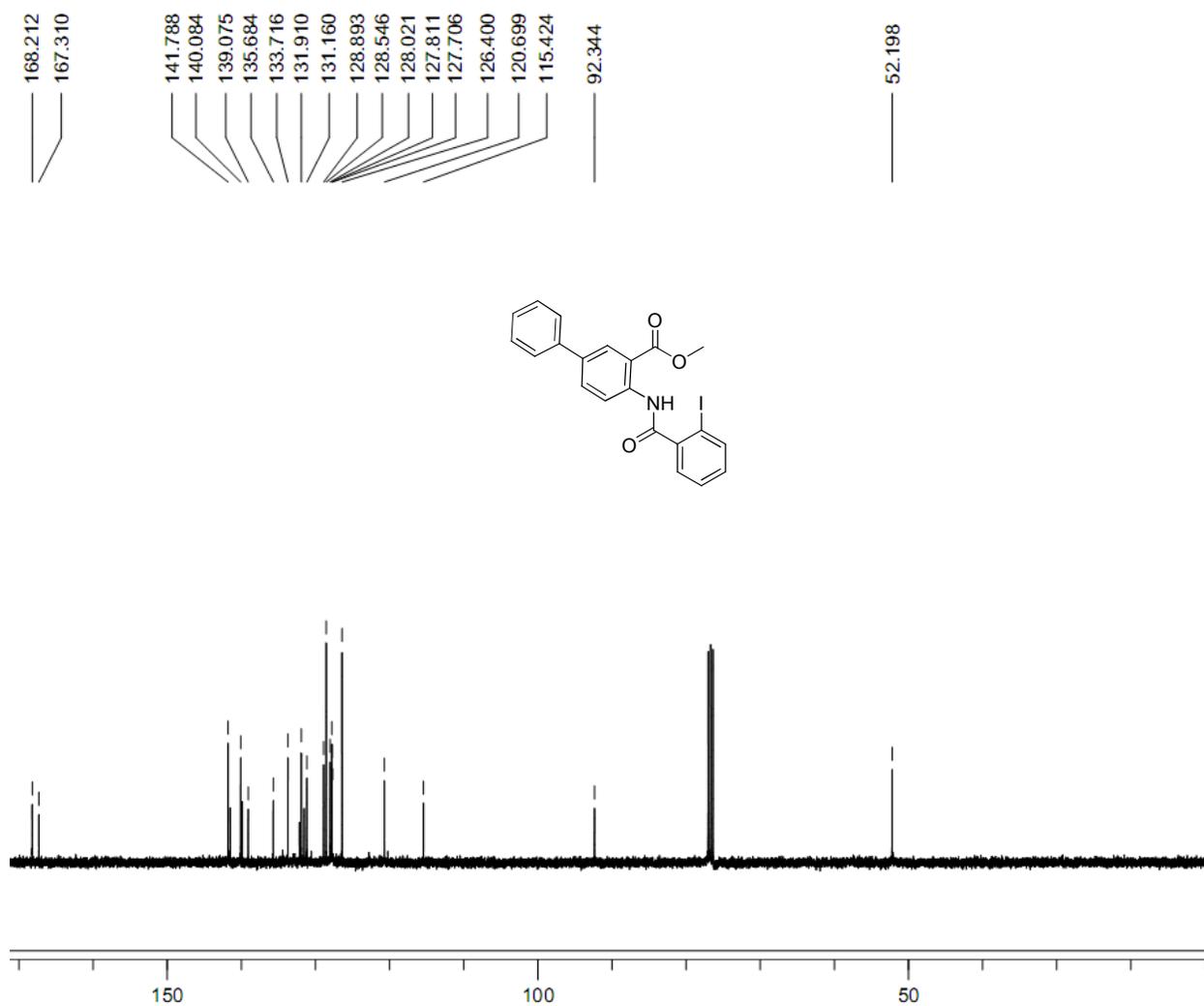


Fig. 10: ¹³C NMR spectra of compound **1f** (CDCl₃, 100 MHz)

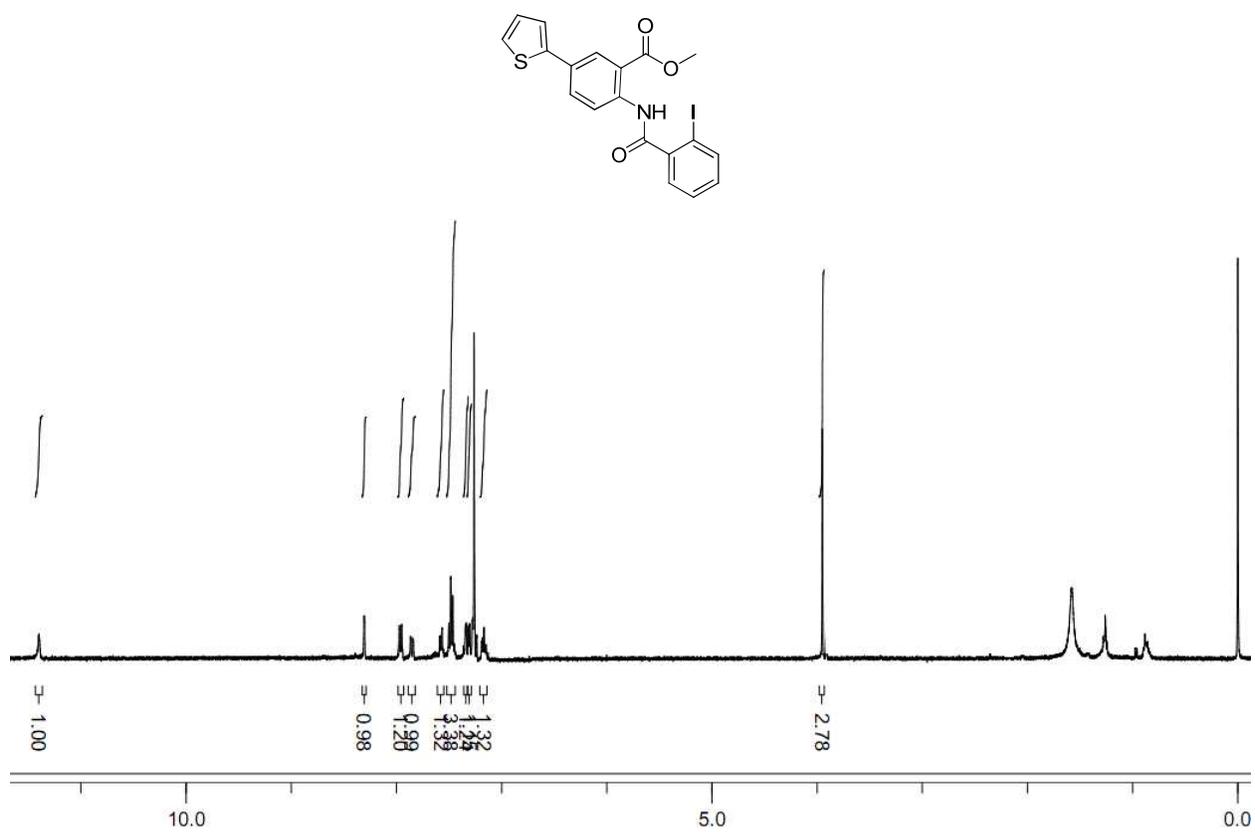


Fig. 11: ¹H NMR spectra of compound **1g** (CDCl₃, 400 MHz)

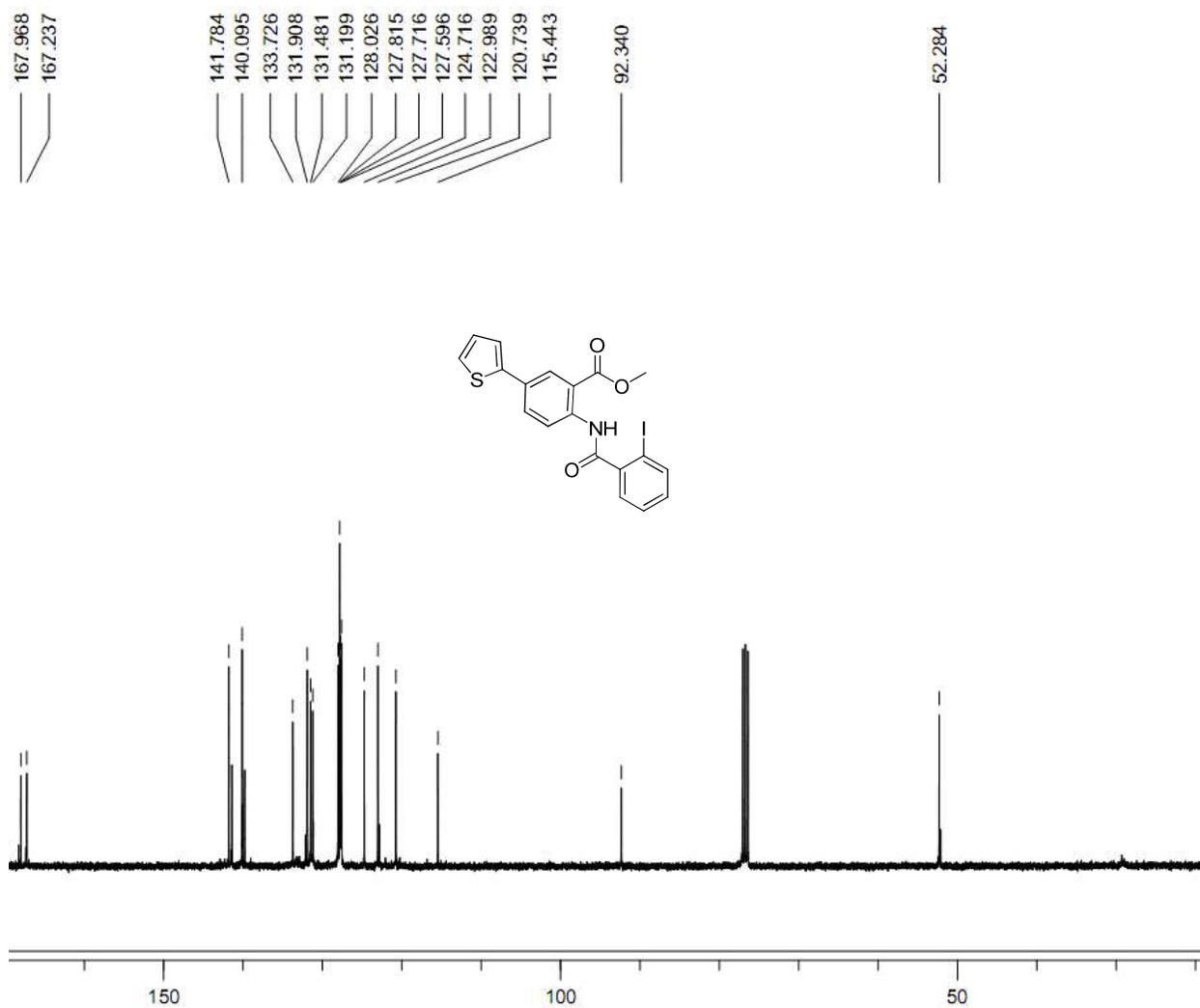


Fig. 12: ^{13}C NMR spectra of compound **1g** (CDCl_3 , 100 MHz)

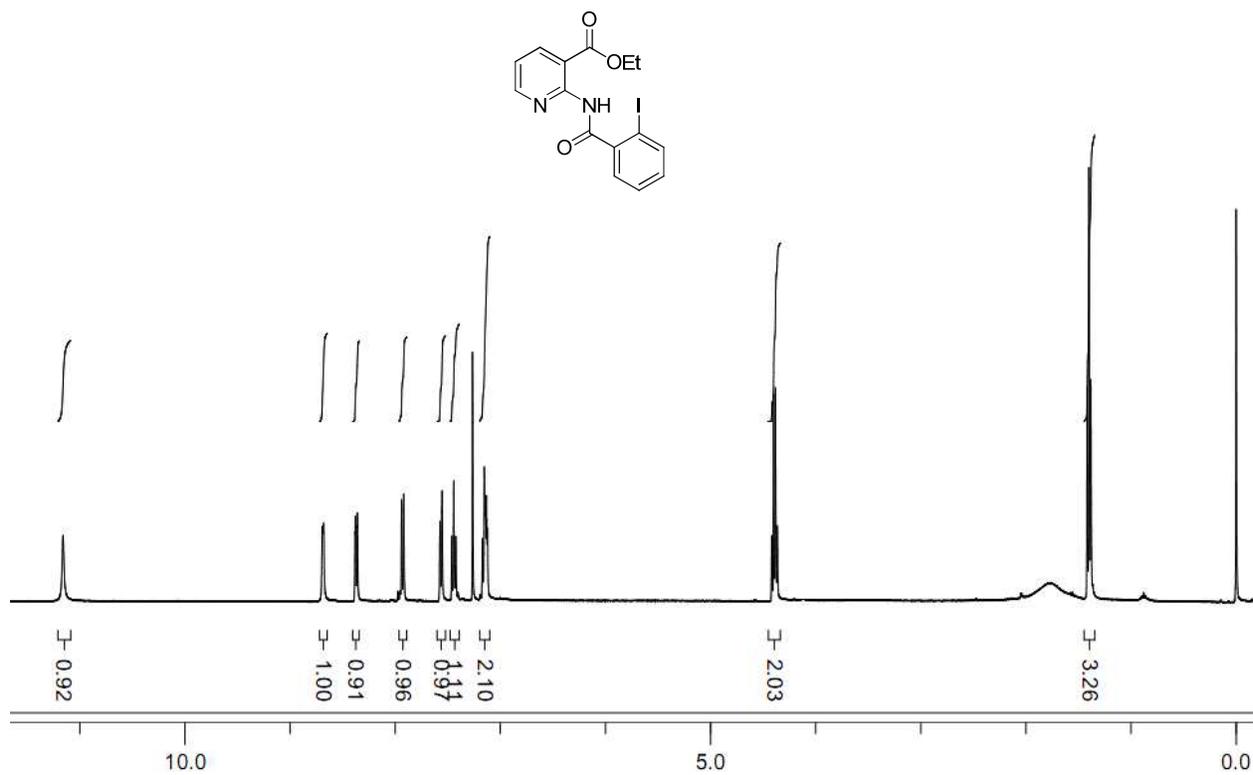


Fig. 13: ¹H NMR spectra of compound **1h** (CDCl₃, 400 MHz)

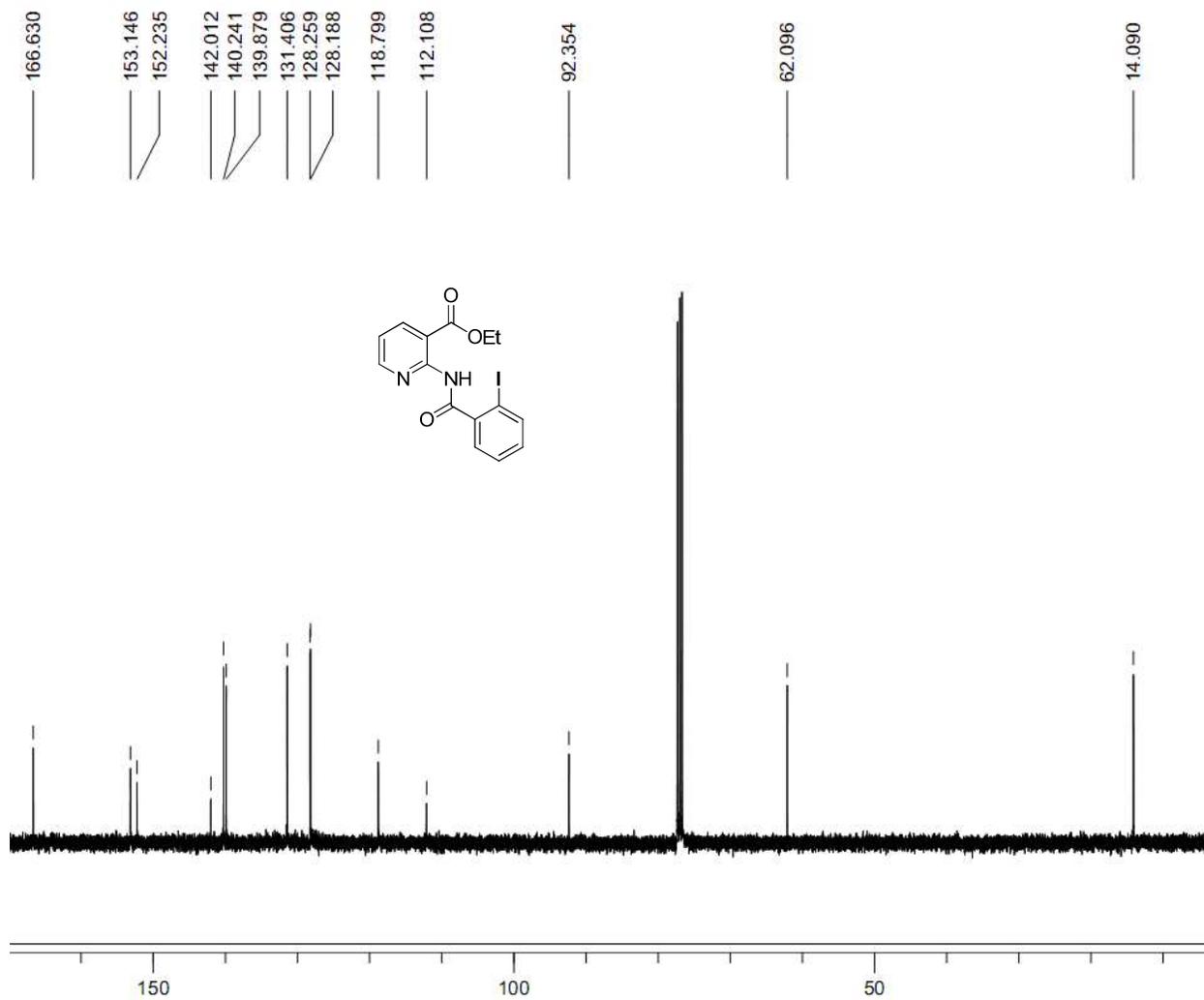


Fig. 14: ^{13}C NMR spectra of compound **1h** (CDCl_3 , 100 MHz)

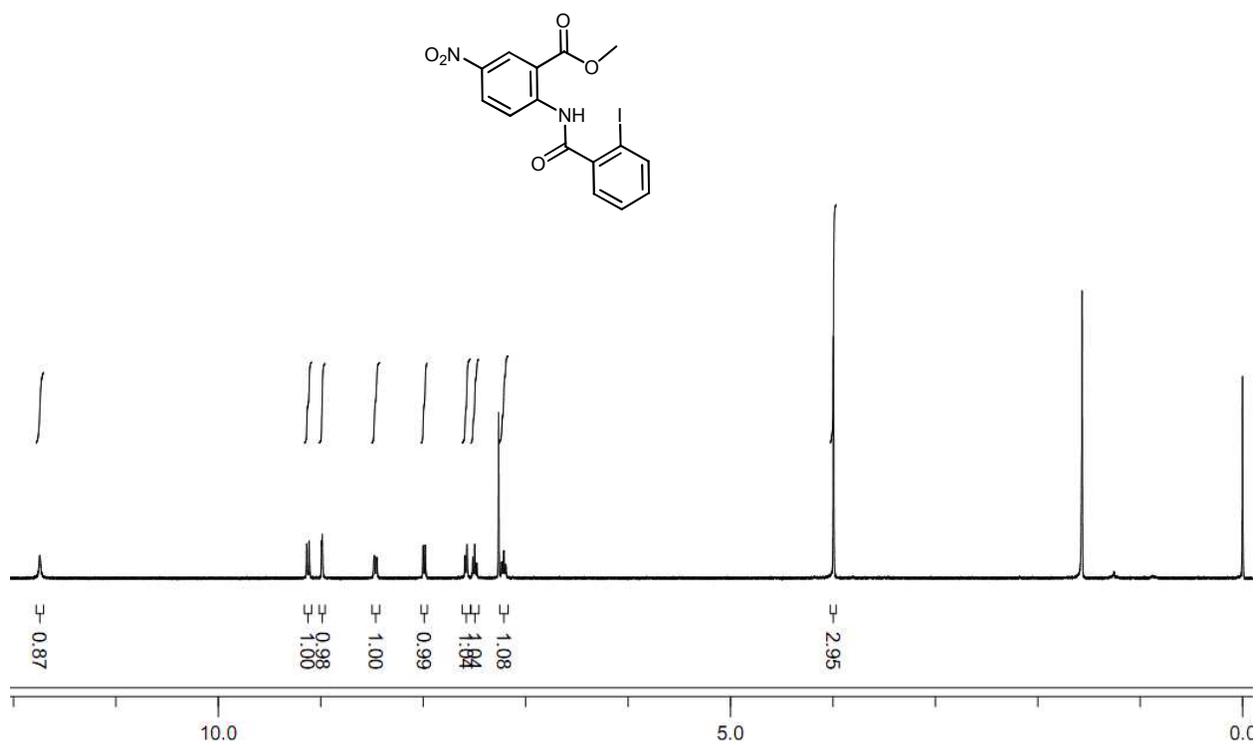


Fig. 15: ¹H NMR spectra of compound **1i** (CDCl₃, 400 MHz)

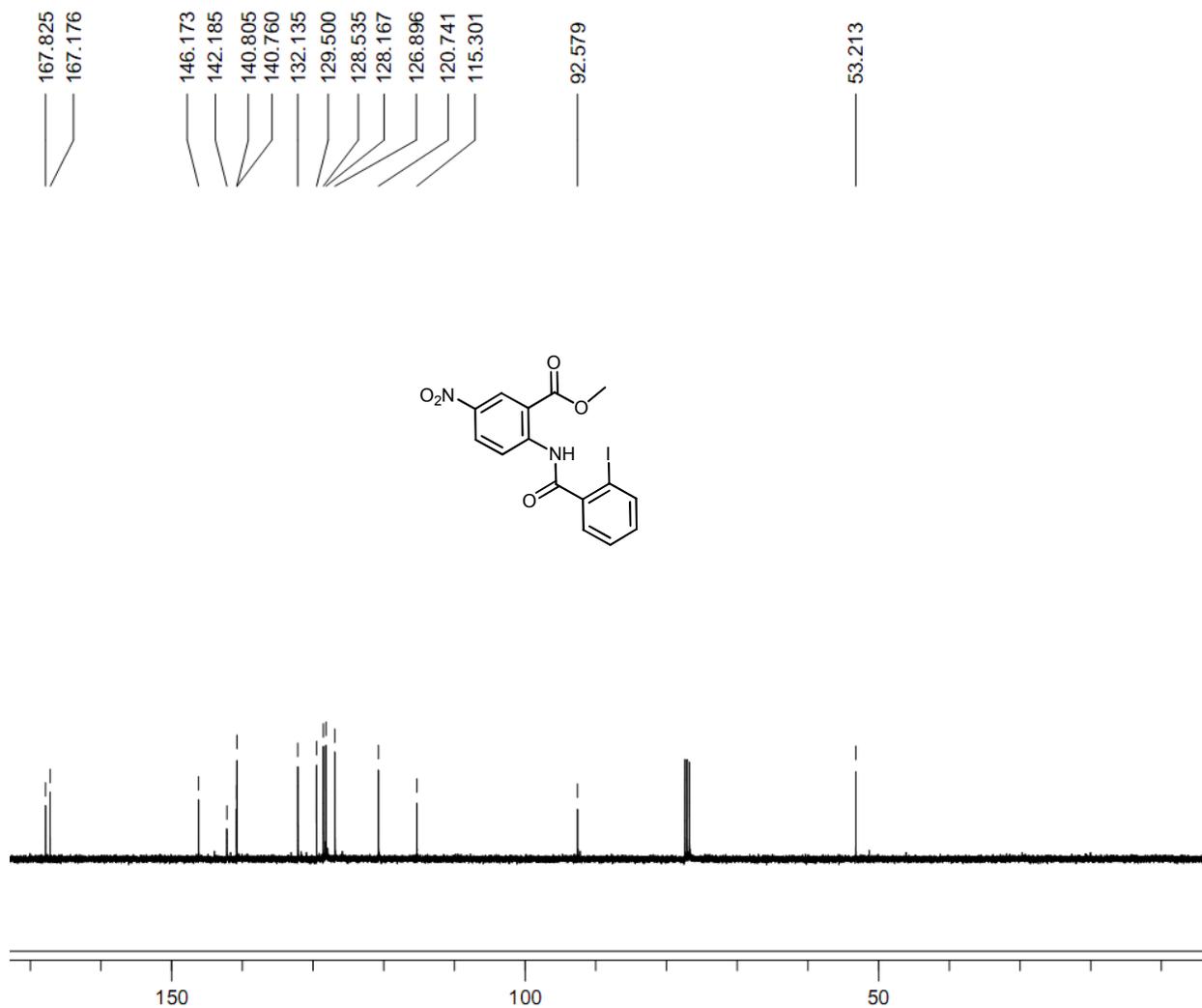


Fig. 16: ¹³C NMR spectra of compound **1i** (CDCl₃, 100 MHz)

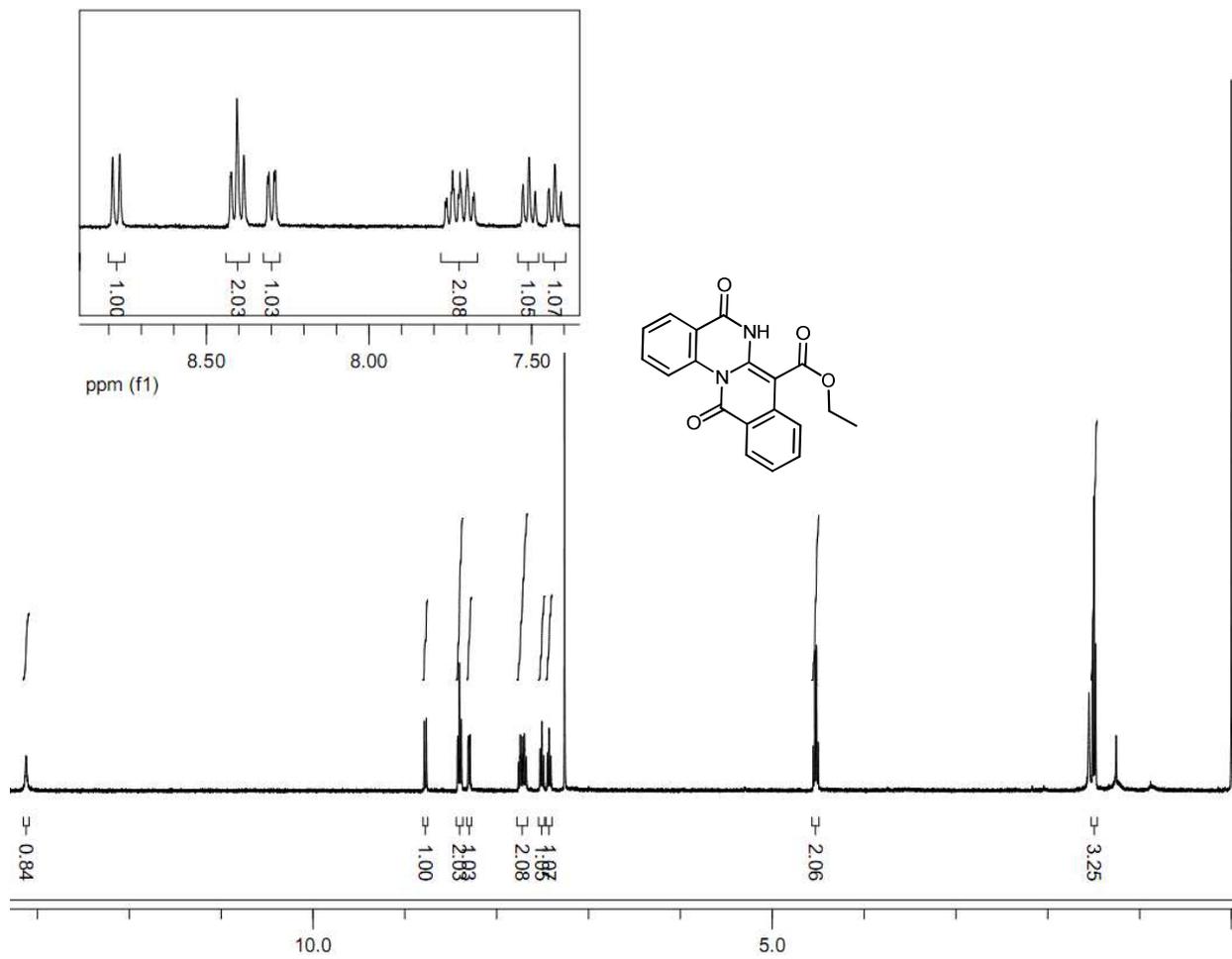


Fig. 17: ^1H NMR spectra of compound **3a** (CDCl_3 , 400 MHz)

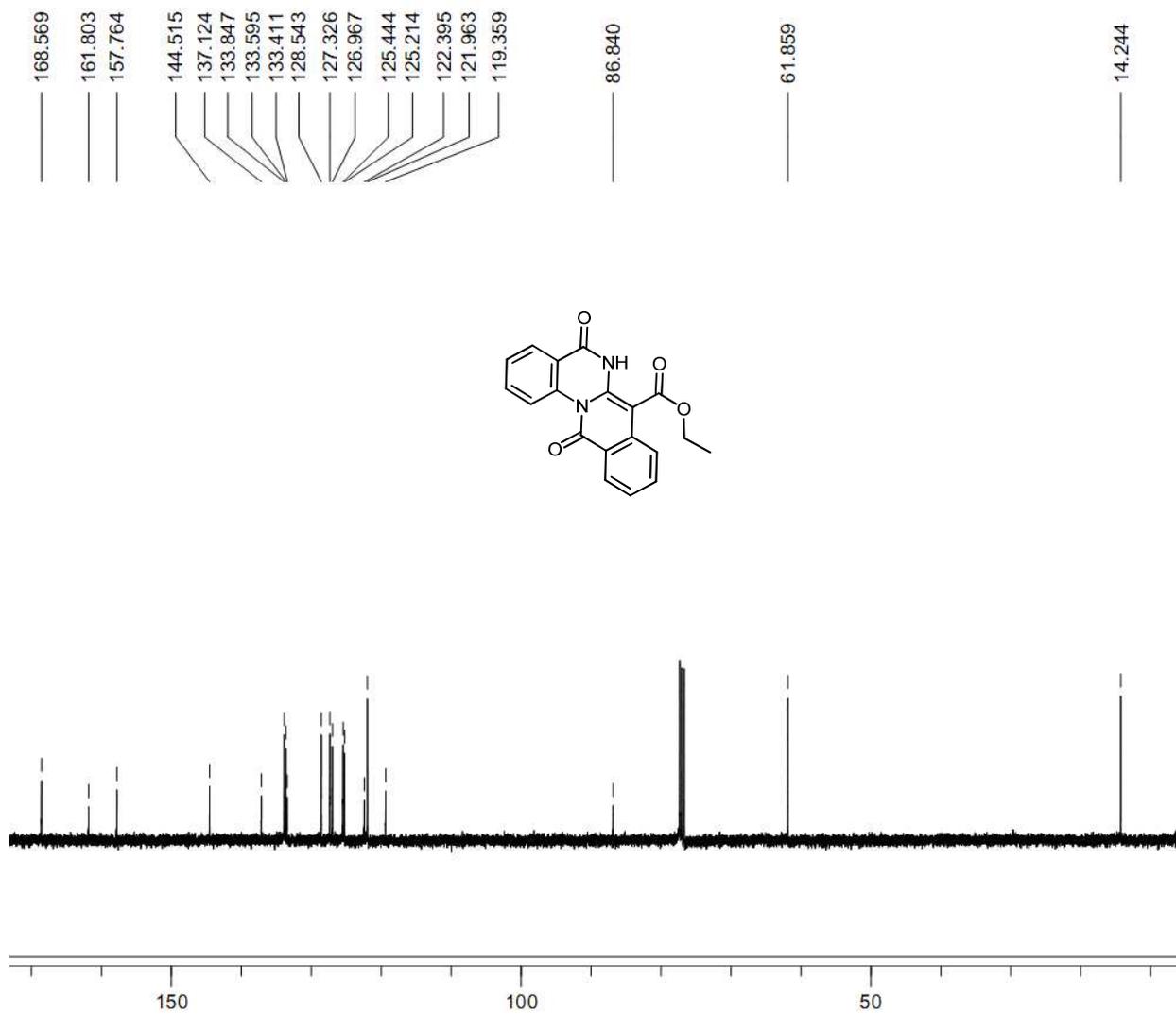


Fig. 18: ^{13}C NMR spectra of compound **3a** (CDCl_3 , 100 MHz)

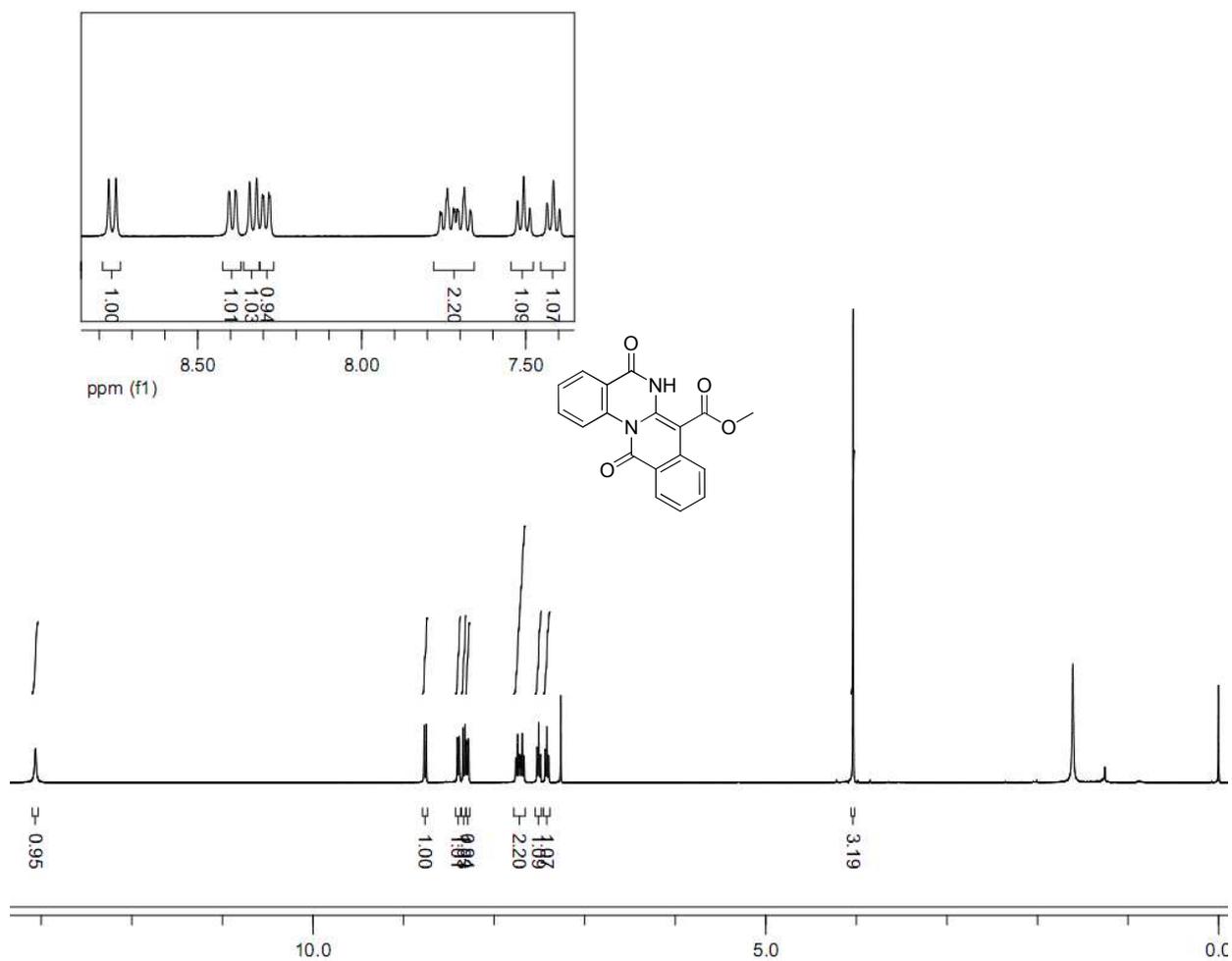


Fig. 19: ^1H NMR spectra of compound **3b** (CDCl_3 , 400 MHz)

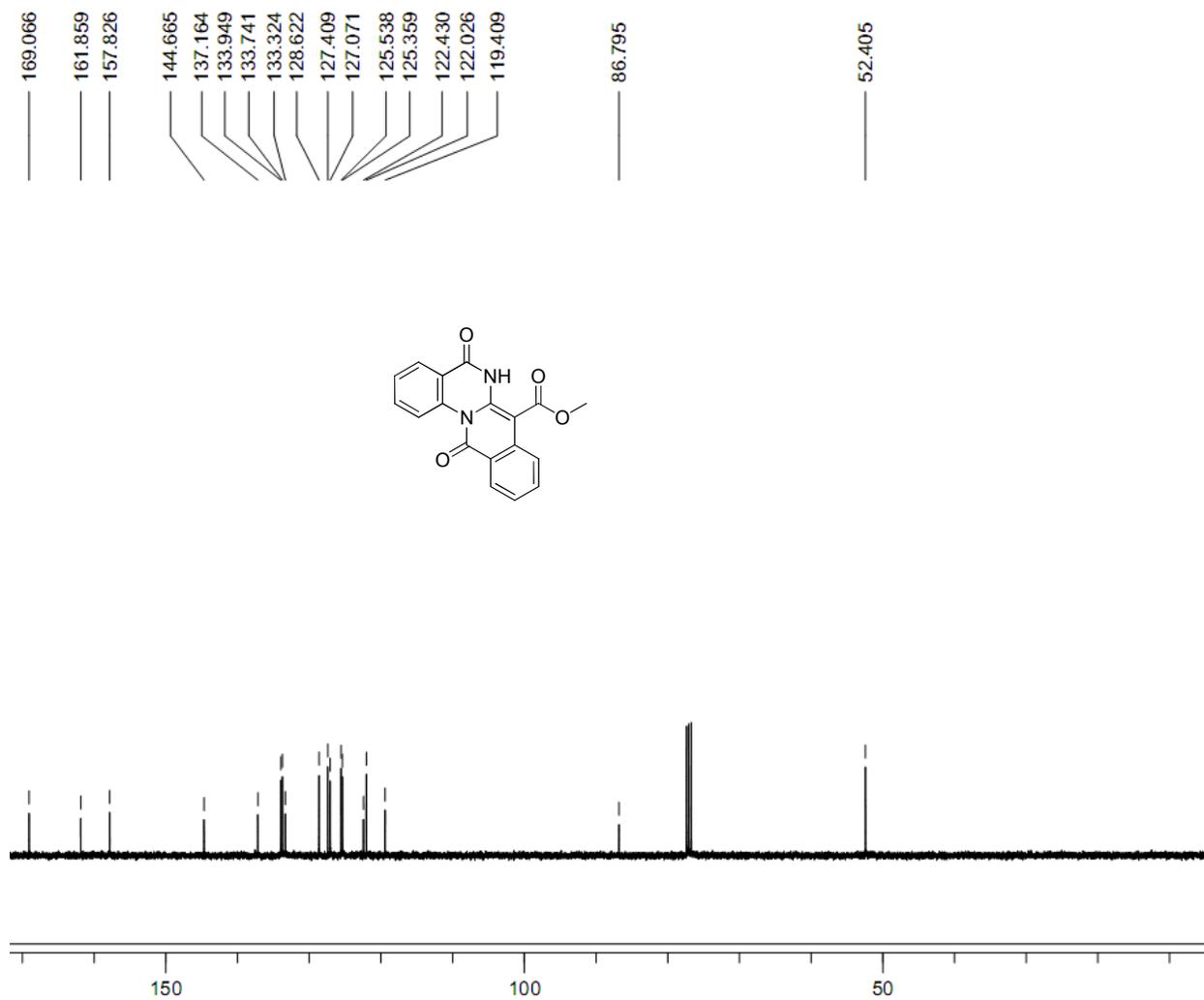


Fig. 20: ^{13}C NMR spectra of compound **3b** (CDCl_3 , 100 MHz)

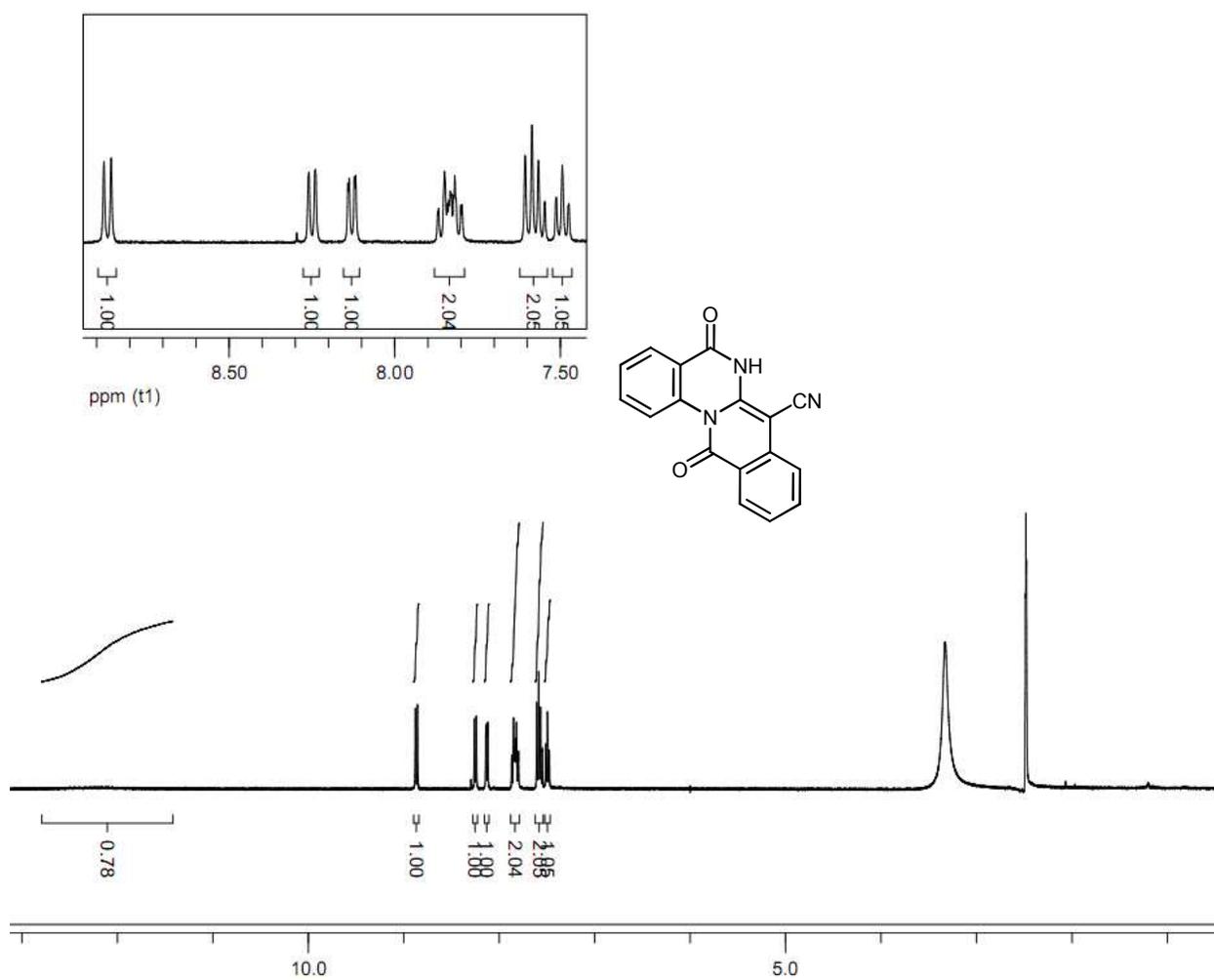


Fig. 21: ^1H NMR spectra of compound **3c** ($\text{DMSO-}d_6$, 400 MHz)

