

Synthesis and photophysical properties of 5-(3''-alkyl/aryl-amino-1''-azaindolizin-2''-yl)-2'-deoxyuridines

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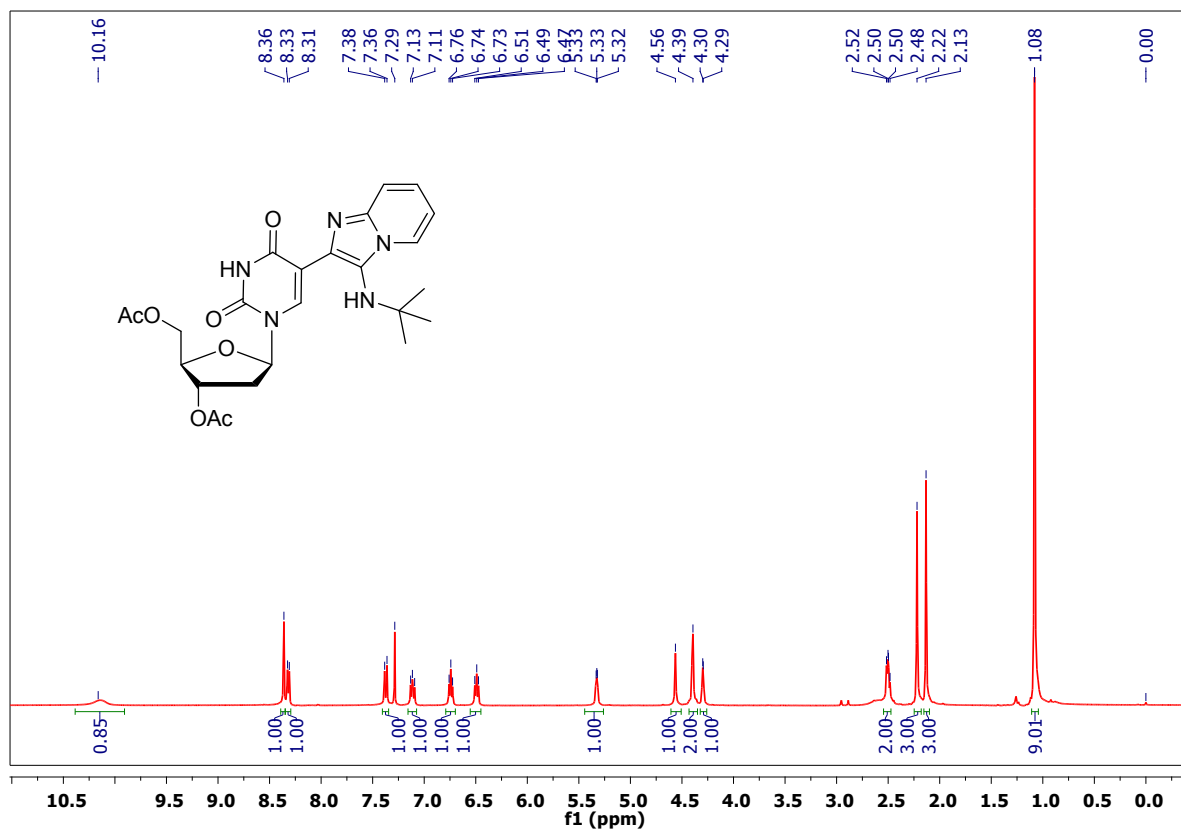


Figure 1: ¹H NMR spectrum of compound 11a (400 MHz, CDCl₃)

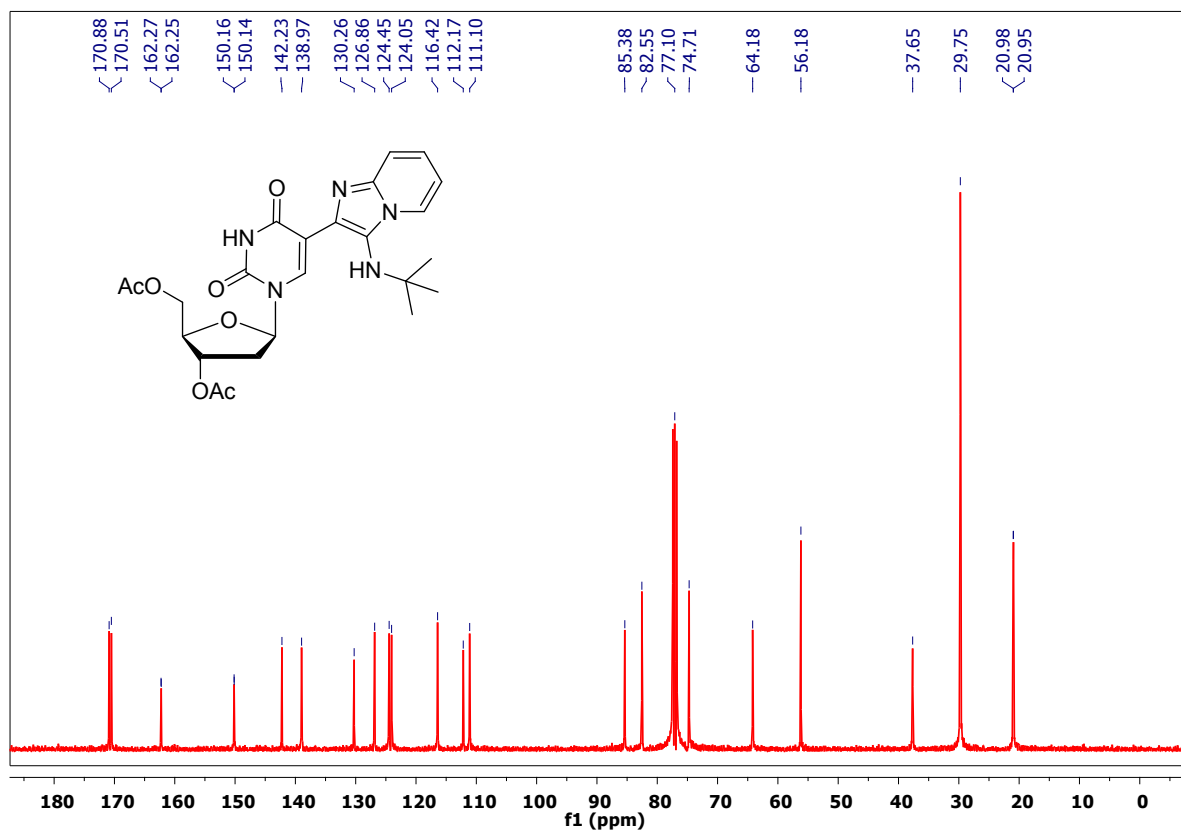


Figure 2: ^{13}C NMR spectrum of compound **11a** (100 MHz, CDCl_3)

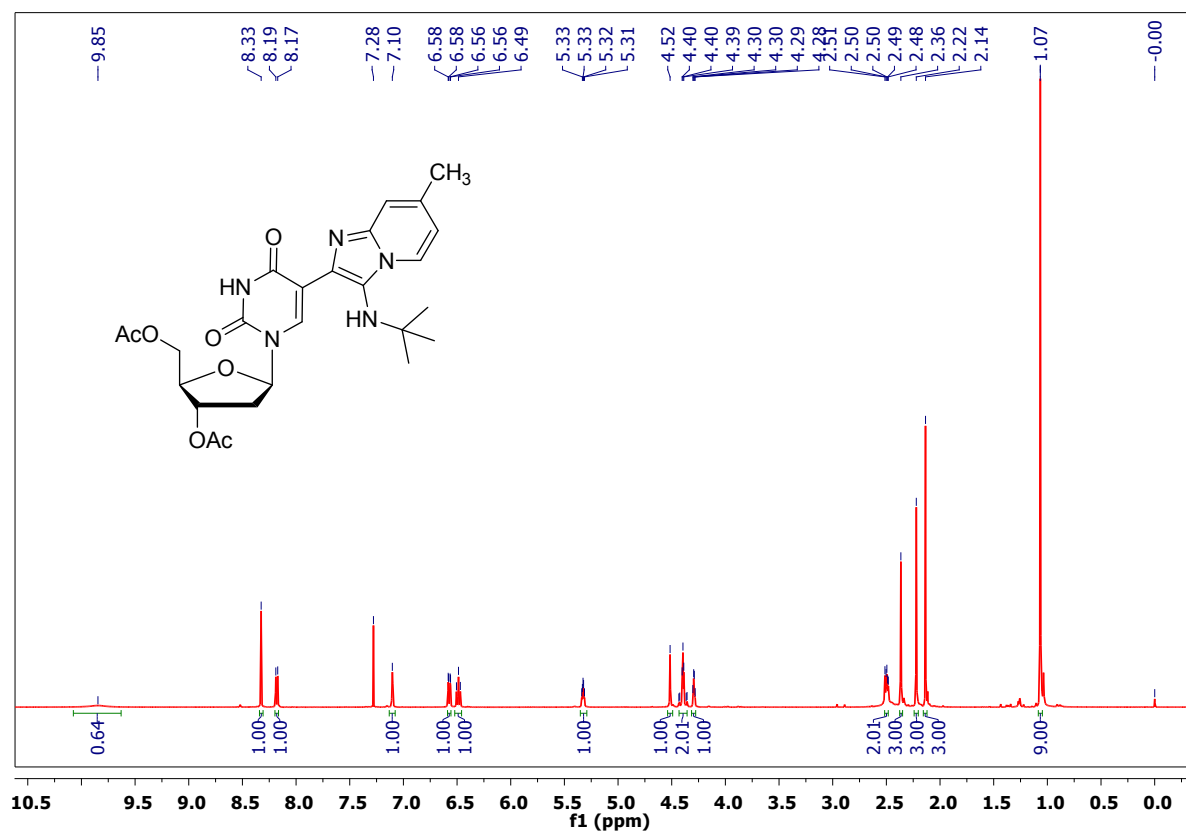


Figure 3: ^1H NMR spectrum of compound **11b** (400 MHz, CDCl_3)

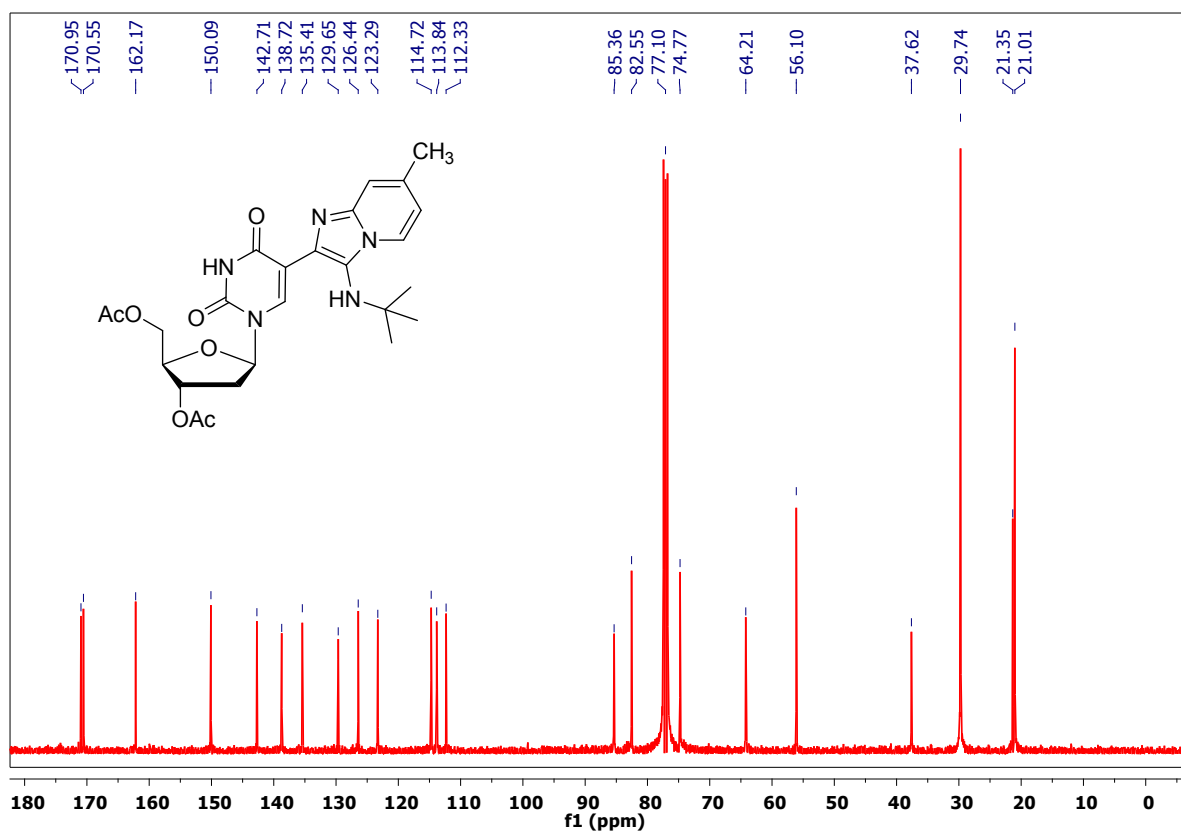


Figure 4: ¹³C NMR spectrum of compound 11b (100 MHz, CDCl₃)