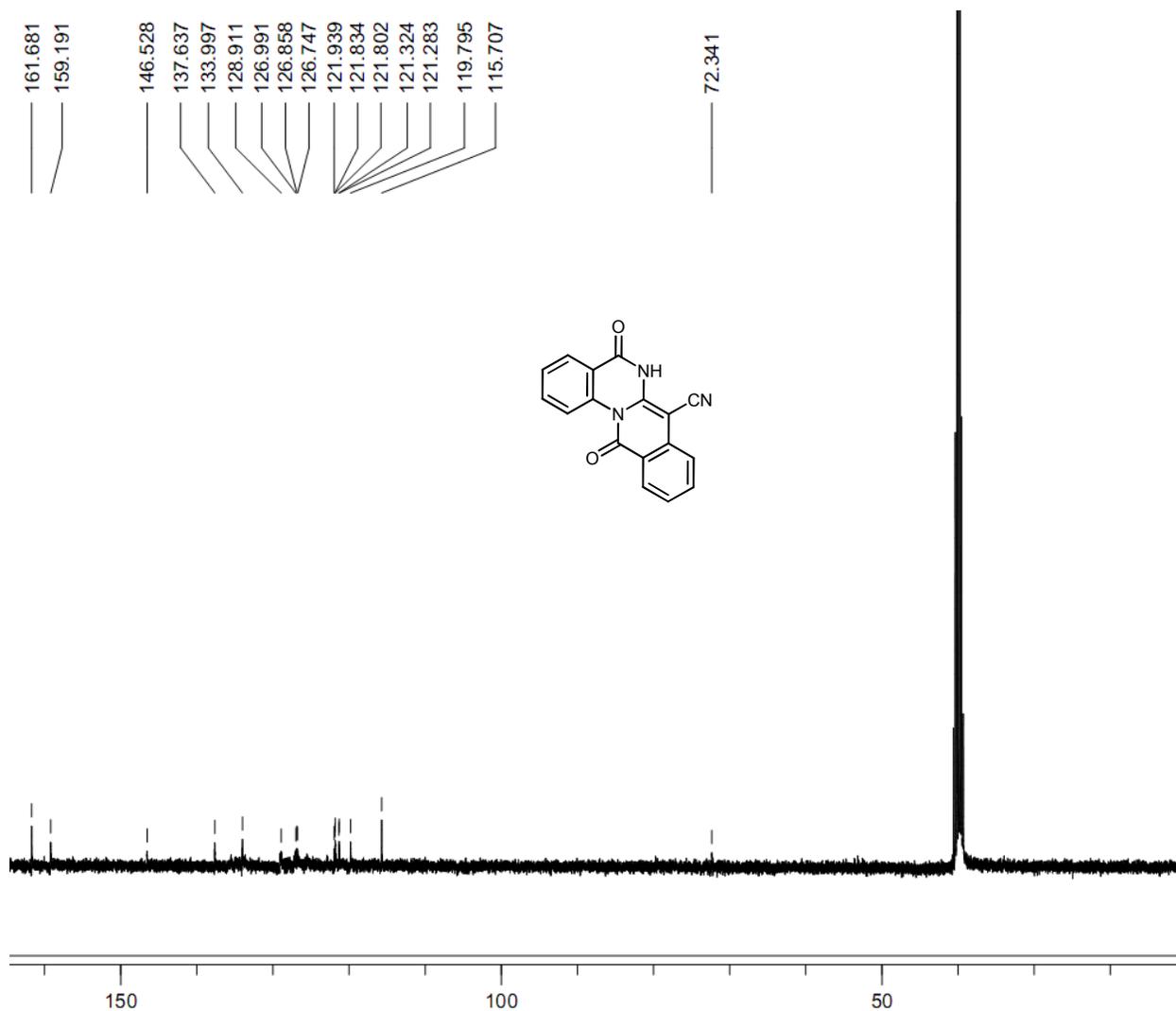


Fig. 22: ^{13}C NMR spectra of compound **3c** ($\text{DMSO-}d_6$, 100 MHz)

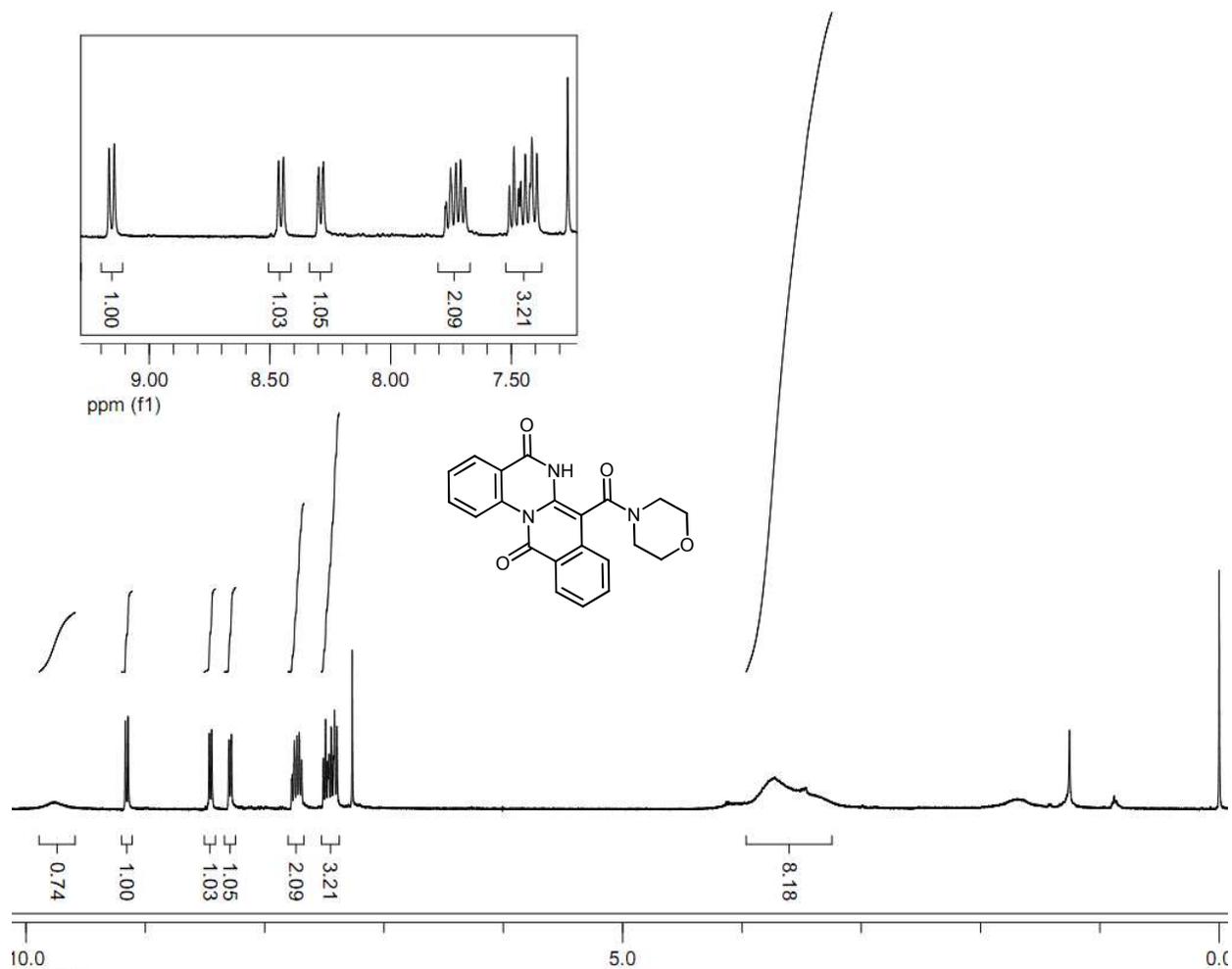


Fig. 23: ^1H NMR spectra of compound **3d** (CDCl_3 , 400 MHz)

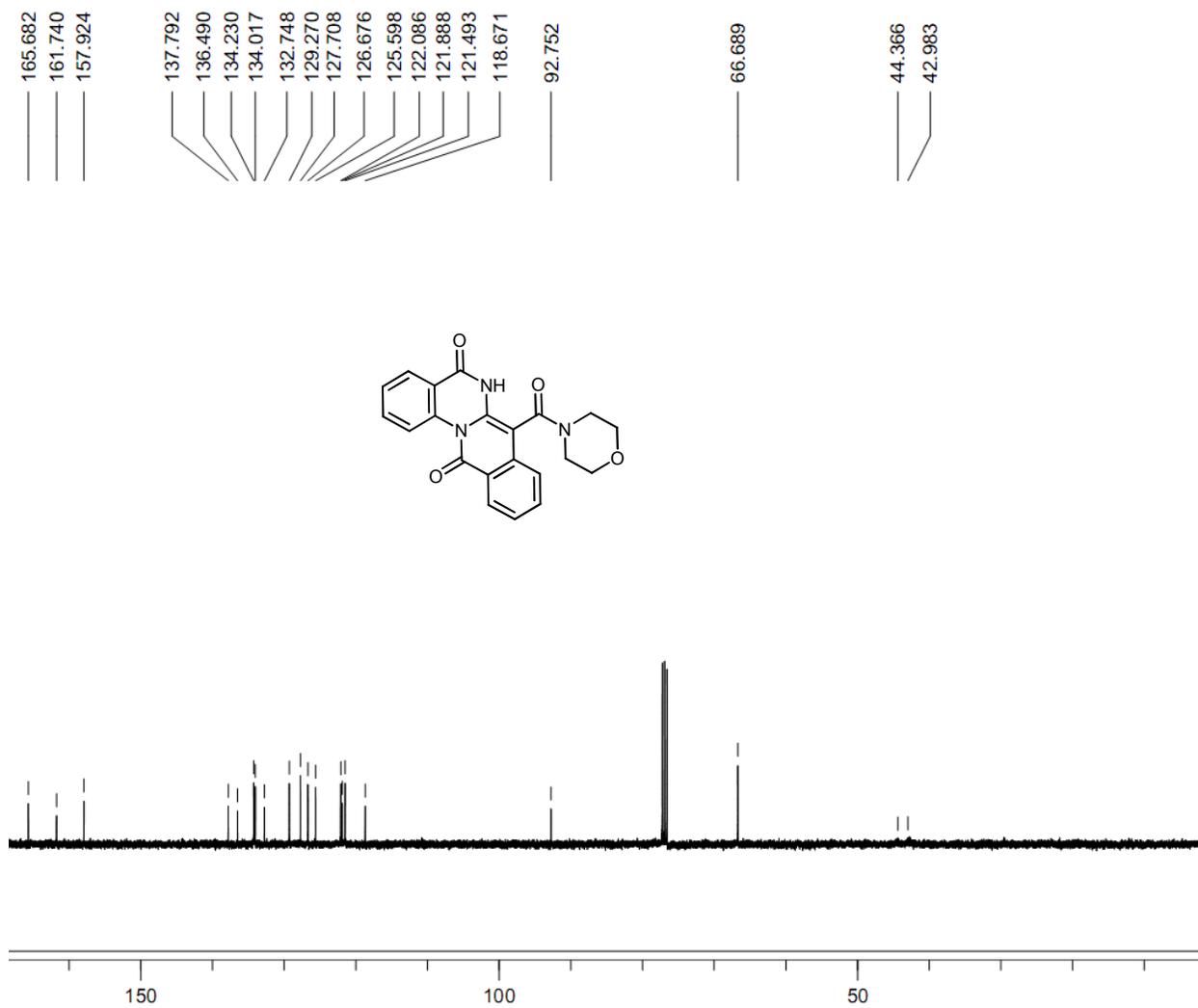


Fig. 24: ^{13}C NMR spectra of compound **3d** (CDCl₃, 100 MHz)

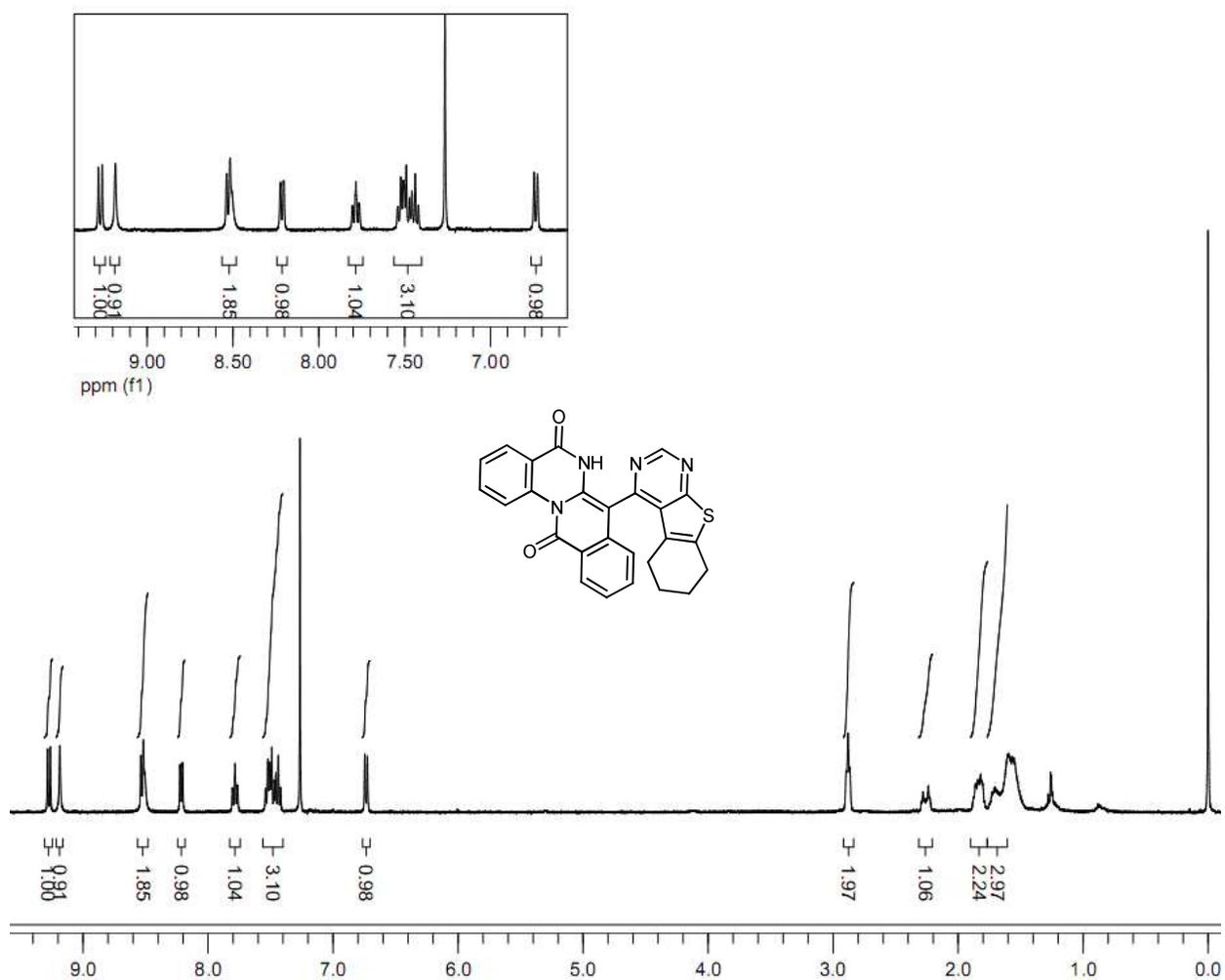


Fig. 25: ¹H NMR spectra of compound **3e** (CDCl₃, 400 MHz)

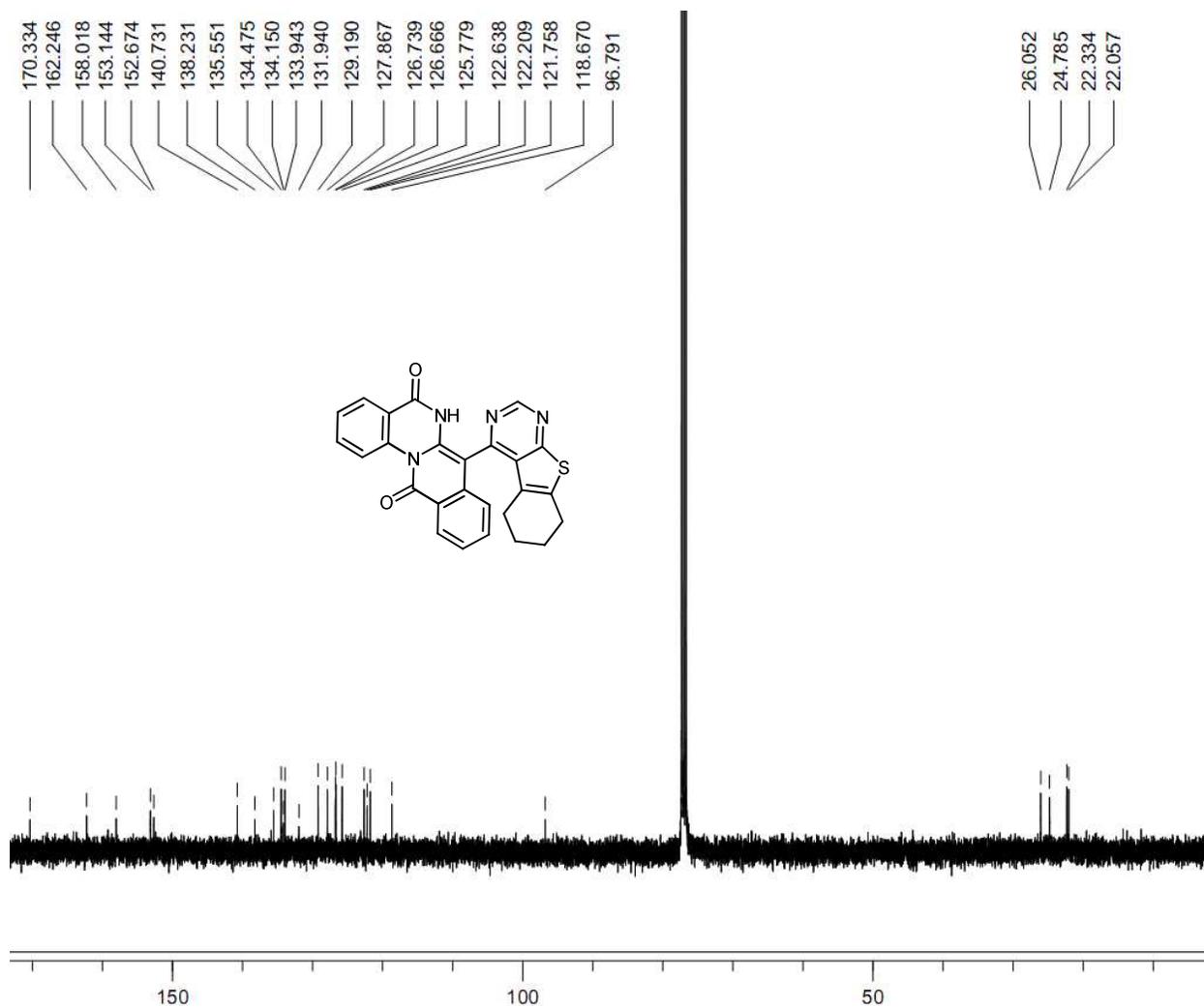


Fig. 26: ¹³C NMR spectra of compound **3e** (CDCl₃, 100 MHz)

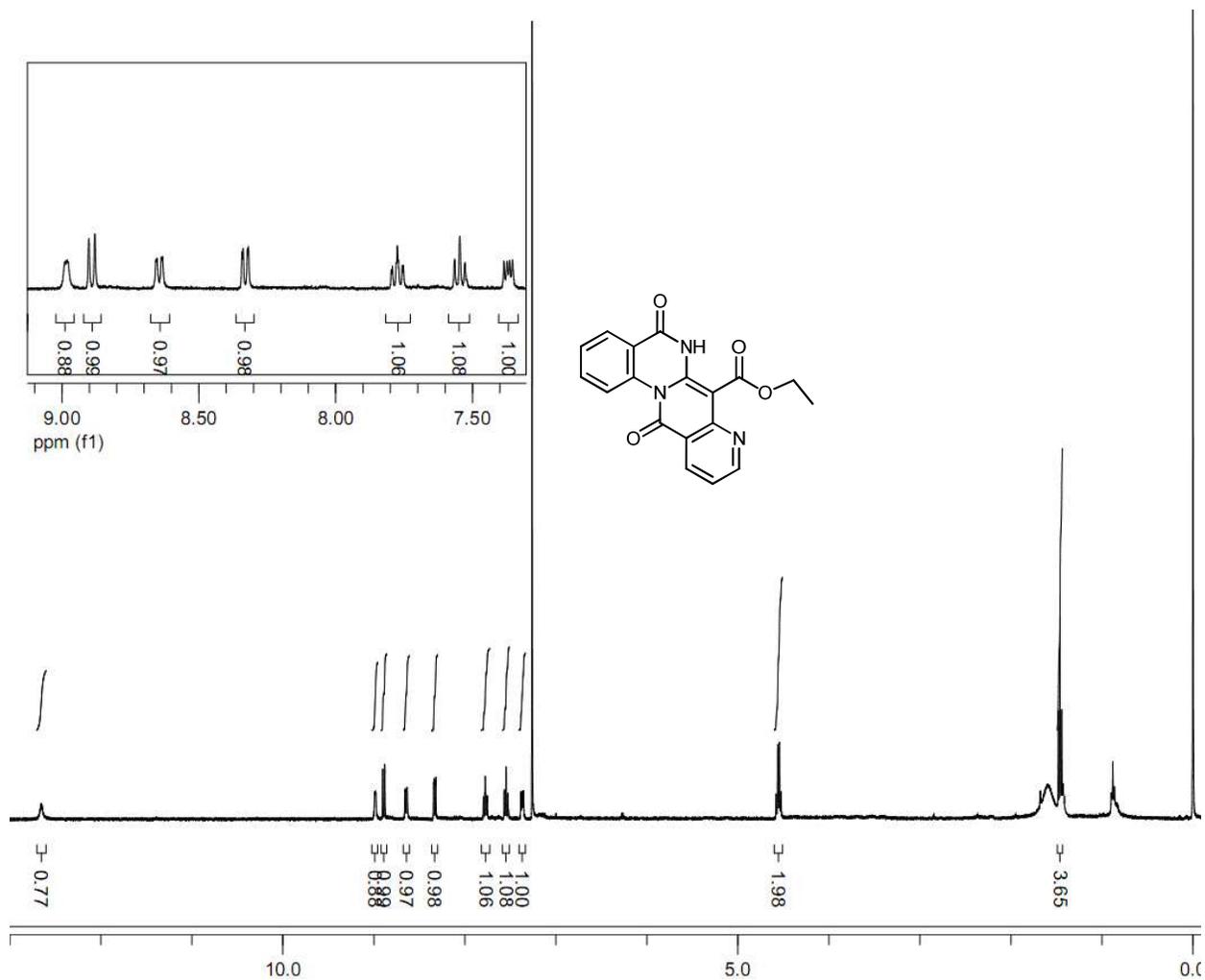


Fig. 27: ^1H NMR spectra of compound **3f** (CDCl_3 , 400 MHz)

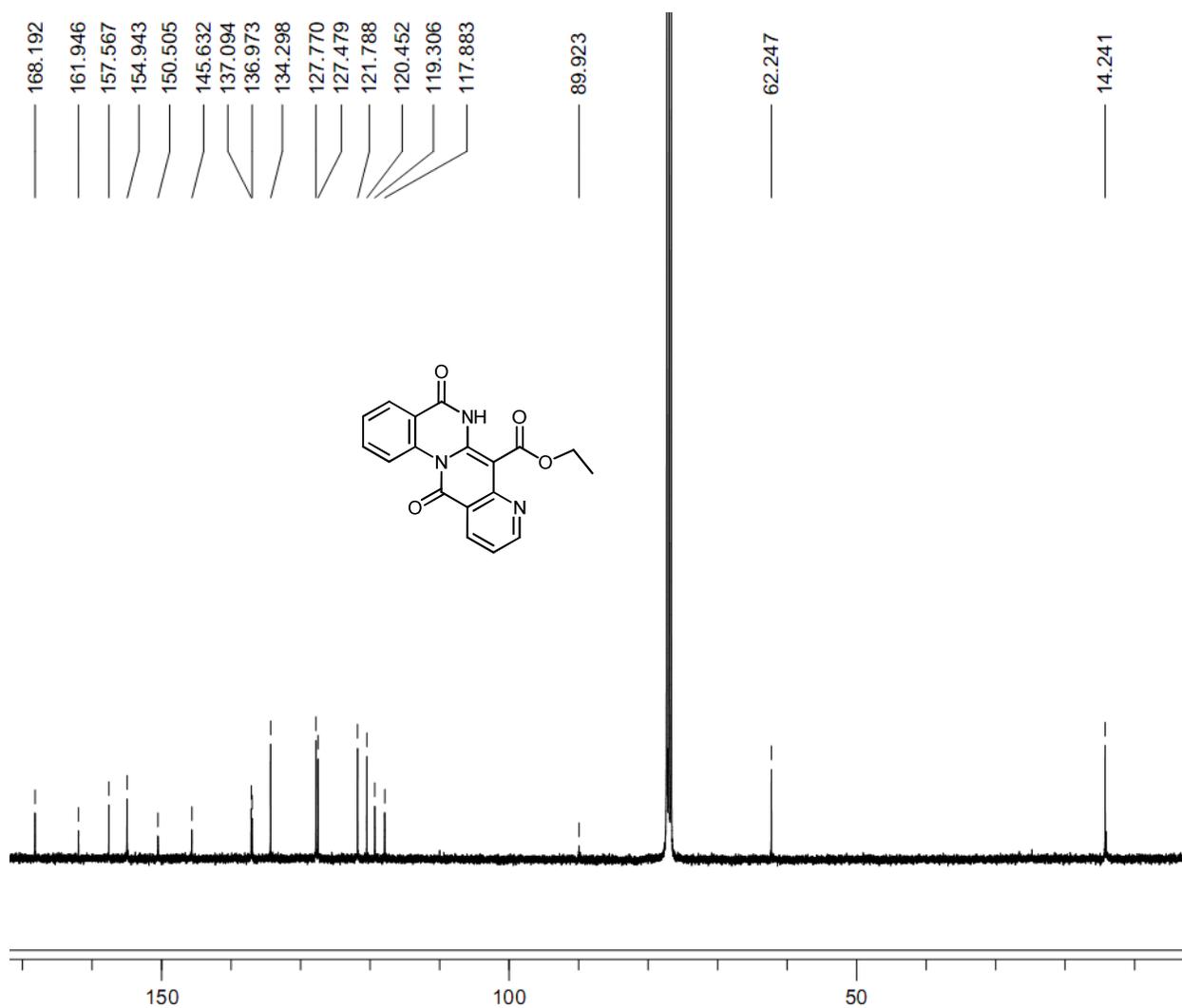


Fig. 28: ¹³C NMR spectra of compound **3f** (CDCl₃, 100 MHz)

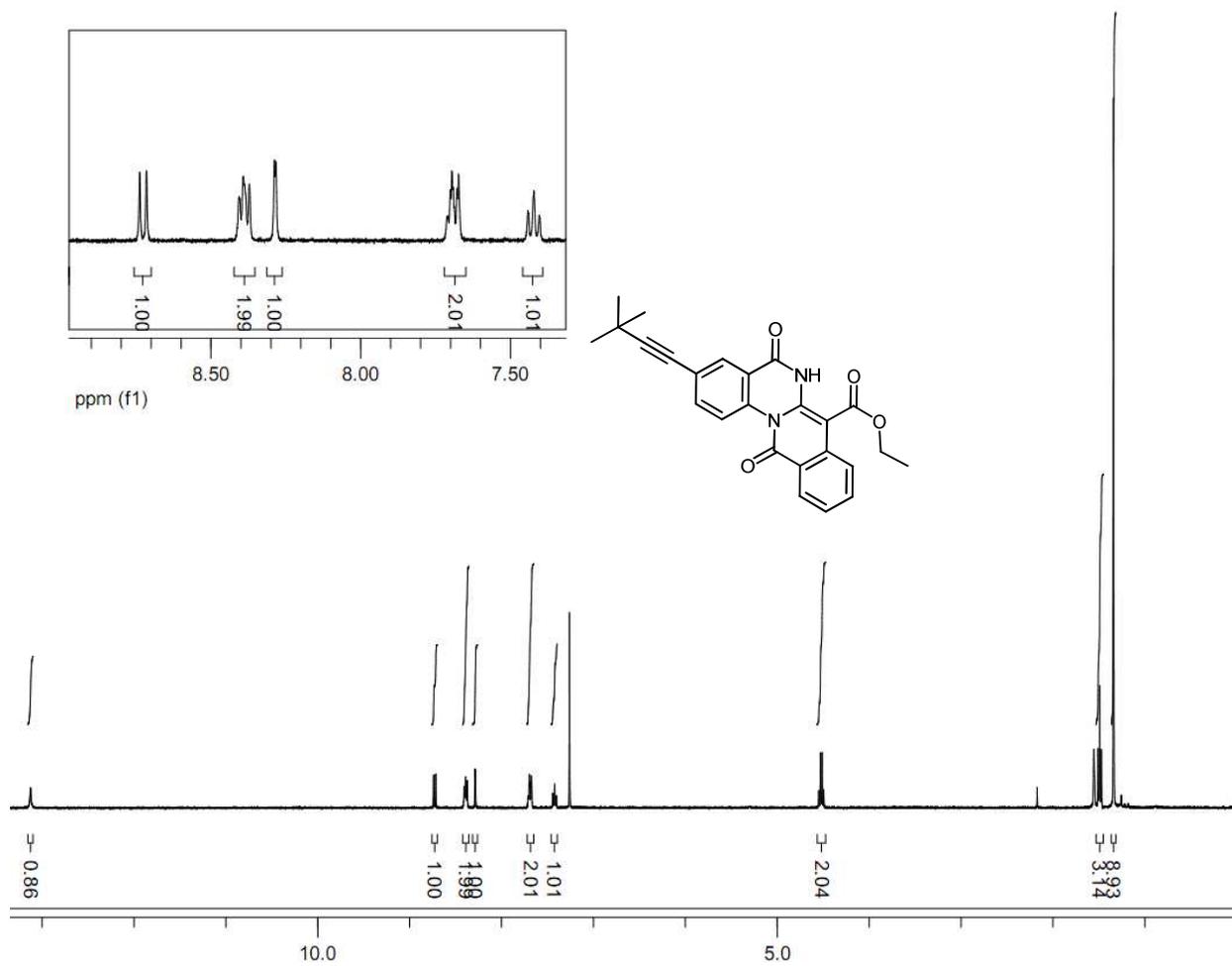


Fig. 29: ^1H NMR spectra of compound **3g** (CDCl_3 , 400 MHz)

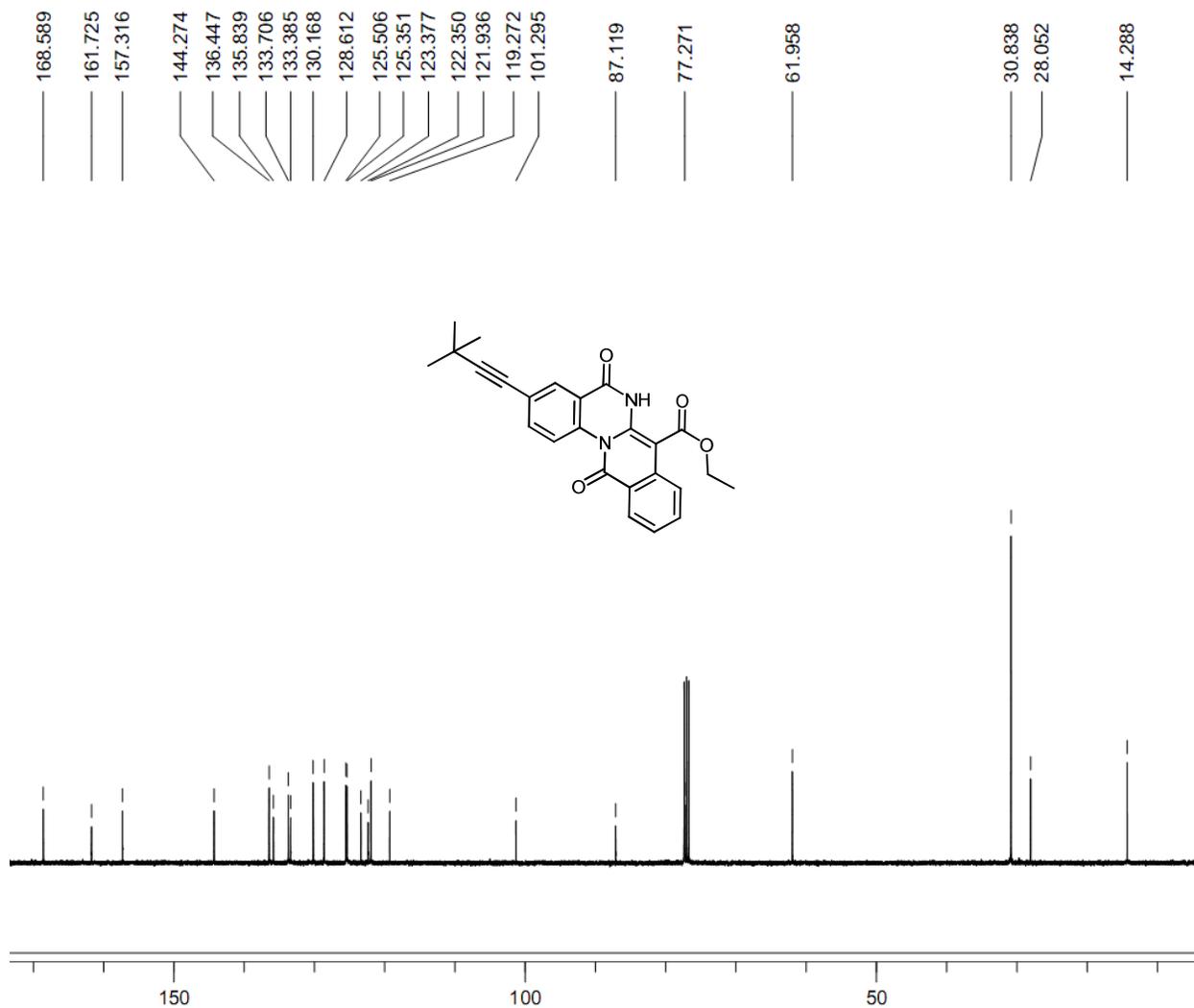


Fig. 30: ^{13}C NMR spectra of compound **3g** (CDCl_3 , 100 MHz)

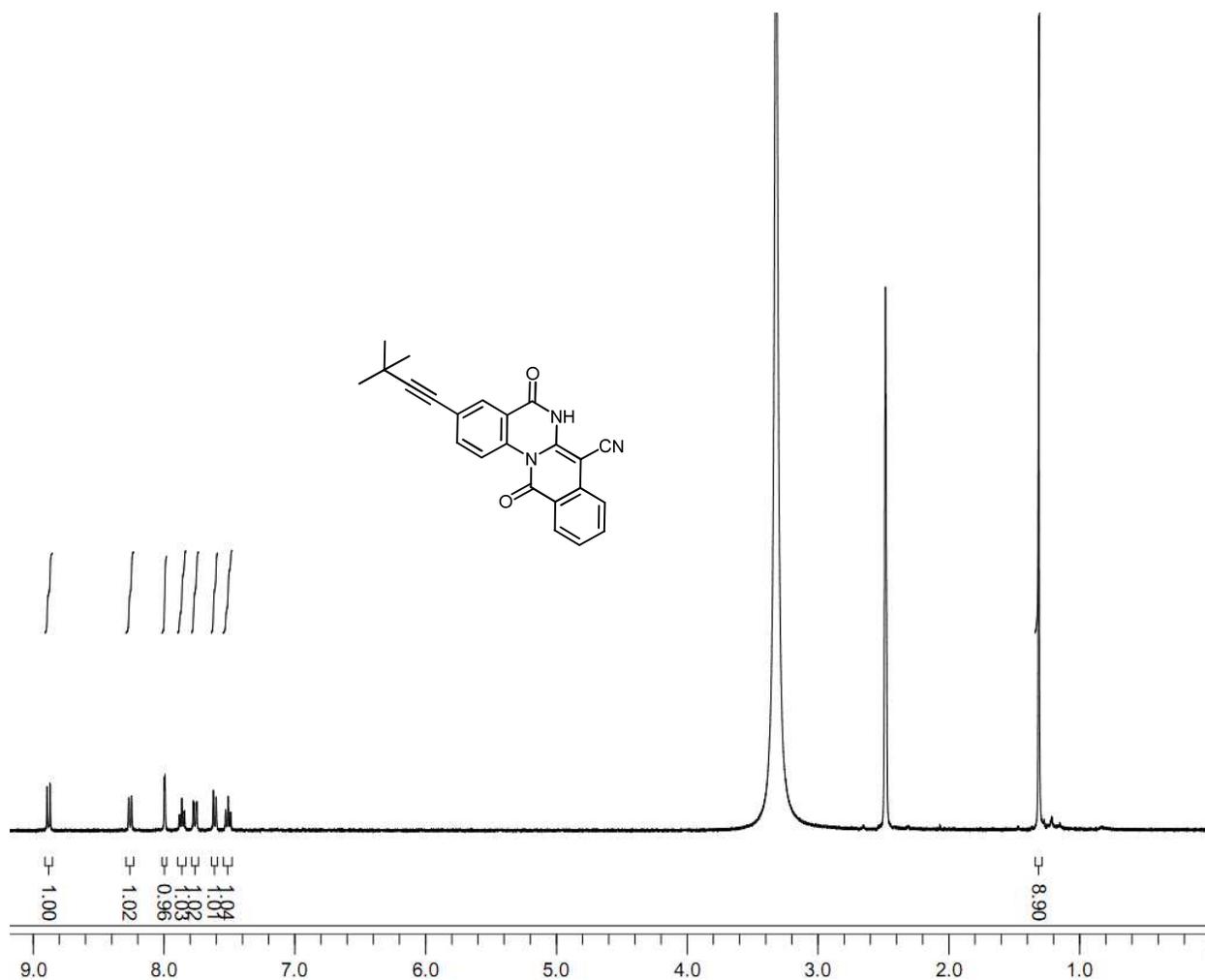


Fig. 31: ^1H NMR spectra of compound **3h** ($\text{DMSO-}d_6$, 400 MHz)

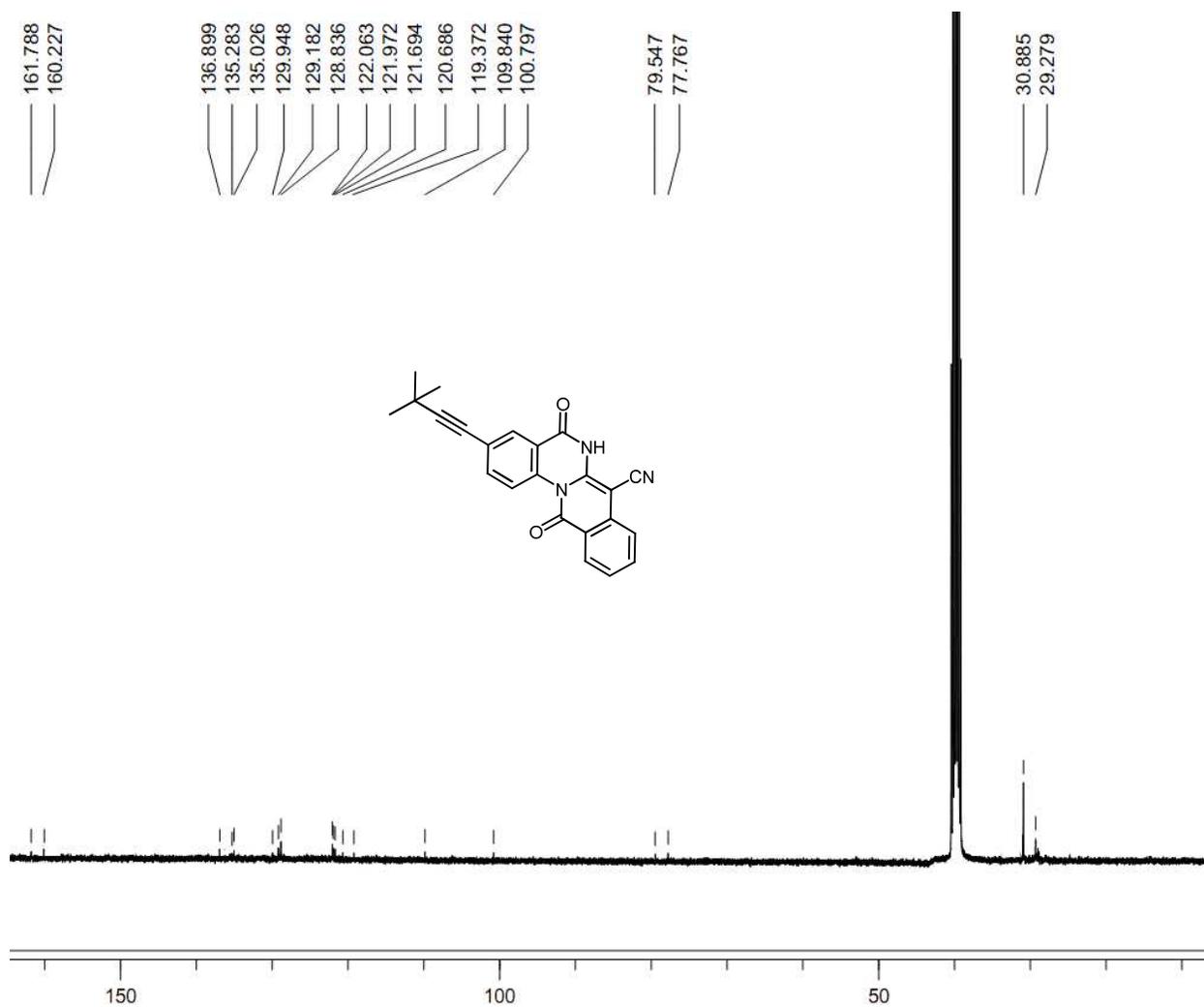


Fig. 32: ^{13}C NMR spectra of compound **3h** ($\text{DMSO-}d_6$, 100 MHz)