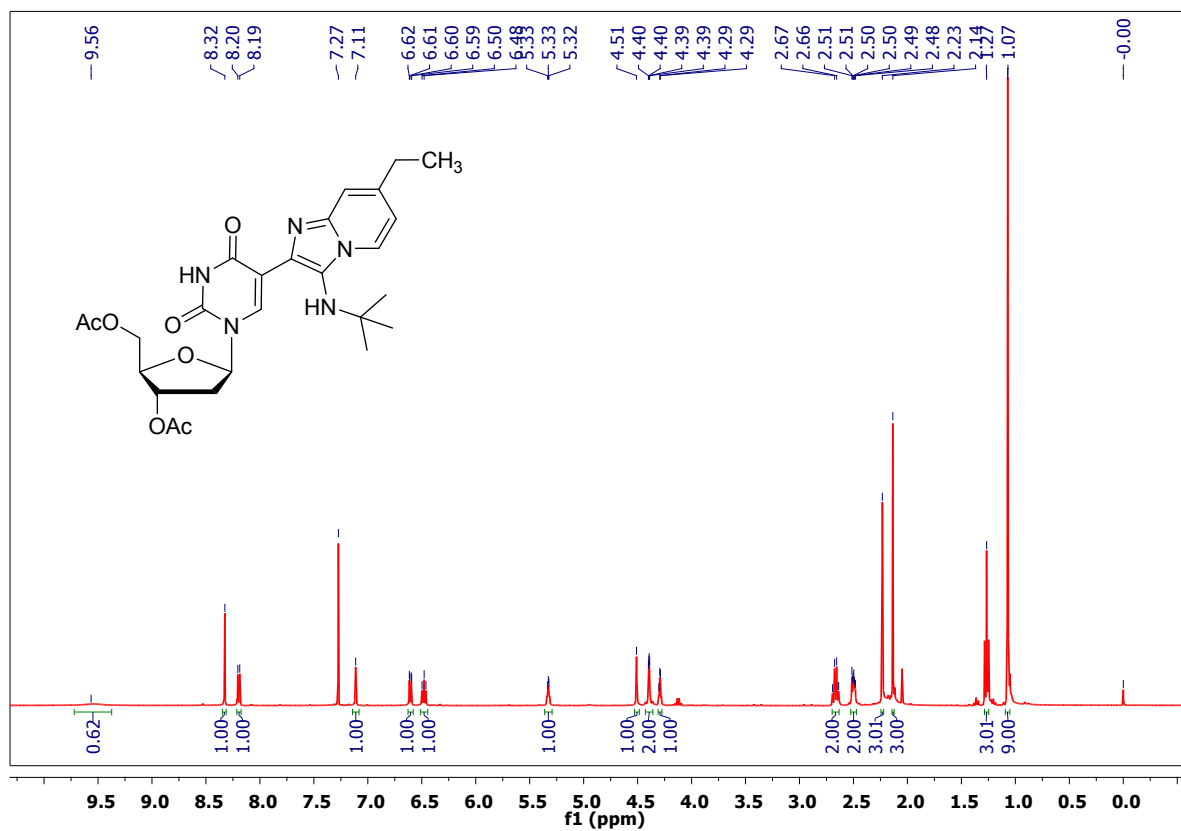


Figure 5: ^1H NMR spectrum of compound **11c** (400 MHz, CDCl_3)

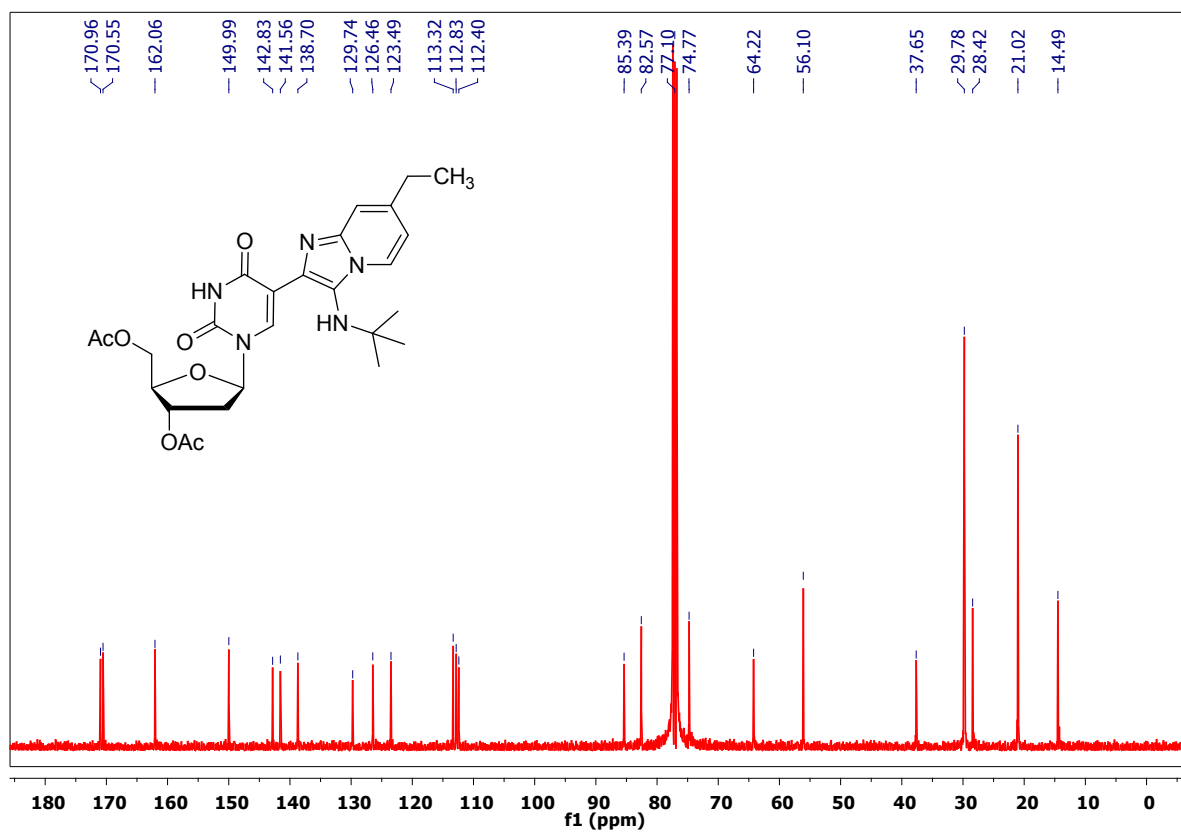


Figure 6: ^{13}C NMR spectrum of compound **11c** (100 MHz, CDCl_3)

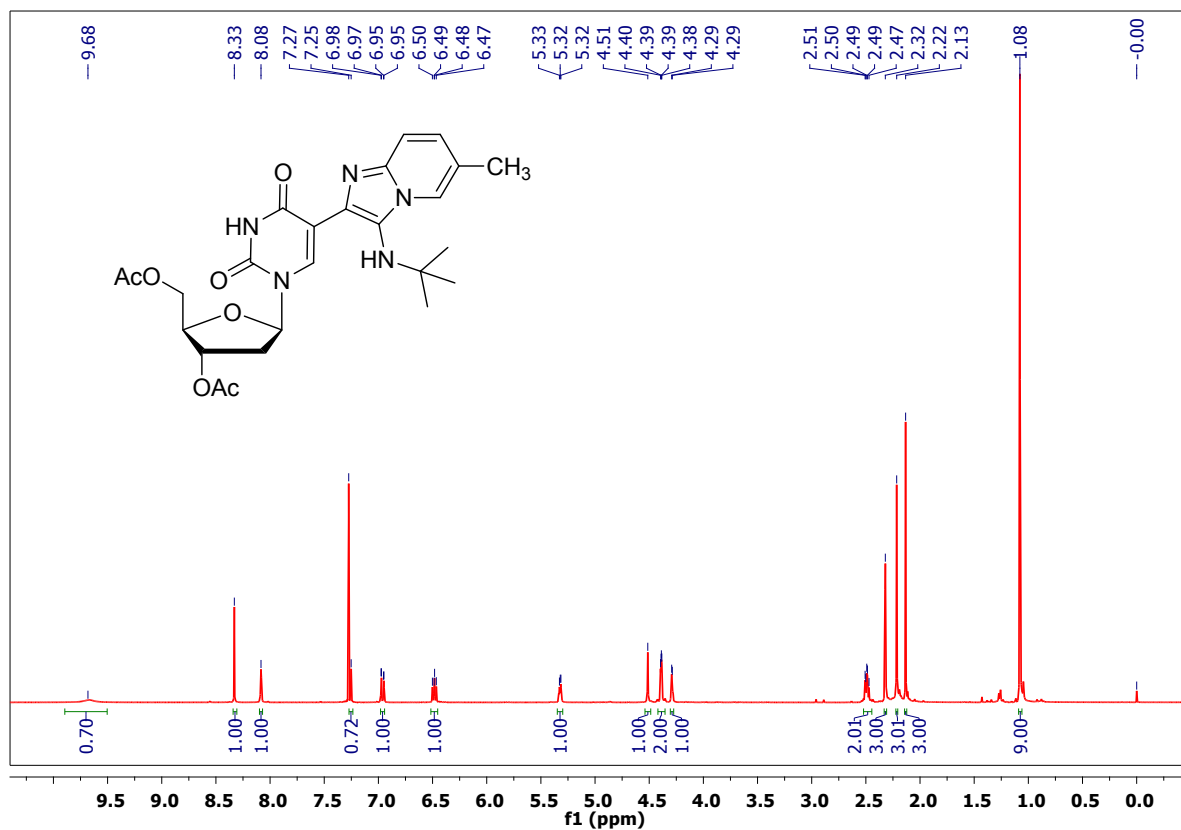


Figure 7: ¹H NMR spectrum of compound **11d** (400 MHz, CDCl₃)

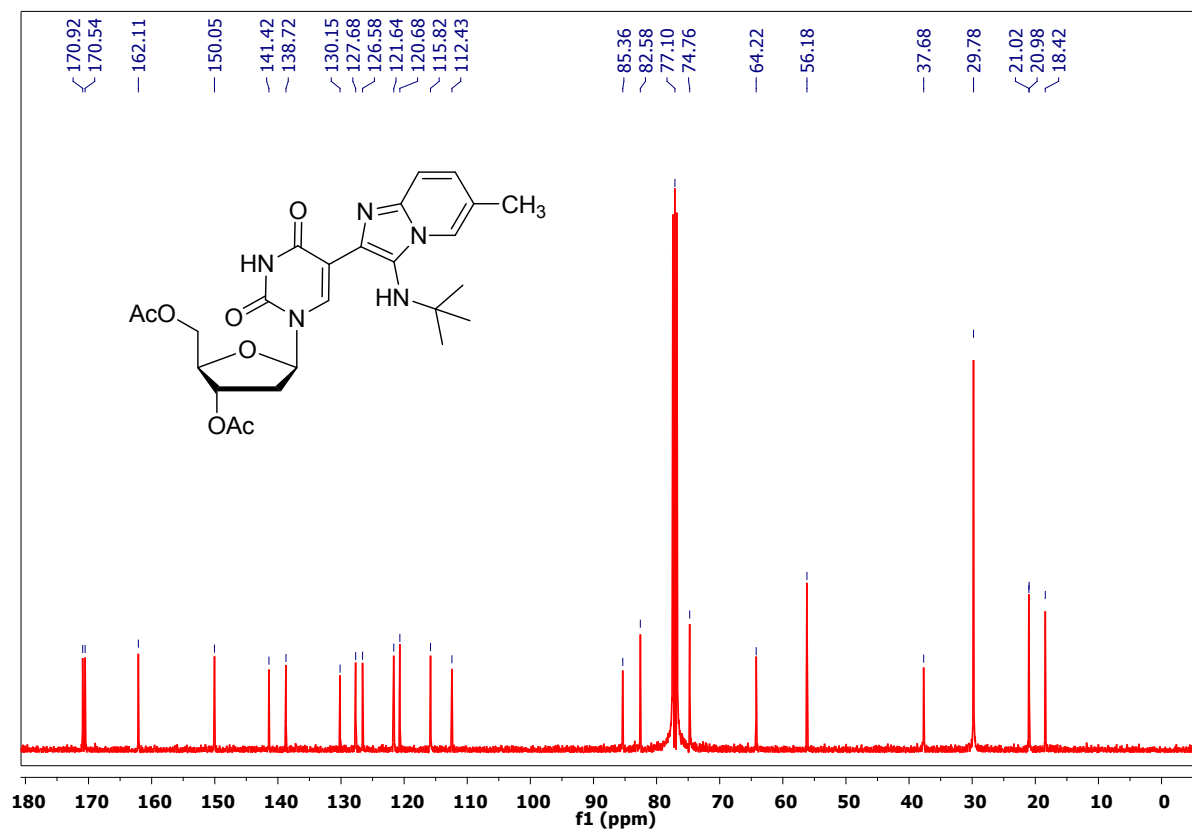


Figure 8: ^{13}C NMR spectrum of compound **11d** (100 MHz, CDCl_3)

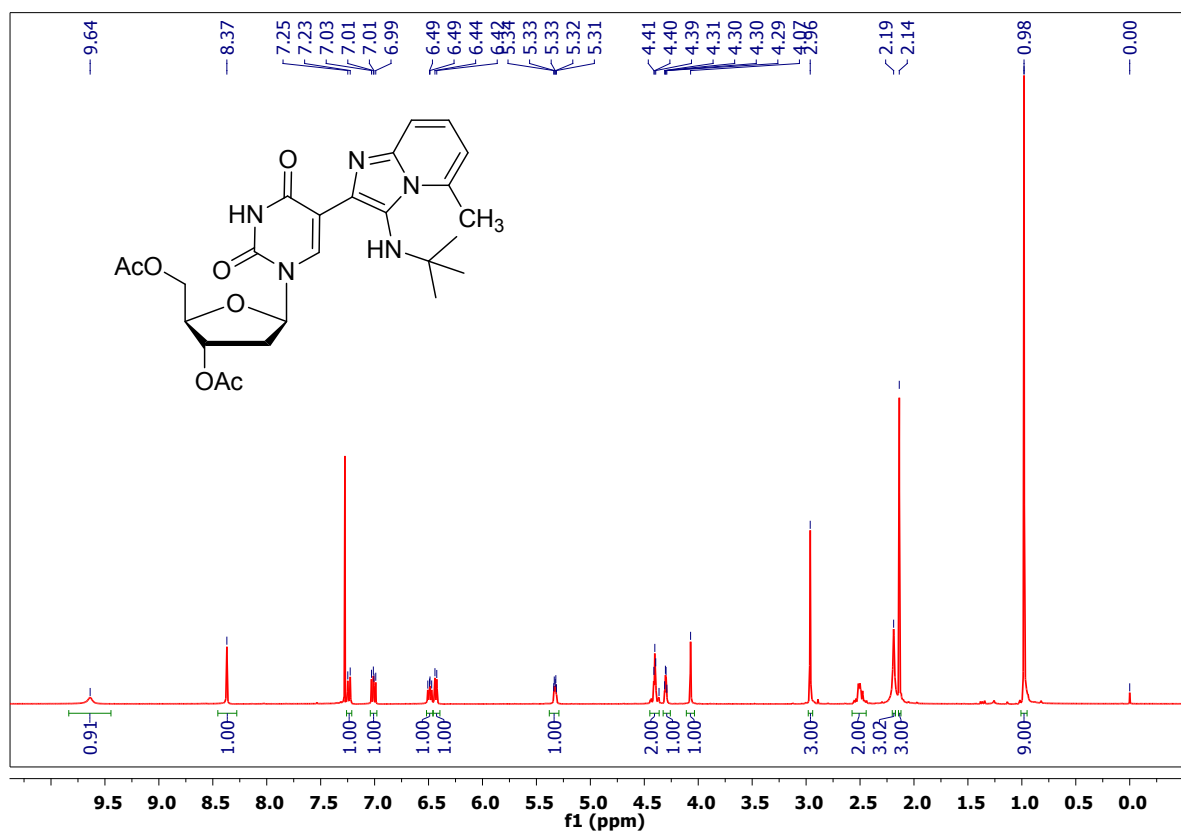


Figure 9: ^1H NMR spectrum of compound **11e** (400 MHz, CDCl_3)

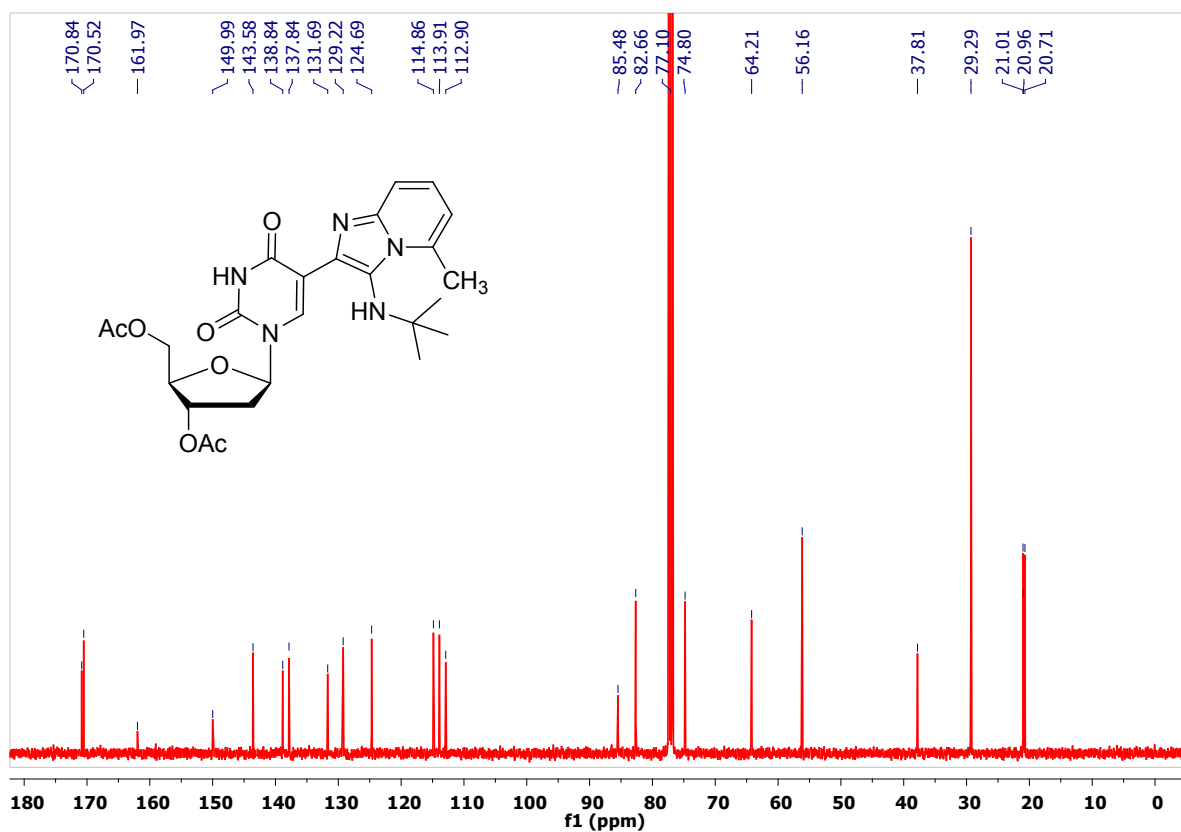


Figure 10: ^{13}C NMR spectrum of compound 11e (100 MHz, CDCl_3)

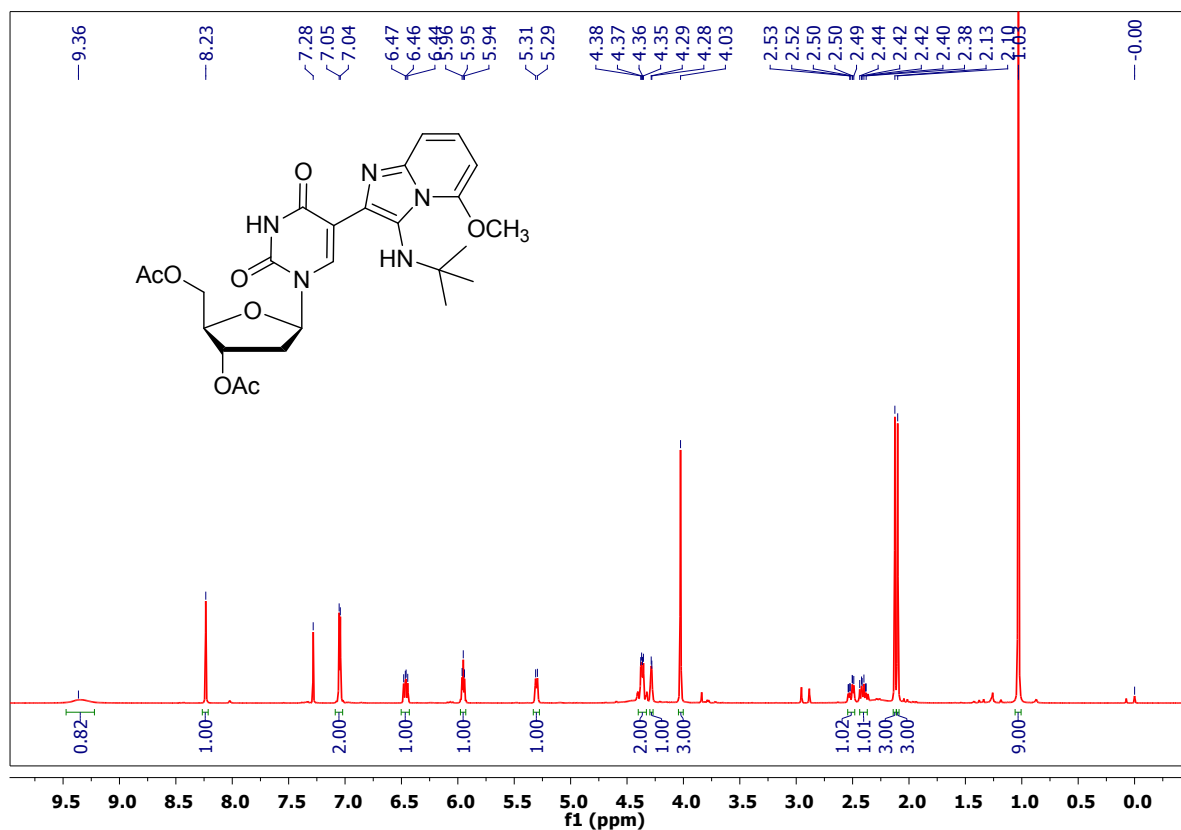


Figure 11: ^1H NMR spectrum of compound **11f** (400 MHz, CDCl_3)

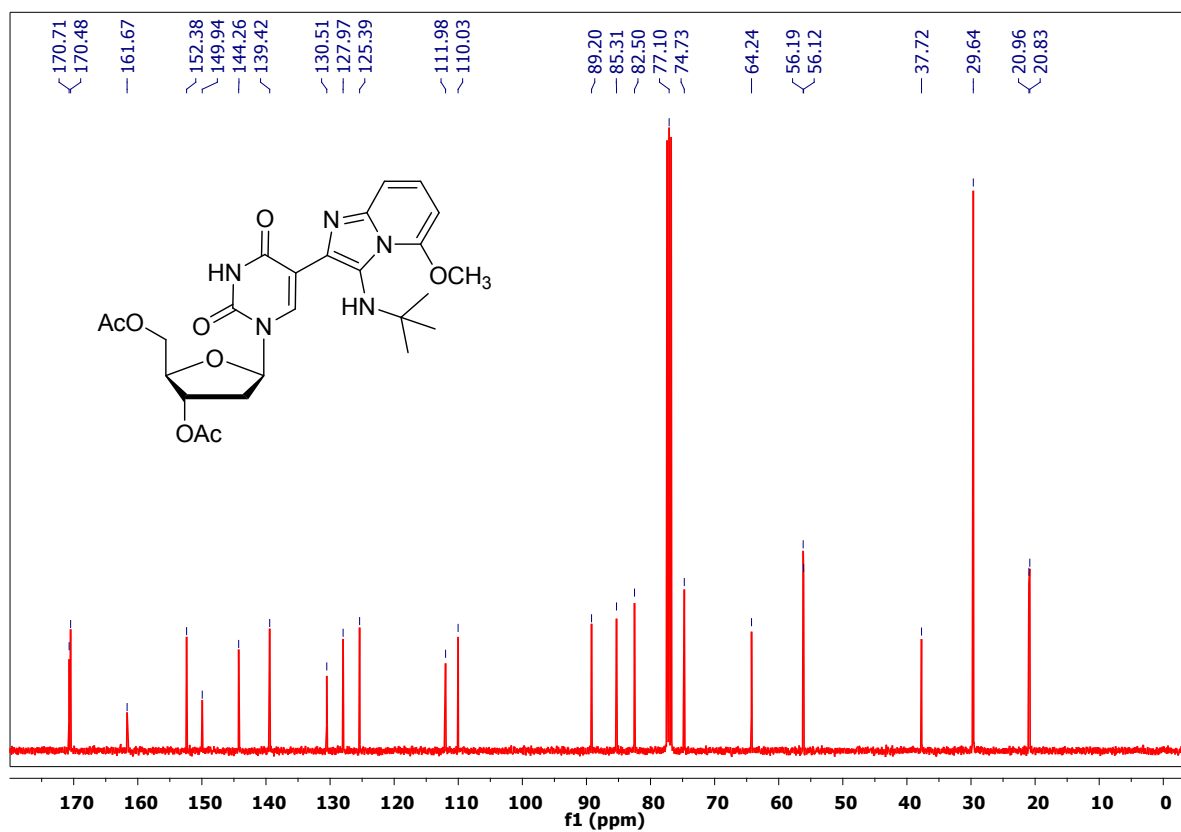


Figure 12: ^{13}C NMR spectrum of compound **11f** (100 MHz, CDCl_3)

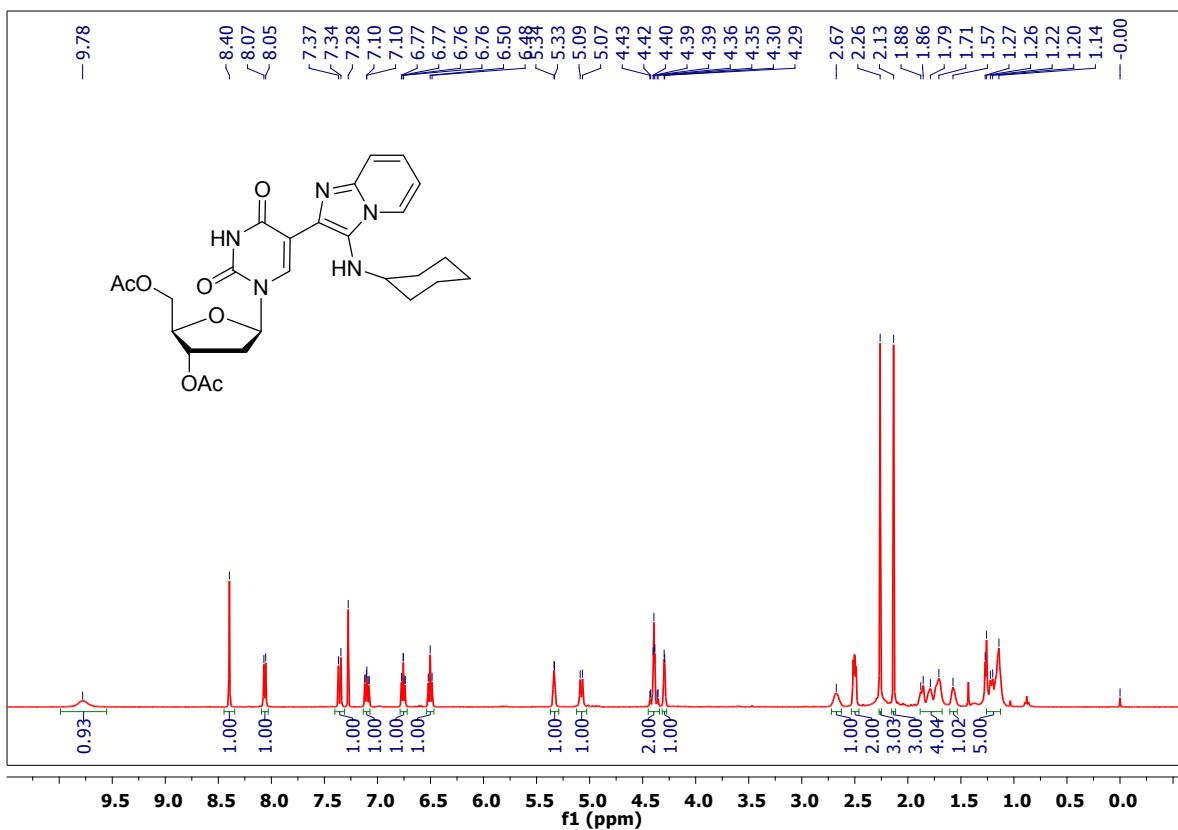


Figure 13: ¹H NMR spectrum of compound **11g** (400 MHz, CDCl₃)