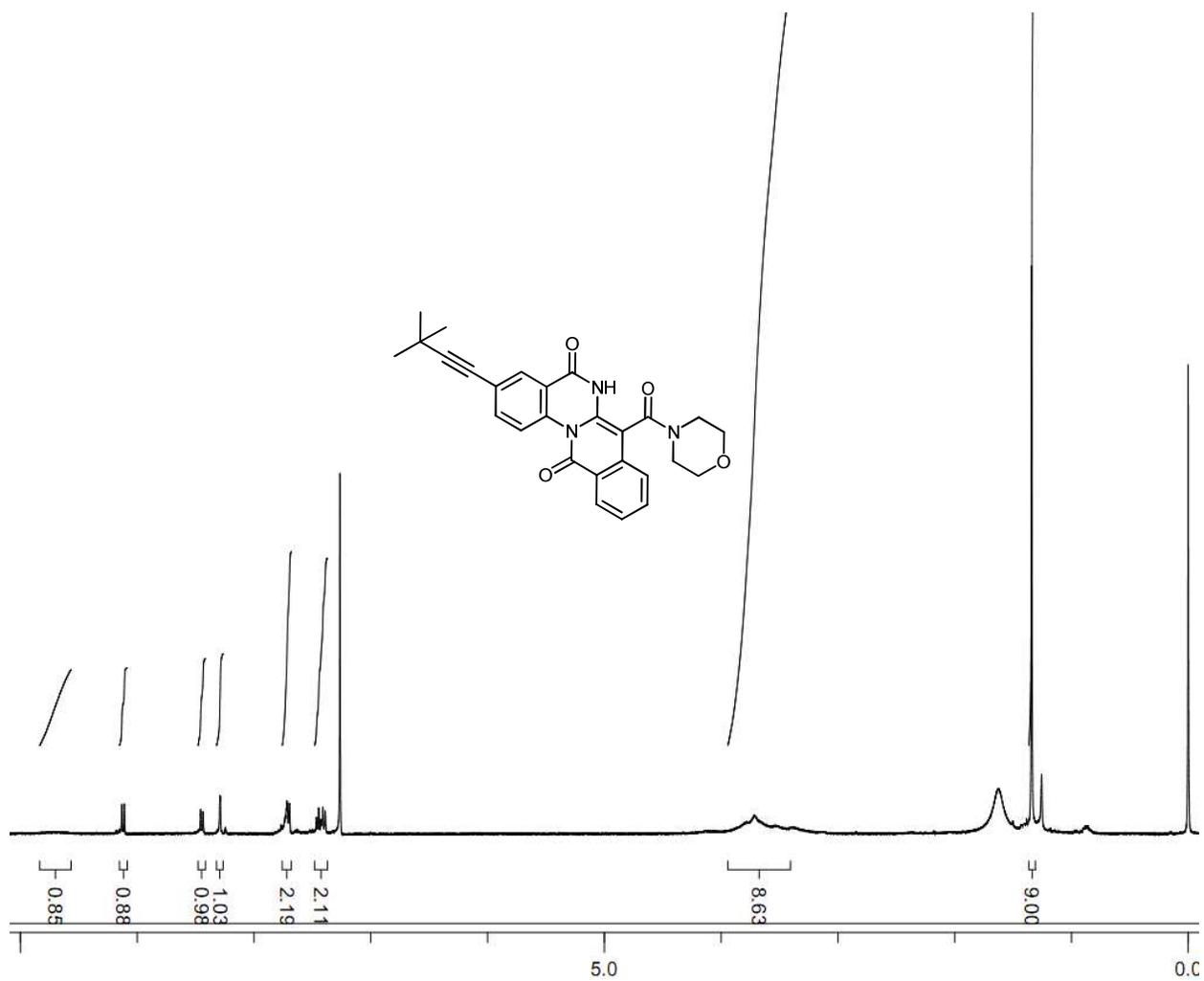


Fig. 33: ¹H NMR spectra of compound **3i** (CDCl₃, 400 MHz)

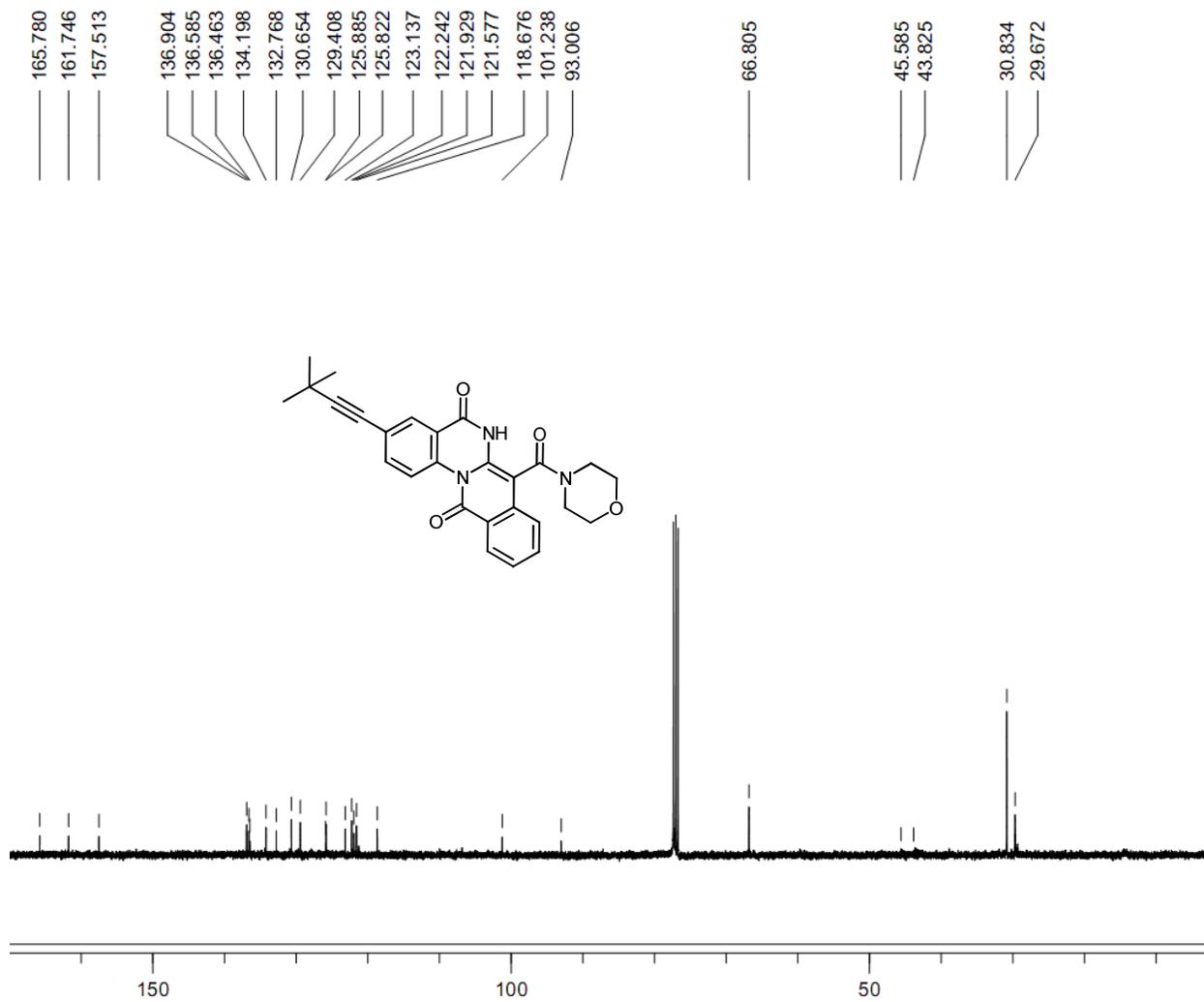


Fig. 34: ^{13}C NMR spectra of compound **3i** (CDCl_3 , 100 MHz)

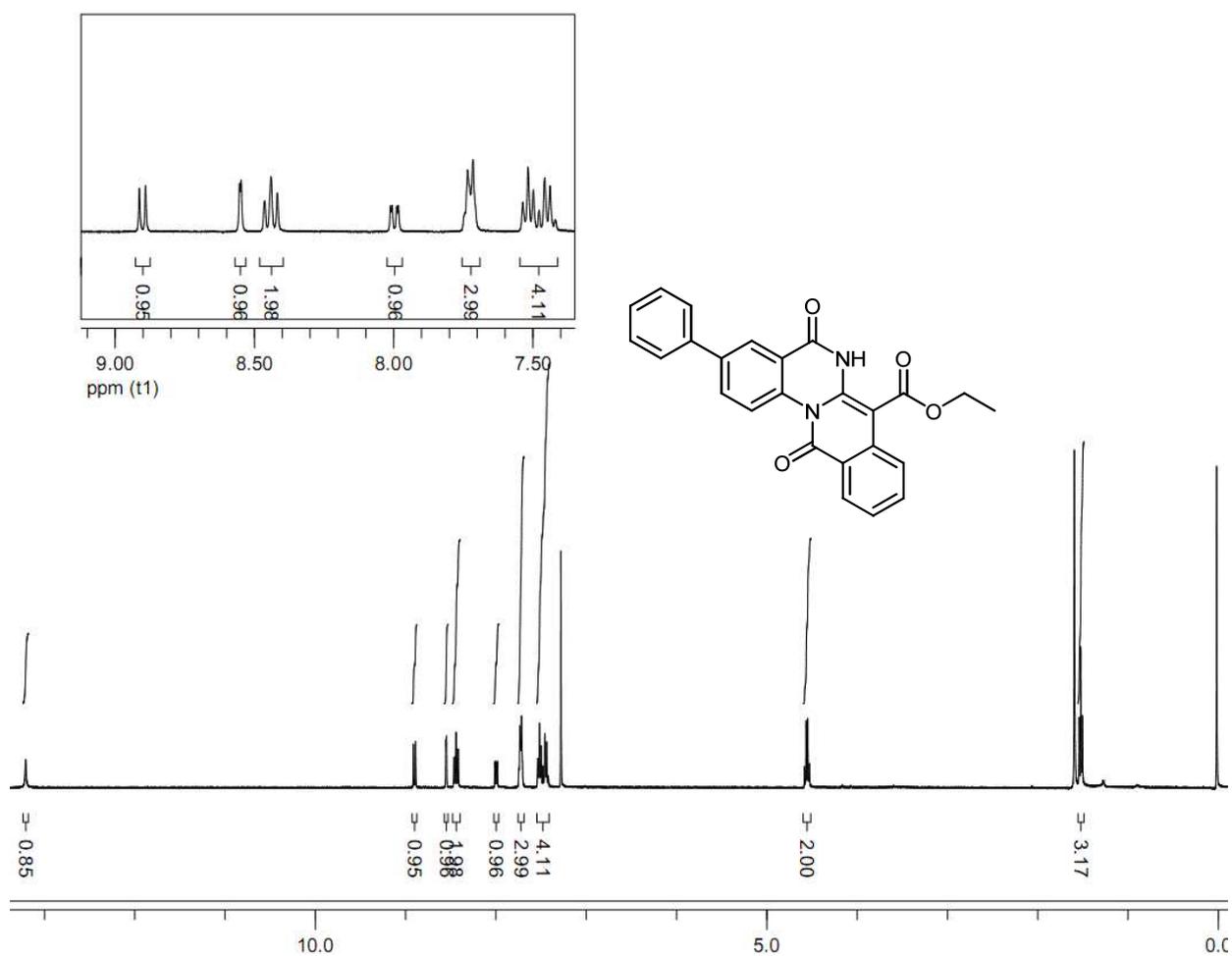


Fig. 35: ^1H NMR spectra of compound **3j** (CDCl_3 , 400 MHz)

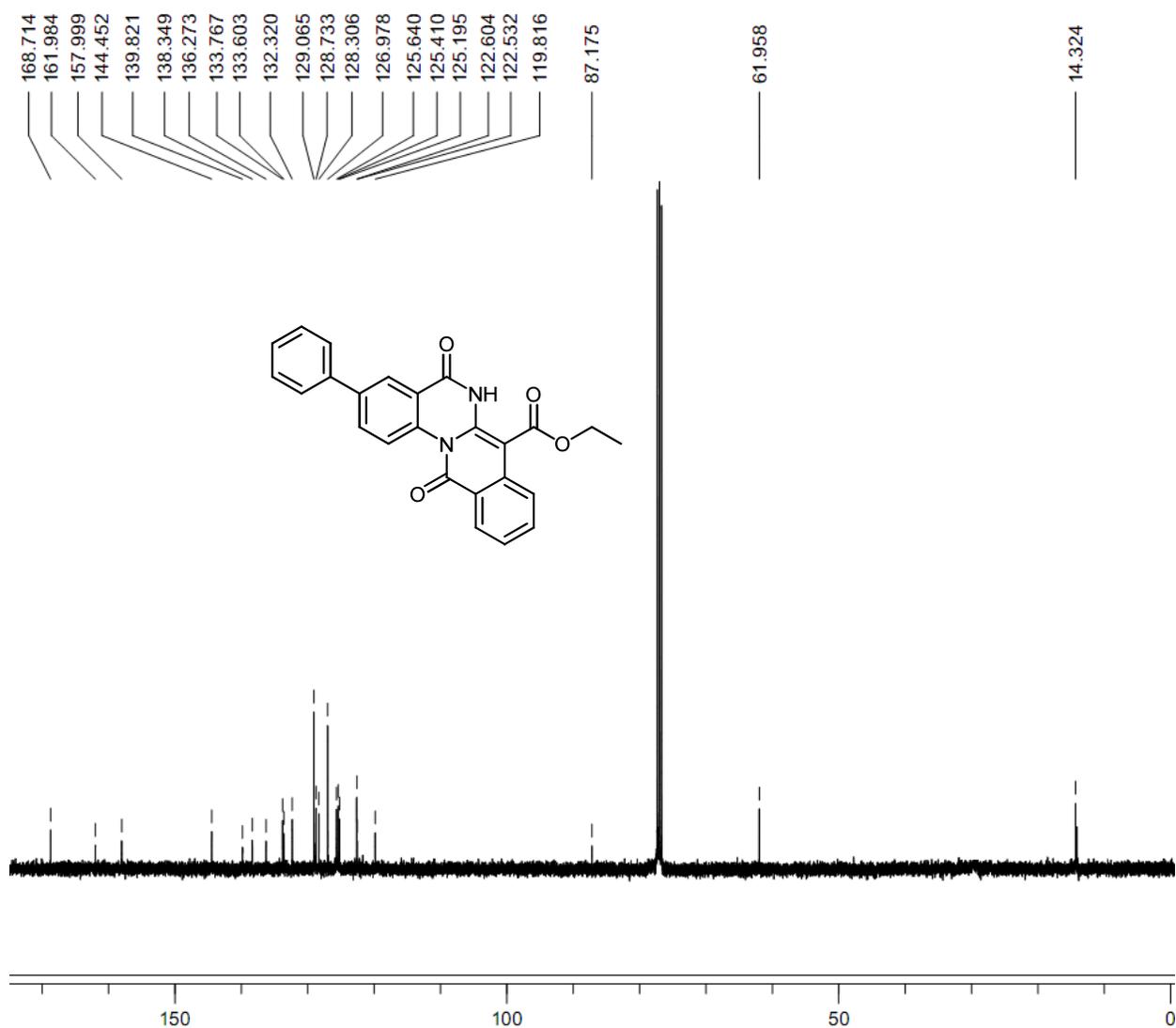


Fig. 36: ¹³C NMR spectra of compound **3j** (CDCl₃, 100 MHz)

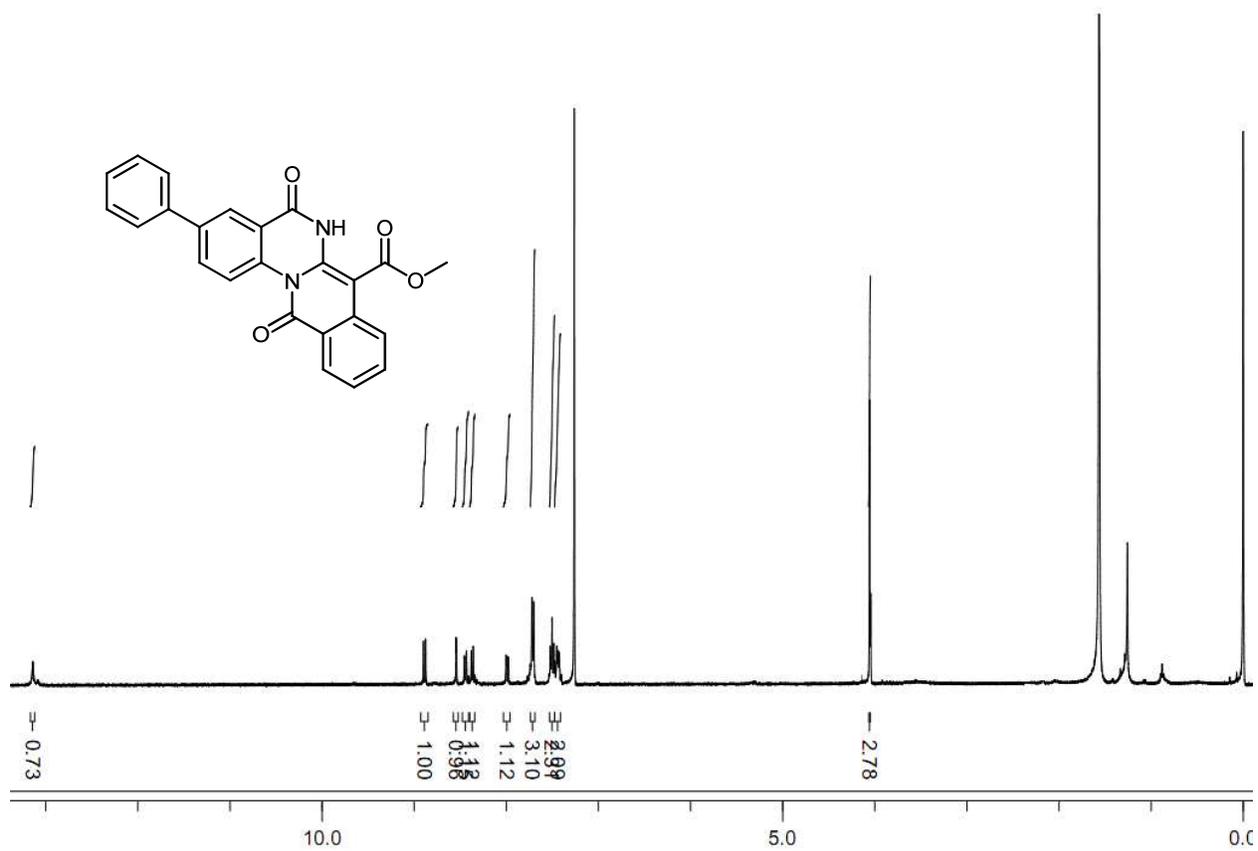


Fig. 37: ¹H NMR spectra of compound **3k** (CDCl₃, 400 MHz)

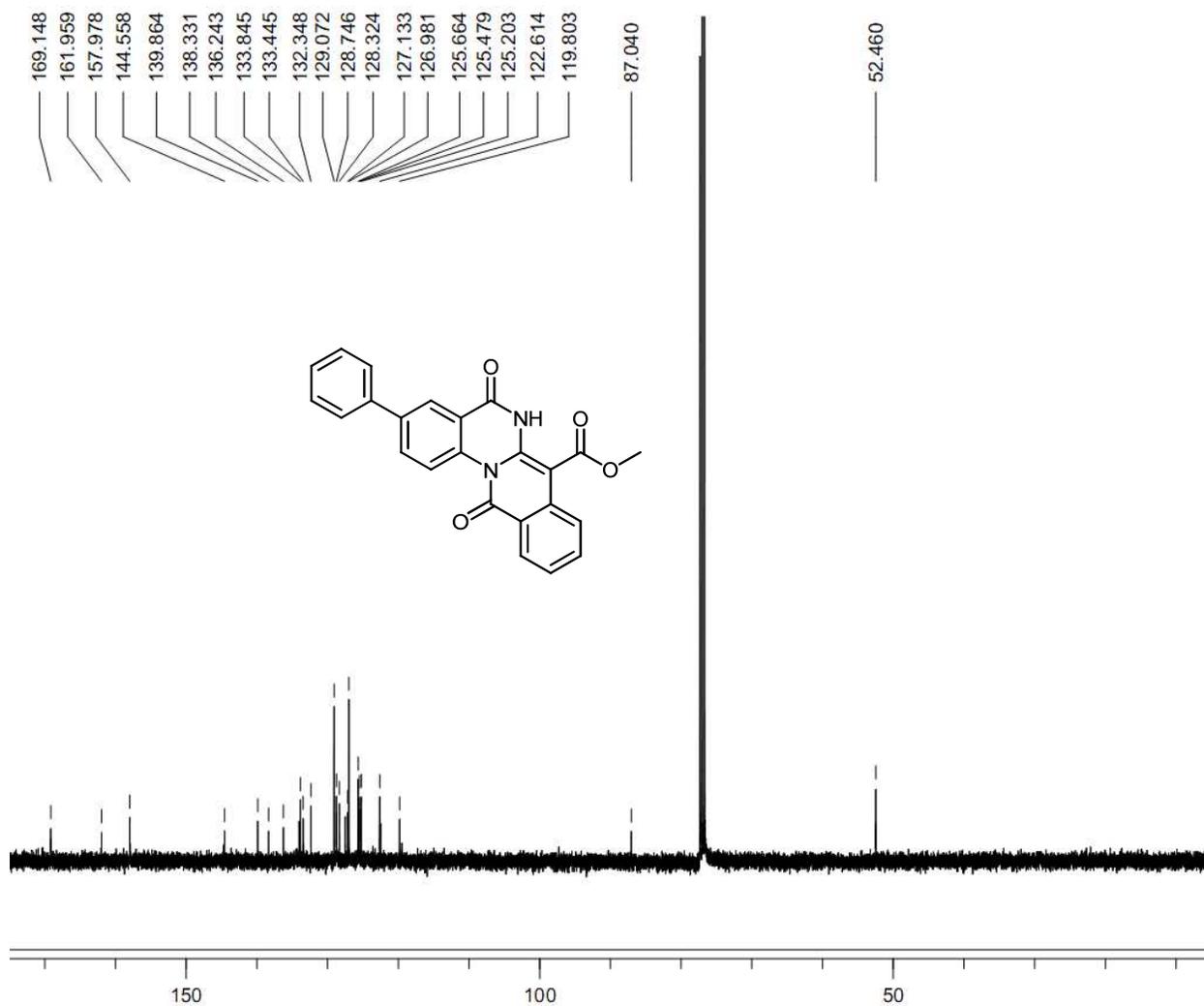


Fig. 38: ^{13}C NMR spectra of compound **3k** (CDCl_3 , 100 MHz)

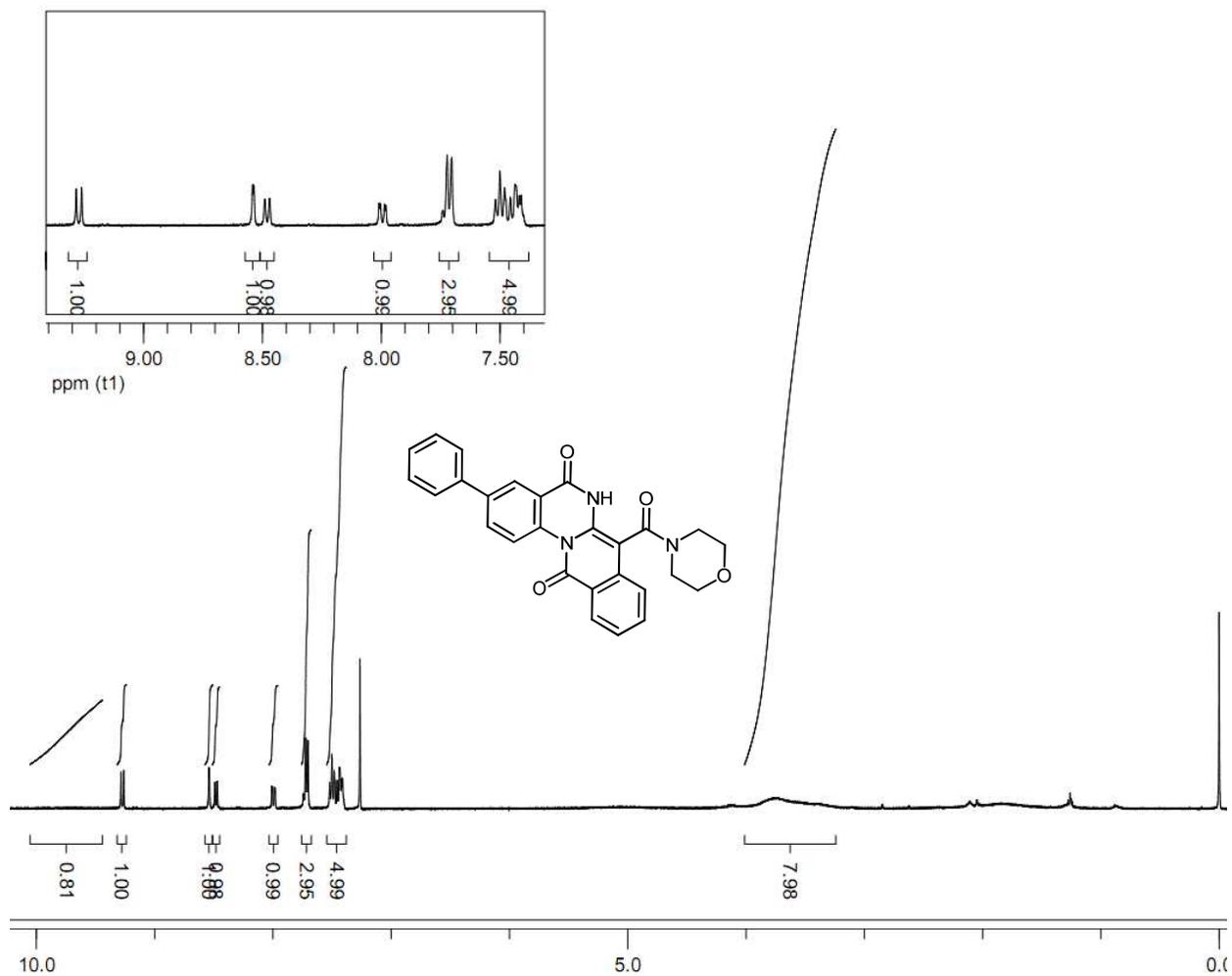


Fig. 39: ^1H NMR spectra of compound **31** (CDCl_3 , 400 MHz)

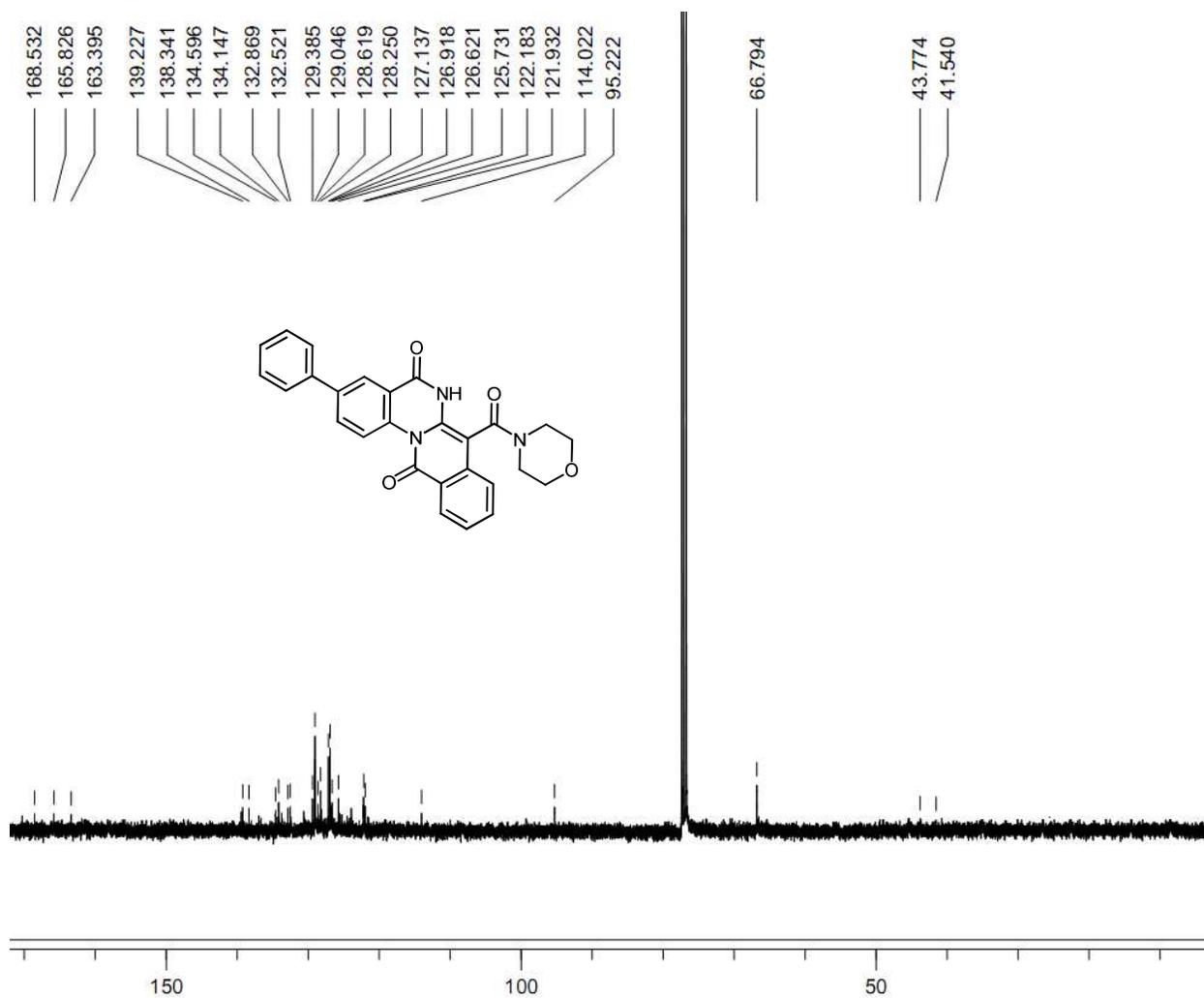


Fig. 40: ^{13}C NMR spectra of compound **3l** (CDCl_3 , 100 MHz)

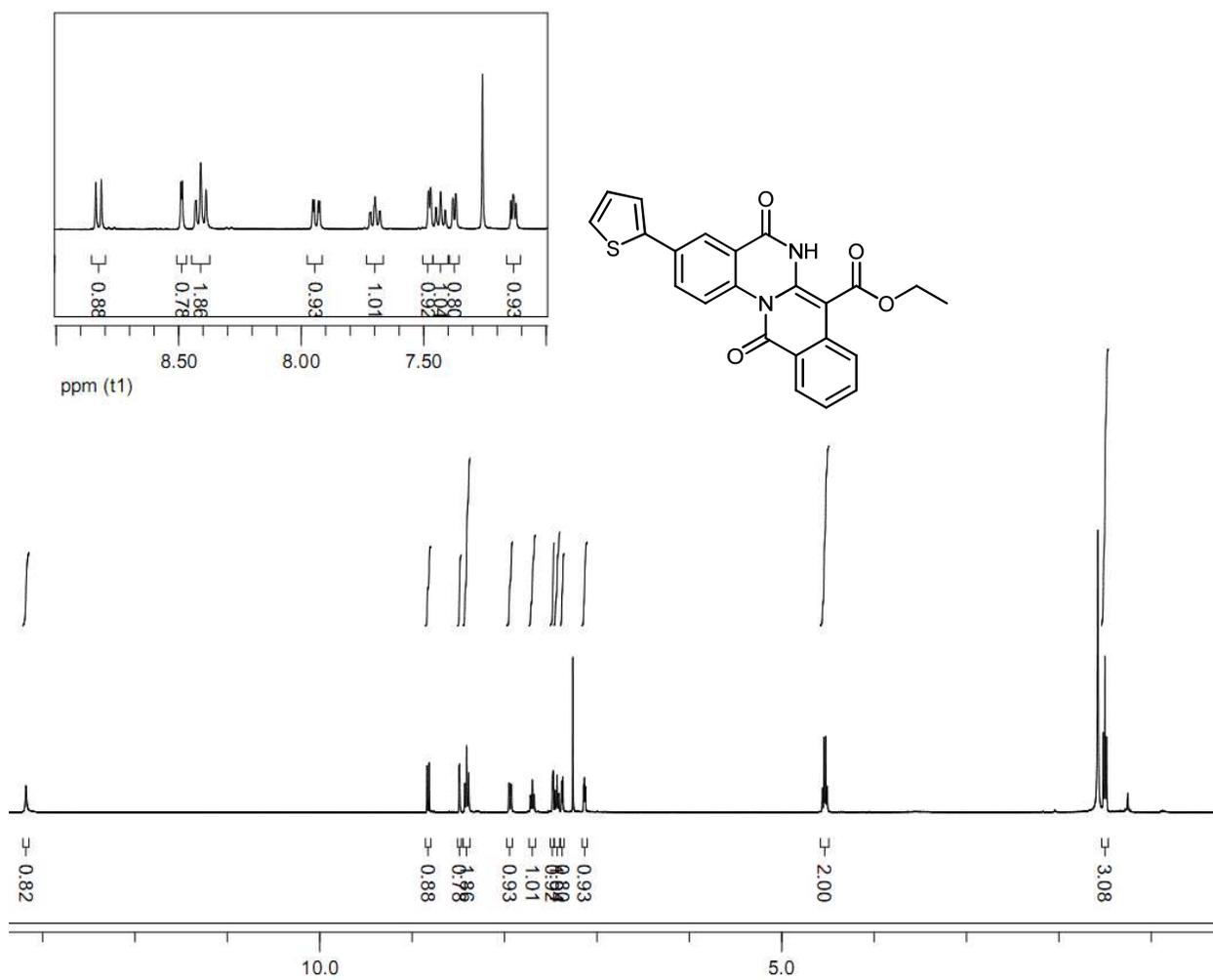


Fig. 41: ^1H NMR spectra of compound **3m** (CDCl_3 , 400 MHz)

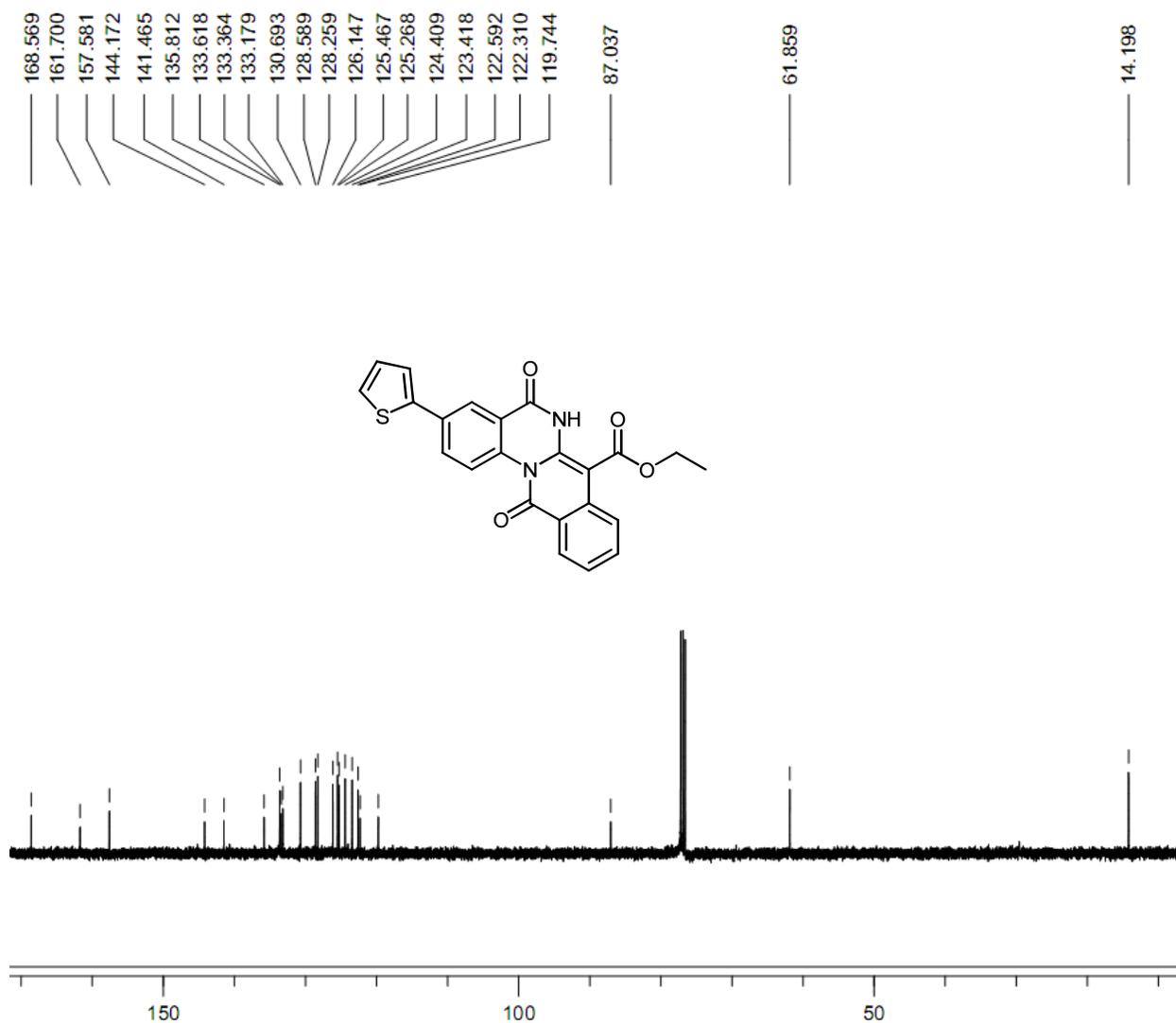


Fig. 42: ^{13}C NMR spectra of compound **3m** (CDCl_3 , 100 MHz)

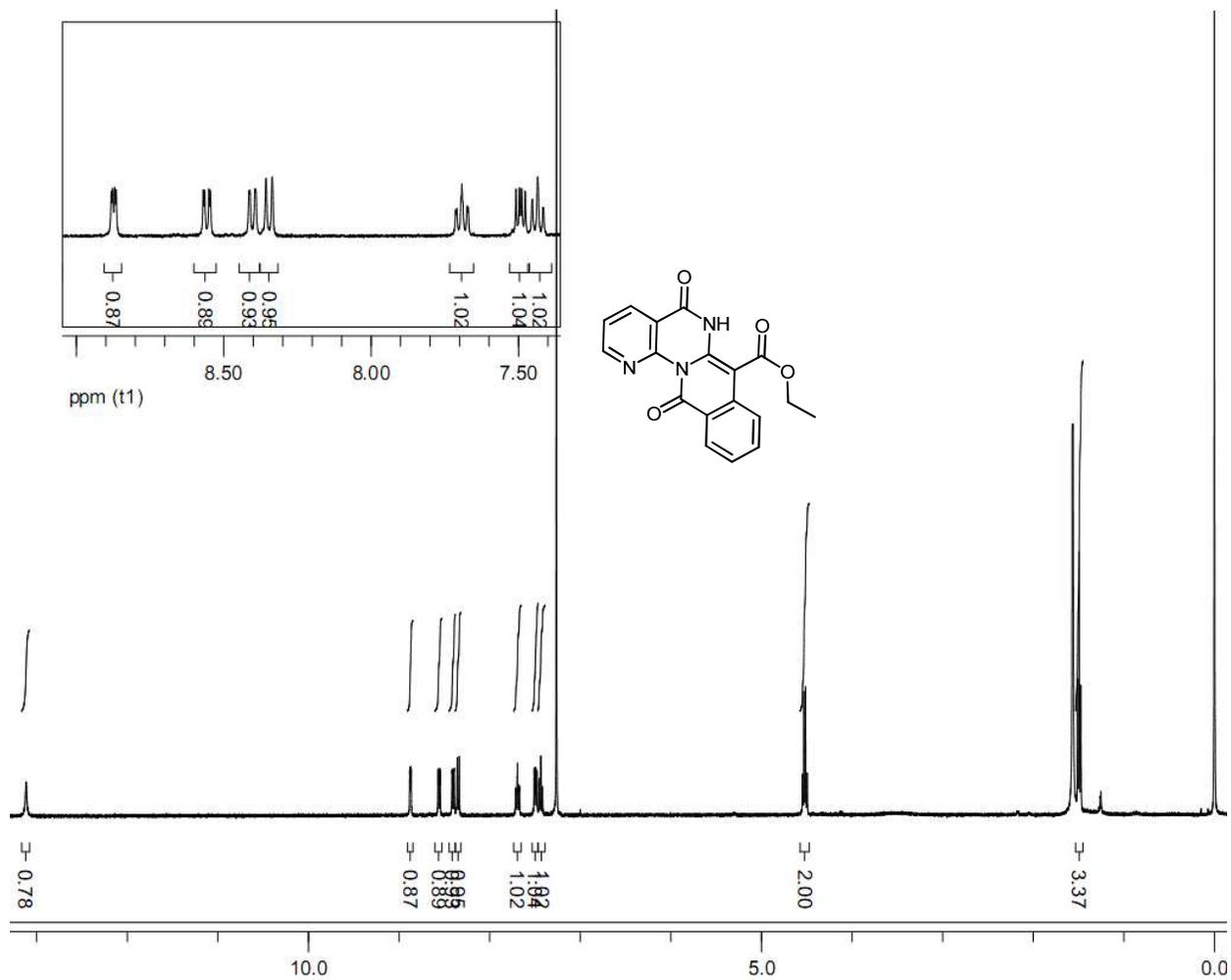


Fig. 43: ^1H NMR spectra of compound **3n** (CDCl_3 , 400 MHz)

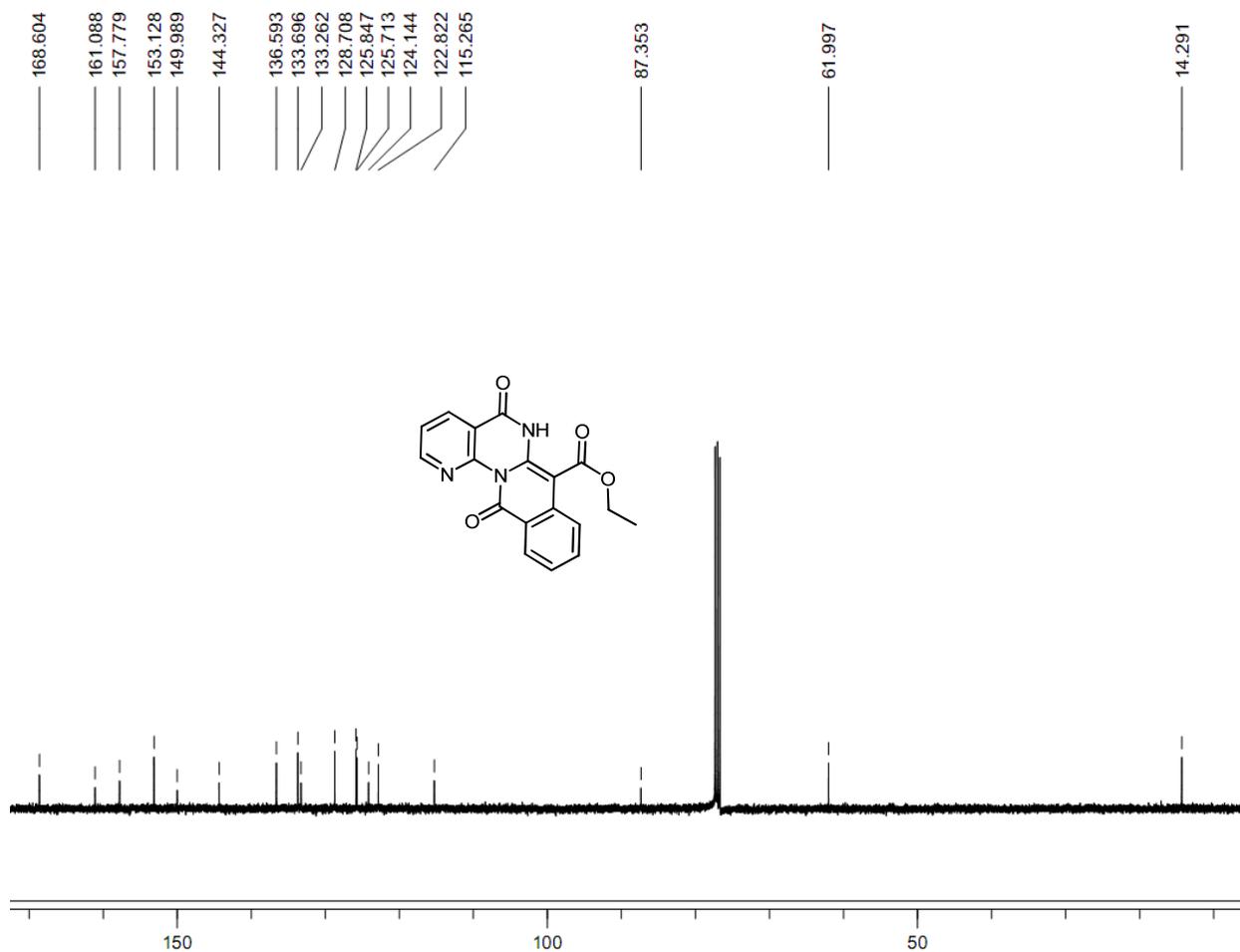


Fig. 44: ¹³C NMR spectra of compound **3n** (CDCl₃, 100 MHz)

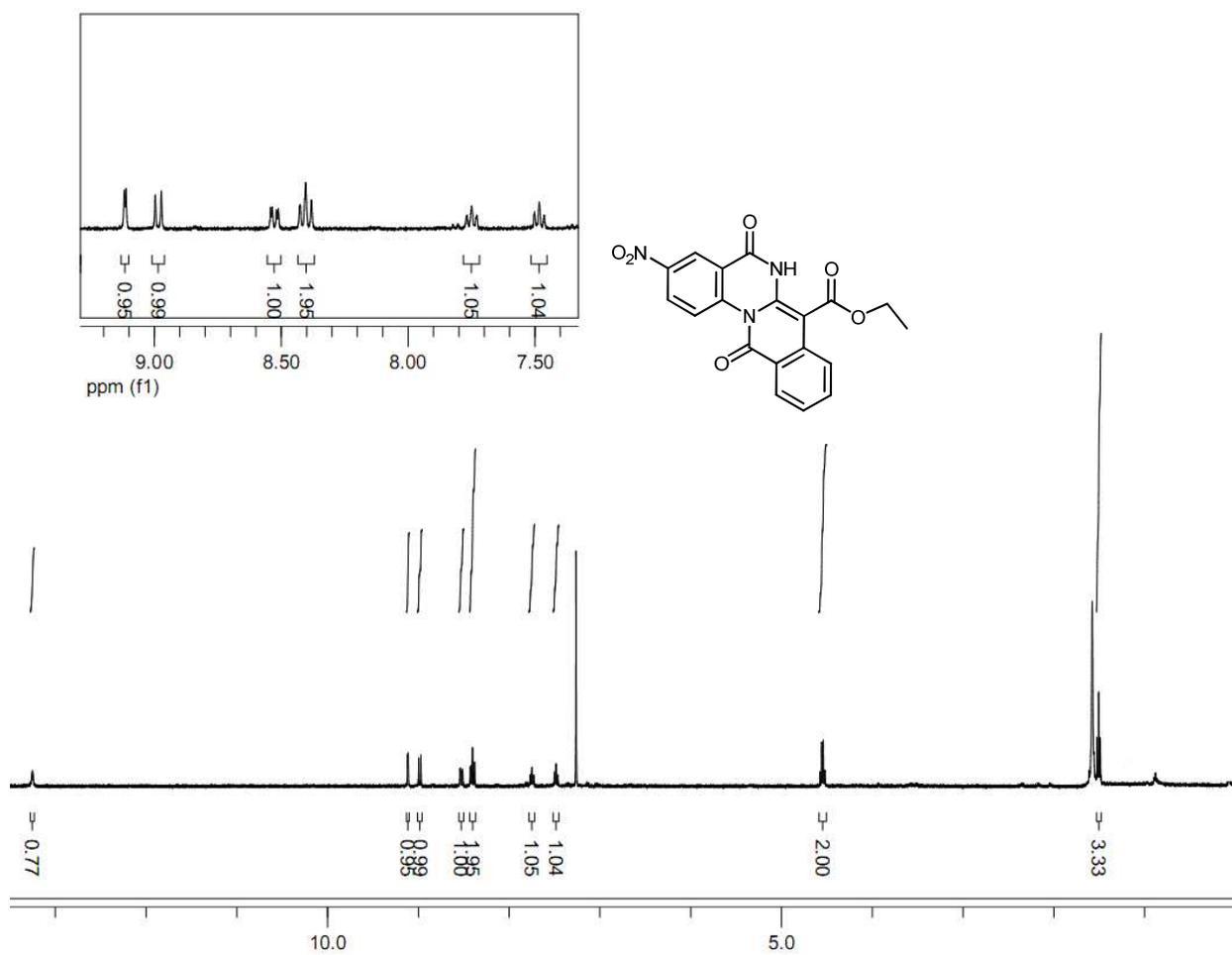


Fig. 45: ^1H NMR spectra of compound **3o** (CDCl_3 , 400 MHz)

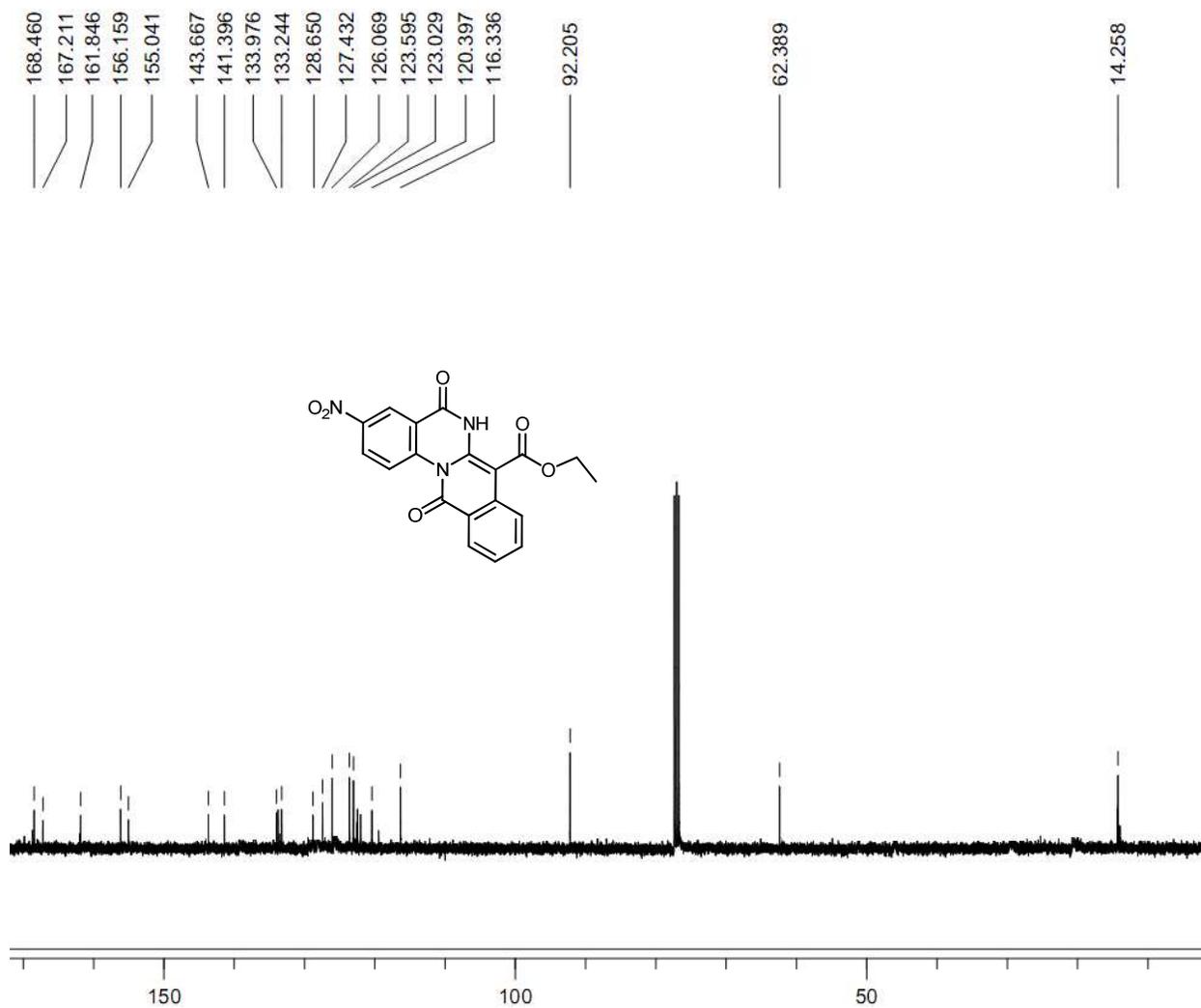


Fig. 46: ^{13}C NMR spectra of compound **3o** (CDCl_3 , 100 MHz)

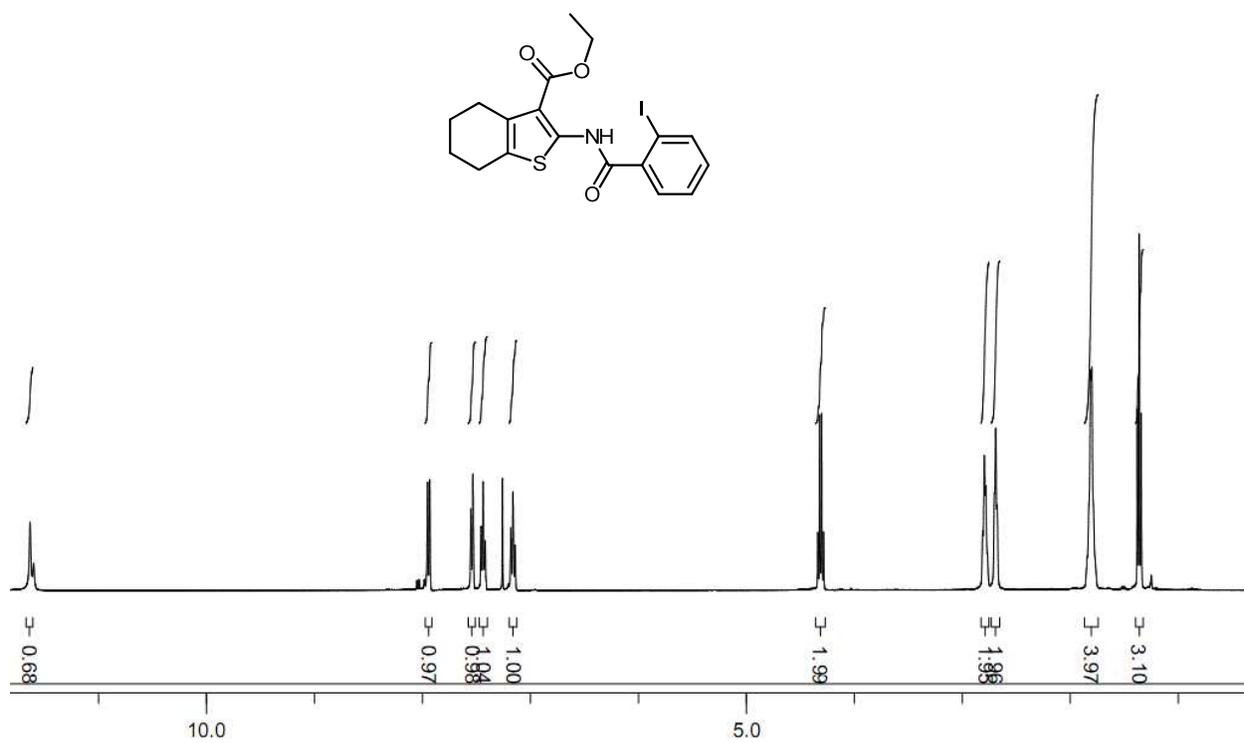


Fig. 47: ¹H NMR spectra of compound **4a** (CDCl₃, 400 MHz)

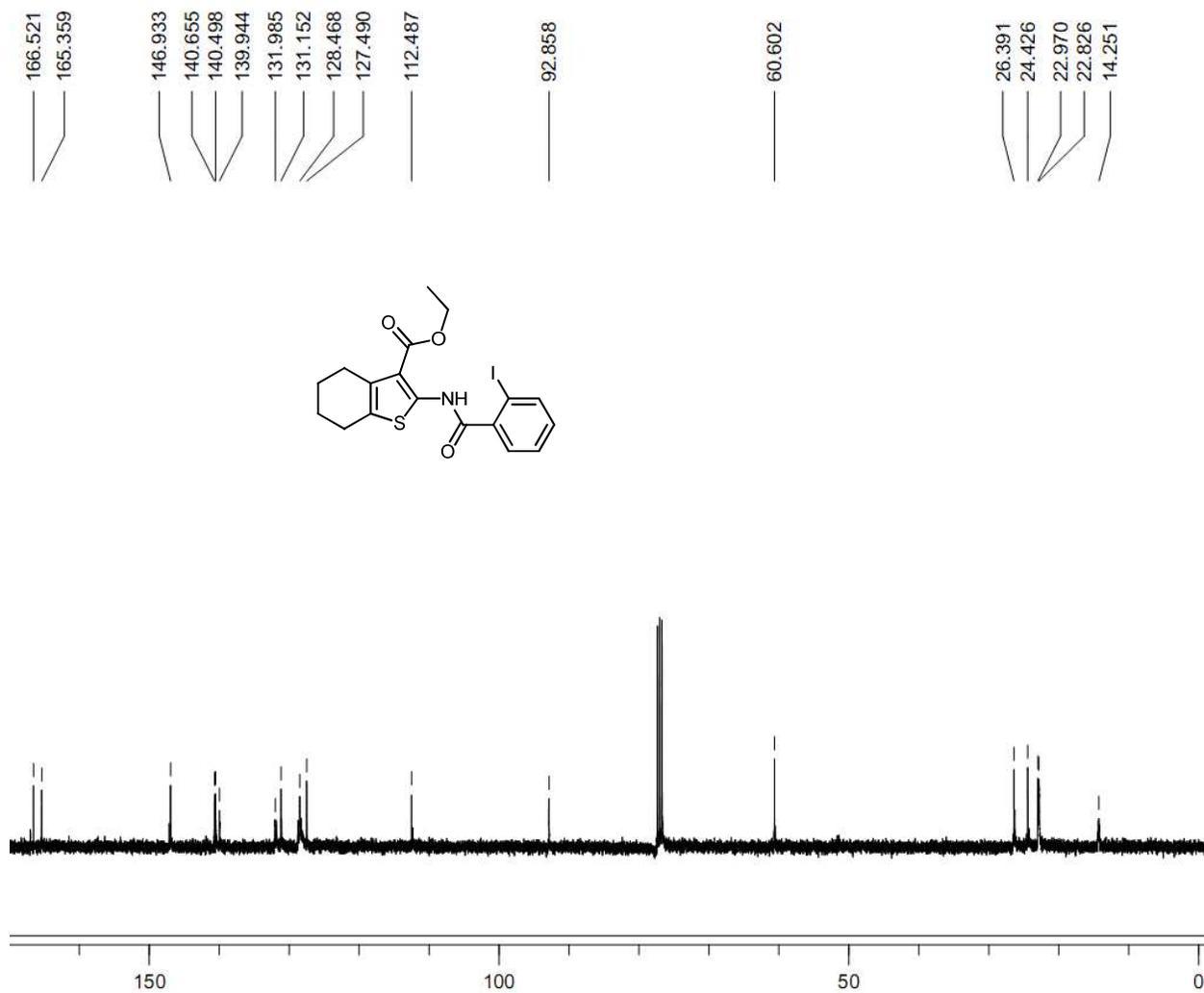


Fig. 48: ^{13}C NMR spectra of compound **4a** (CDCl_3 , 100 MHz)

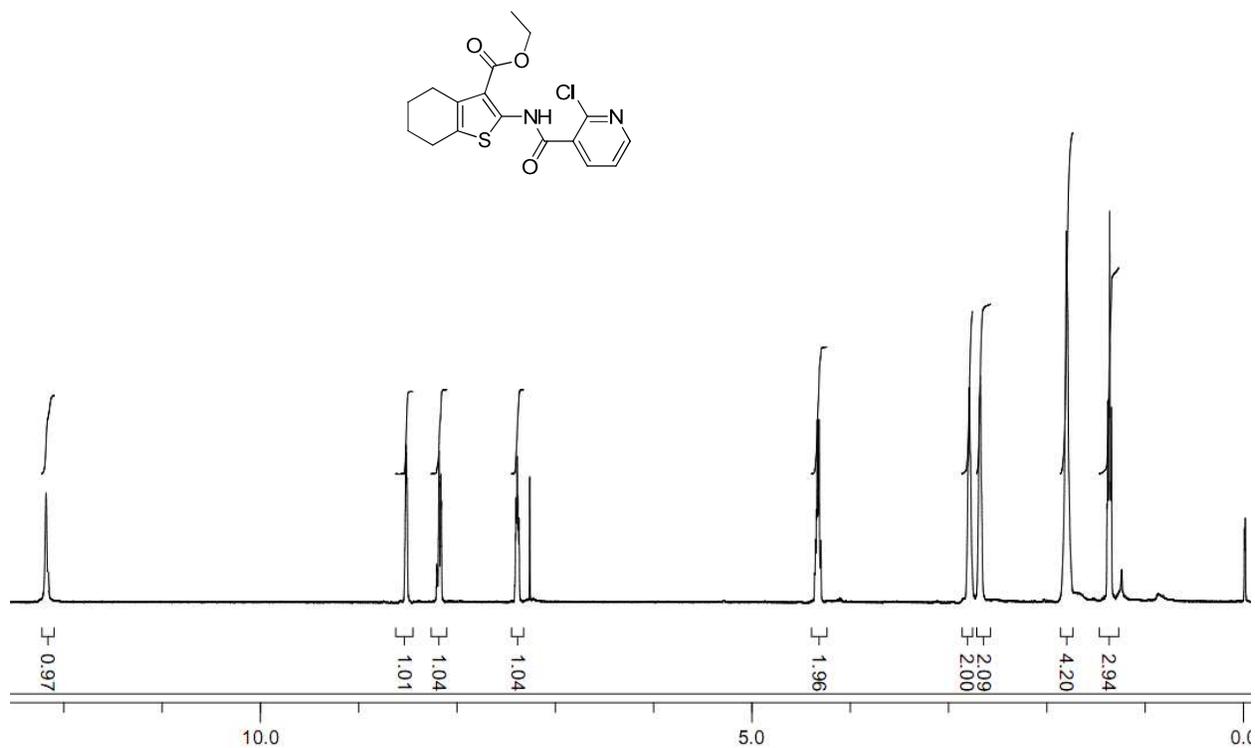


Fig. 49: ¹H NMR spectra of compound **4b** (CDCl₃, 400 MHz)

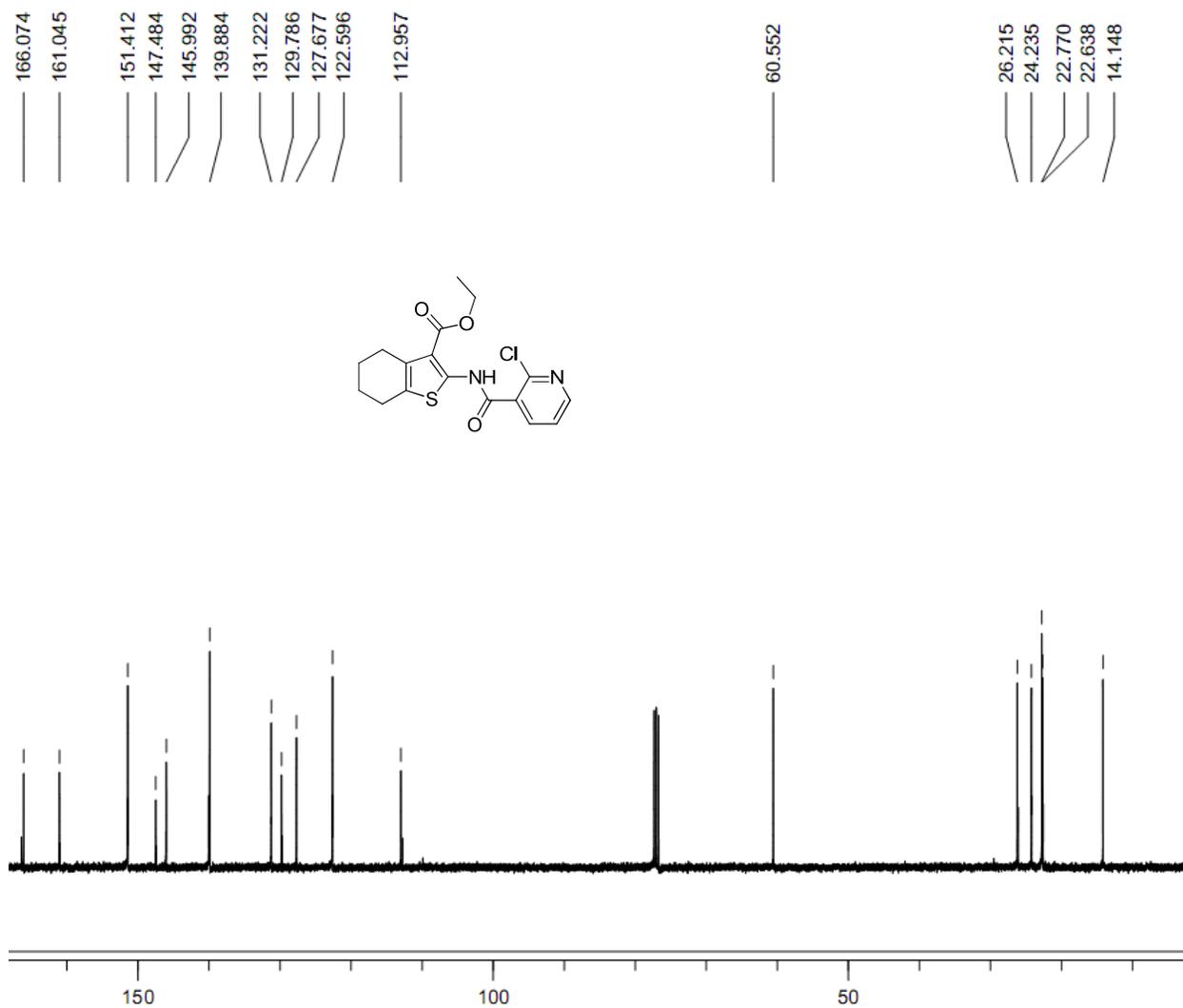


Fig. 50: ^{13}C NMR spectra of compound **4b** (CDCl_3 , 100 MHz)

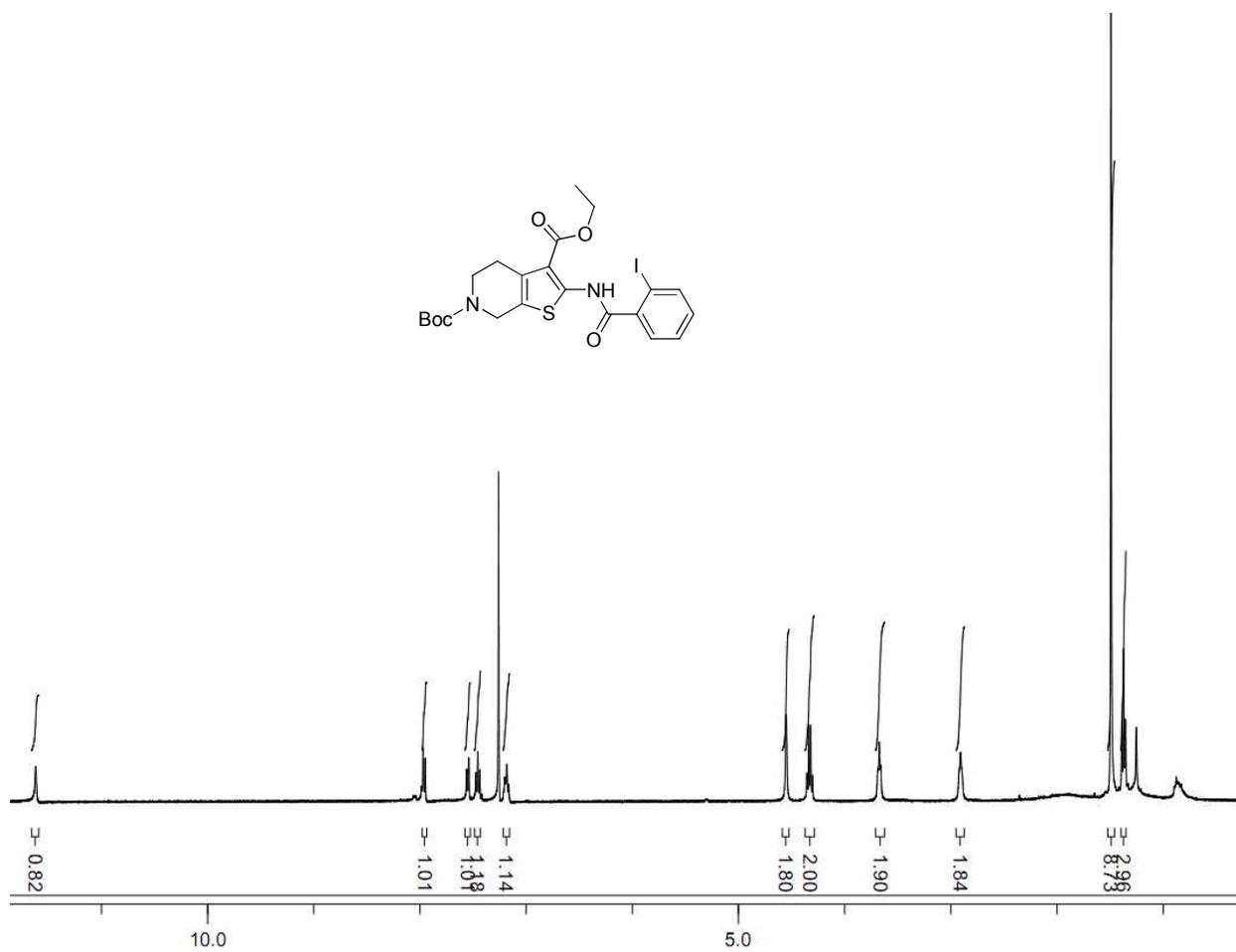


Fig. 51: ¹H NMR spectra of compound **4c** (CDCl₃, 400 MHz)

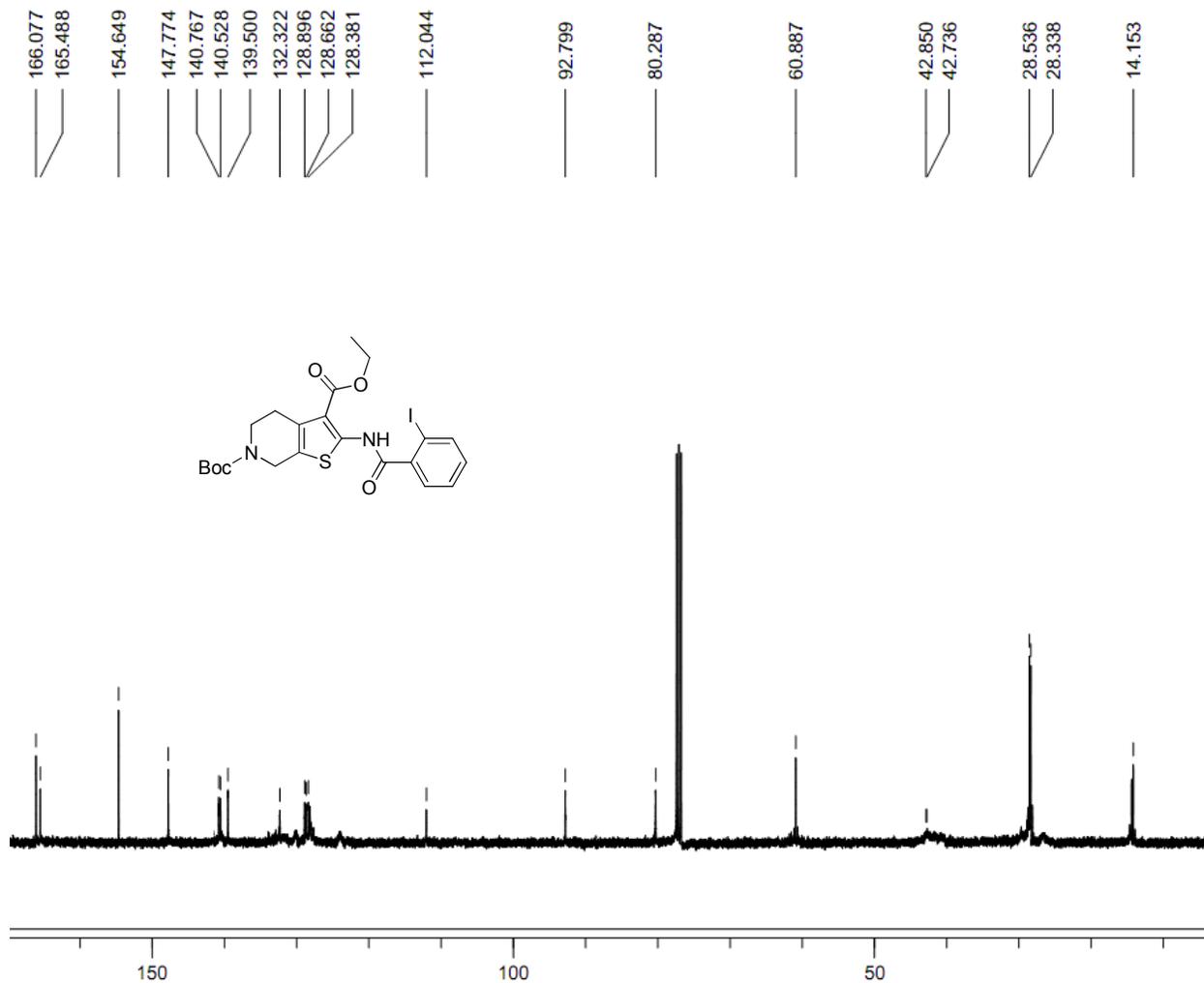


Fig. 52: ¹³C NMR spectra of compound 4c (CDCl₃, 100 MHz)

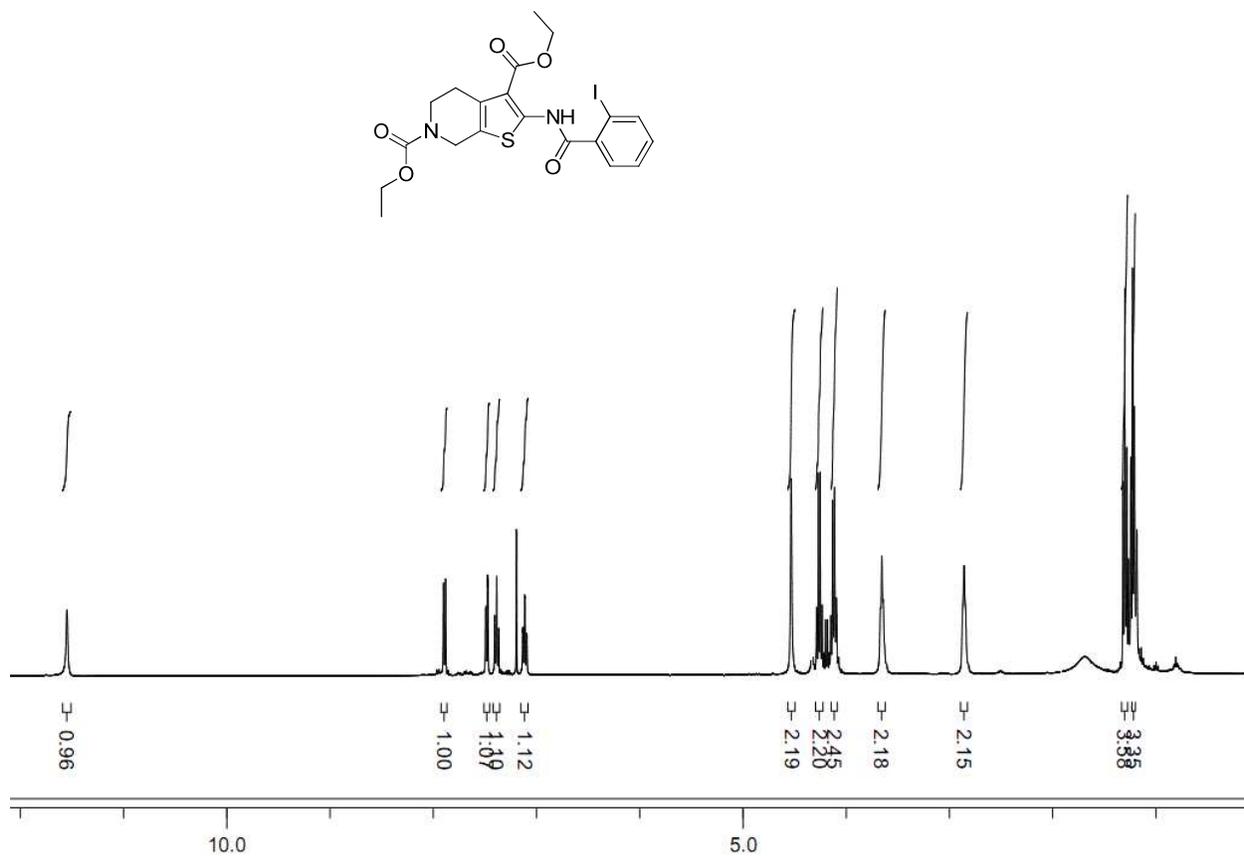


Fig. 53: ¹H NMR spectra of compound **4d** (CDCl₃, 400 MHz)

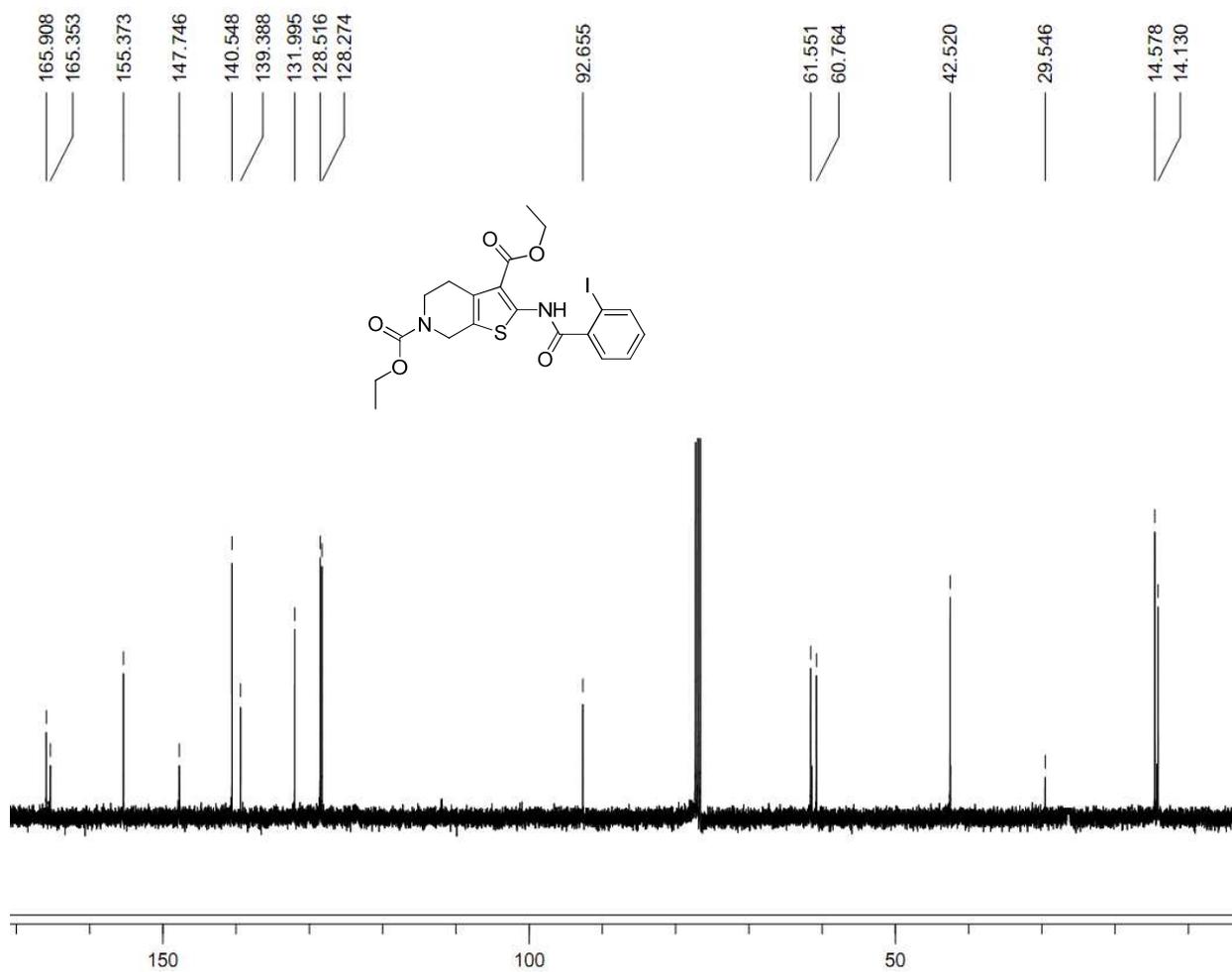


Fig. 54: ¹³C NMR spectra of compound **4d** (CDCl₃, 100 MHz)

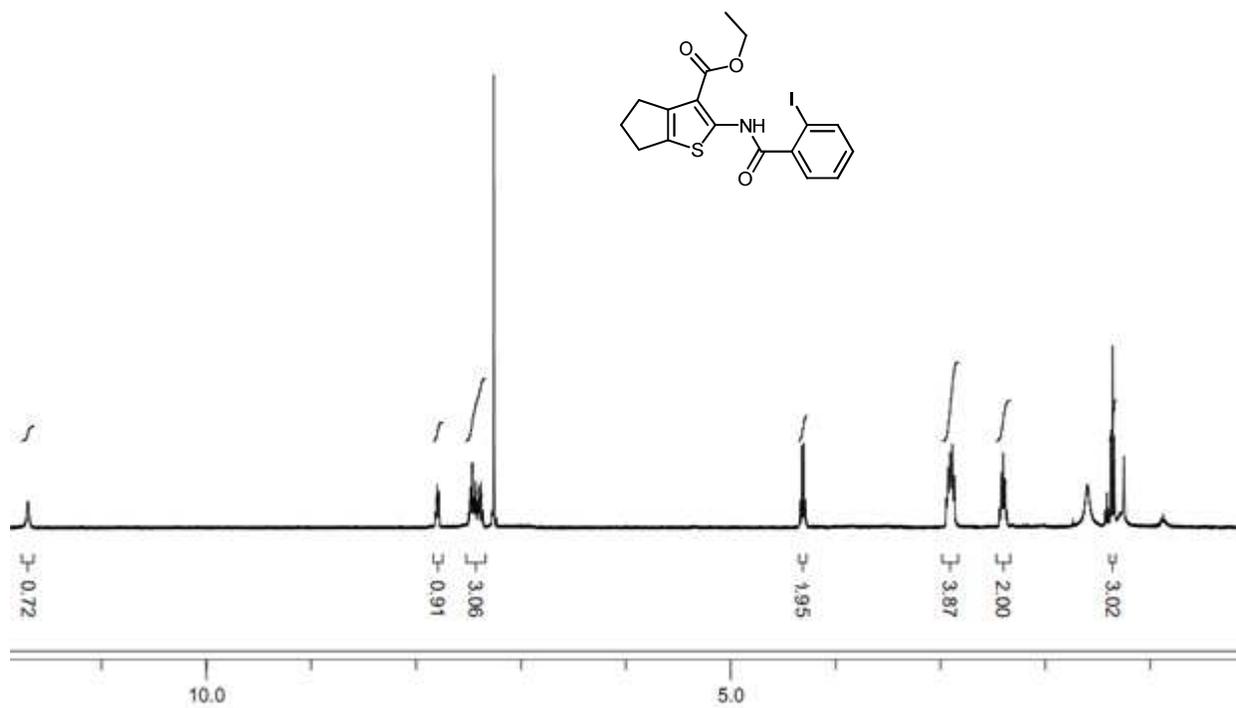


Fig. 55: ¹H NMR spectra of compound **4e** (CDCl₃, 400 MHz)

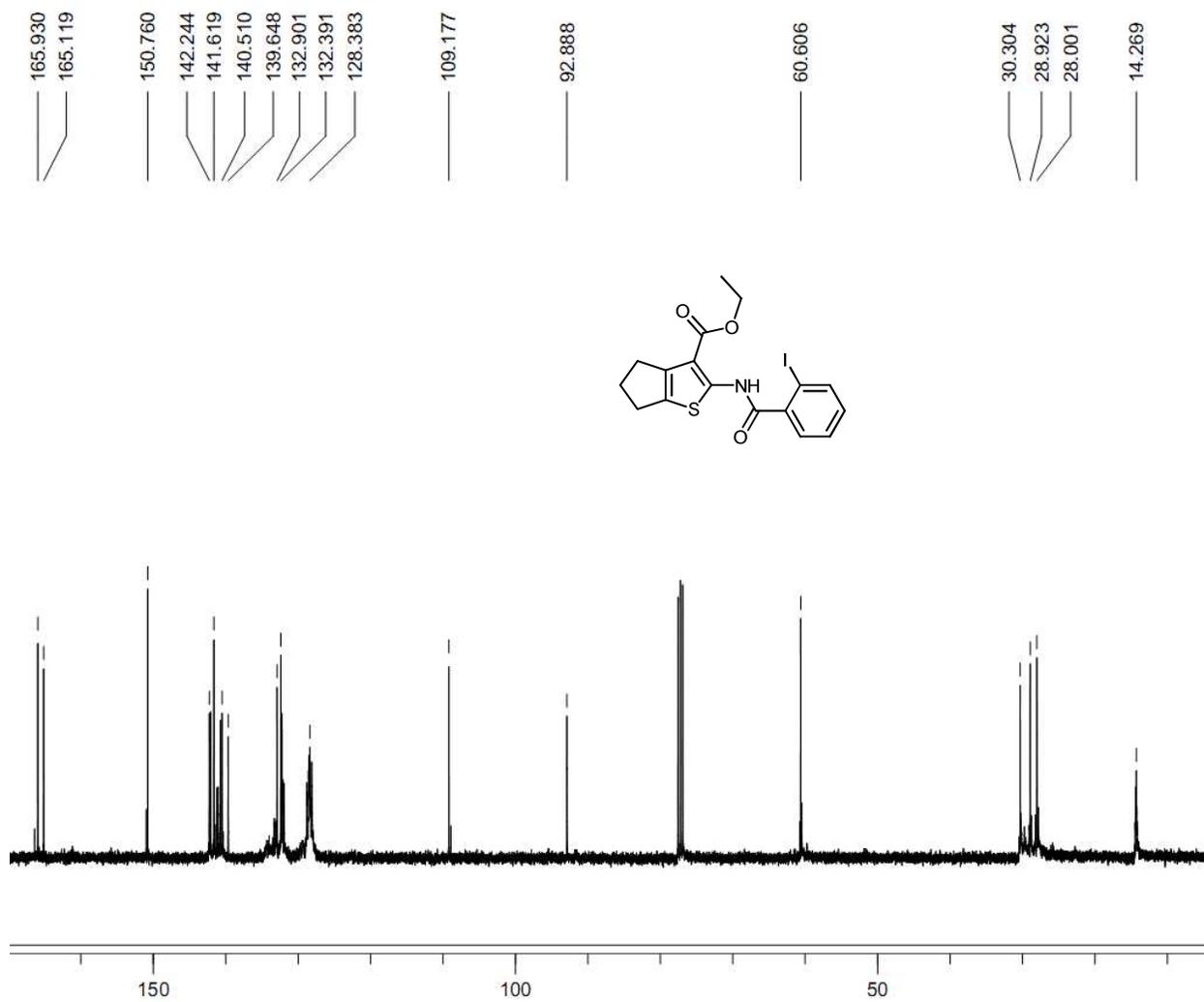


Fig. 56: ¹³C NMR spectra of compound **4e** (CDCl₃, 100 MHz)