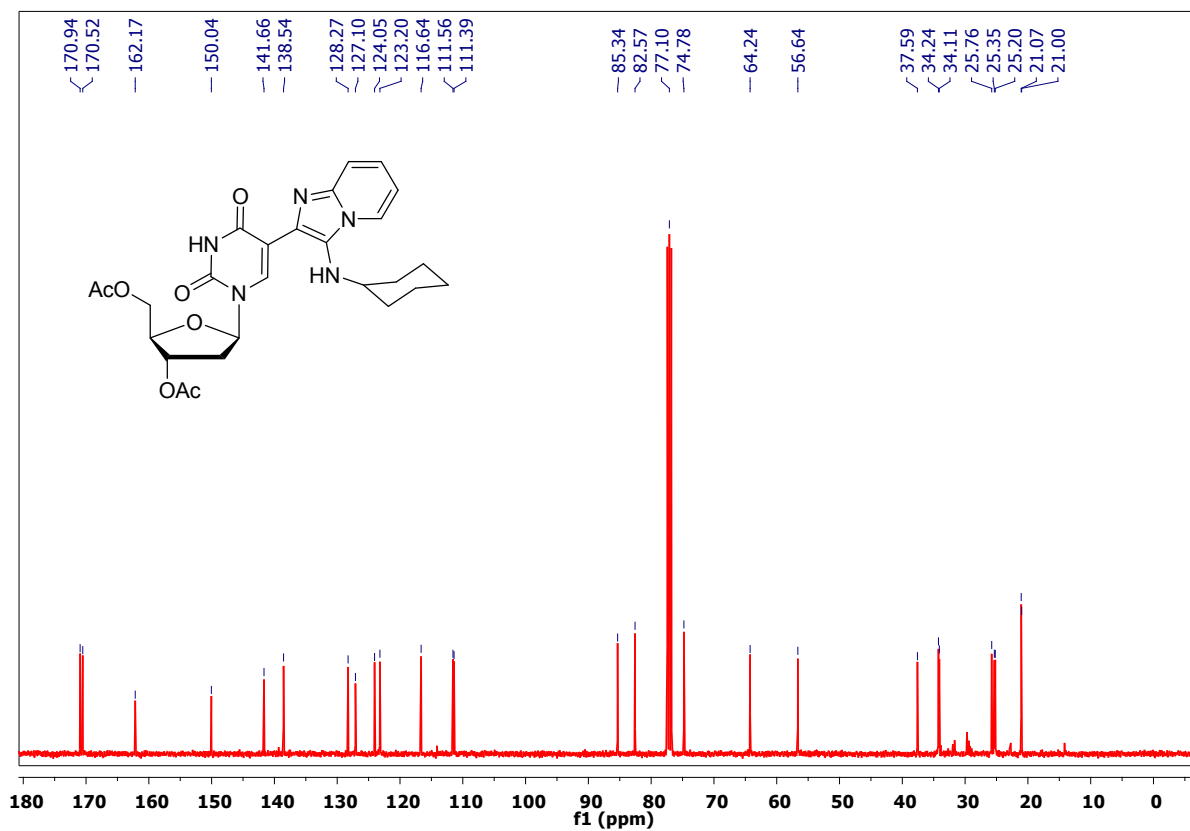


Figure 14: ^{13}C NMR spectrum of compound **11g** (100 MHz, CDCl_3)

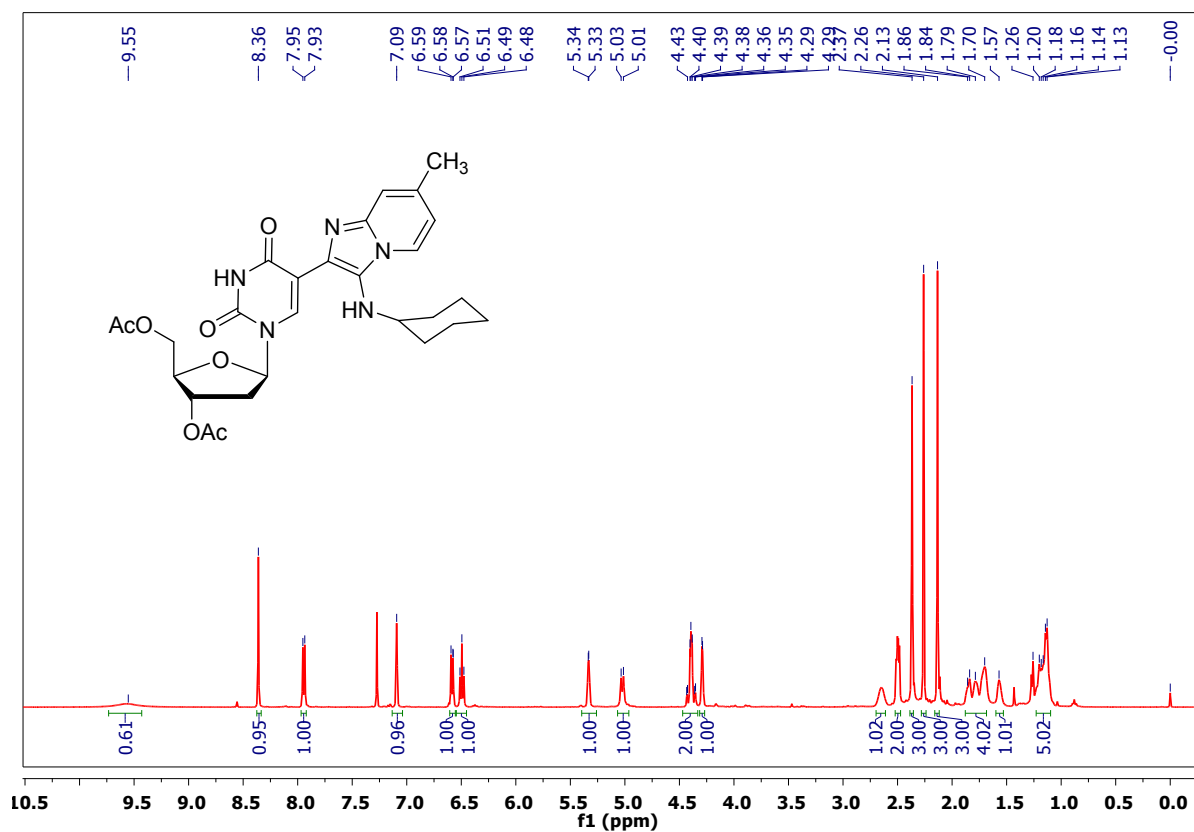


Figure 15: ^1H NMR spectrum of compound **11h** (400 MHz, CDCl_3)

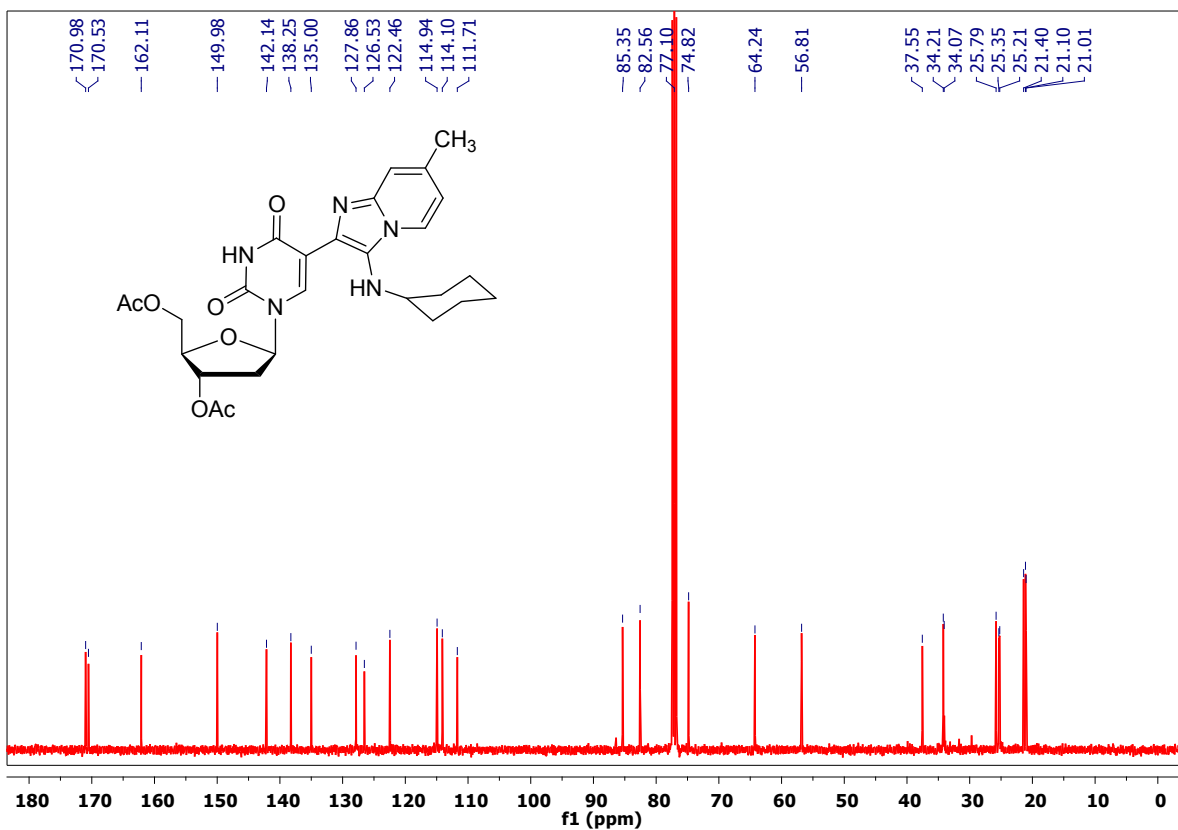


Figure 16: ^{13}C NMR spectrum of compound 11h (100 MHz, CDCl_3)

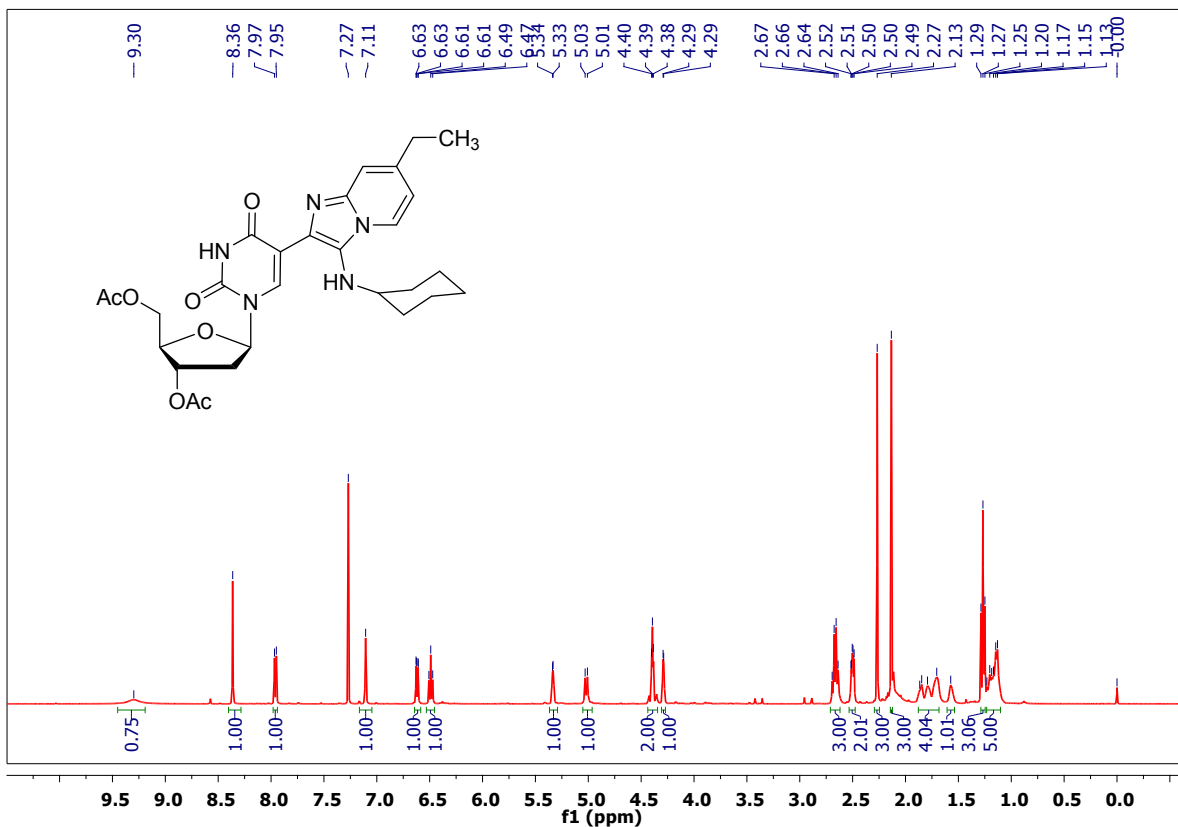


Figure 17: ^1H NMR spectrum of compound **11i** (400 MHz, CDCl_3)

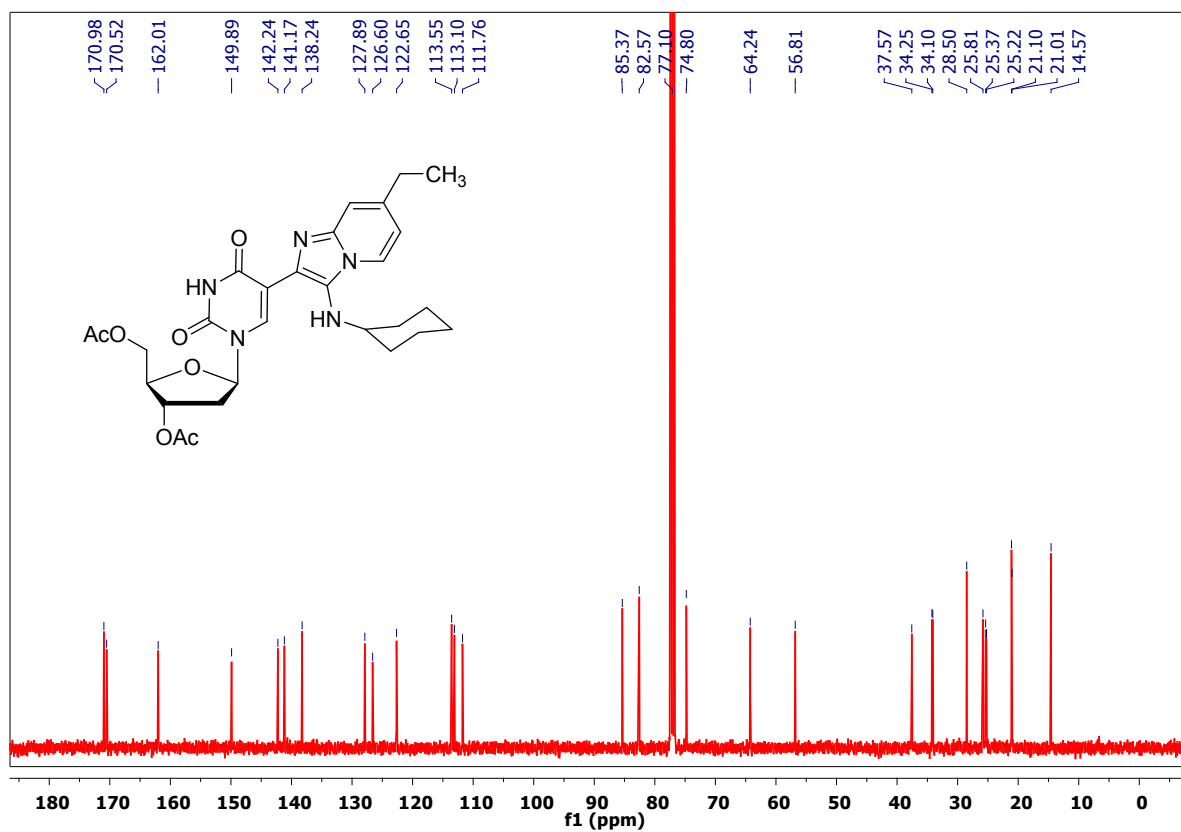


Figure 18: ^{13}C NMR spectrum of compound **11i** (100 MHz, CDCl_3)

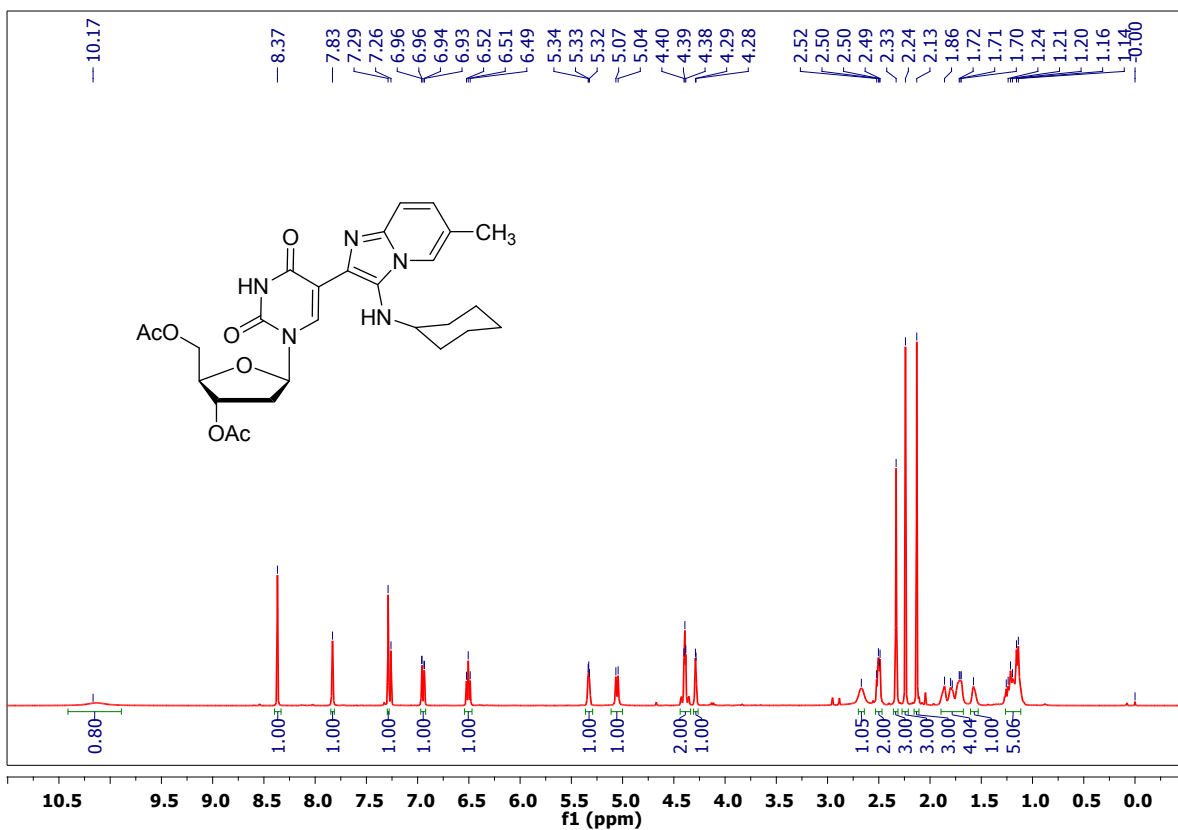


Figure 19: ¹H NMR spectrum of compound 11j (400 MHz, CDCl₃)

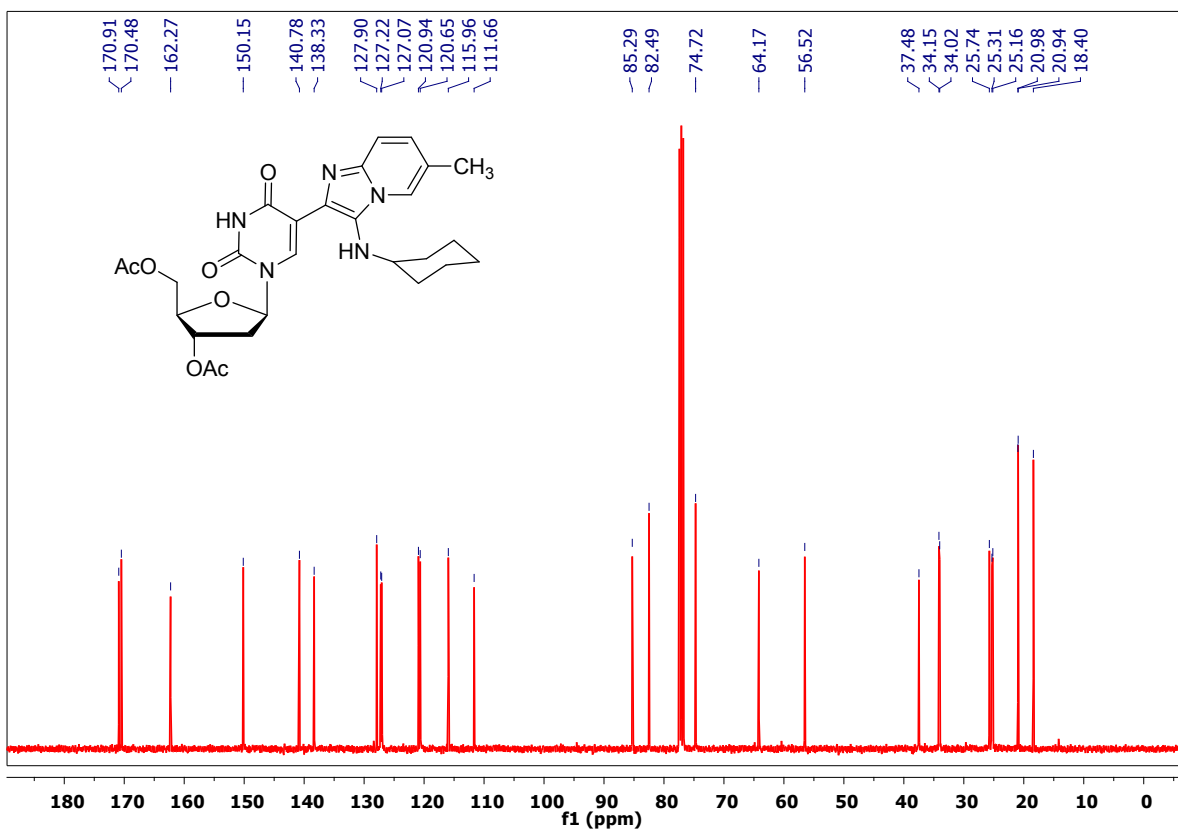


Figure 20: ^{13}C NMR spectrum of compound **11j** (100 MHz, CDCl_3)

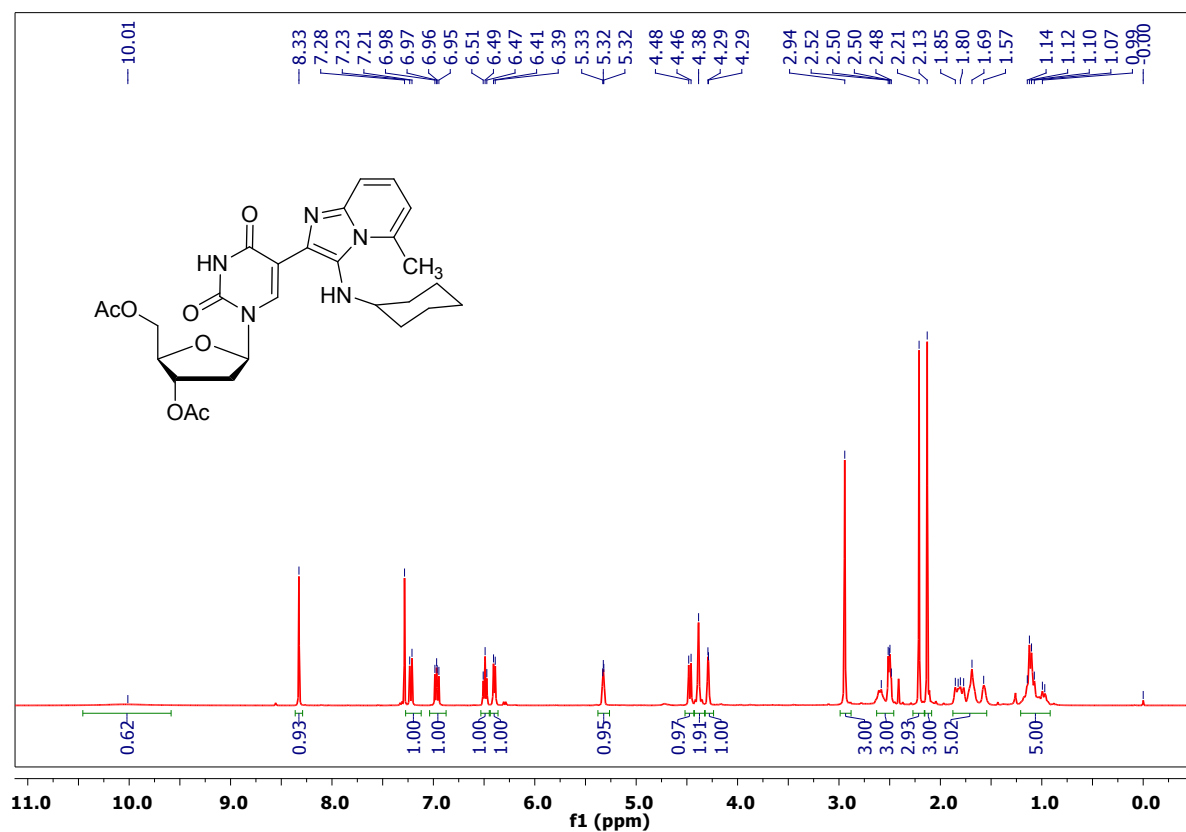


Figure 21: ^1H NMR spectrum of compound **11k** (400 MHz, CDCl_3)

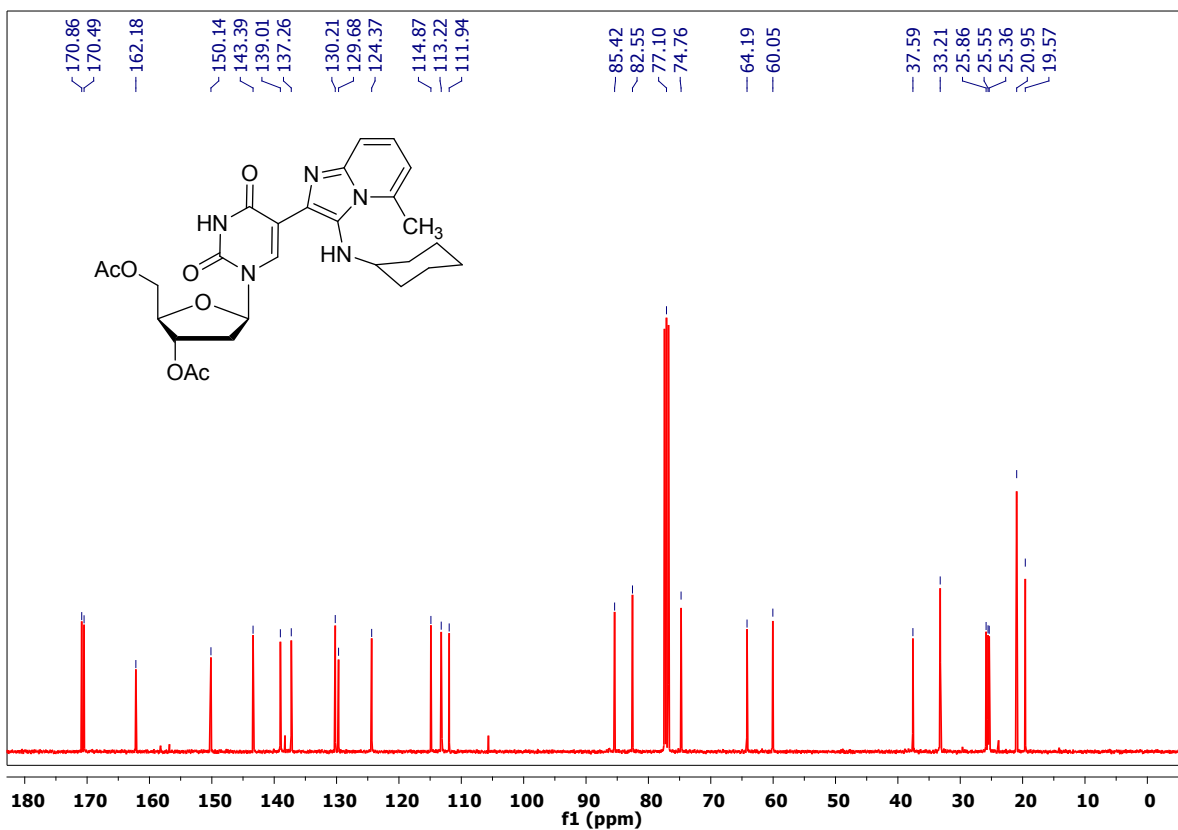


Figure 22: ¹³C NMR spectrum of compound 11k (100 MHz, CDCl₃)

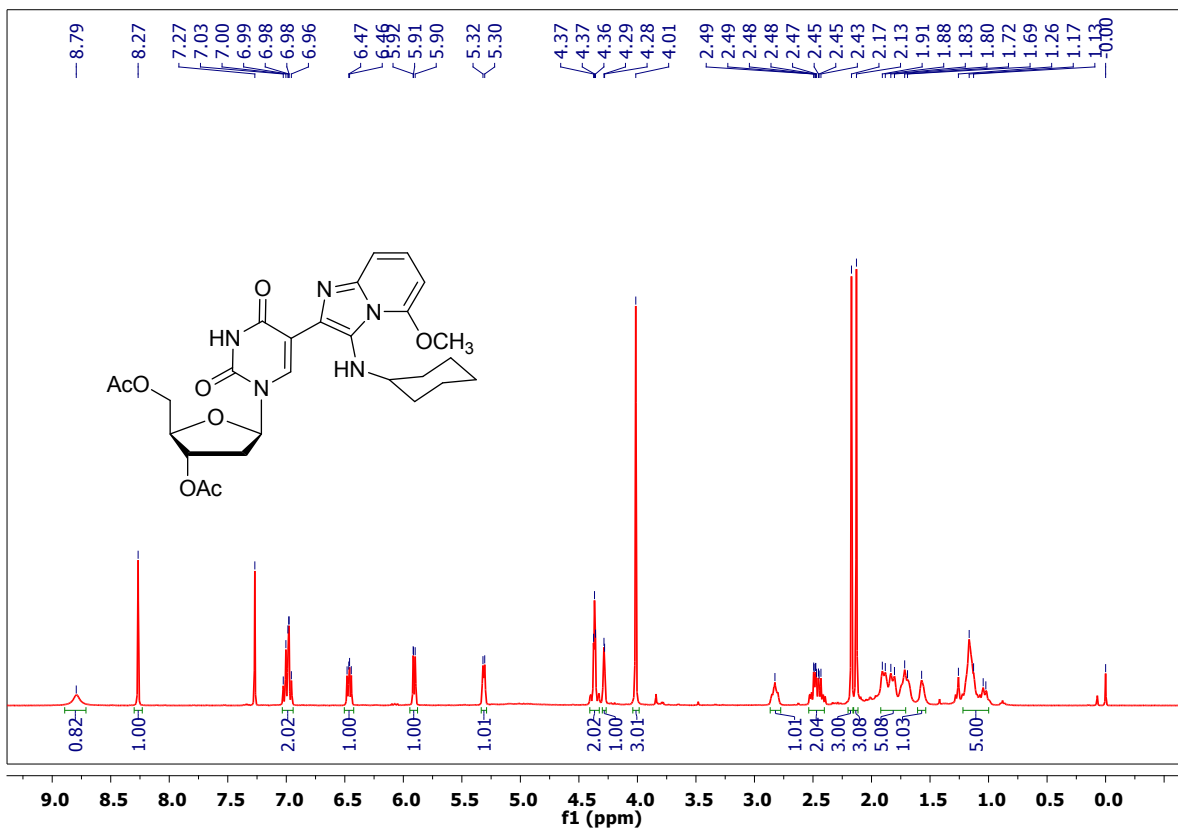


Figure 23: ^1H NMR spectrum of compound **111** (400 MHz, CDCl_3)