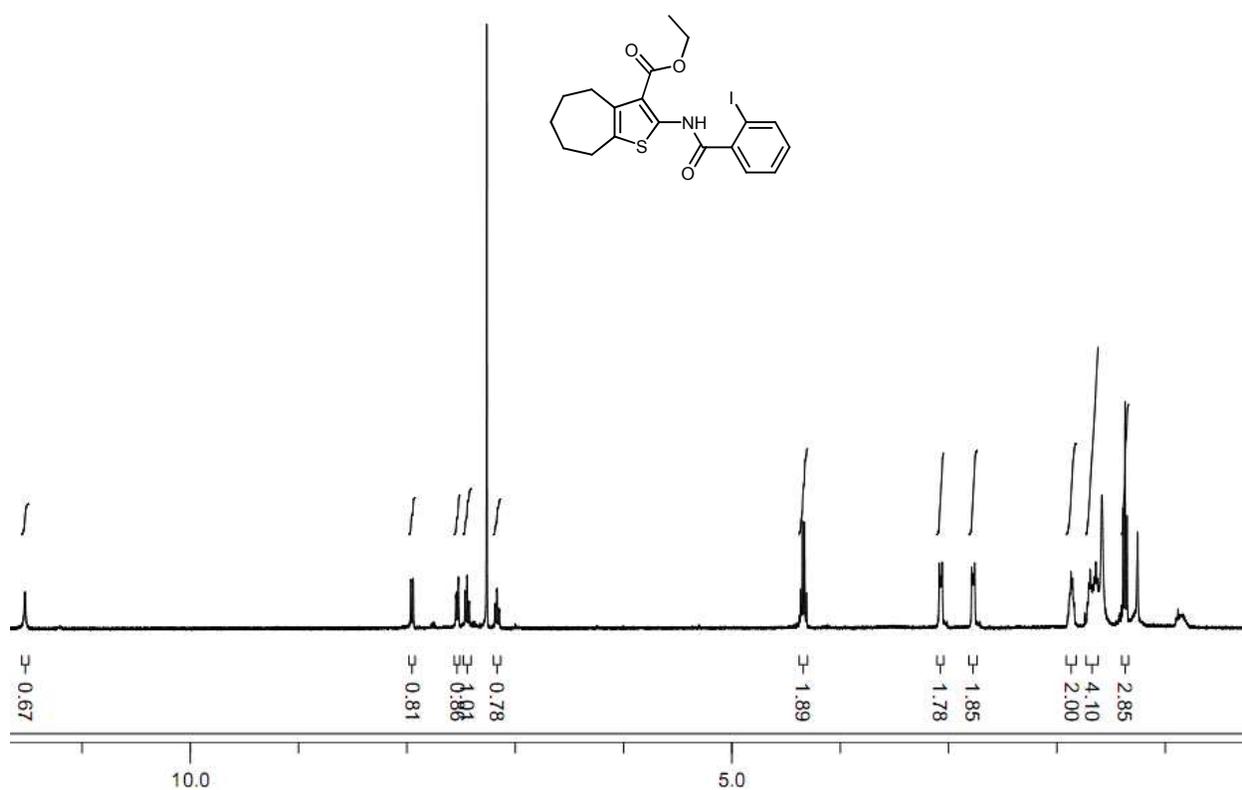


Fig. 57: ¹H NMR spectra of compound **4f** (CDCl₃, 400 MHz)

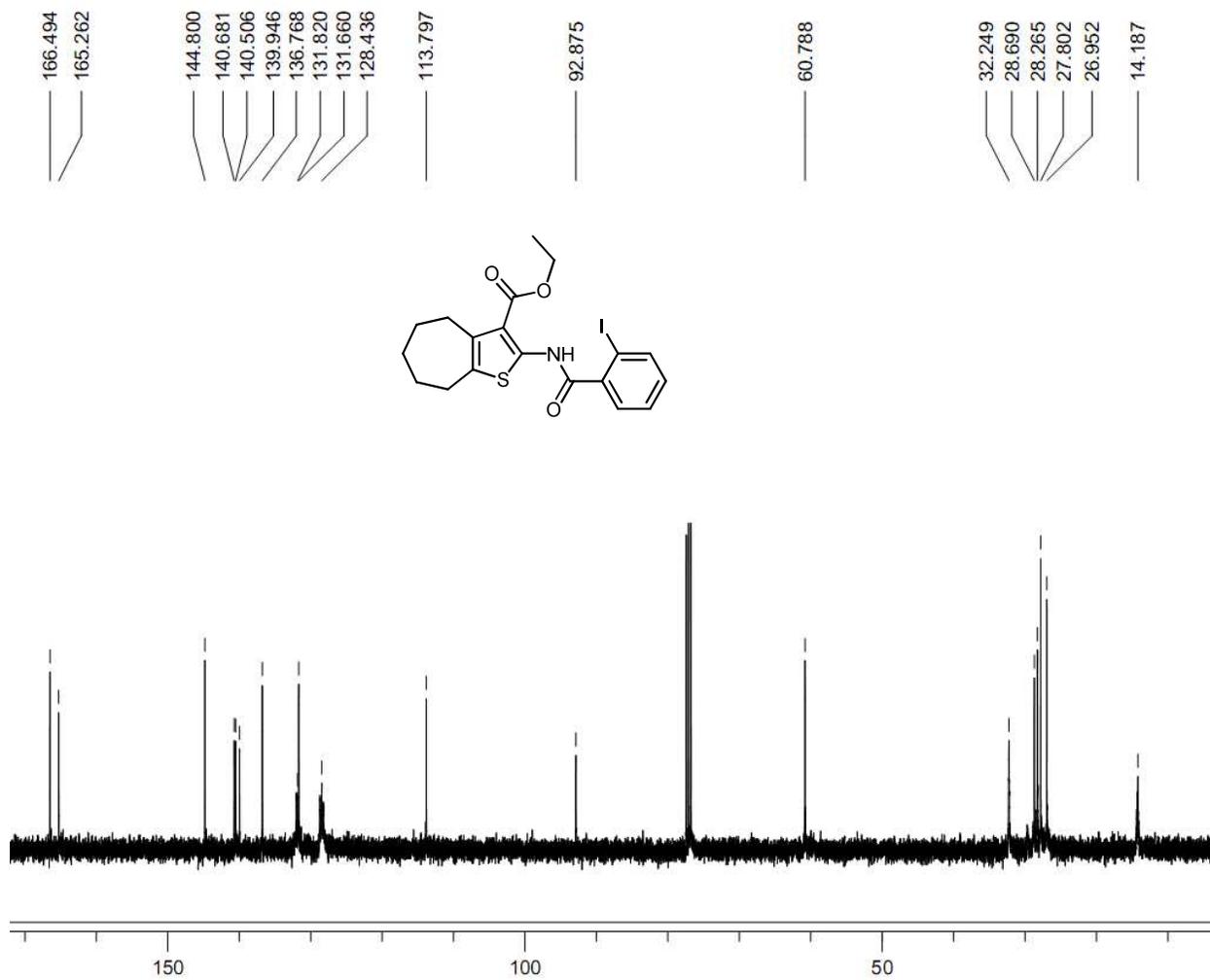


Fig. 58: ¹³C NMR spectra of compound **4f** (CDCl₃, 100 MHz)

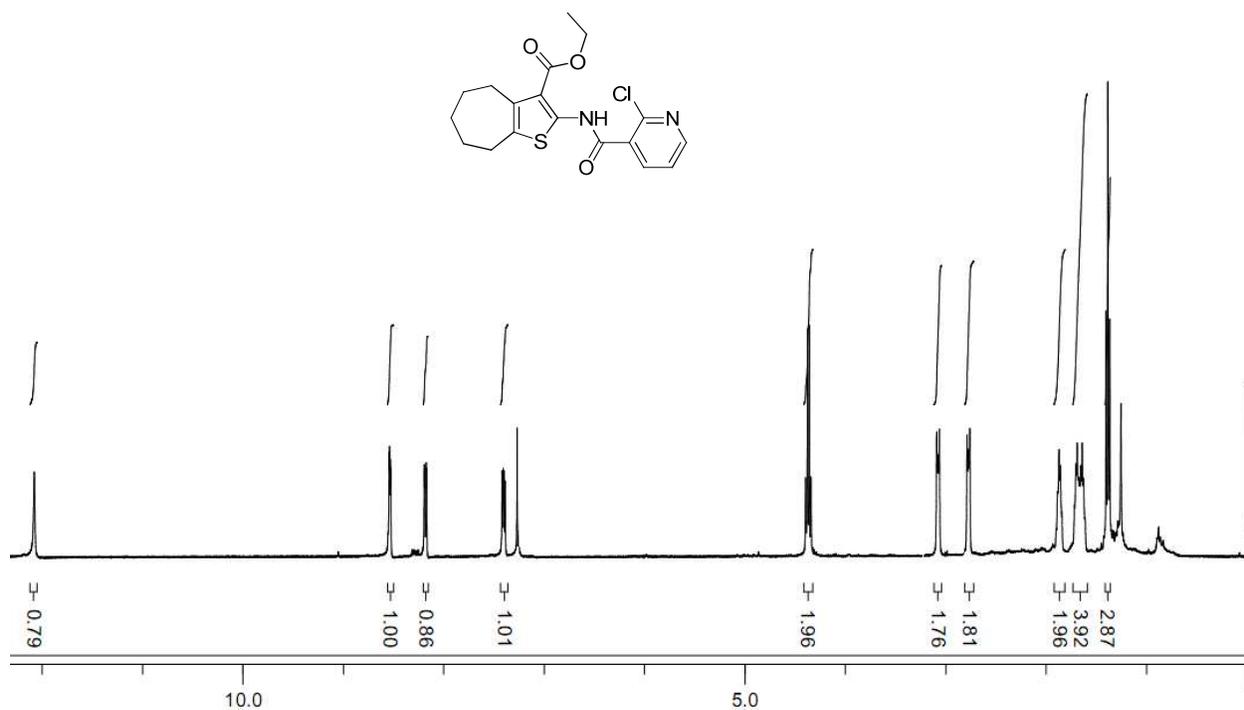


Fig. 59: ¹H NMR spectra of compound **4g** (CDCl₃, 400 MHz)

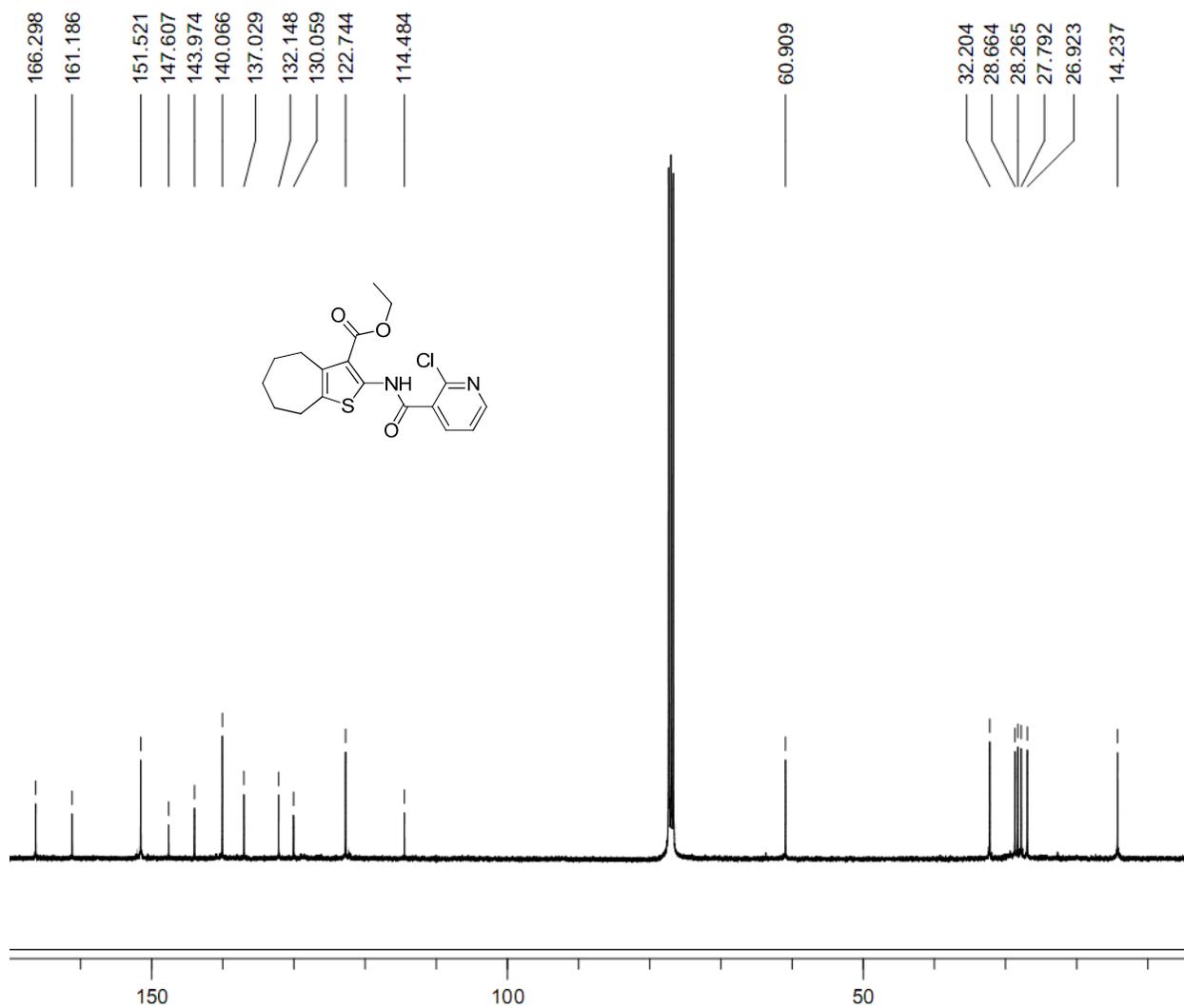


Fig. 60: ¹³C NMR spectra of compound **4g** (CDCl₃, 100 MHz)

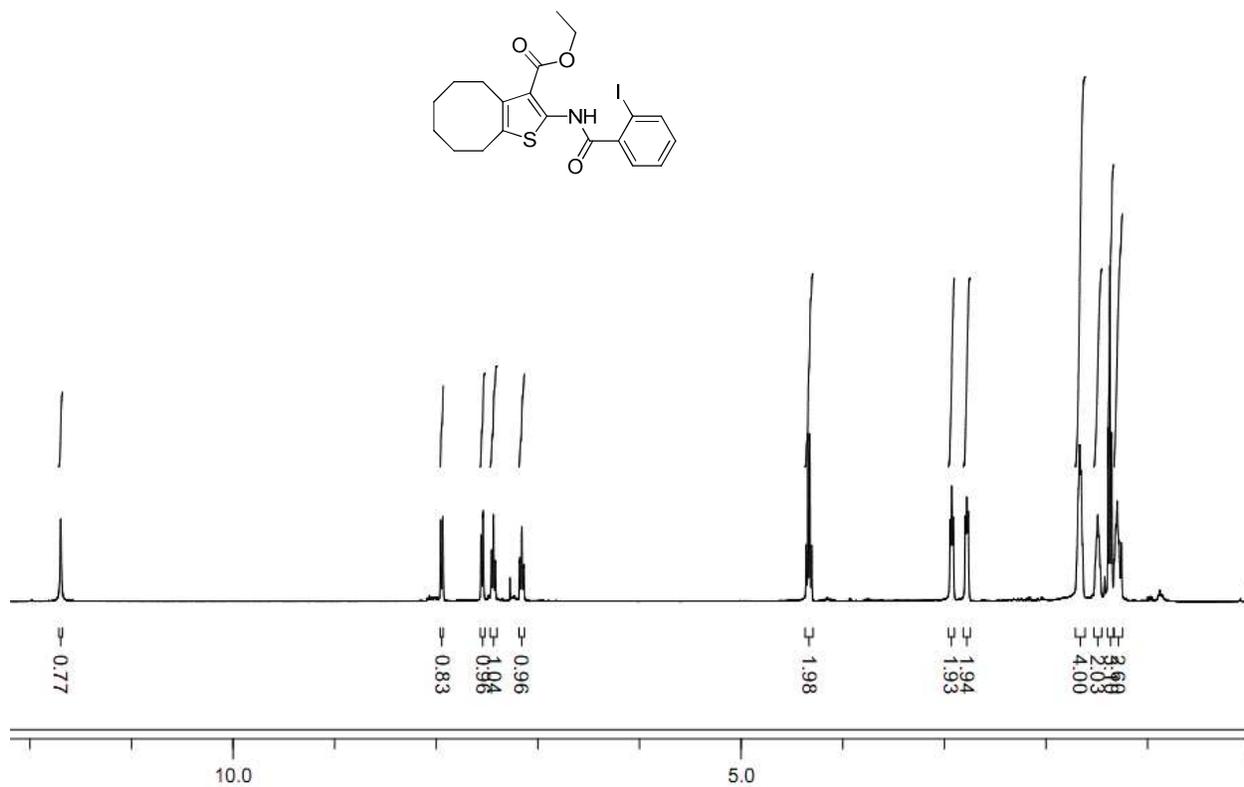


Fig. 61: ¹H NMR spectra of compound **4h** (CDCl₃, 400 MHz)

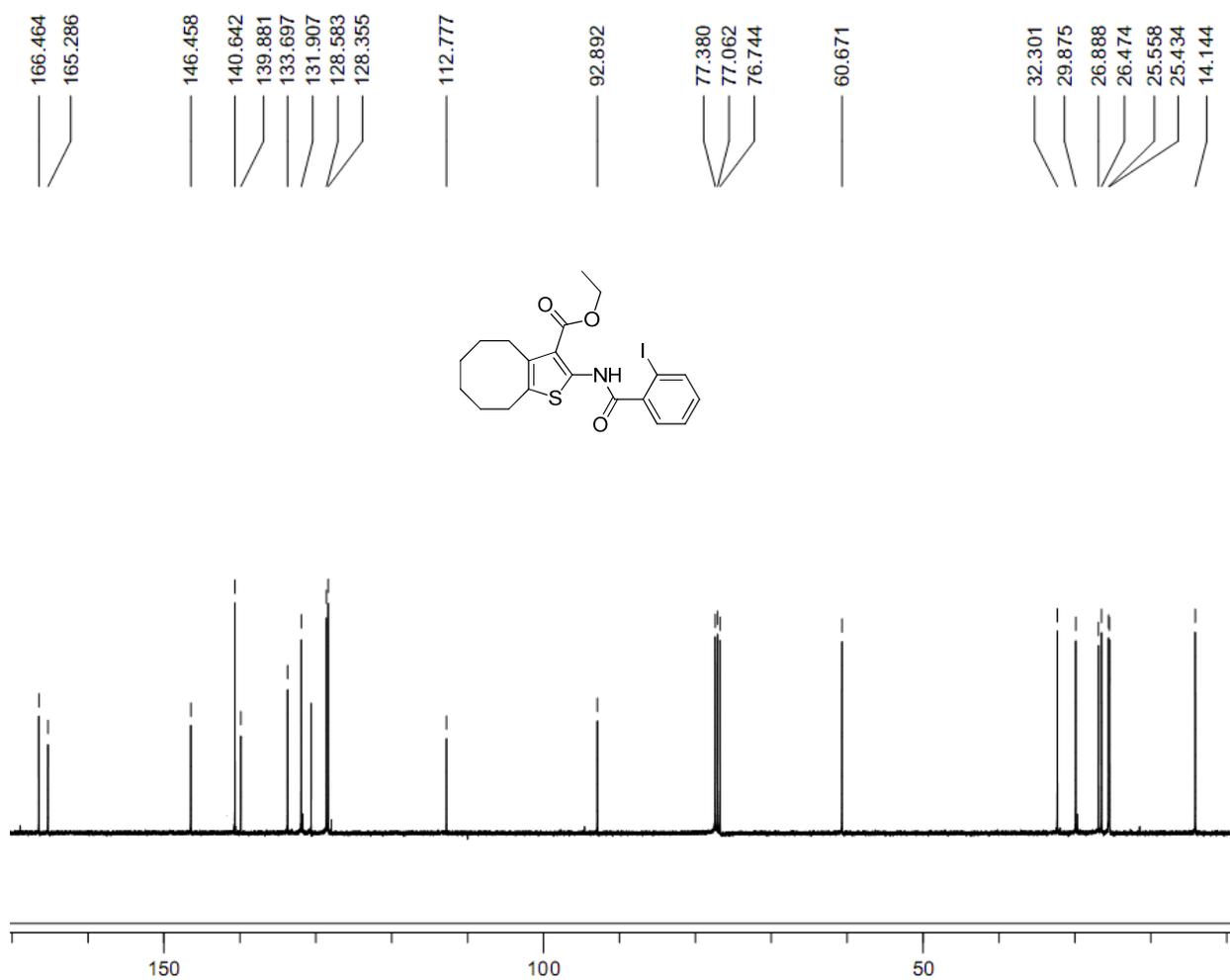


Fig. 62: ^{13}C NMR spectra of compound **4h** (CDCl_3 , 100 MHz)

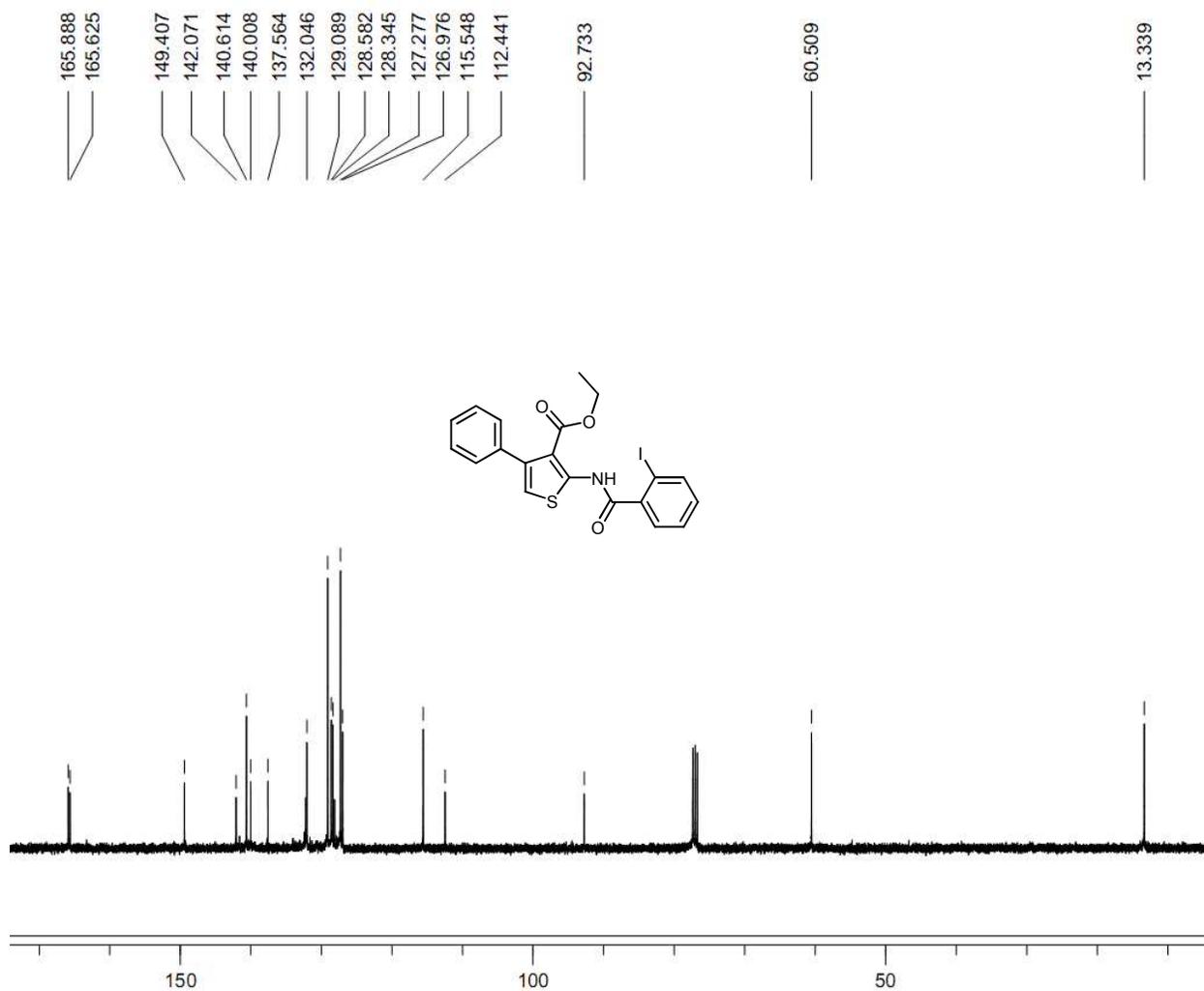


Fig. 64: ¹³C NMR spectra of compound **4i** (CDCl₃, 100 MHz)

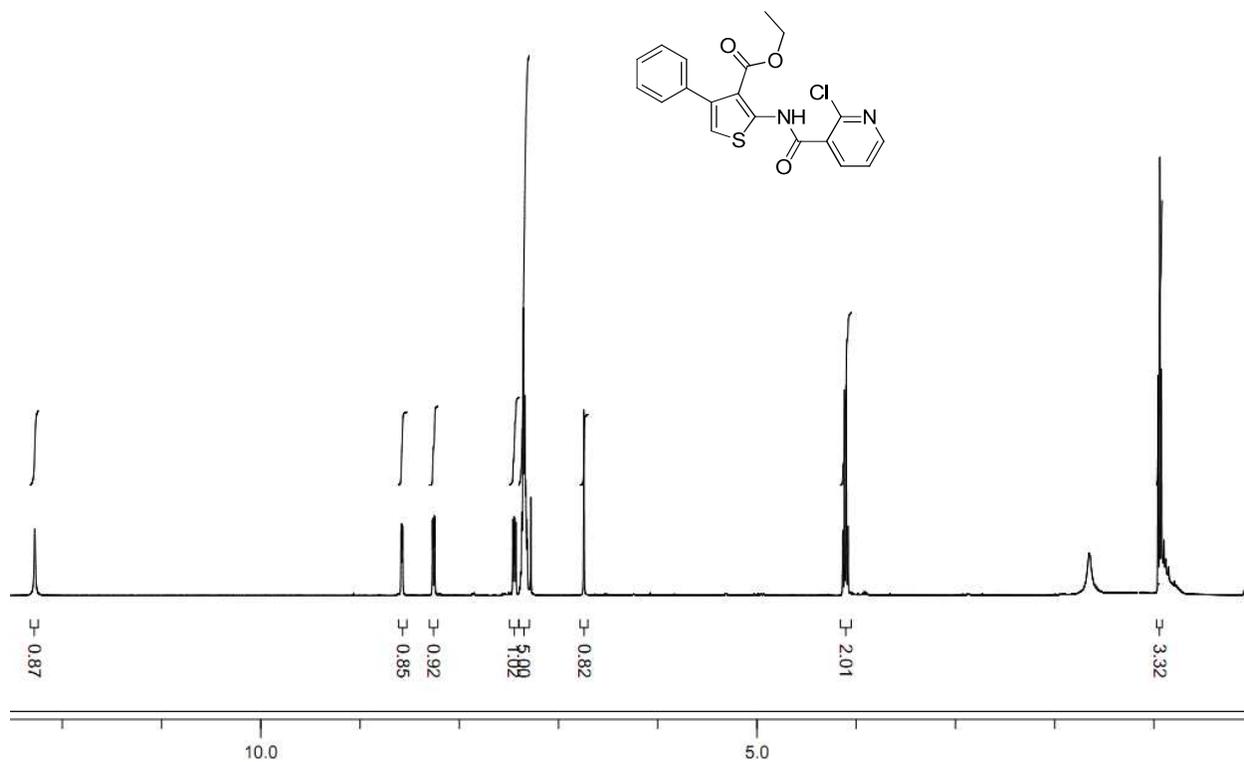


Fig. 65: ¹H NMR spectra of compound **4j** (CDCl₃, 400 MHz)

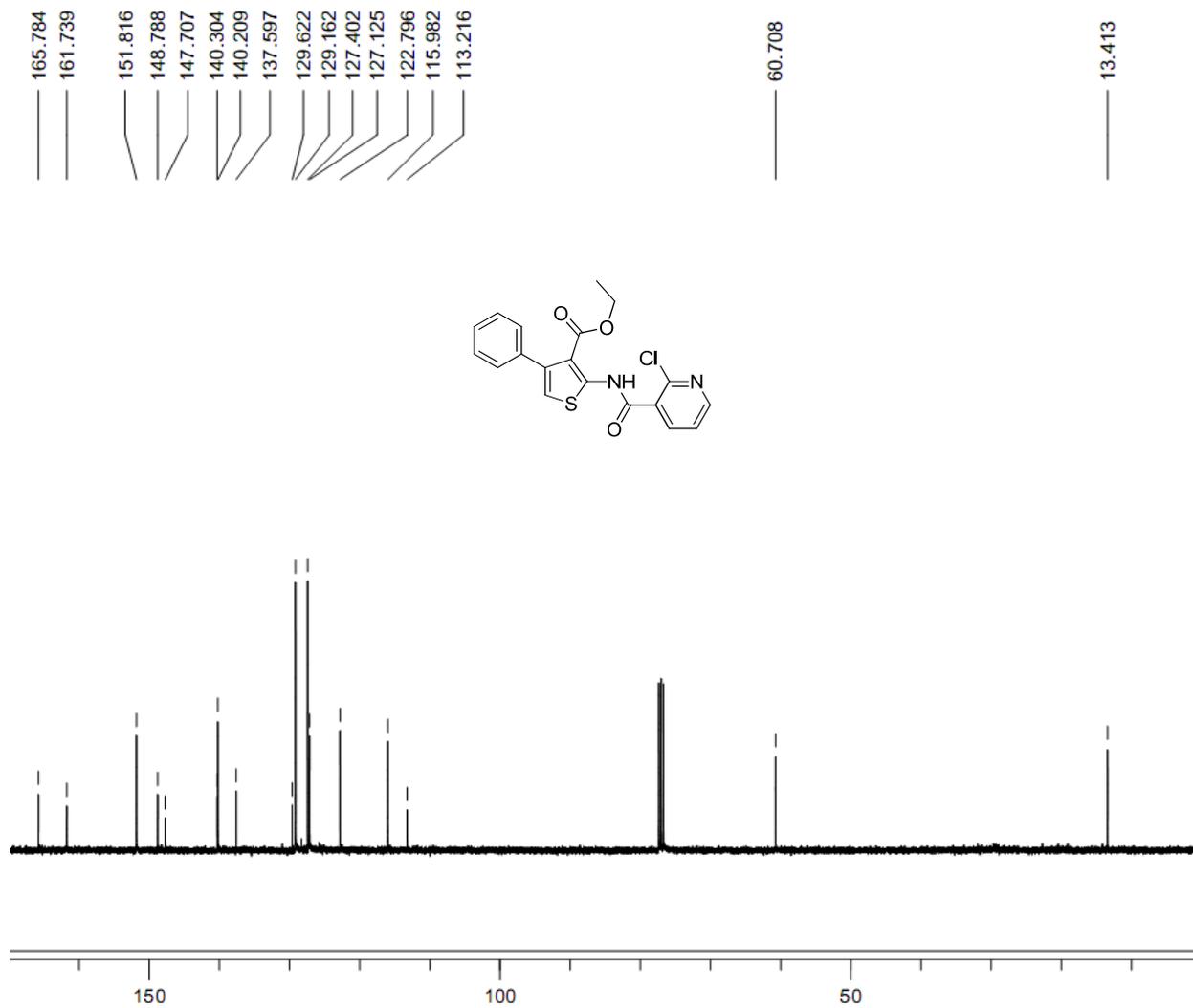


Fig. 66: ^{13}C NMR spectra of compound **4j** (CDCl_3 , 100 MHz)

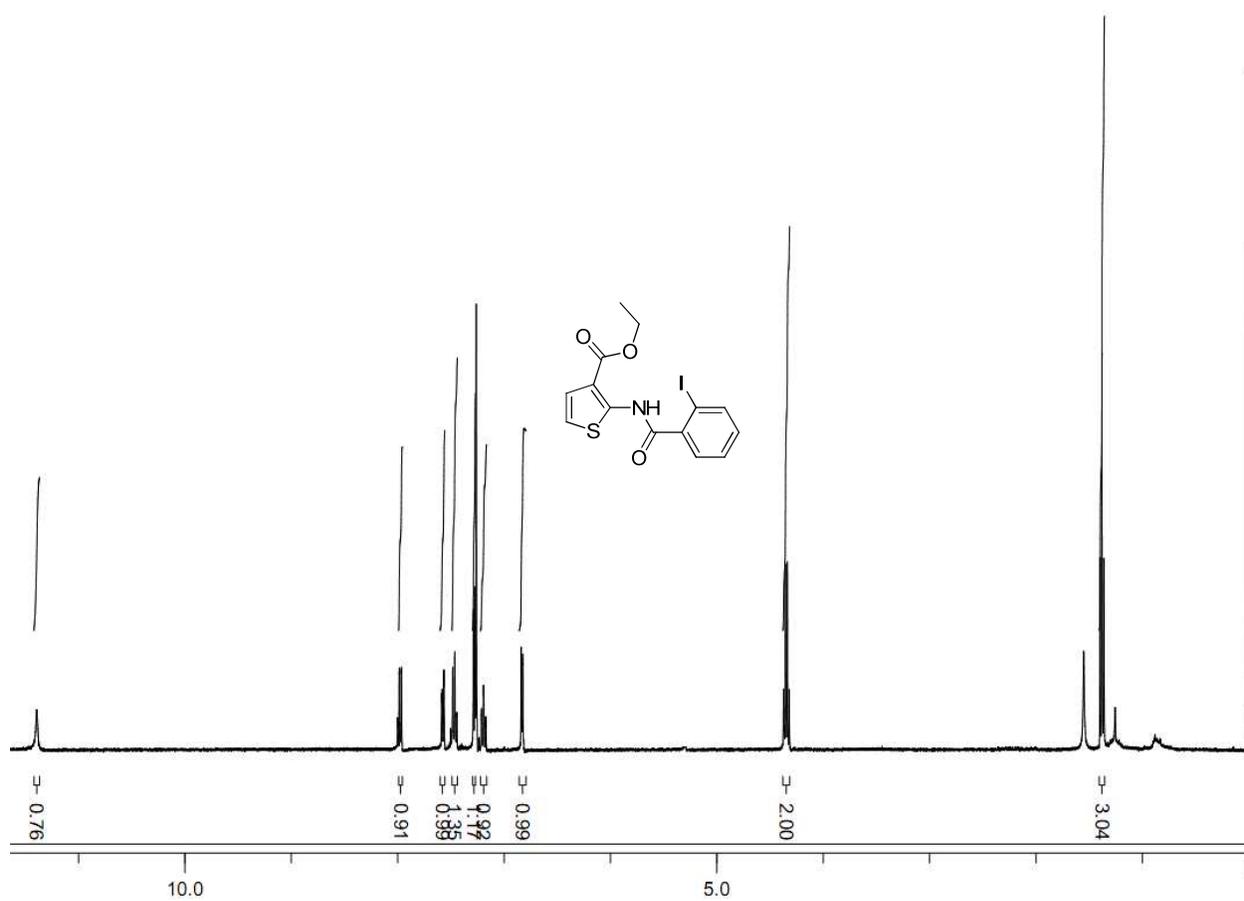


Fig. 67: ¹H NMR spectra of compound **4k** (CDCl₃, 400 MHz)

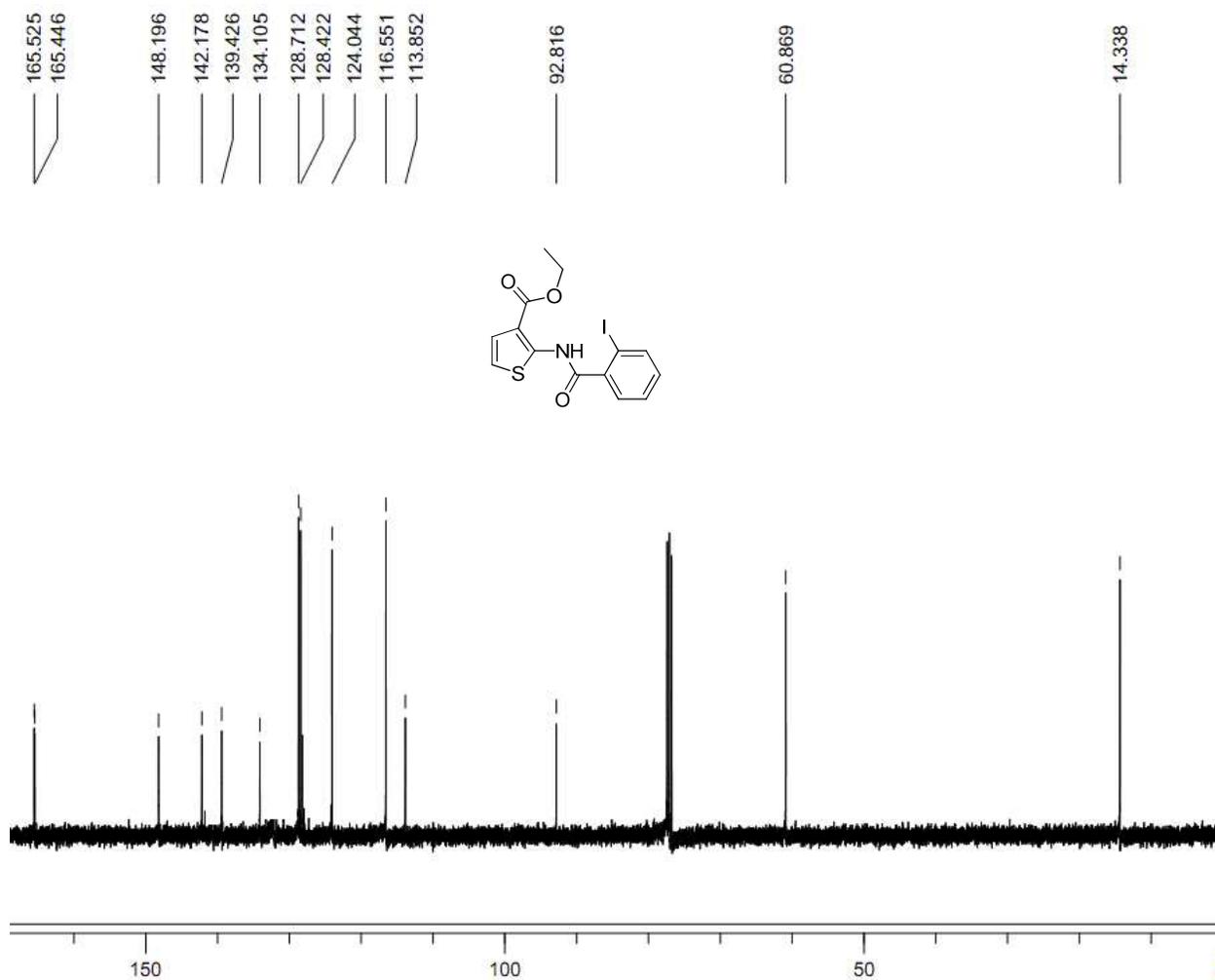


Fig. 68: ¹³C NMR spectra of compound **4k** (CDCl₃, 100 MHz)

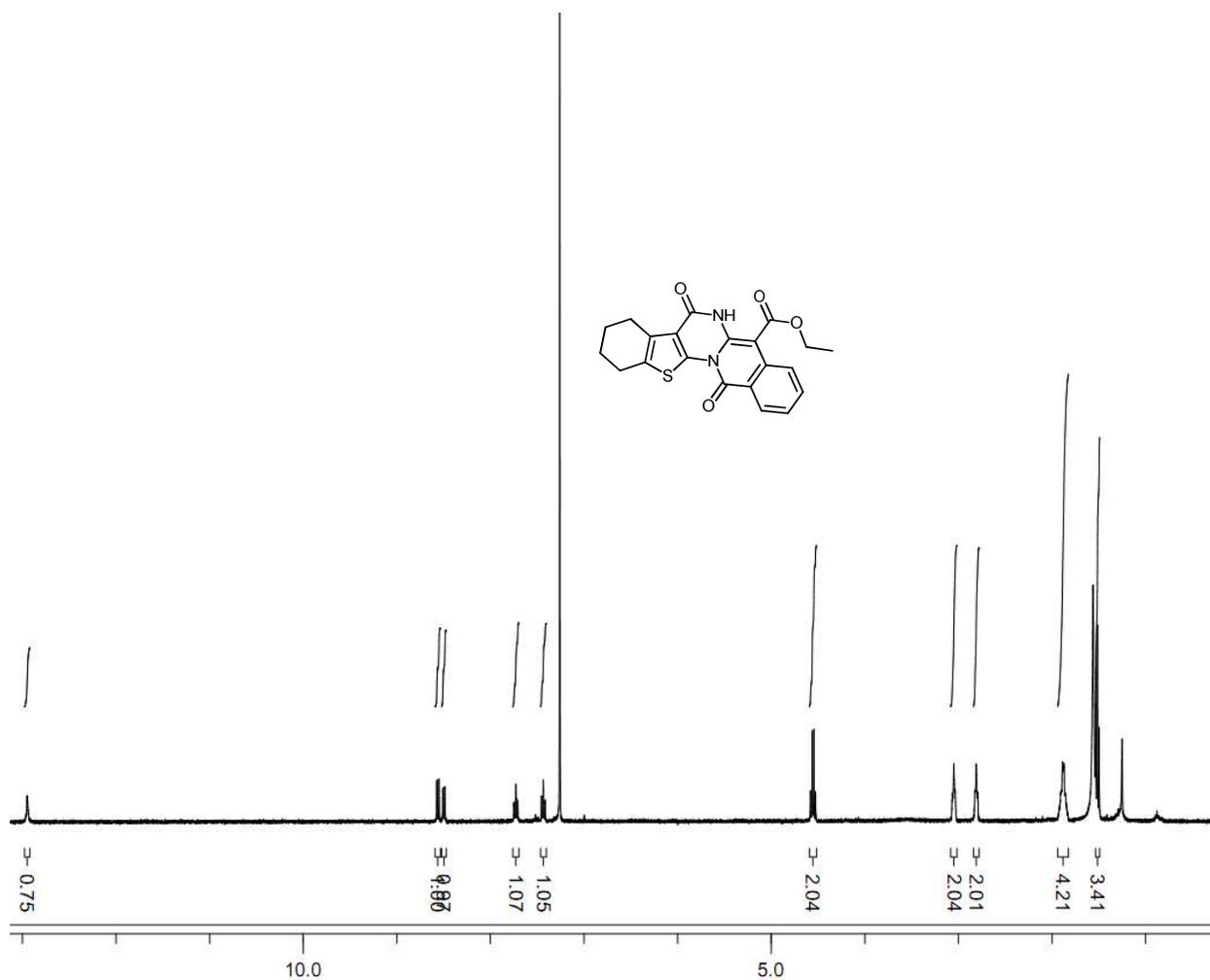


Fig. 69: ¹H NMR spectra of compound **5a** (CDCl₃, 400 MHz)