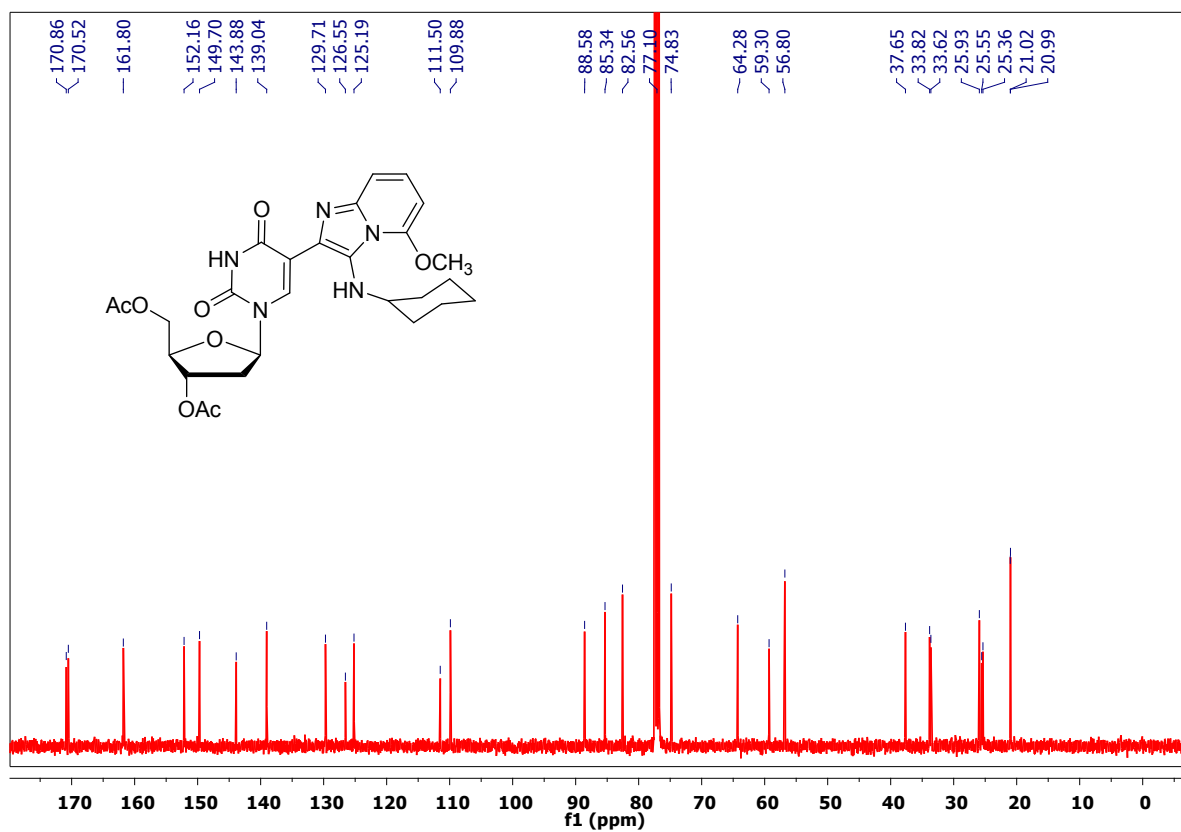


Figure 24: ^{13}C NMR spectrum of compound **111** (100 MHz, CDCl_3)

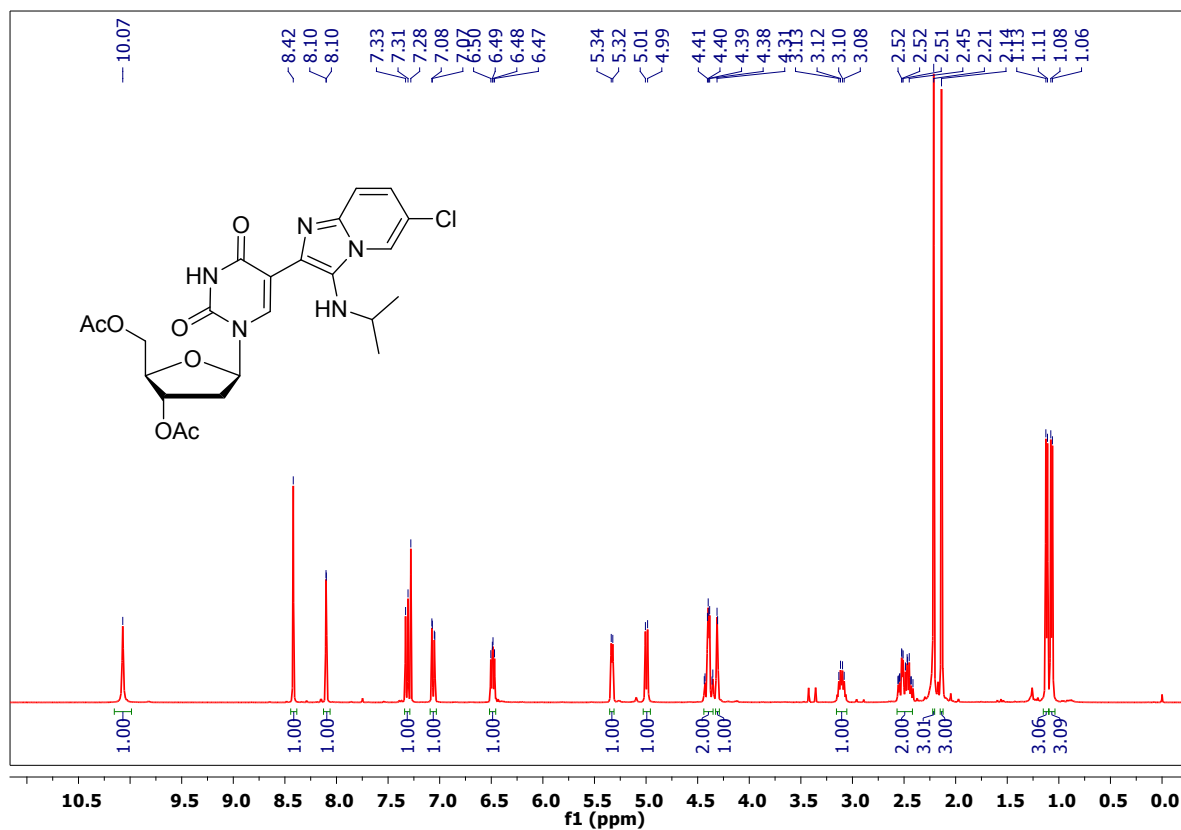


Figure 25: ¹H NMR spectrum of compound **11m** (400 MHz, CDCl₃)

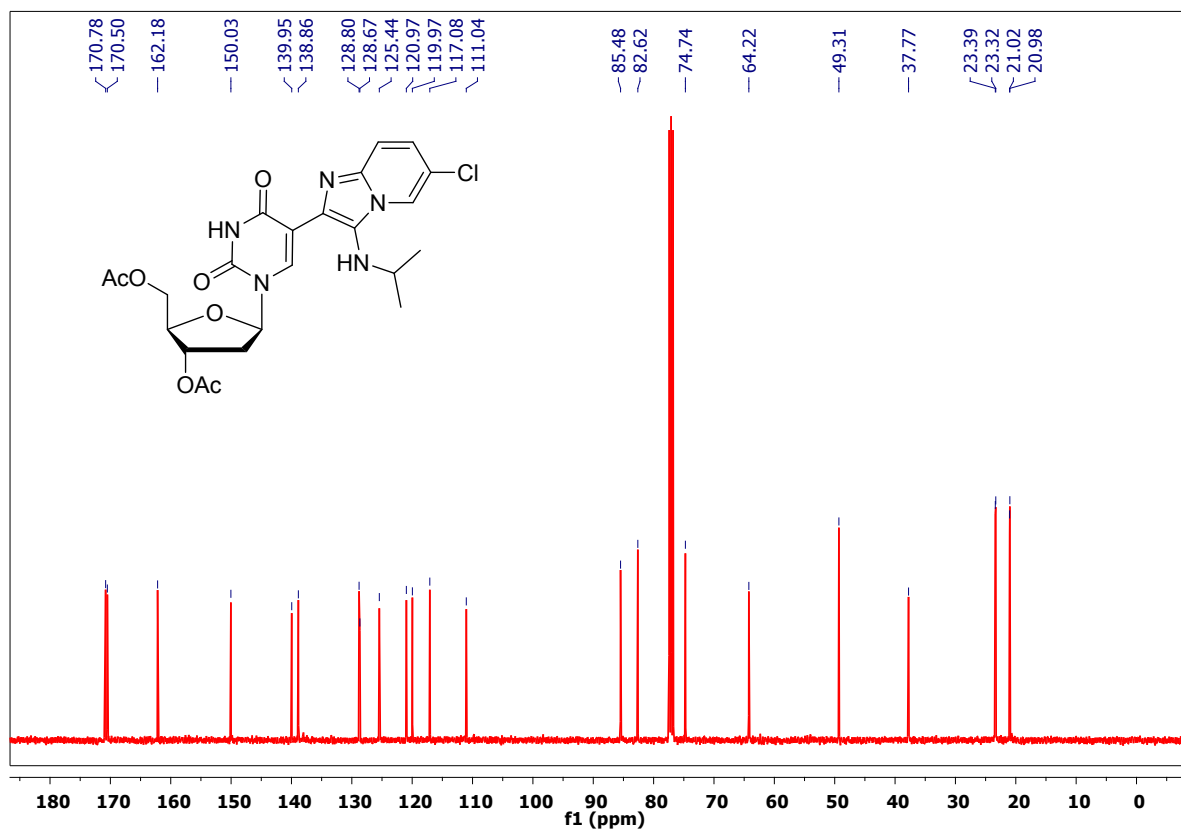


Figure 26: ^{13}C NMR spectrum of compound **11m** (100 MHz, CDCl_3)

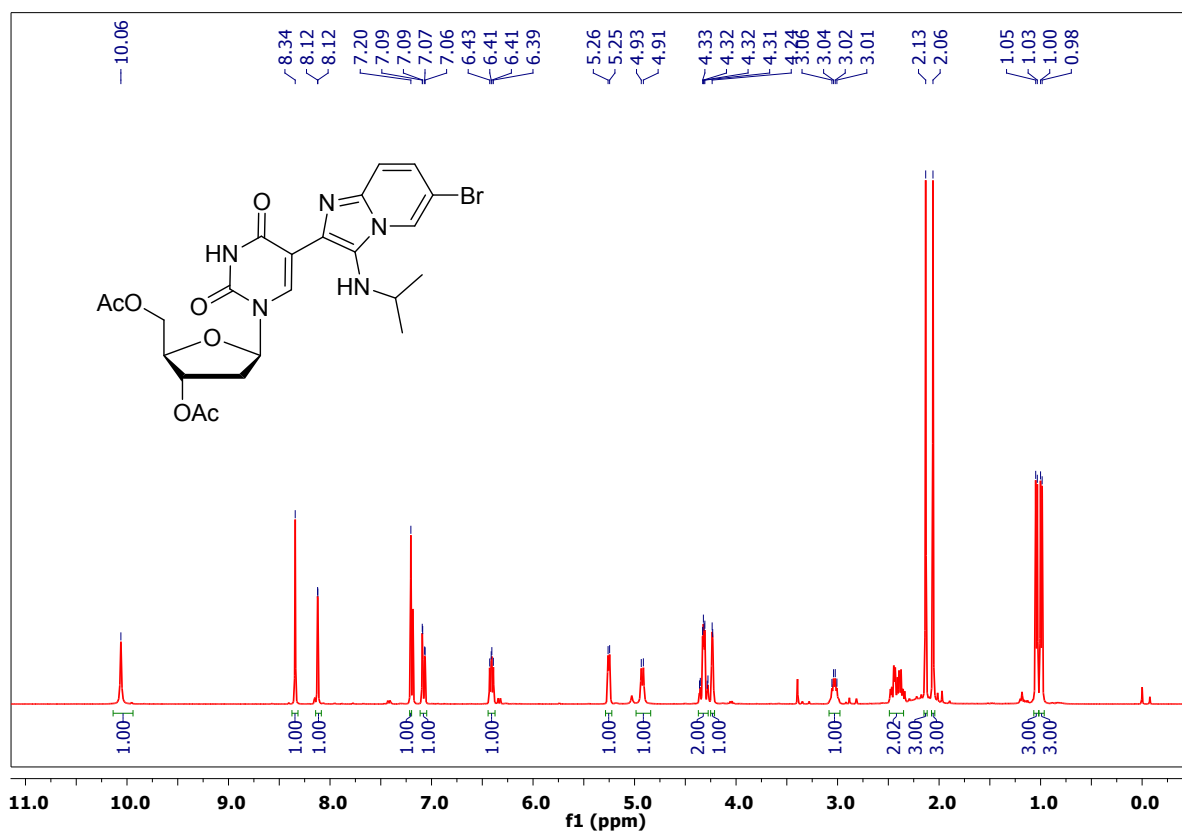


Figure 27: ^1H NMR spectrum of compound **11n** (400 MHz, CDCl_3)