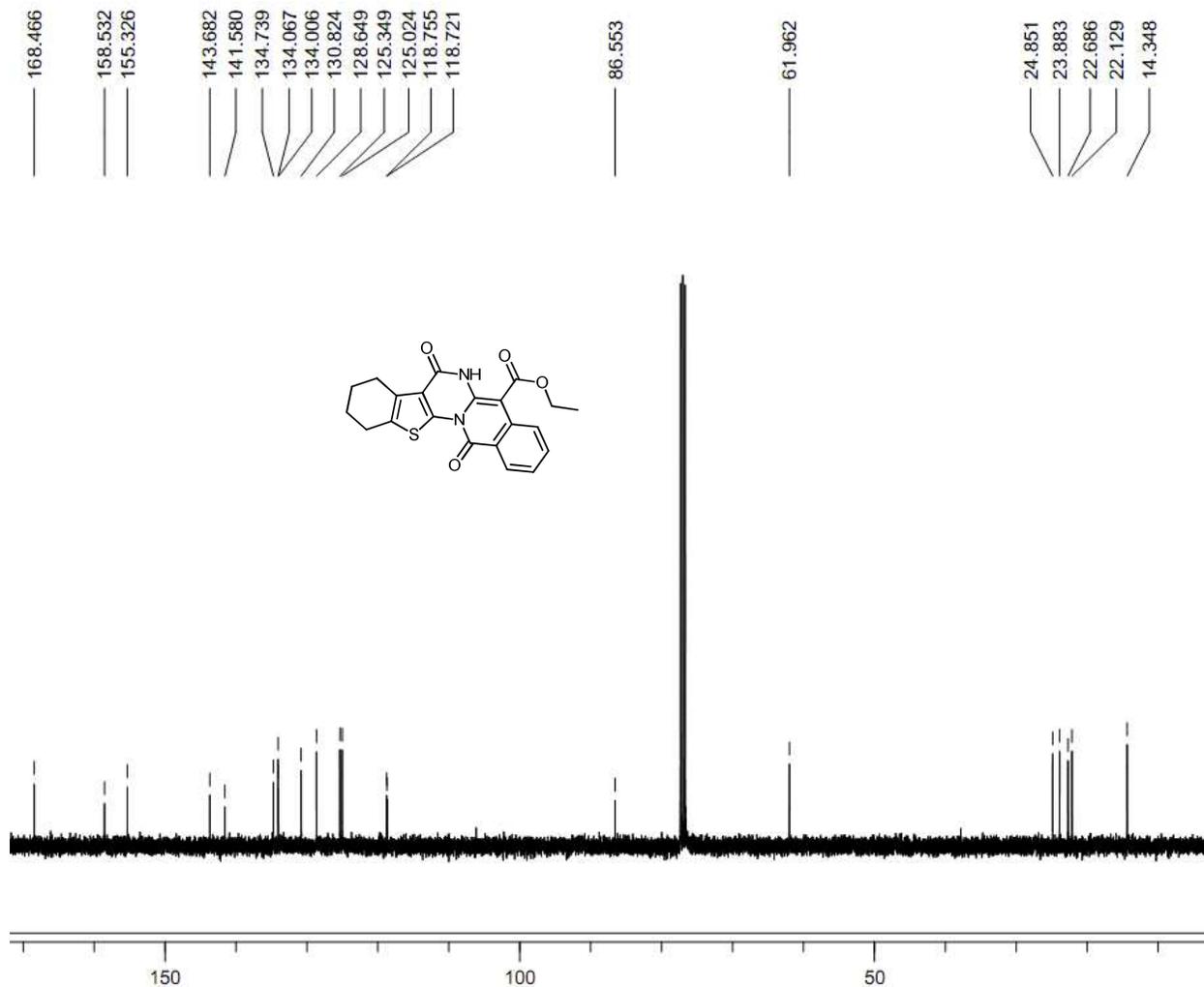


Fig. 70: ^{13}C NMR spectra of compound **5a** (CDCl_3 , 100 MHz)

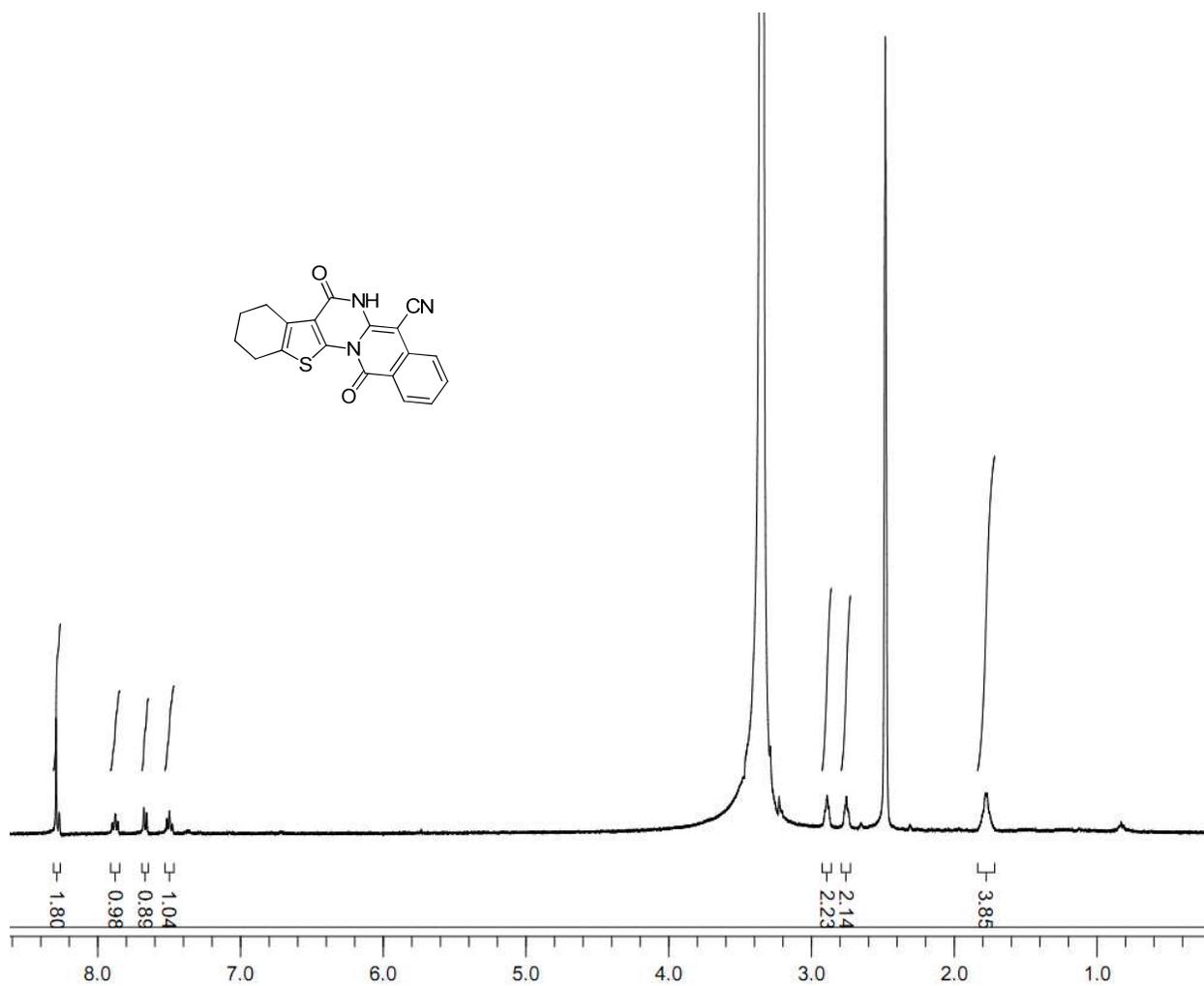


Fig. 71: ¹H NMR spectra of compound **5b** (DMSO-*d*₆, 400 MHz)

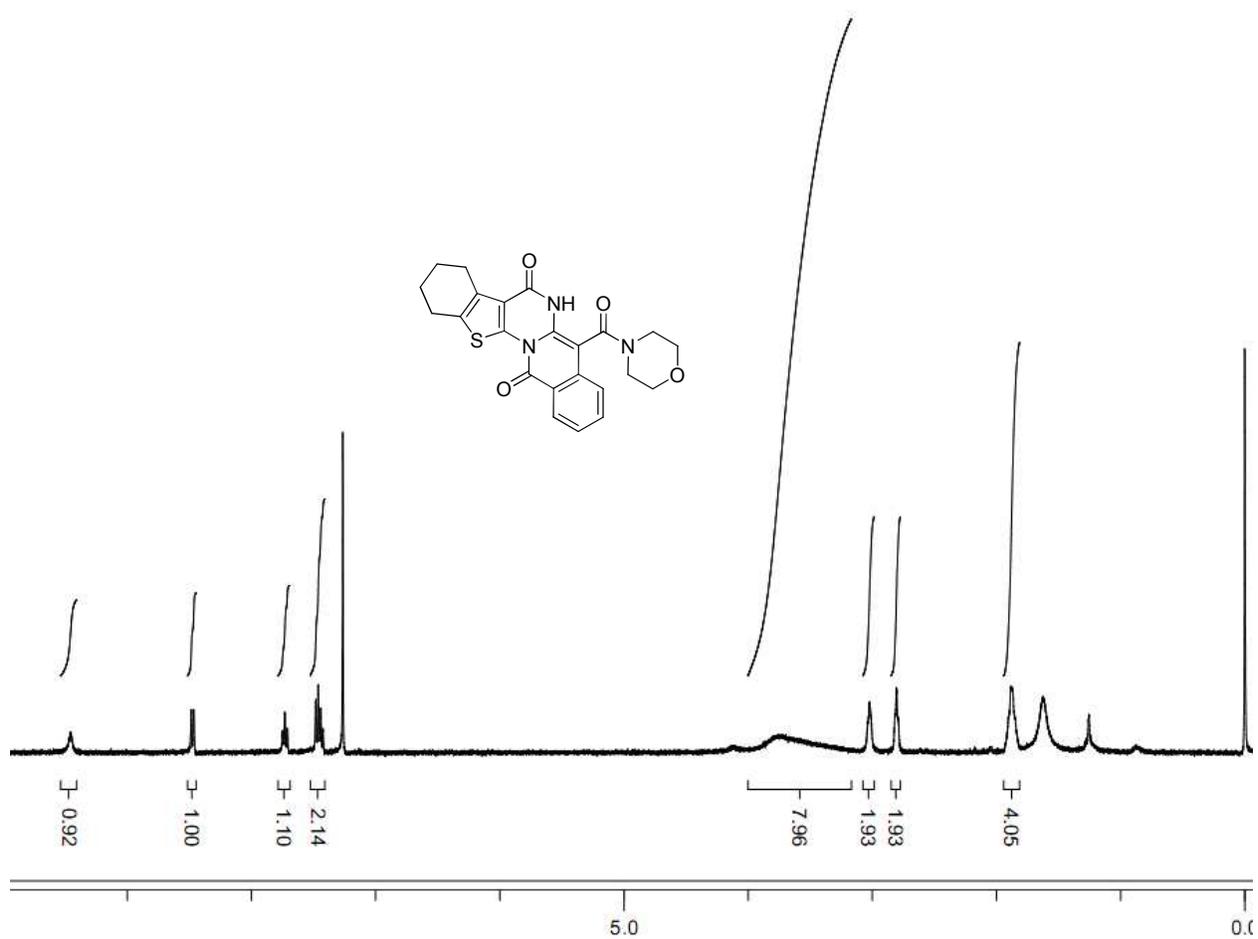


Fig. 72: ¹H NMR spectra of compound **5c** (CDCl₃, 400 MHz)

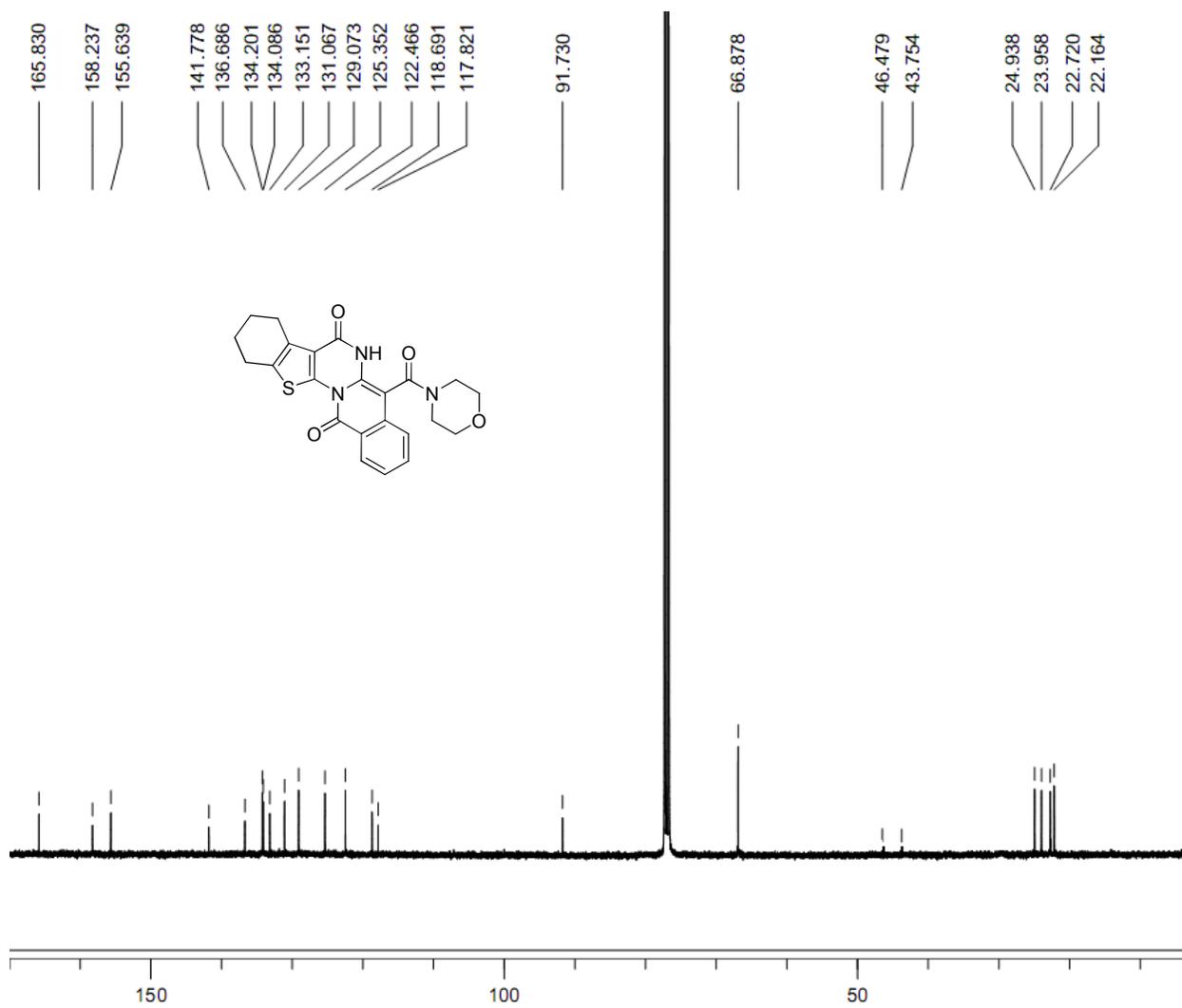


Fig. 73: ^{13}C NMR spectra of compound **5c** (CDCl_3 , 100 MHz)

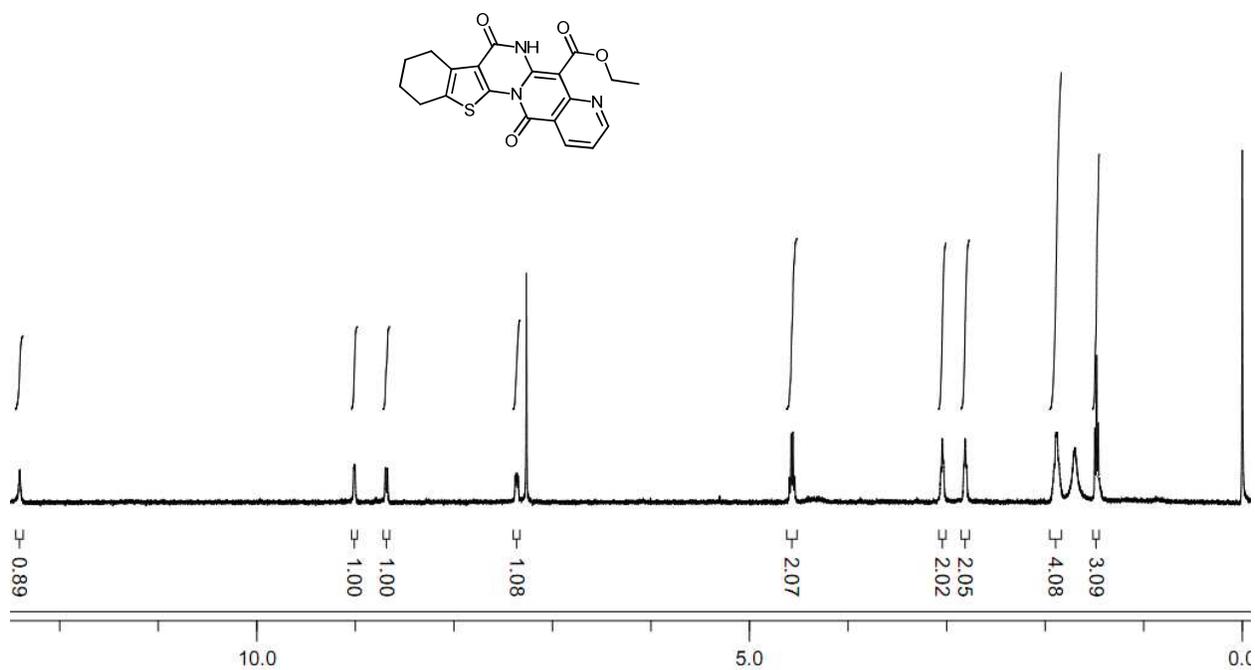


Fig. 74: ¹H NMR spectra of compound **5d** (CDCl₃, 400 MHz)

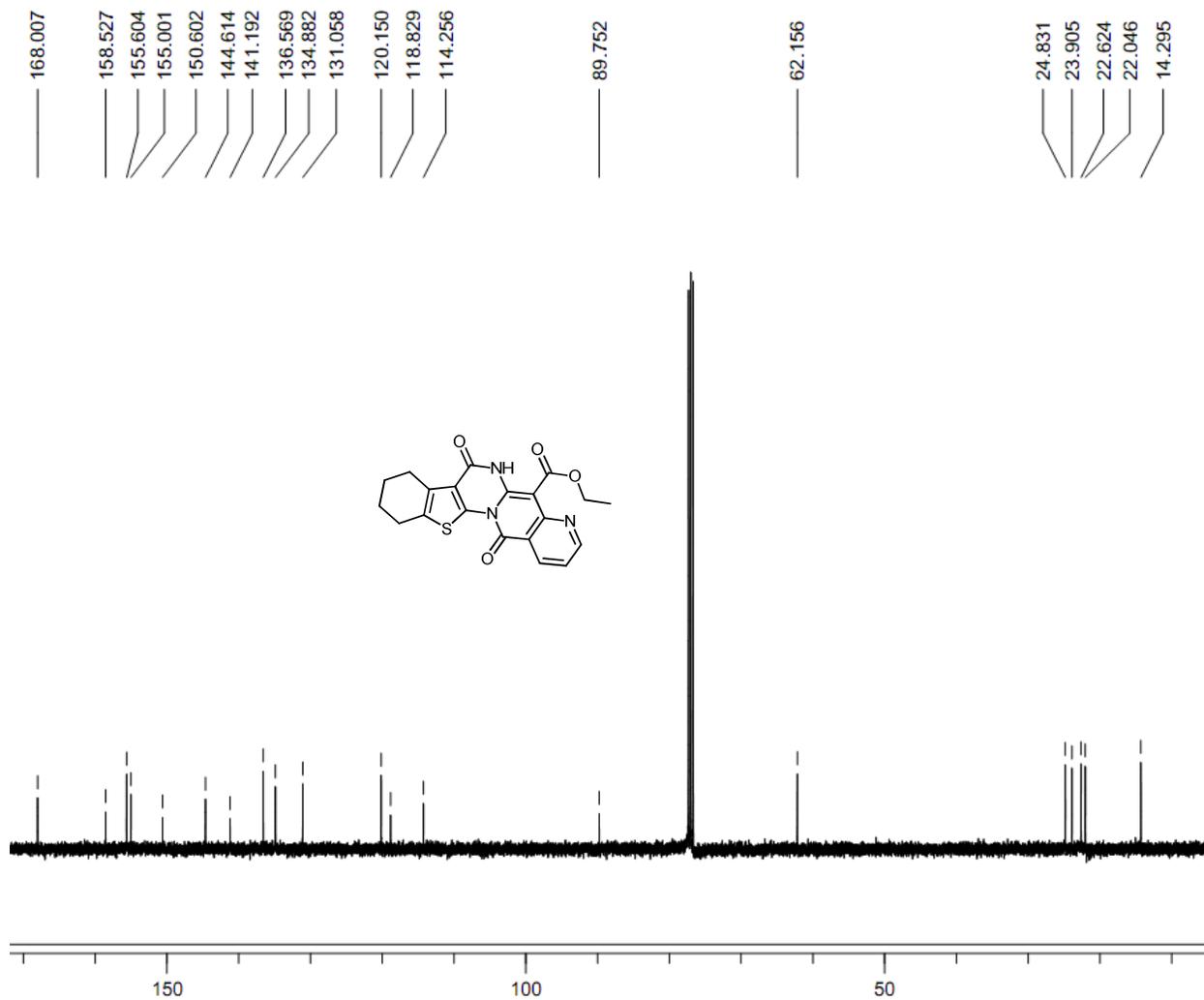


Fig. 75: ¹³C NMR spectra of compound **5d** (CDCl₃, 100 MHz)

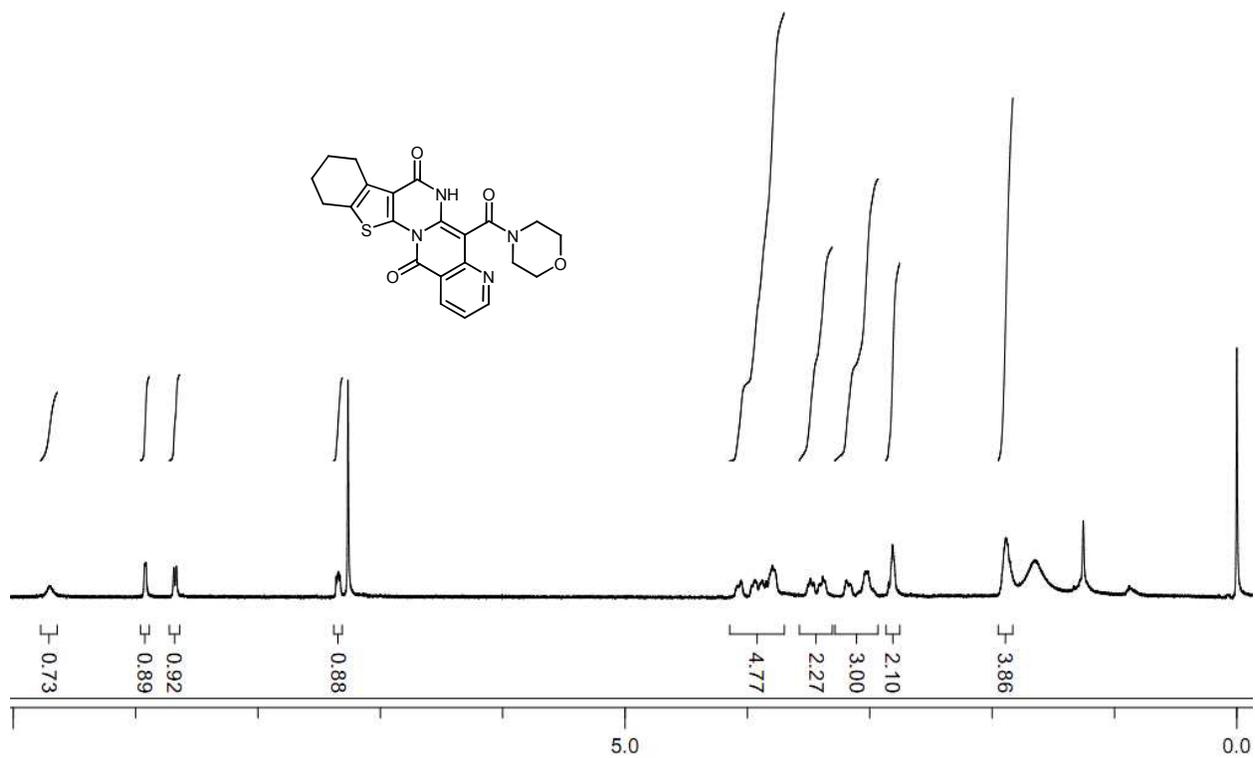


Fig. 76: ¹H NMR spectra of compound **5e** (CDCl₃, 400 MHz)

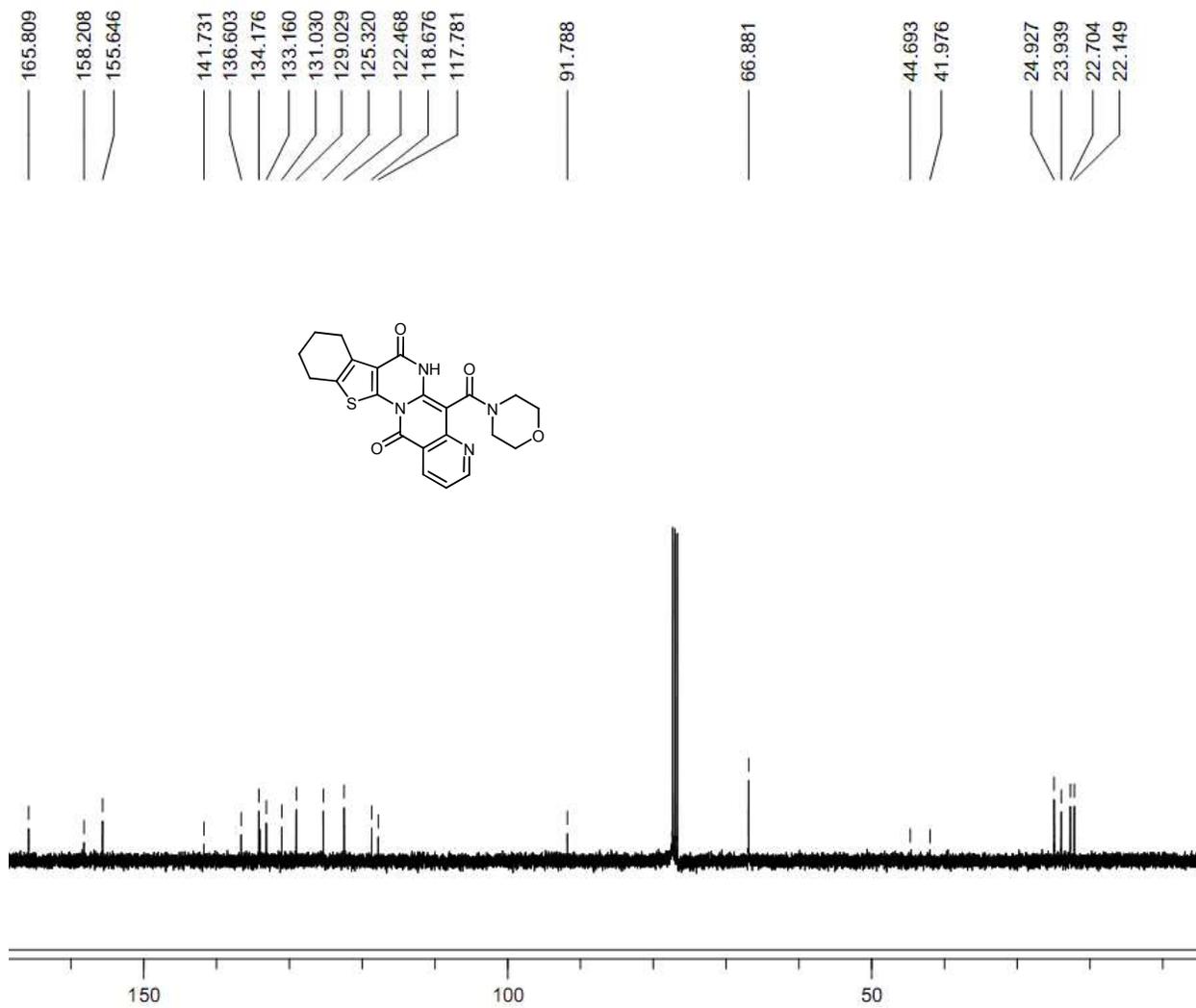


Fig. 77: ^{13}C NMR spectra of compound **5e** (CDCl_3 , 100 MHz)

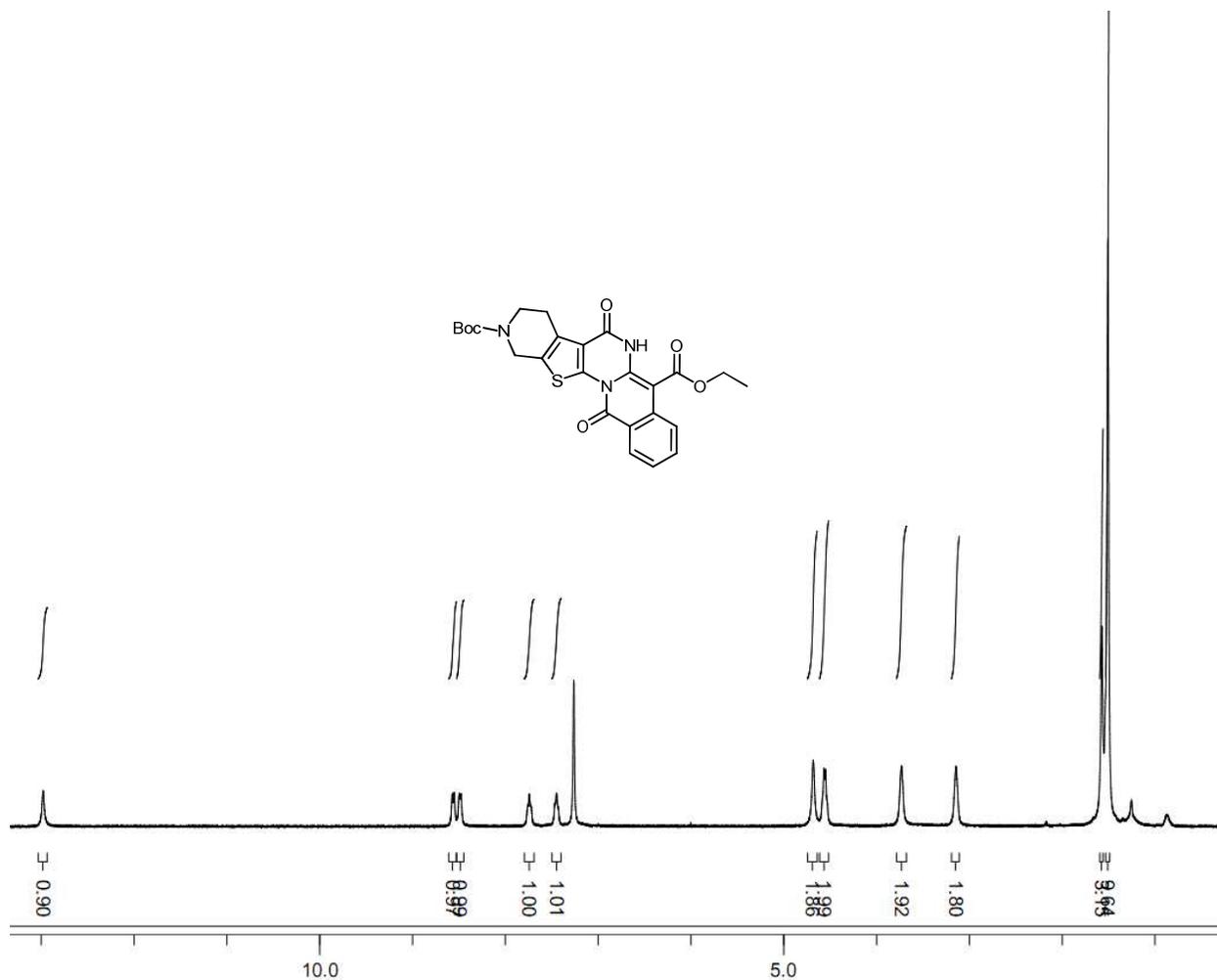


Fig. 78: ¹H NMR spectra of compound **5f** (CDCl₃, 400 MHz)

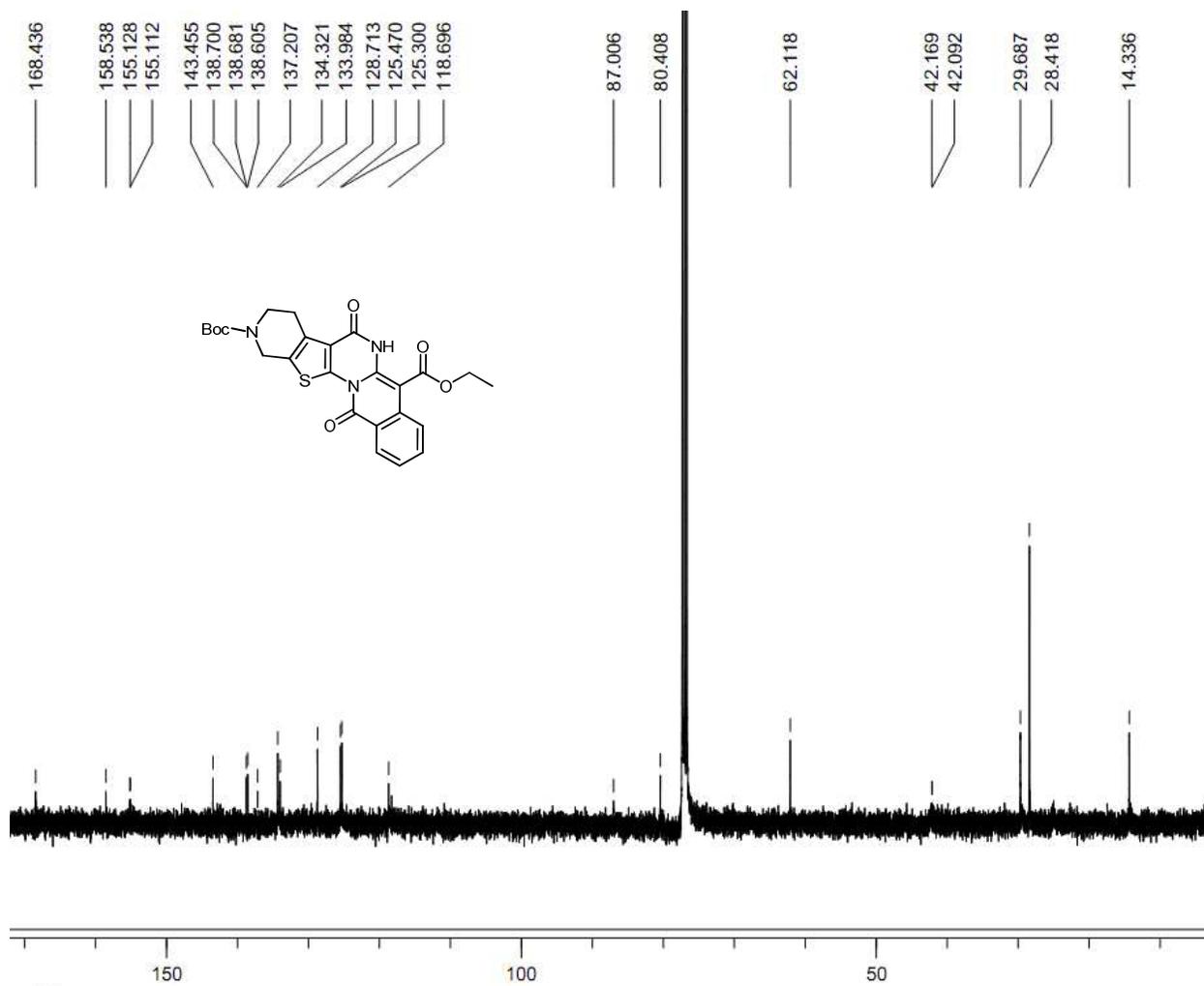


Fig. 79: ¹³C NMR spectra of compound **5f** (CDCl₃, 100 MHz)

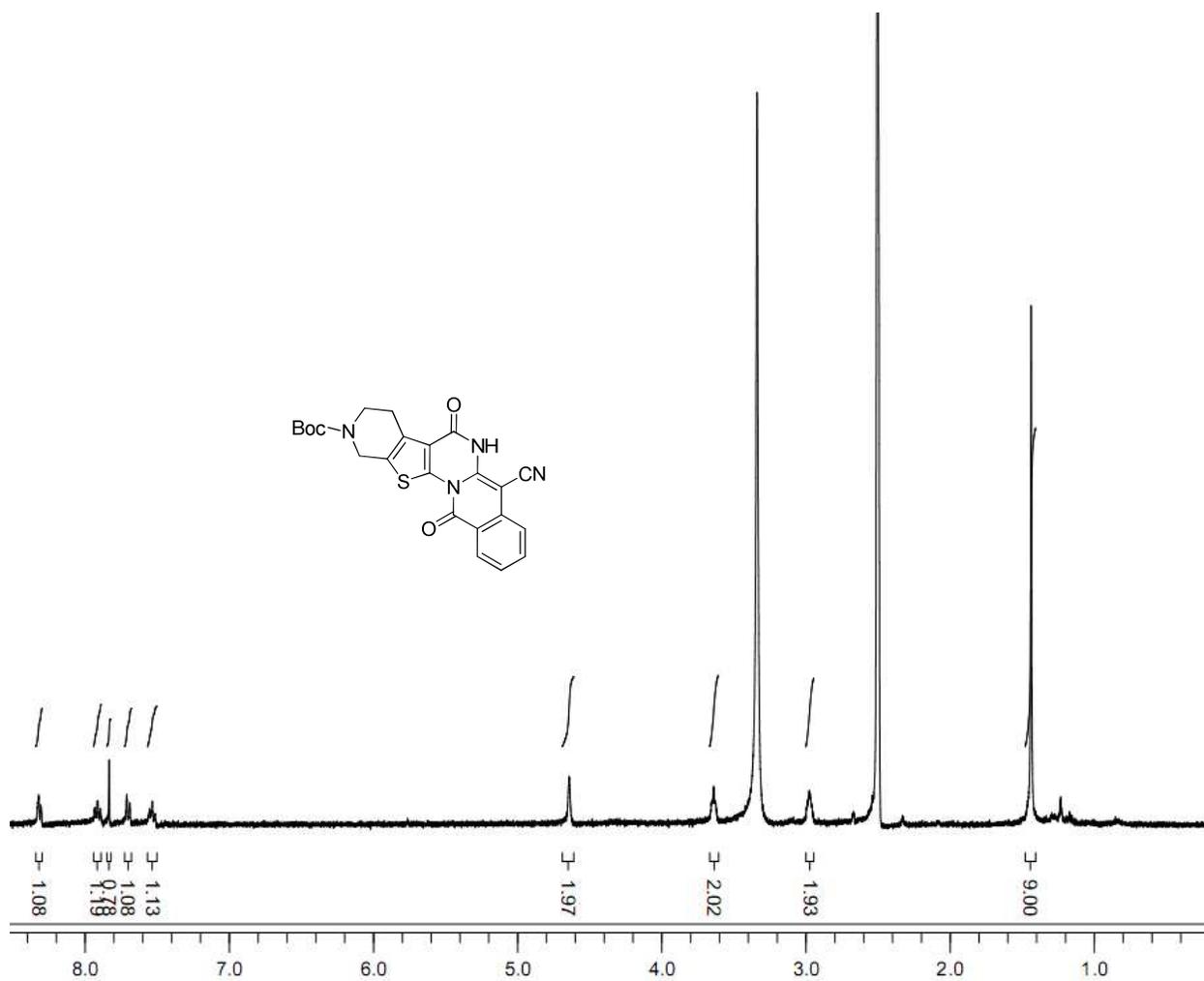


Fig. 80: ¹H NMR spectra of compound **5g** (DMSO-*d*₆, 400 MHz)

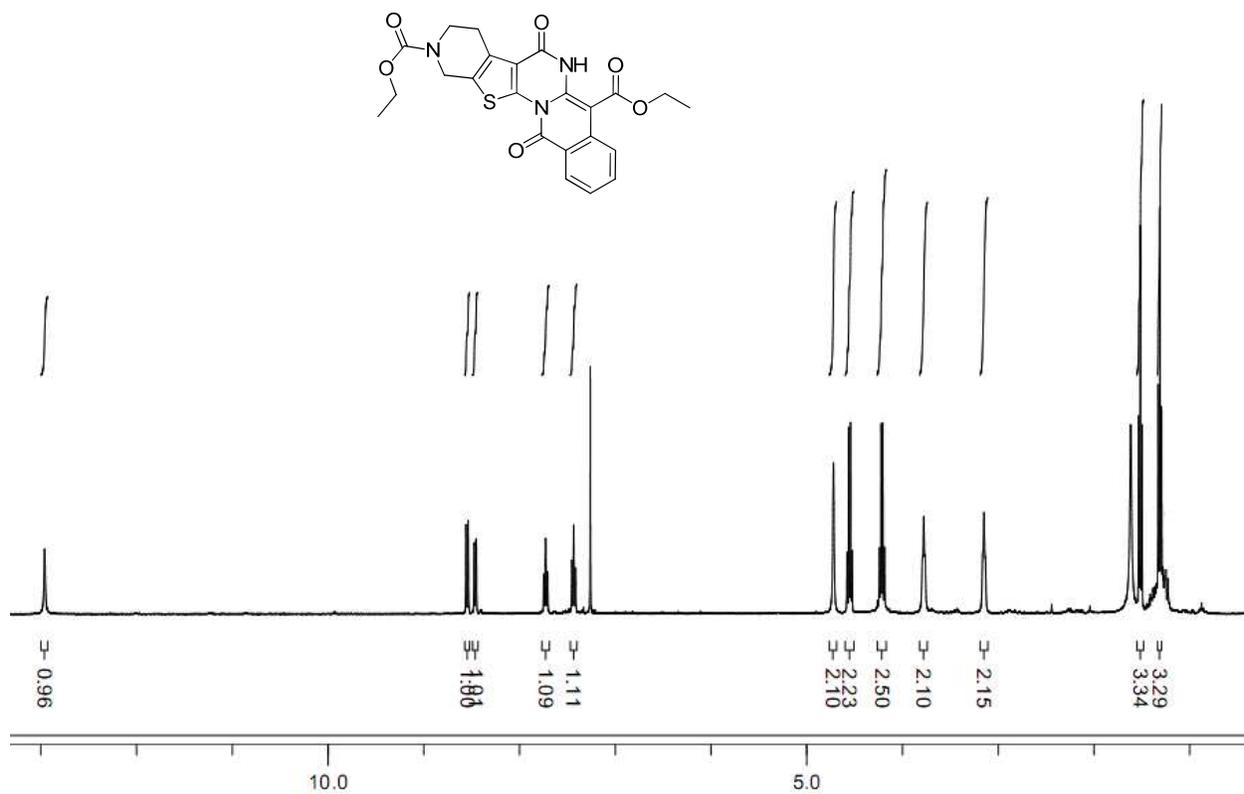


Fig. 81: ¹H NMR spectra of compound **5h** (CDCl₃, 400 MHz)

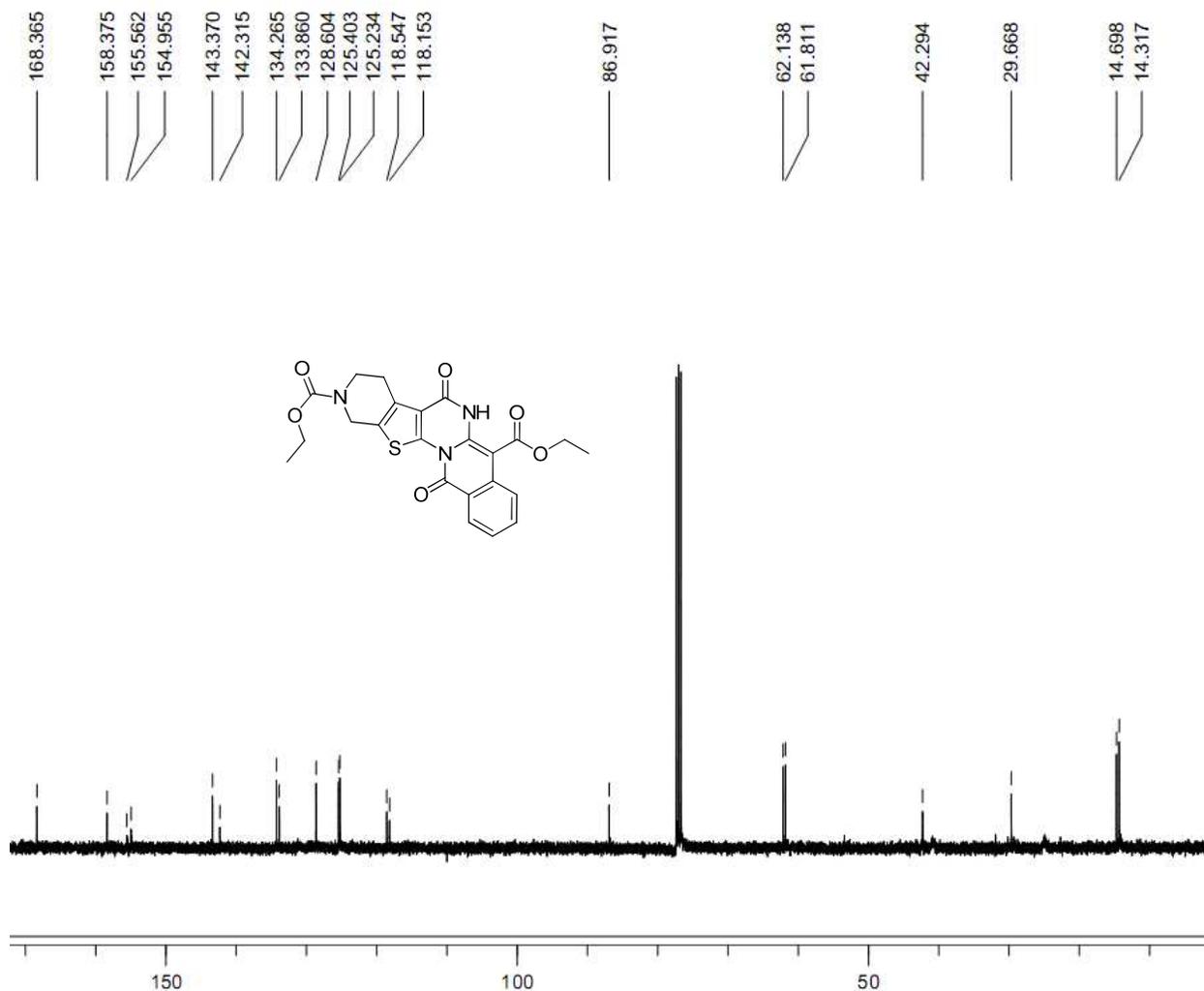


Fig. 82: ¹³C NMR spectra of compound **5h** (CDCl₃, 100 MHz)

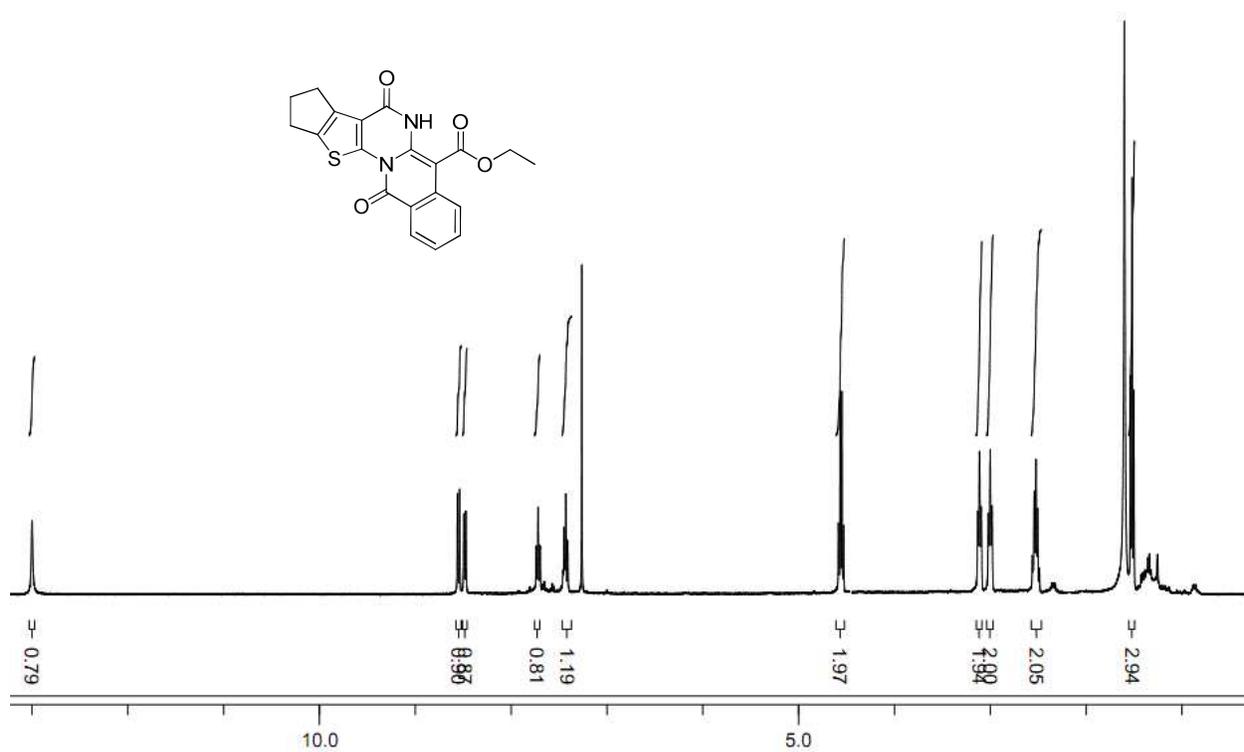


Fig. 83: ¹H NMR spectra of compound **5i** (CDCl₃, 400 MHz)

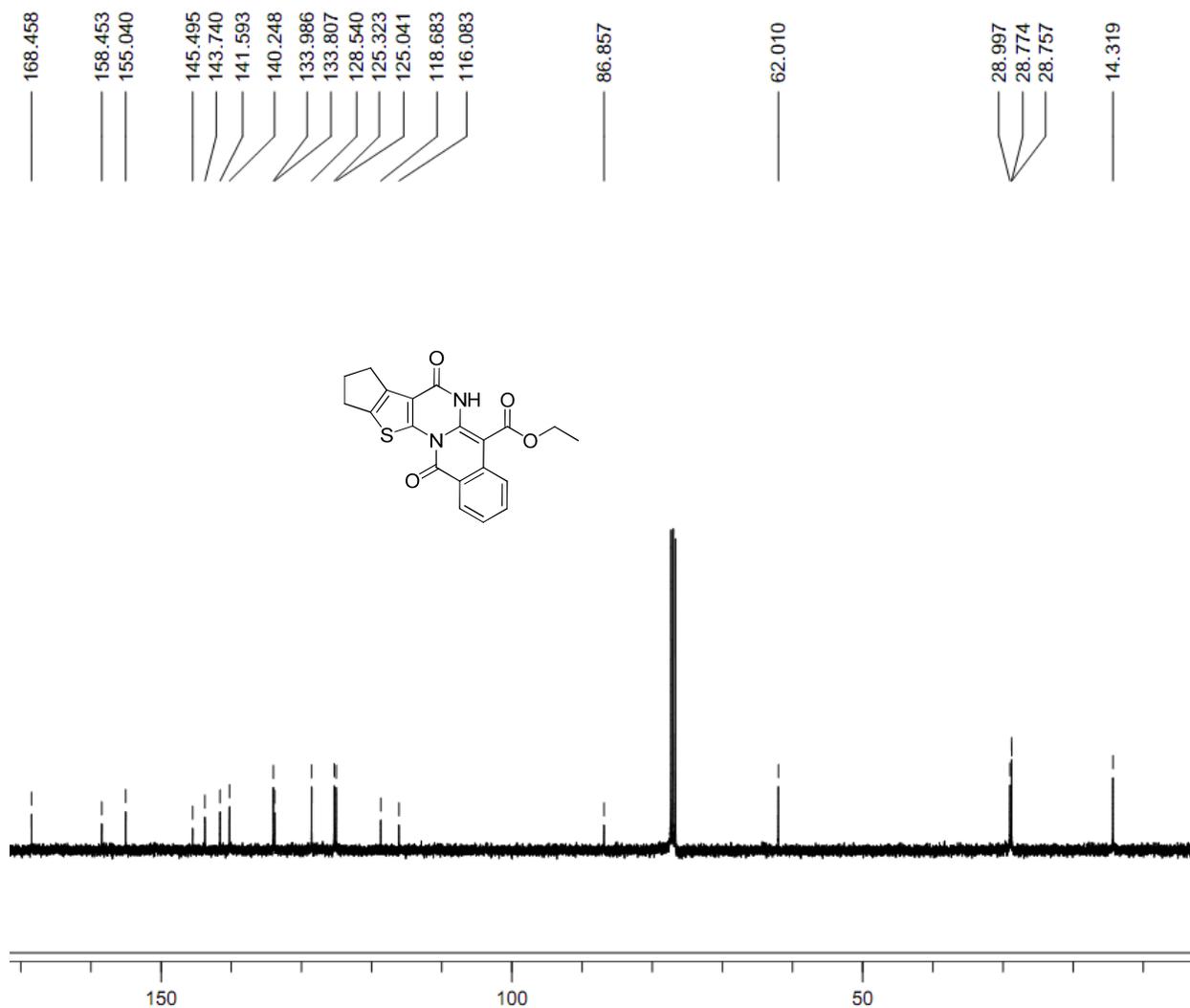


Fig. 84: ^{13}C NMR spectra of compound **5i** (CDCl_3 , 100 MHz)

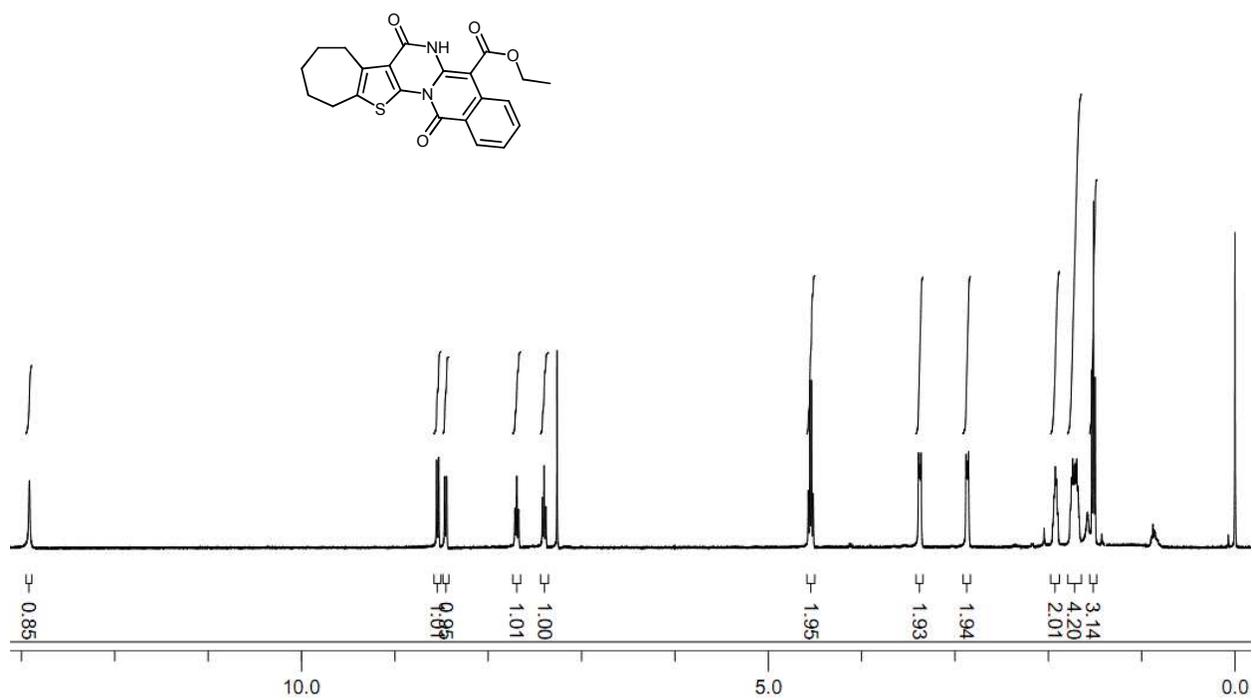


Fig. 85: ¹H NMR spectra of compound **5j** (CDCl₃, 400 MHz)

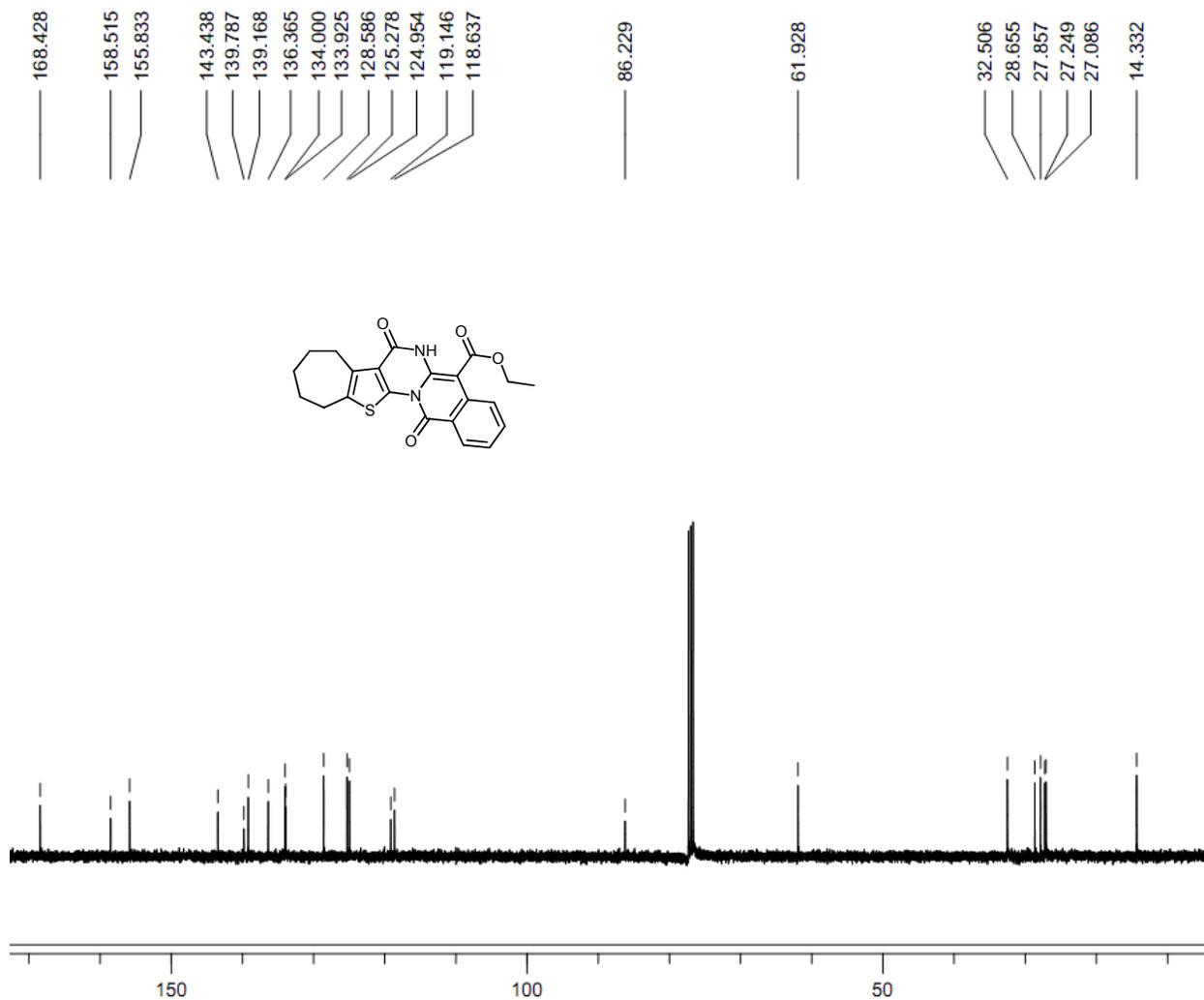


Fig. 86: ^{13}C NMR spectra of compound **5j** (CDCl_3 , 100 MHz)

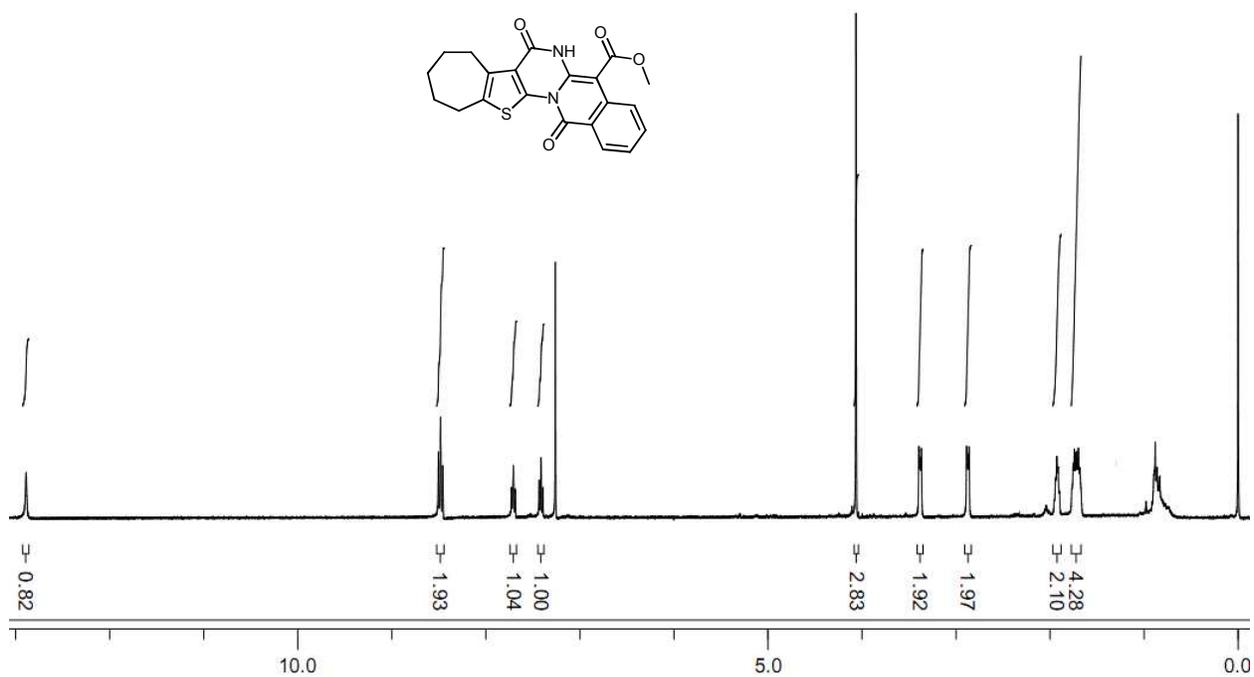


Fig. 87: ¹H NMR spectra of compound **5k** (CDCl₃, 400 MHz)

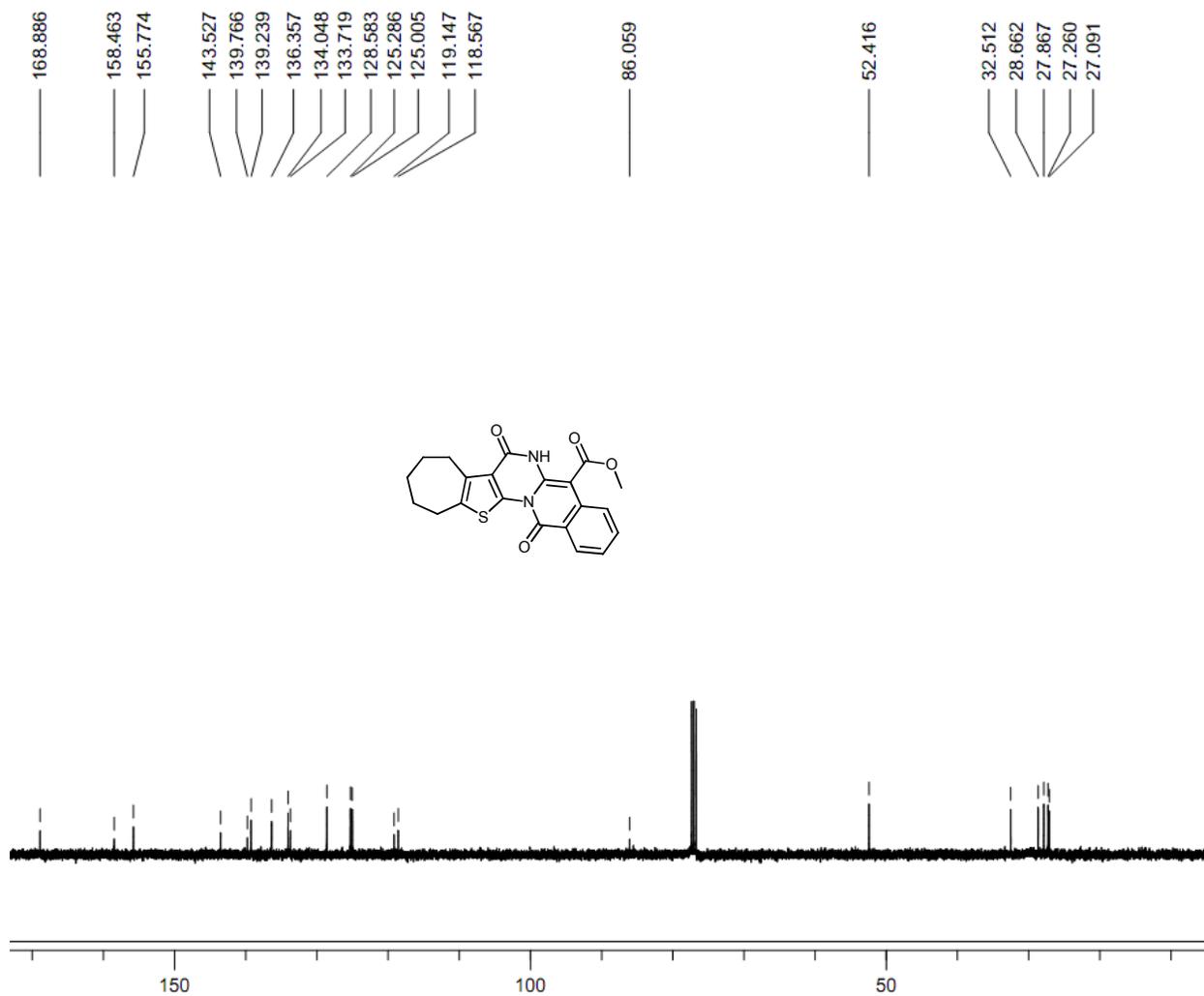


Fig. 88: ^{13}C NMR spectra of compound **5k** (CDCl_3 , 100 MHz)

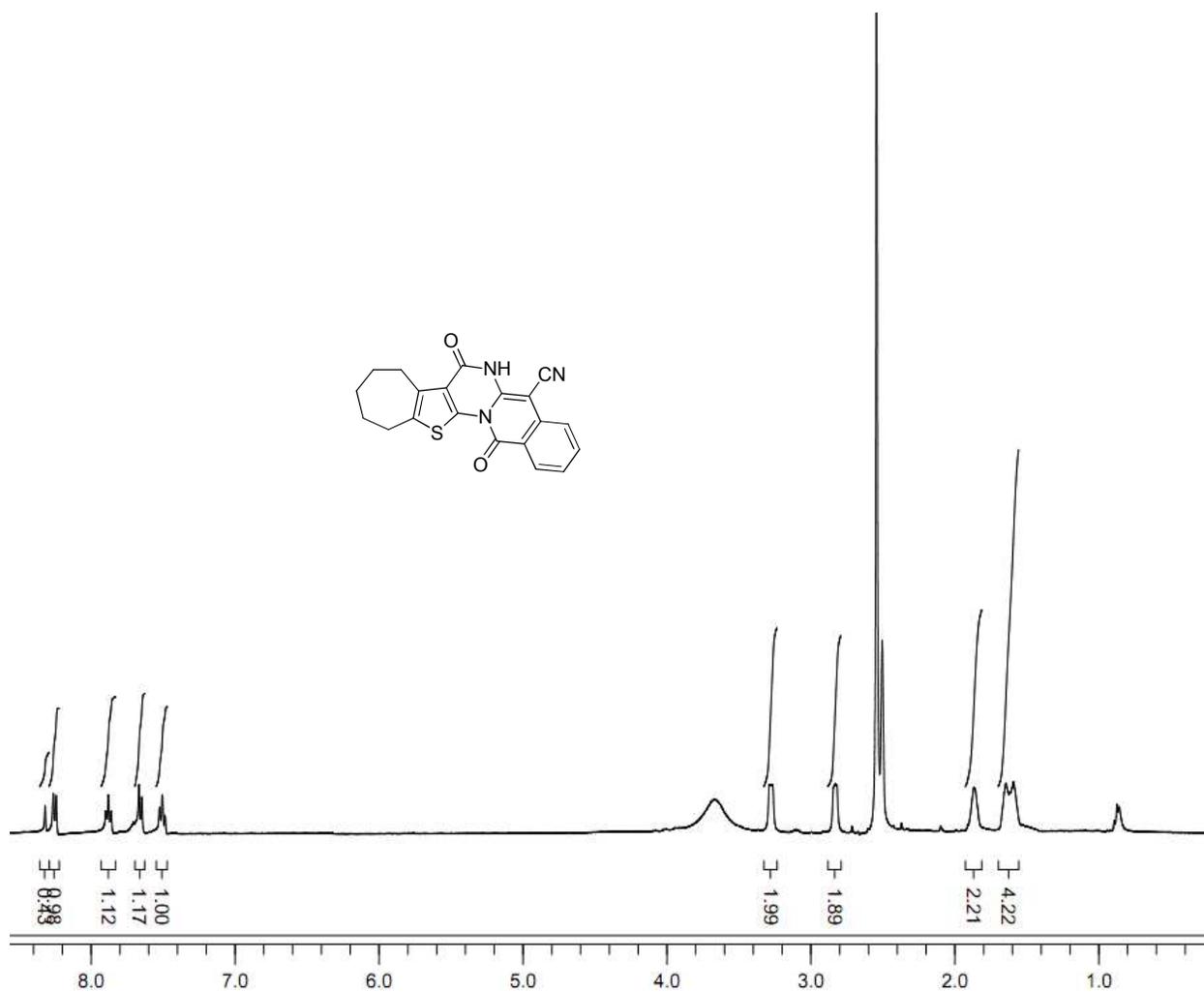


Fig. 89: ¹H NMR spectra of compound **5I** (DMSO-*d*₆, 400 MHz)

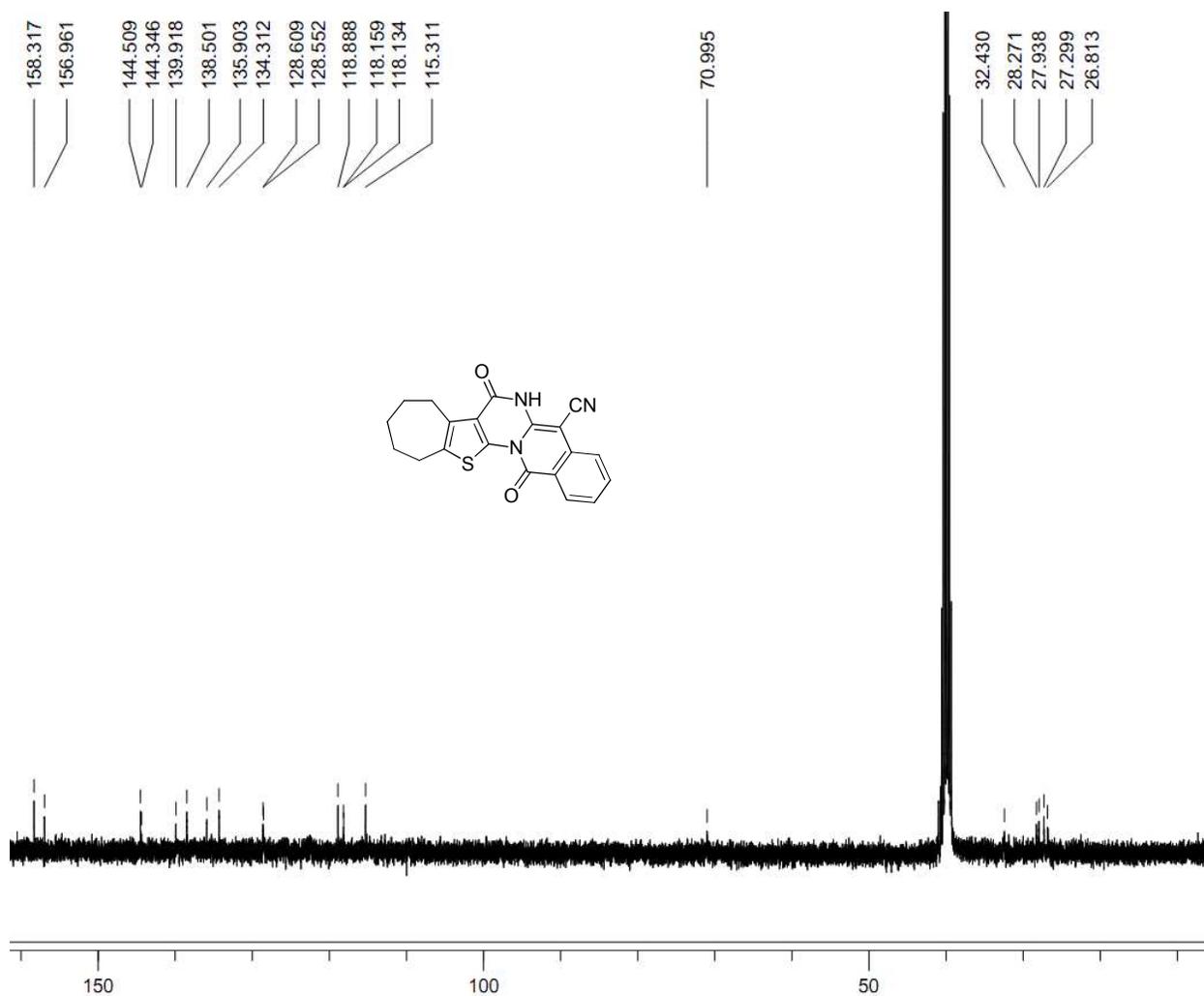


Fig. 90: ^{13}C NMR spectra of compound **5I** ($\text{DMSO-}d_6$, 100 MHz)

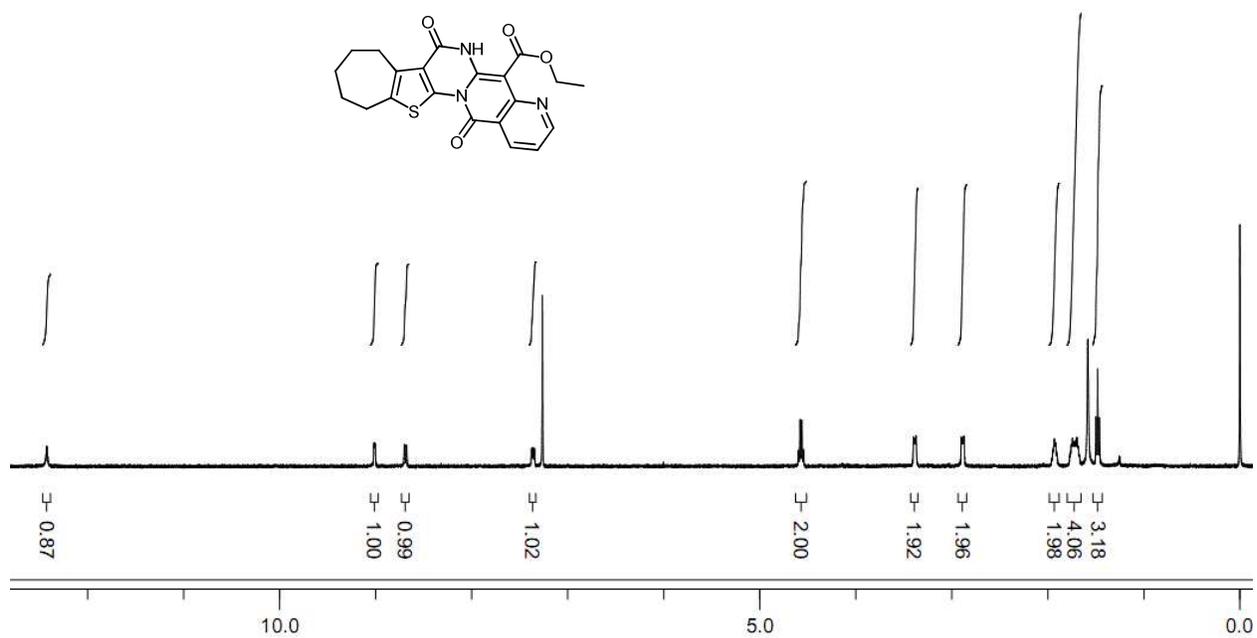


Fig. 91: ¹H NMR spectra of compound **5m** (CDCl₃, 400 MHz)

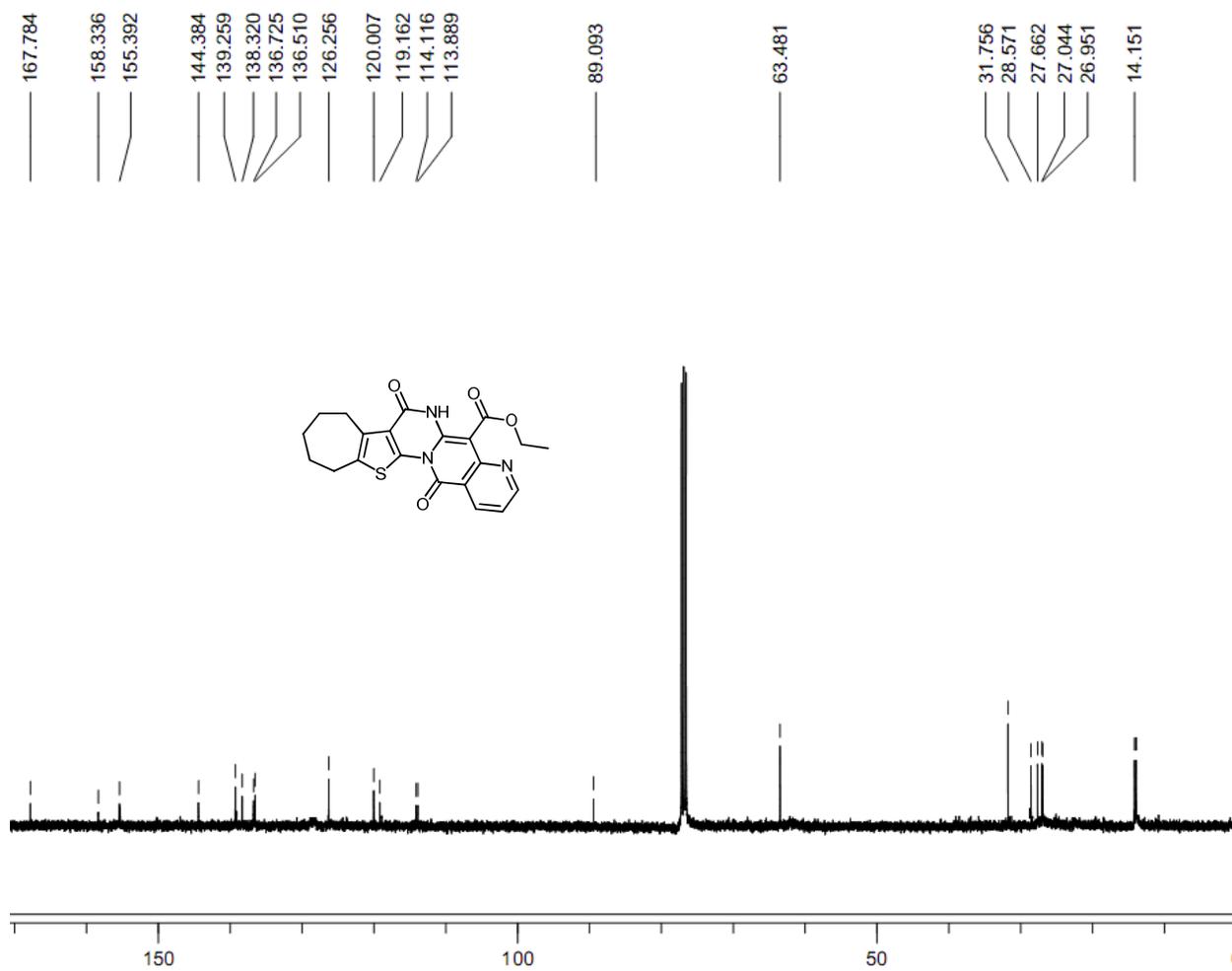


Fig. 92: ^{13}C NMR spectra of compound **5m** (CDCl_3 , 100 MHz)

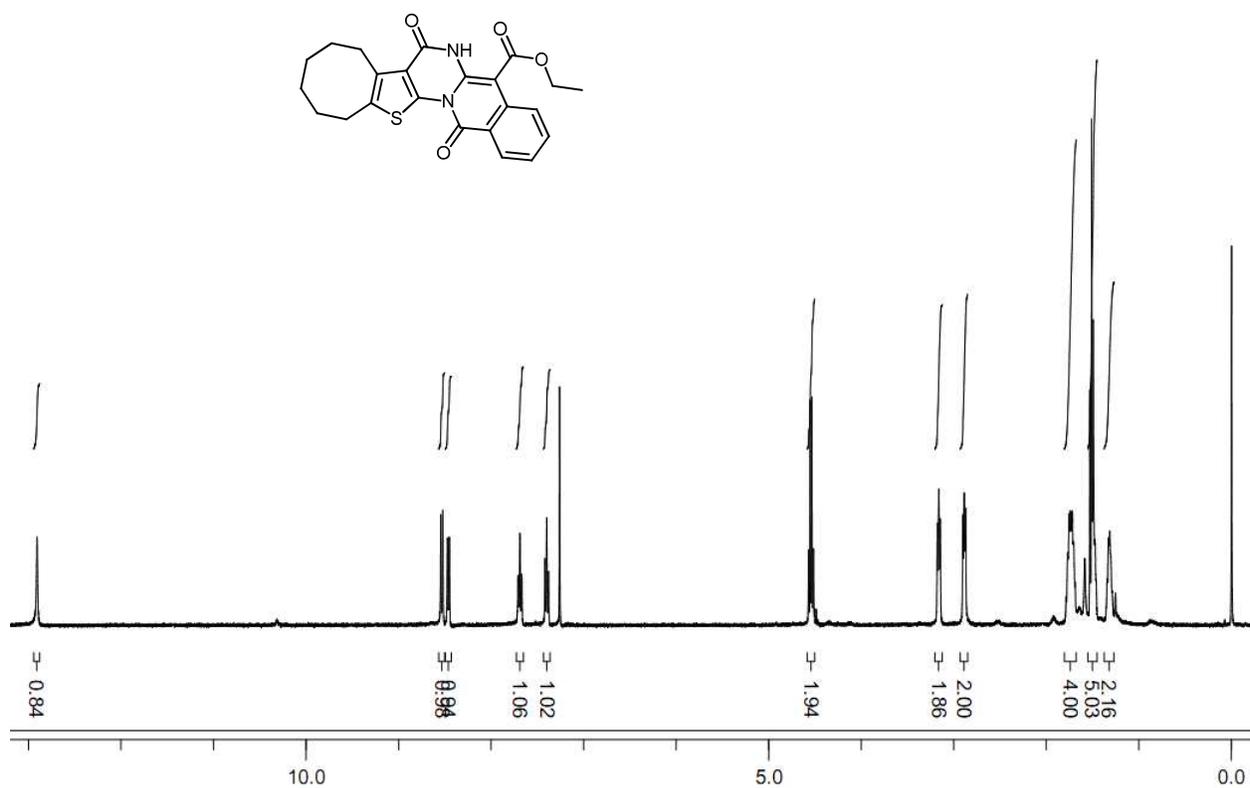


Fig. 93: ¹H NMR spectra of compound **5n** (CDCl₃, 400 MHz)