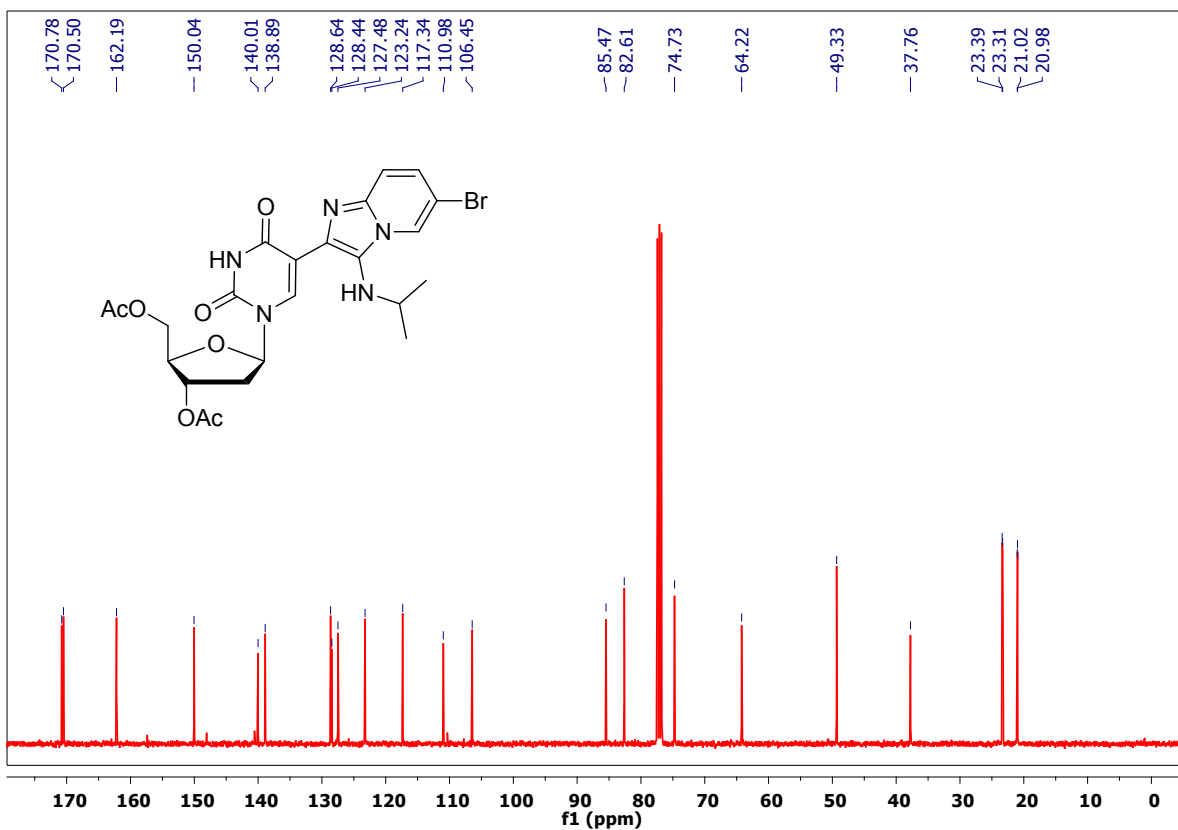


Figure 28: ¹³C NMR spectrum of compound 11n (100 MHz, CDCl₃)

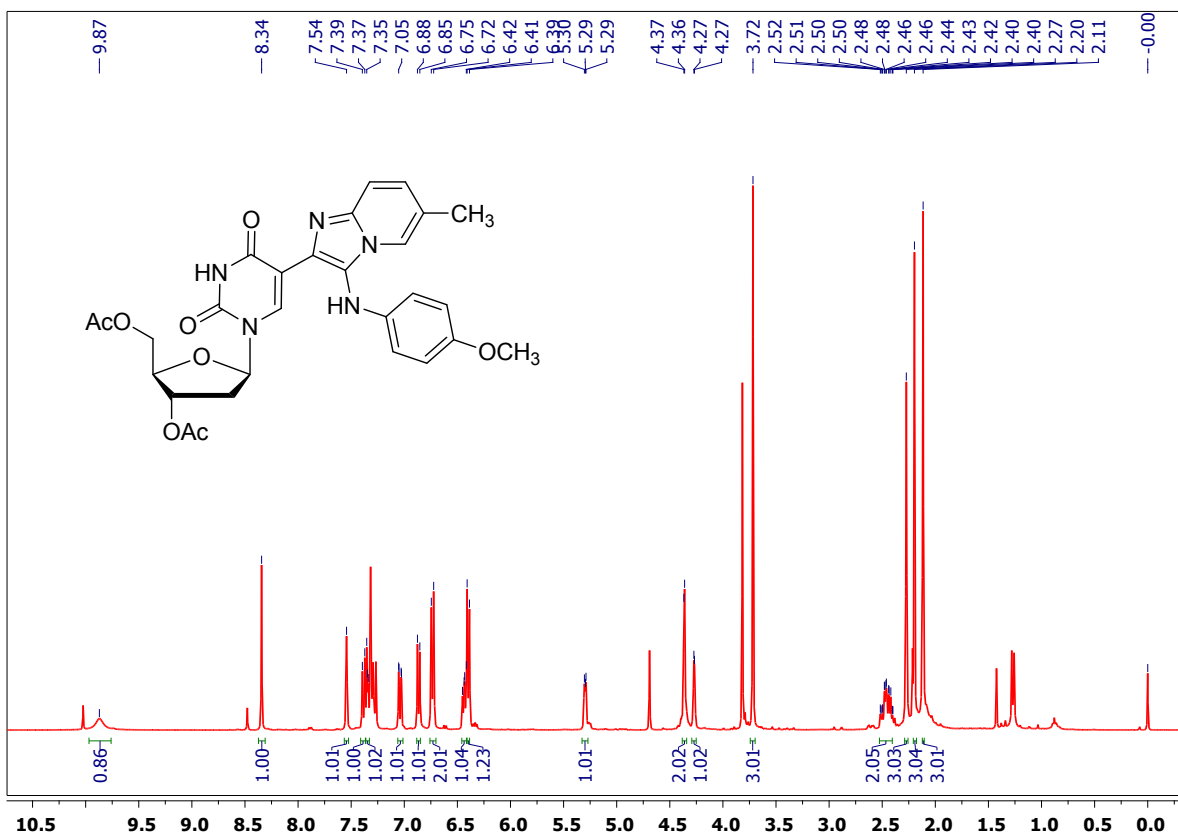


Figure 30: ^{13}C NMR spectrum of compound **5a** (100 MHz, $\text{DMSO-}d_6$)

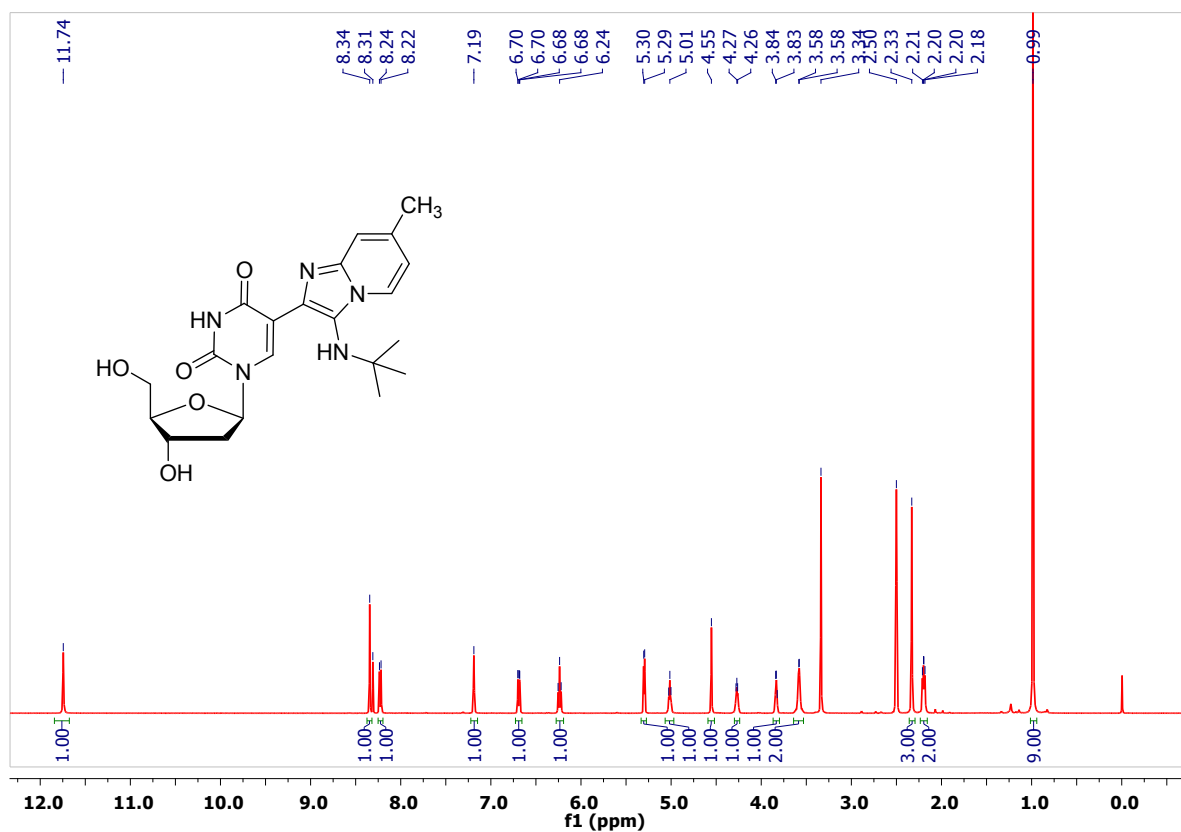


Figure 31: ^1H NMR spectrum of compound **5b** (400 MHz, $\text{DMSO-}d_6$)

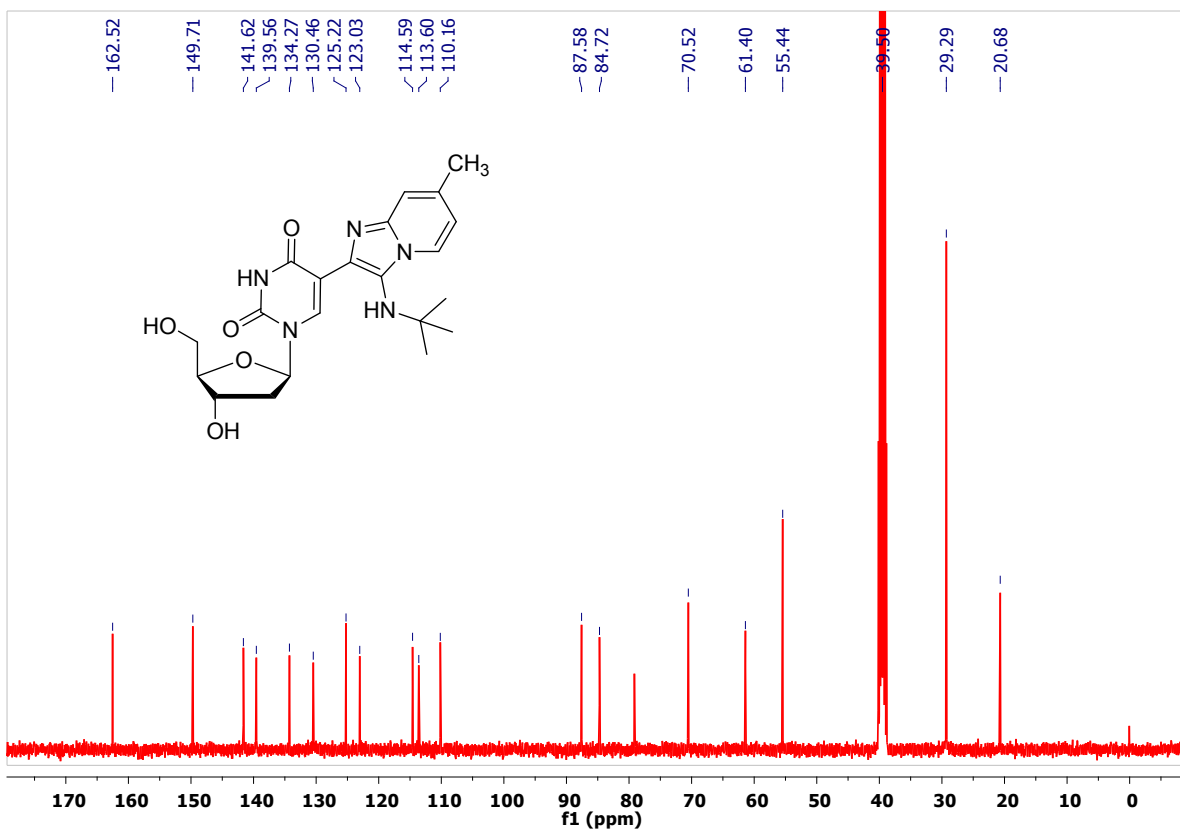


Figure 32: ¹³C NMR spectrum of compound 5b (100 MHz, DMSO-d₆)

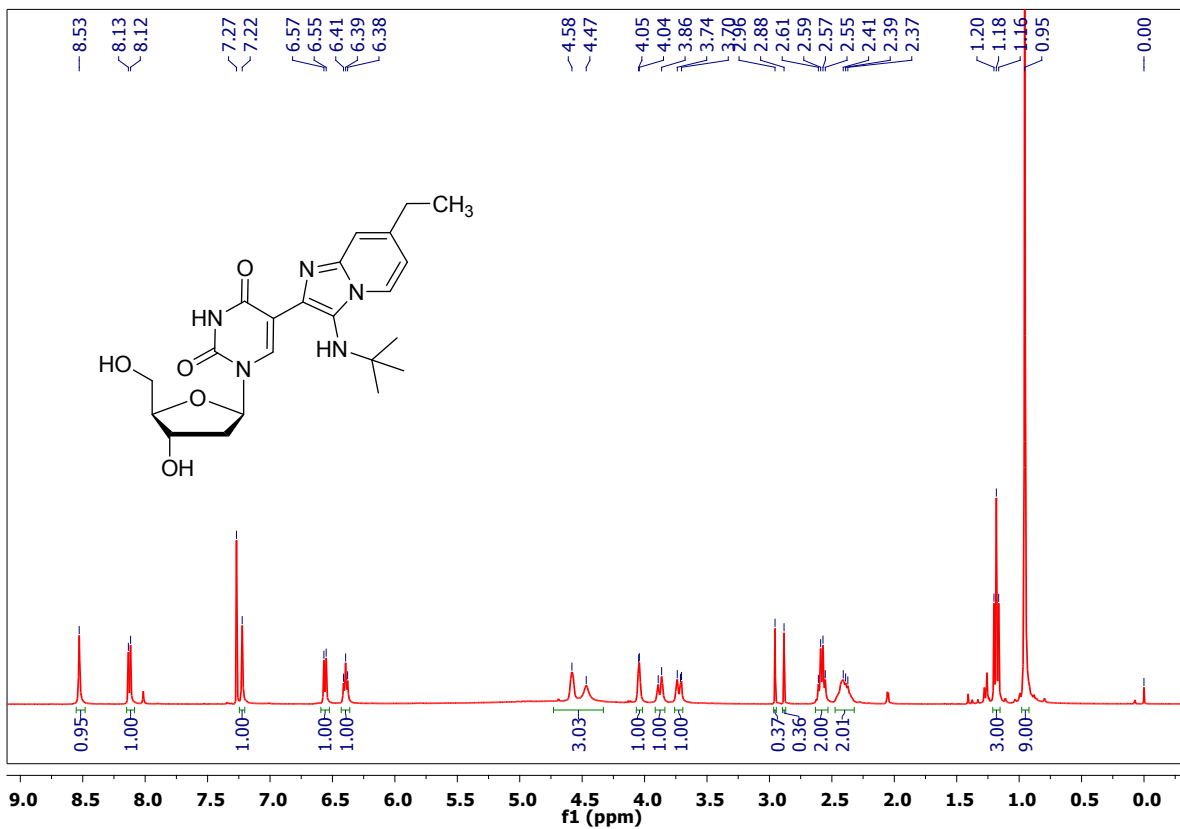


Figure 33: ^1H NMR spectrum of compound **5c** (400 MHz, CDCl_3)