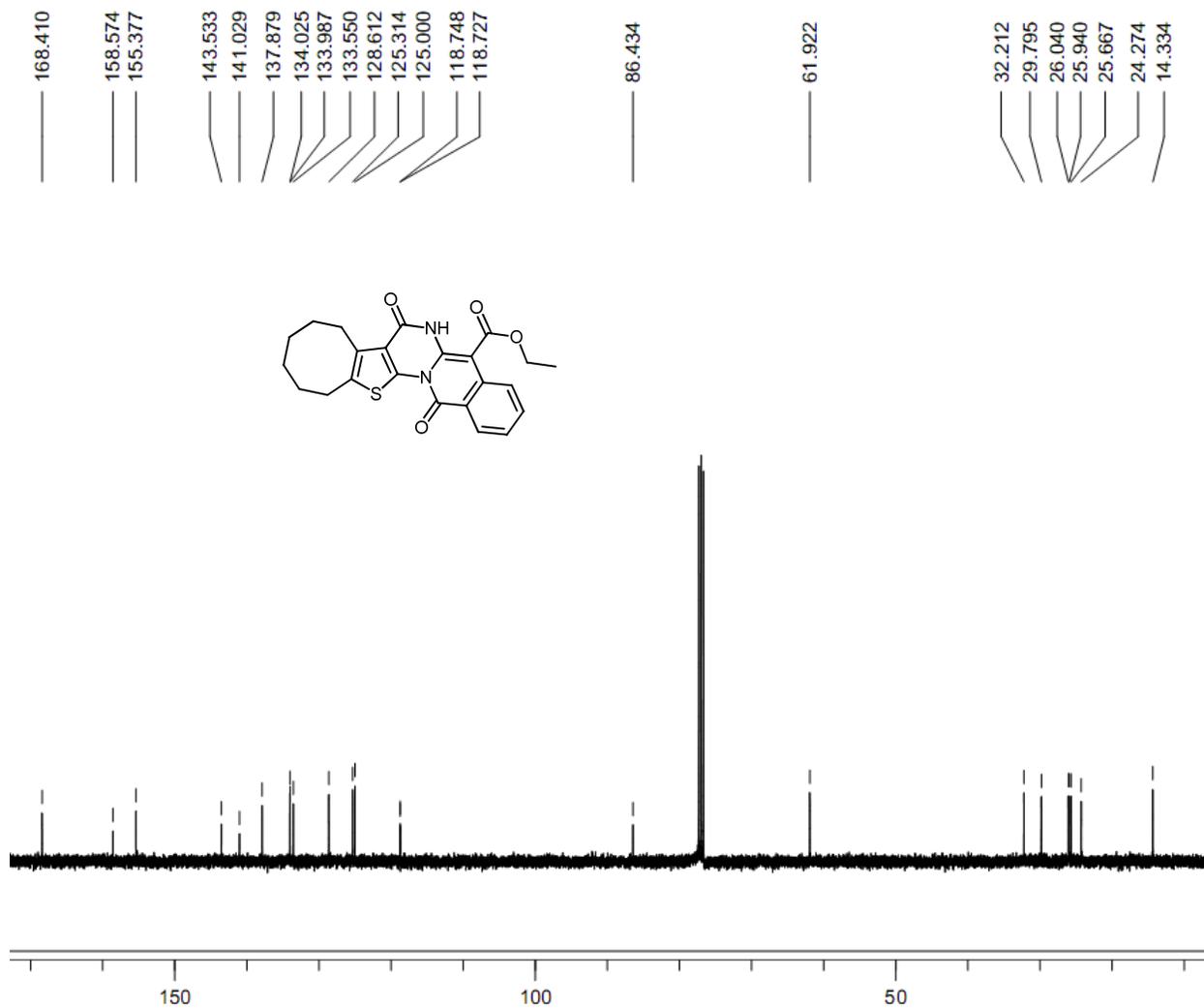


Fig. 94: ^{13}C NMR spectra of compound **5n** (CDCl_3 , 100 MHz)

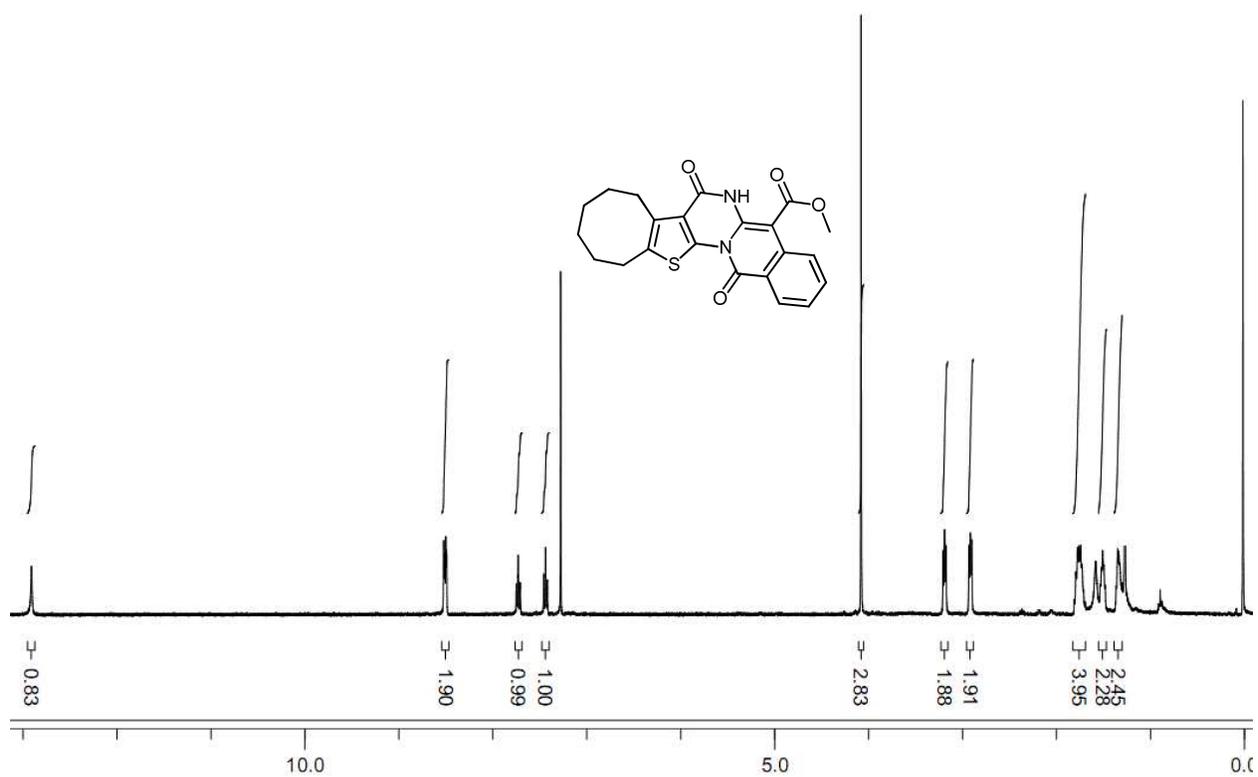


Fig. 95: ¹H NMR spectra of compound **5o** (CDCl₃, 400 MHz)

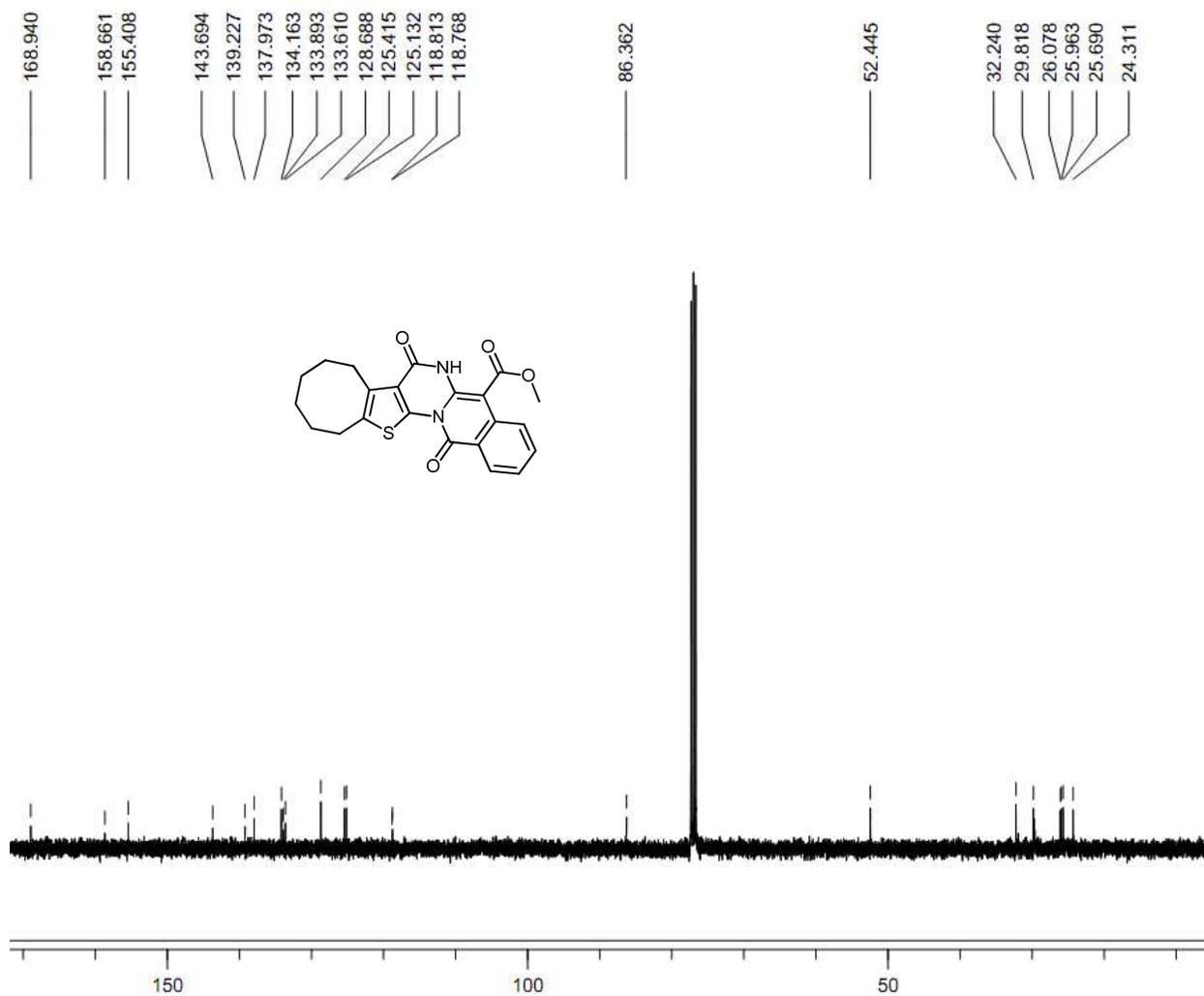


Fig. 96: ¹³C NMR spectra of compound **5o** (CDCl₃, 100 MHz)

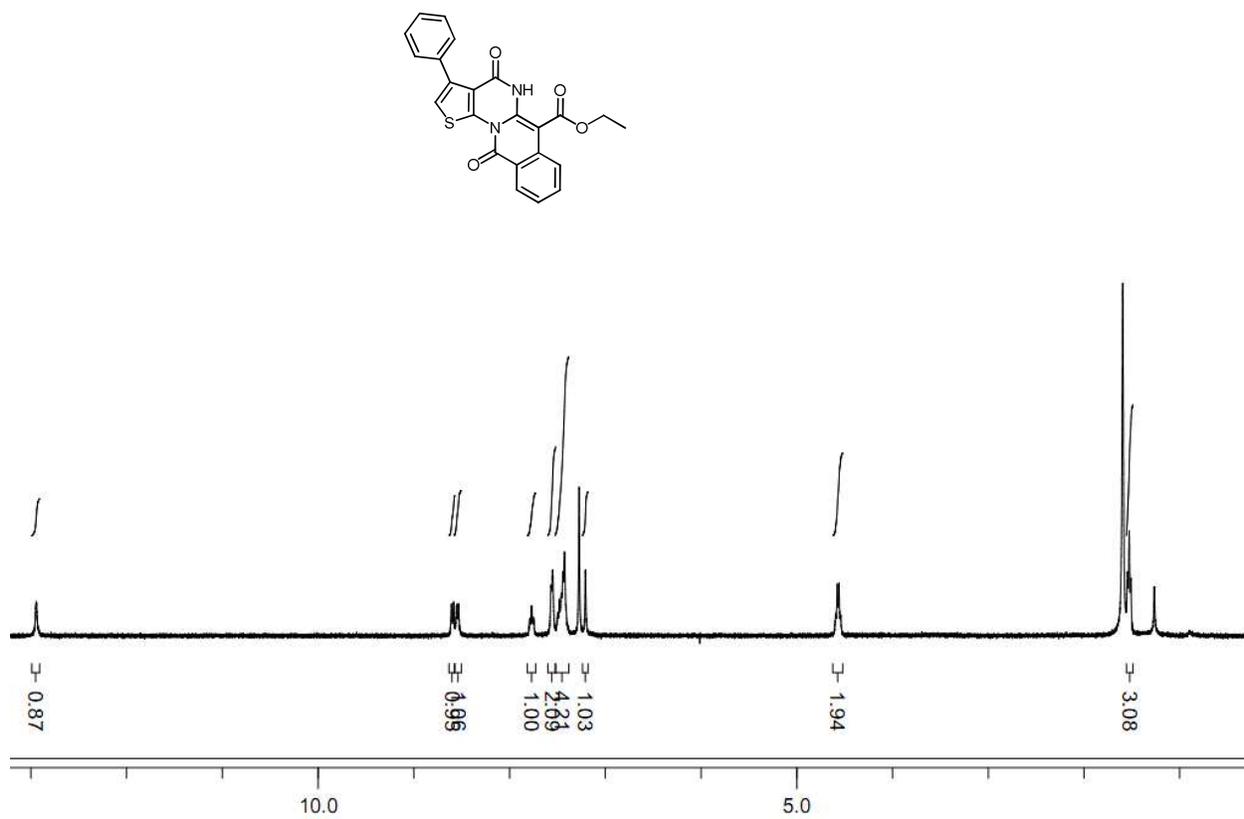


Fig. 97: ¹H NMR spectra of compound **5p** (CDCl₃, 400 MHz)

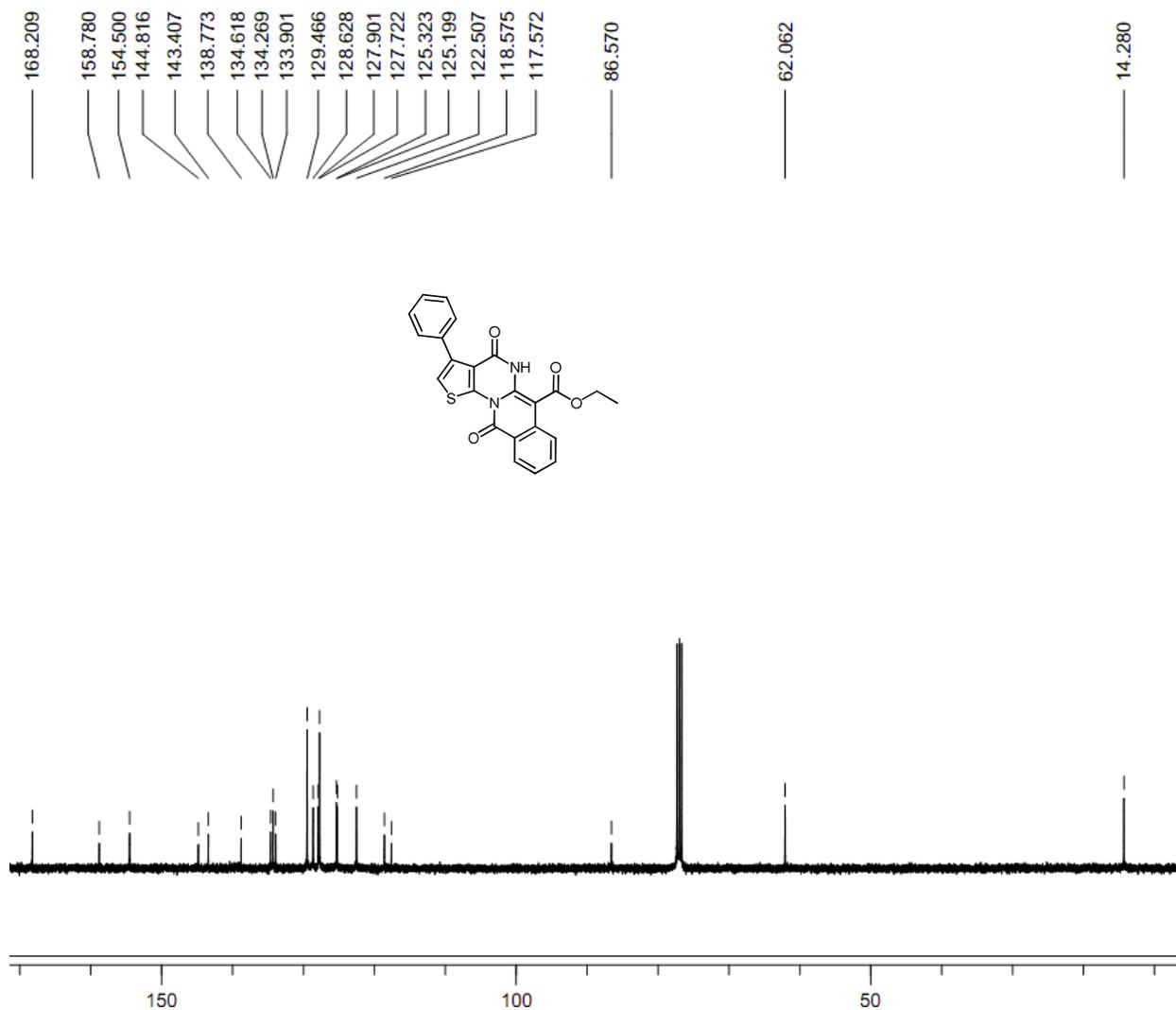


Fig. 98: ^{13}C NMR spectra of compound **5p** (CDCl_3 , 100 MHz)

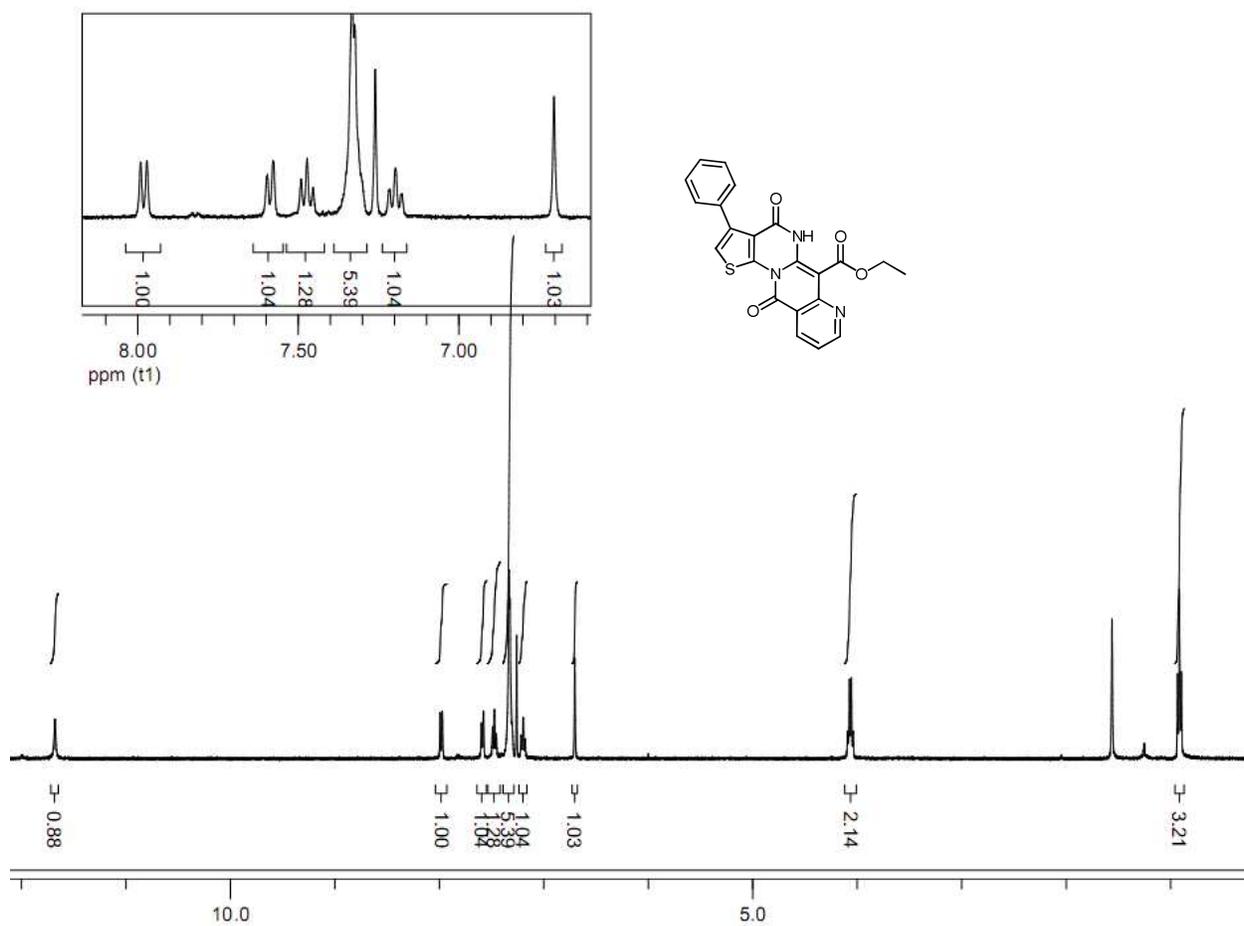


Fig. 99: ¹H NMR spectra of compound **5q** (CDCl₃, 400 MHz)

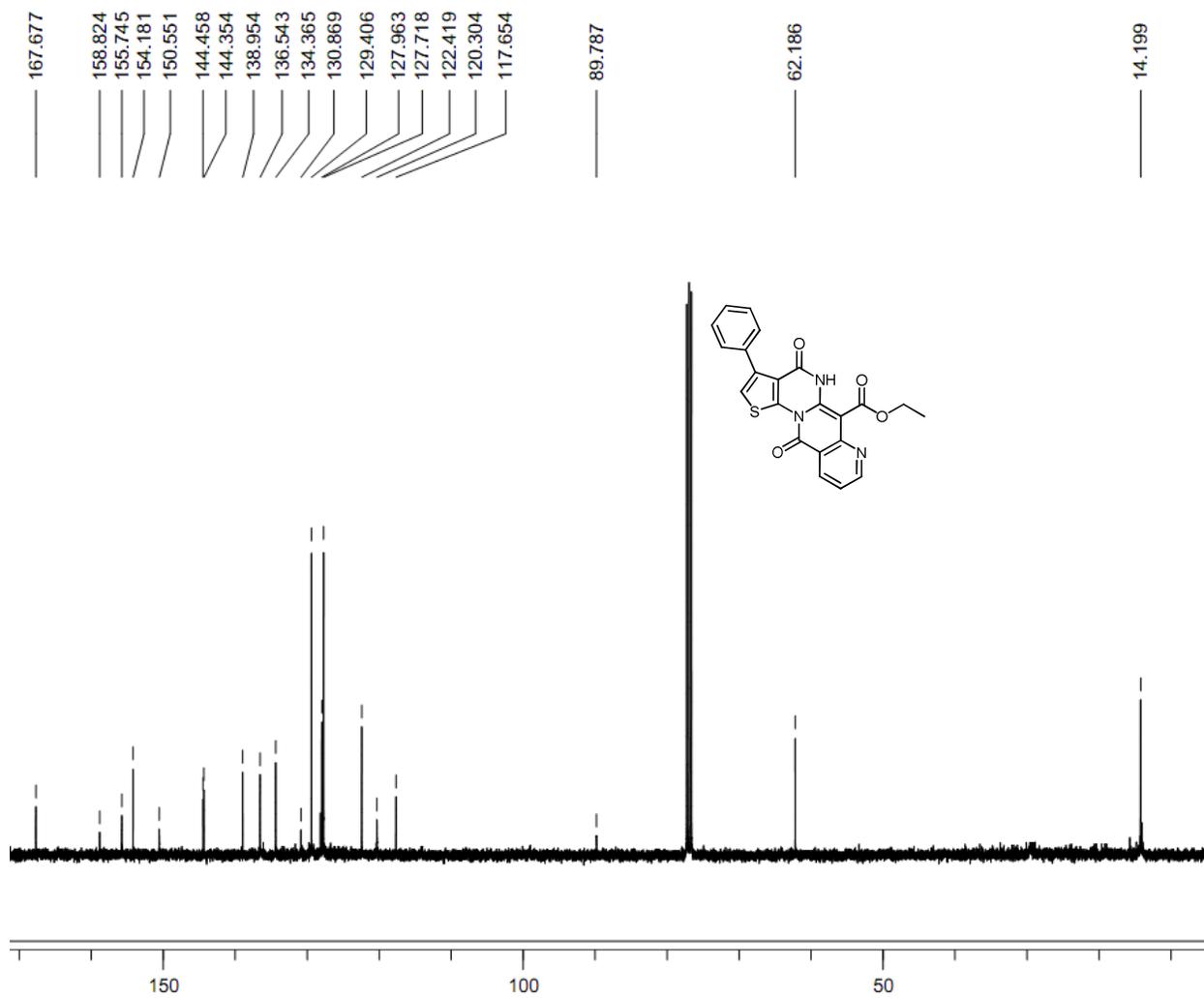


Fig. 100: ^{13}C NMR spectra of compound **5q** (CDCl_3 , 100 MHz)

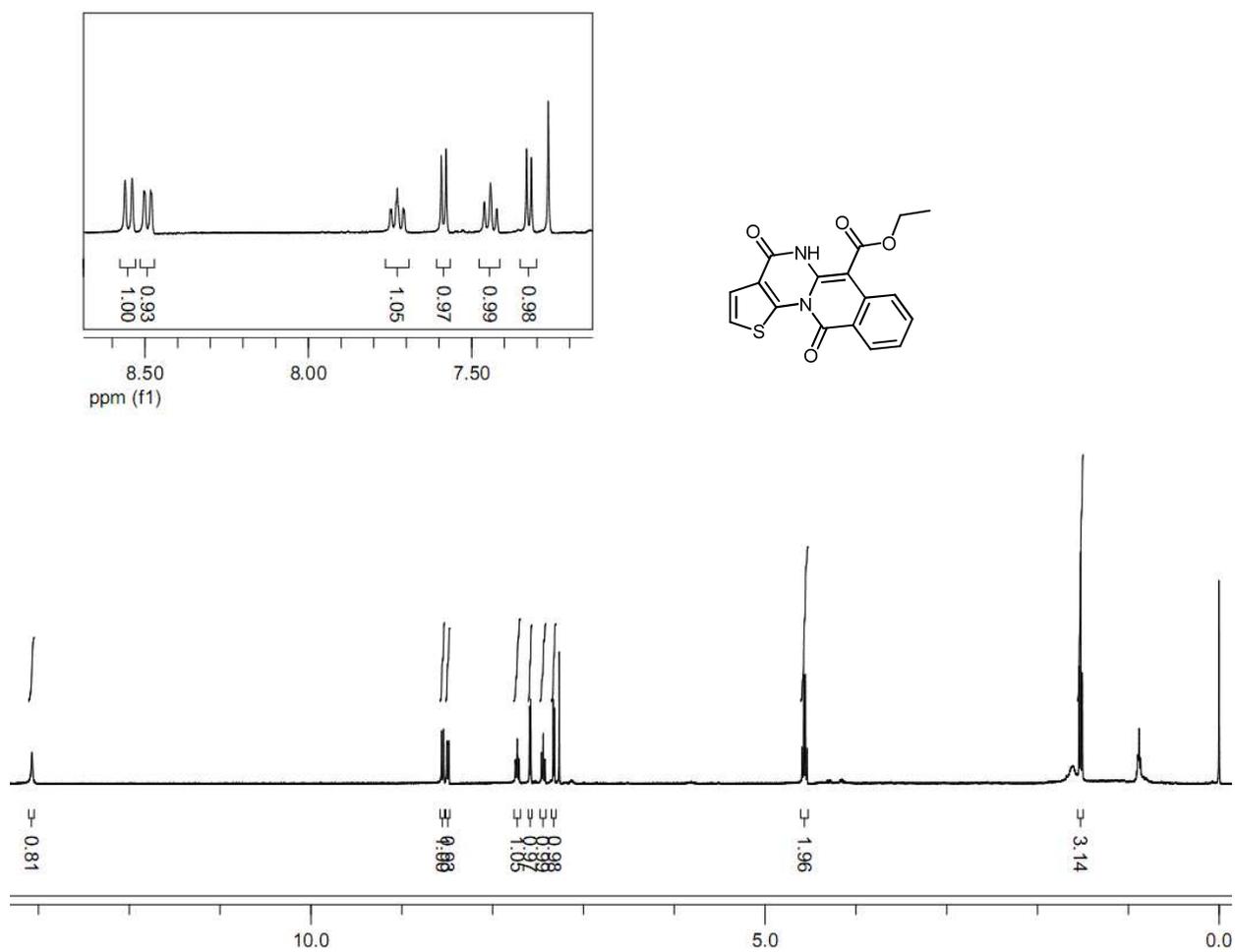


Fig. 101: ¹H NMR spectra of compound **5r** (CDCl₃, 400 MHz)

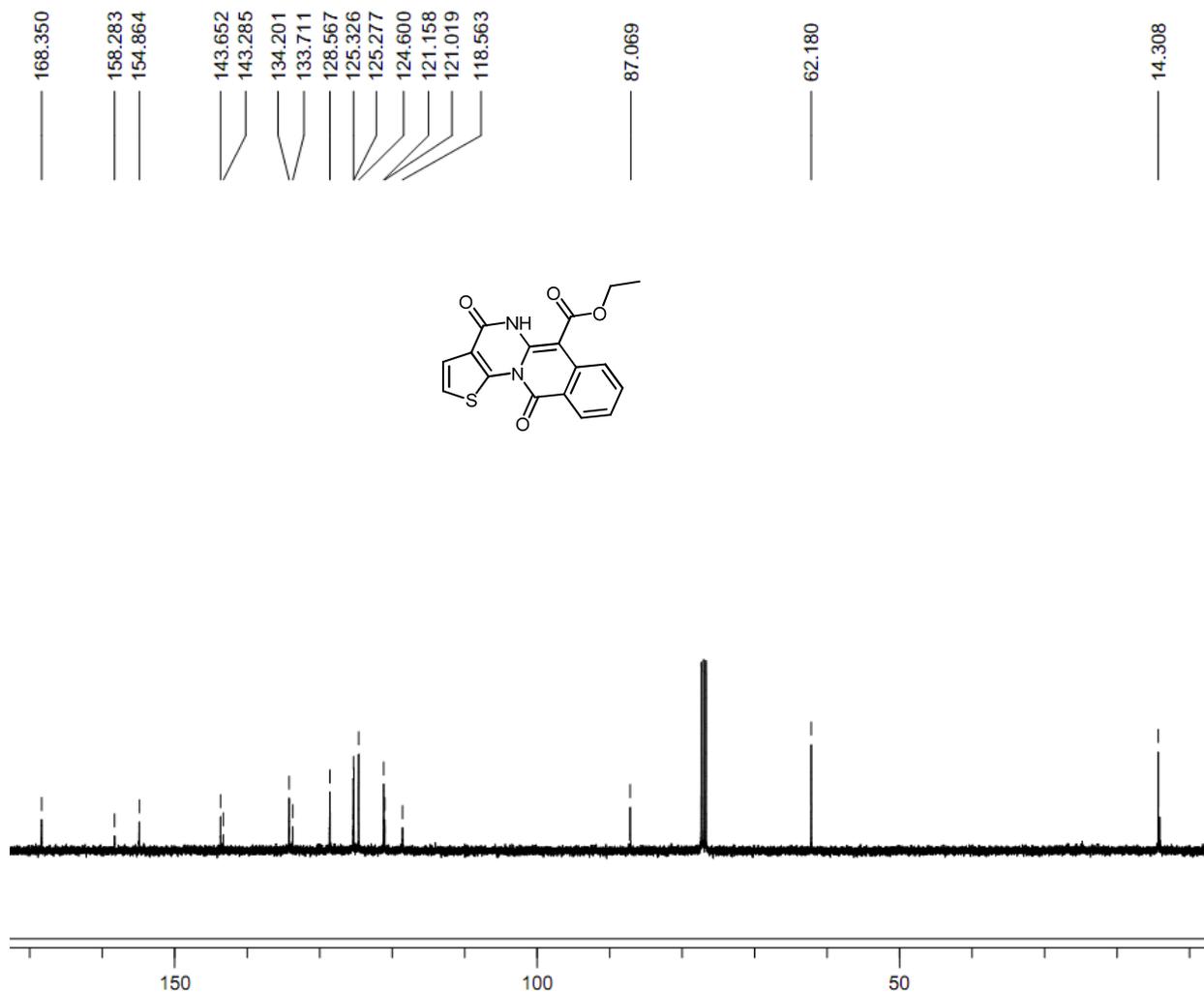


Fig. 102: ¹³C NMR spectra of compound **5r** (CDCl₃, 100 MHz)

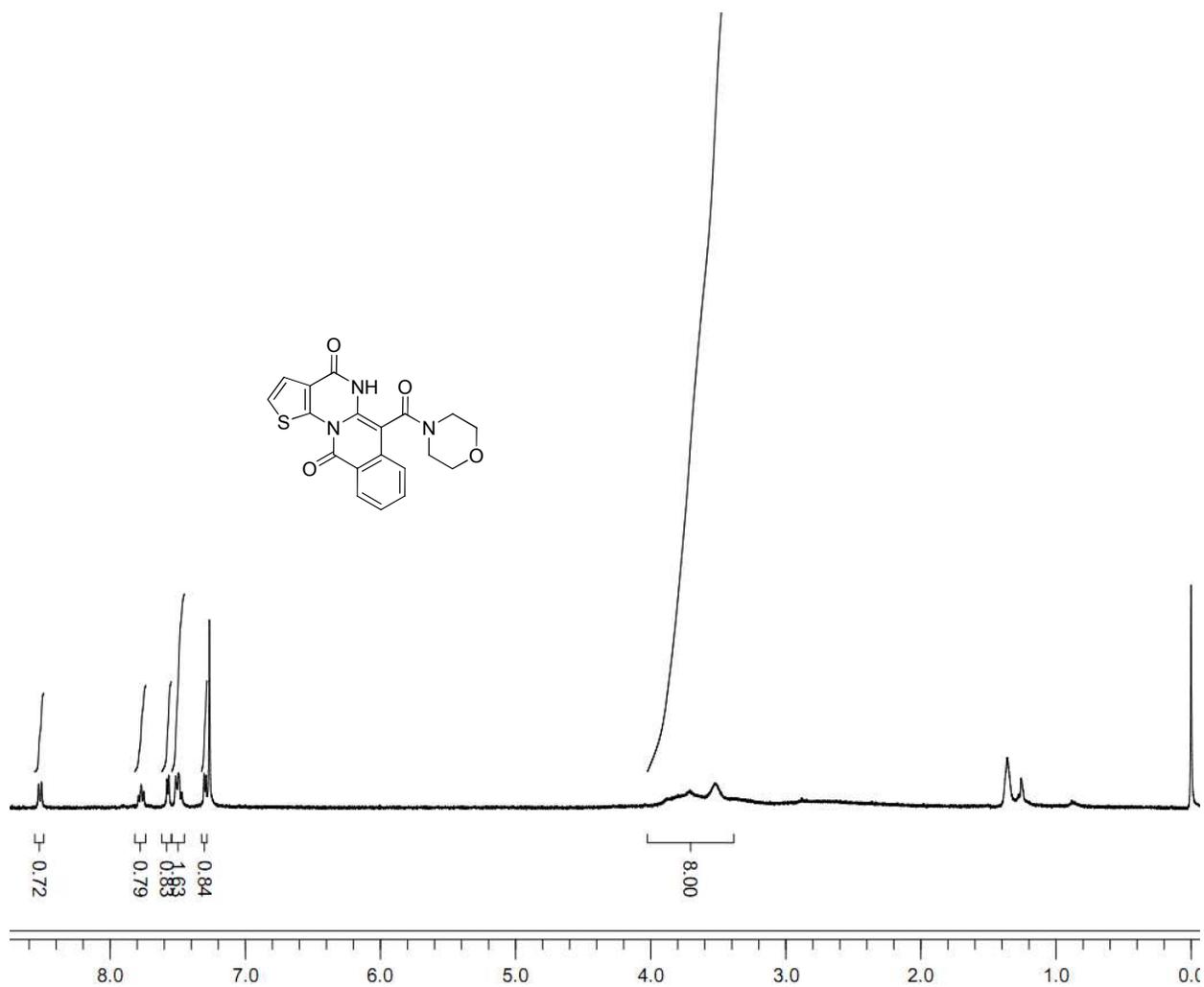


Fig. 103: ¹H NMR spectra of compound **5s** (CDCl₃, 400 MHz)

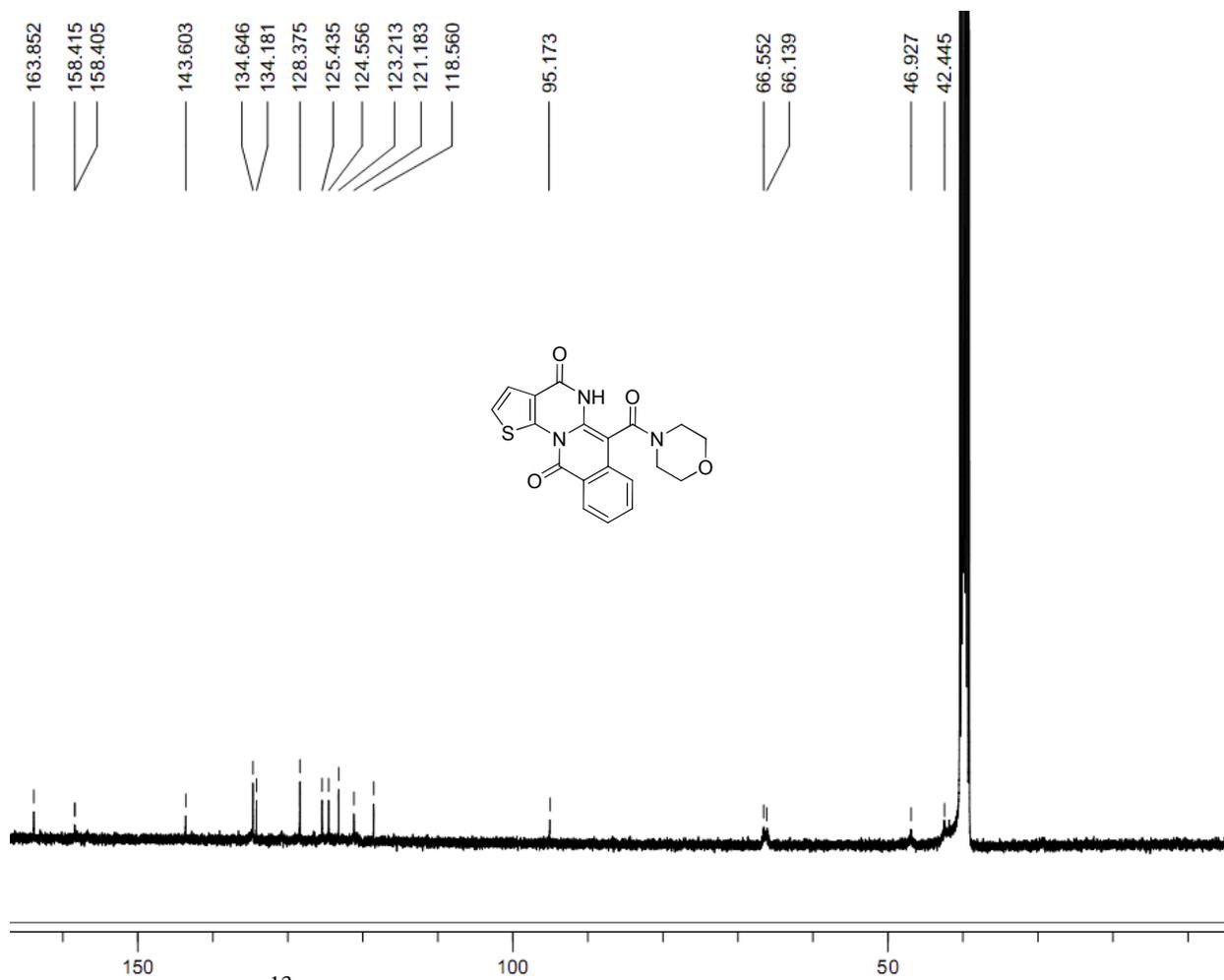


Fig. 104: ^{13}C NMR spectra of compound **5s** ($\text{DMSO-}d_6$, 100 MHz)

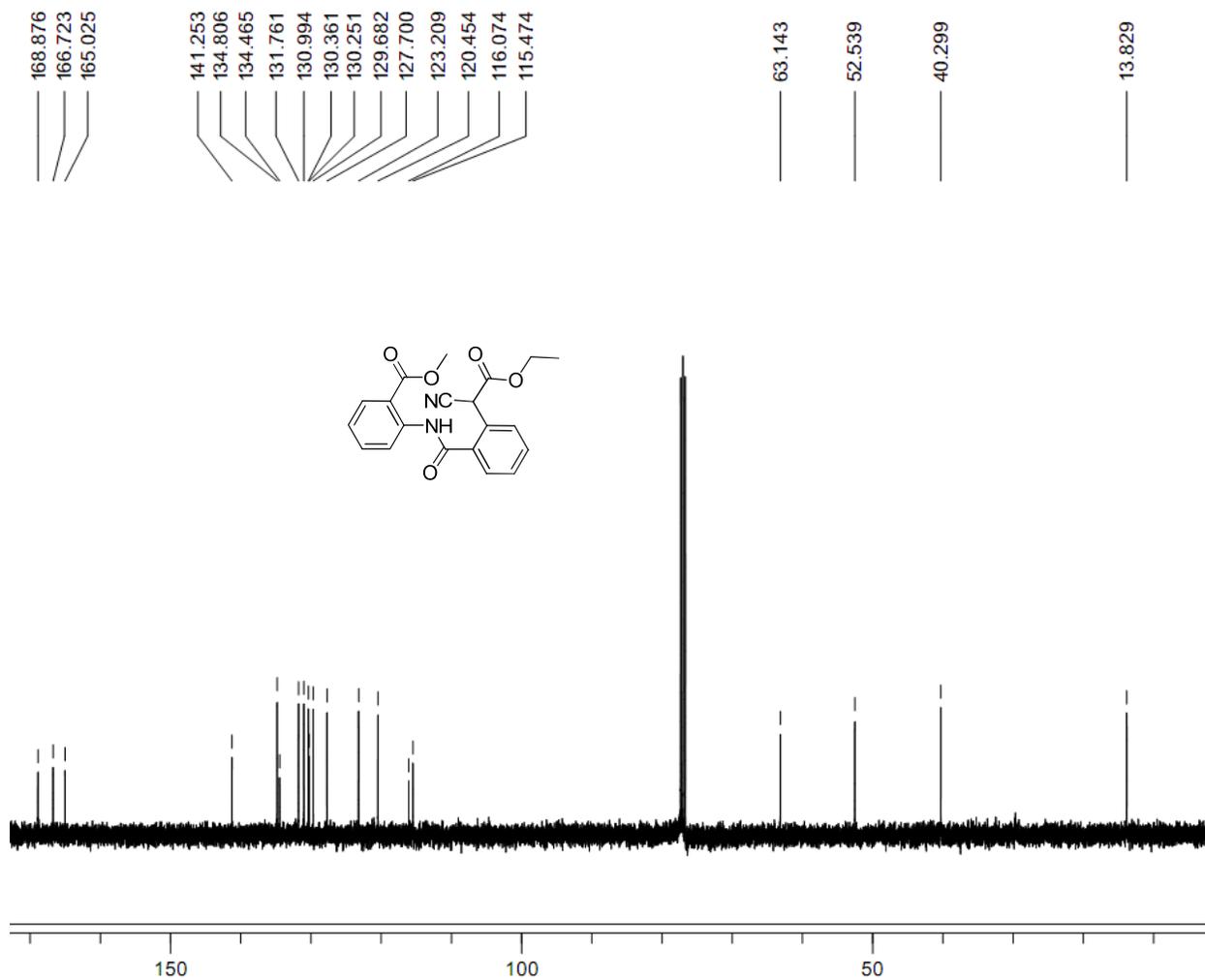


Fig. 106: ^{13}C NMR spectra of compound **6** (CDCl_3 , 100 MHz)