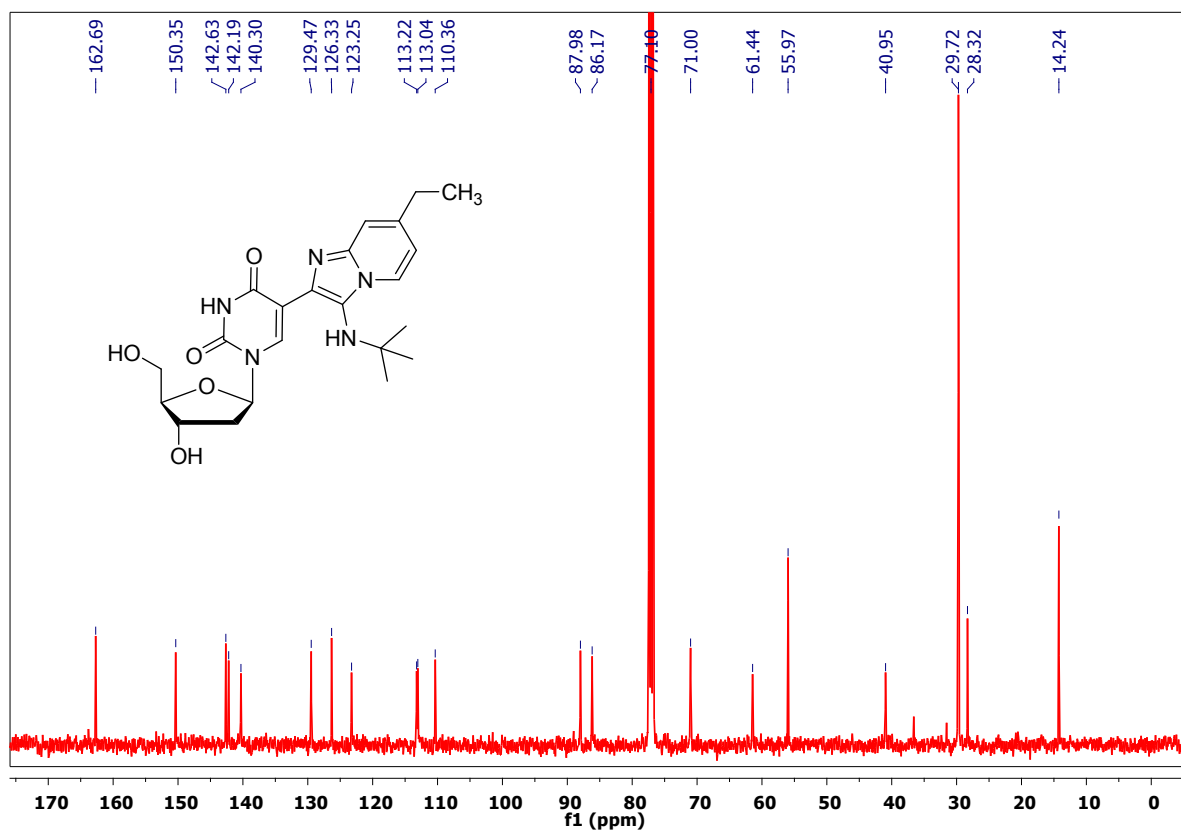


Figure 34: ^{13}C NMR spectrum of compound **5c** (100 MHz, CDCl_3)

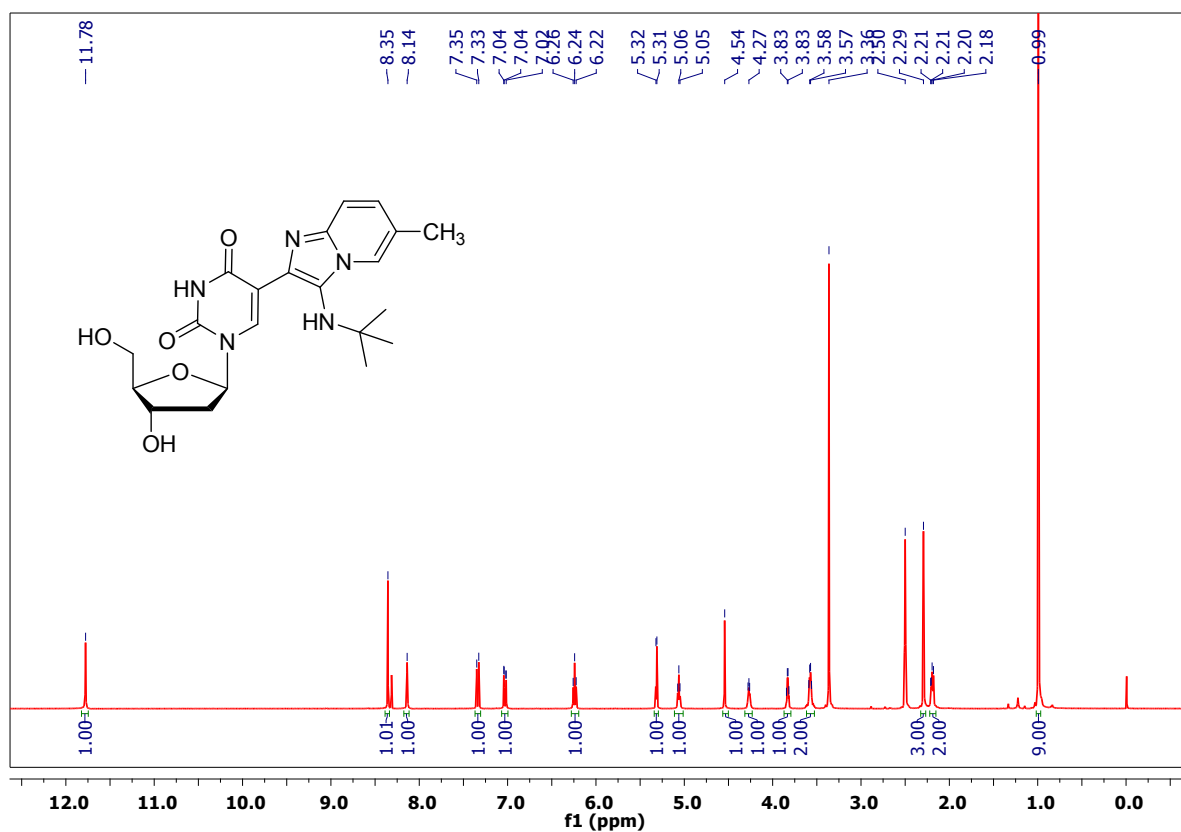


Figure 35: ¹H NMR spectrum of compound **5d** (400 MHz, DMSO-*d*₆)

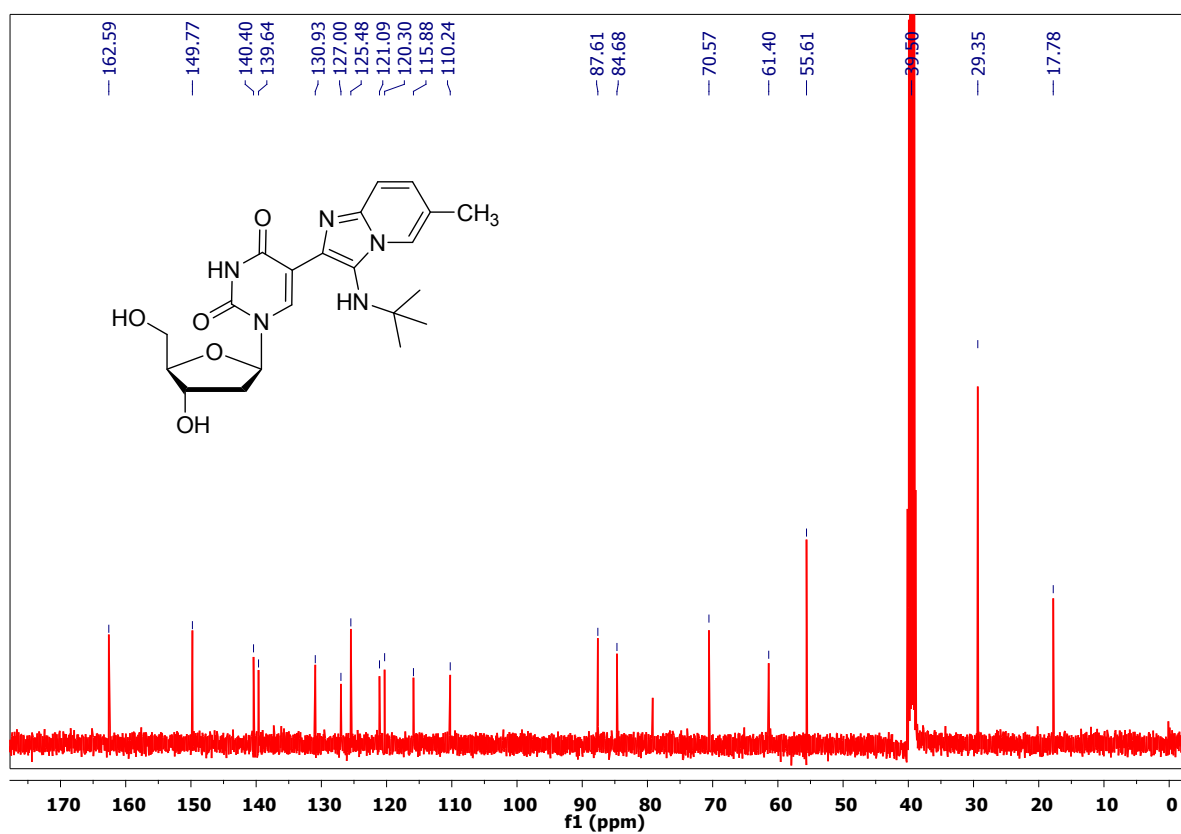


Figure 36: ^{13}C NMR spectrum of compound **5d** (100 MHz, $\text{DMSO}-d_6$)

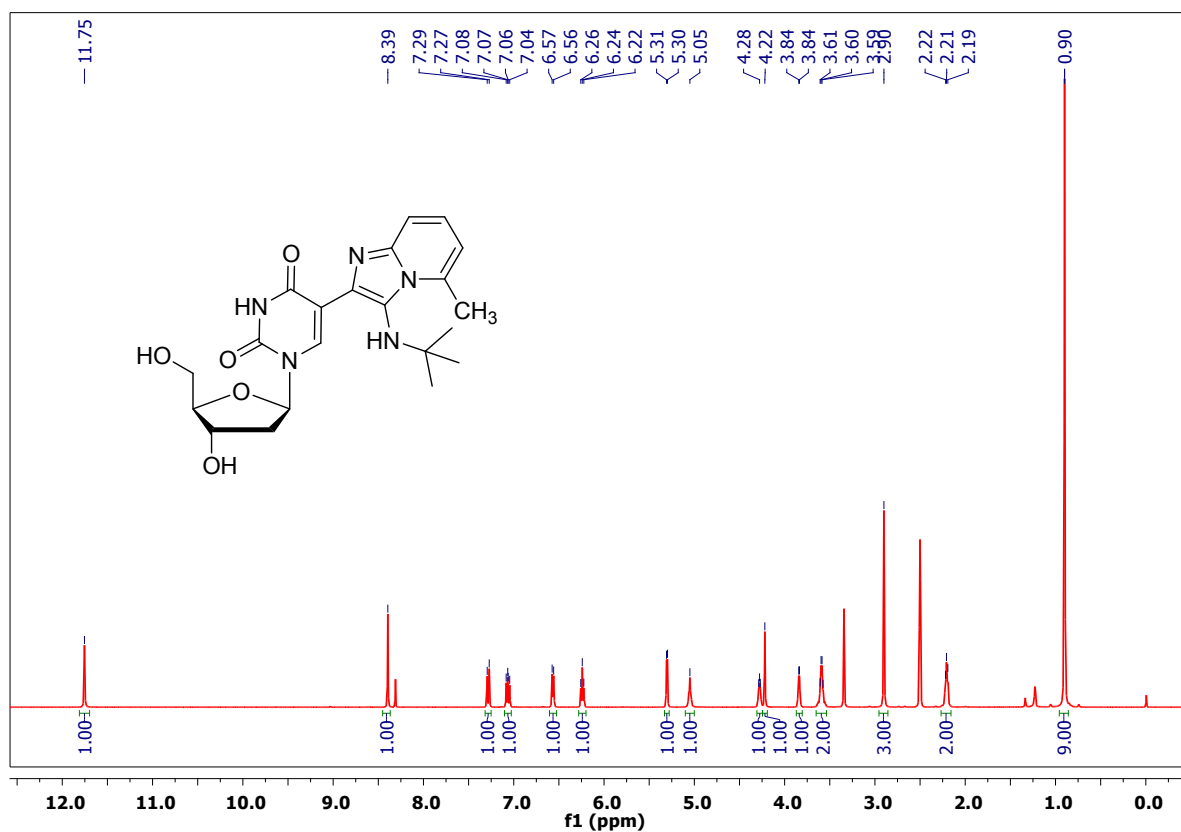


Figure 37: ^1H NMR spectrum of compound **5e** (400 MHz, $\text{DMSO}-d_6$)

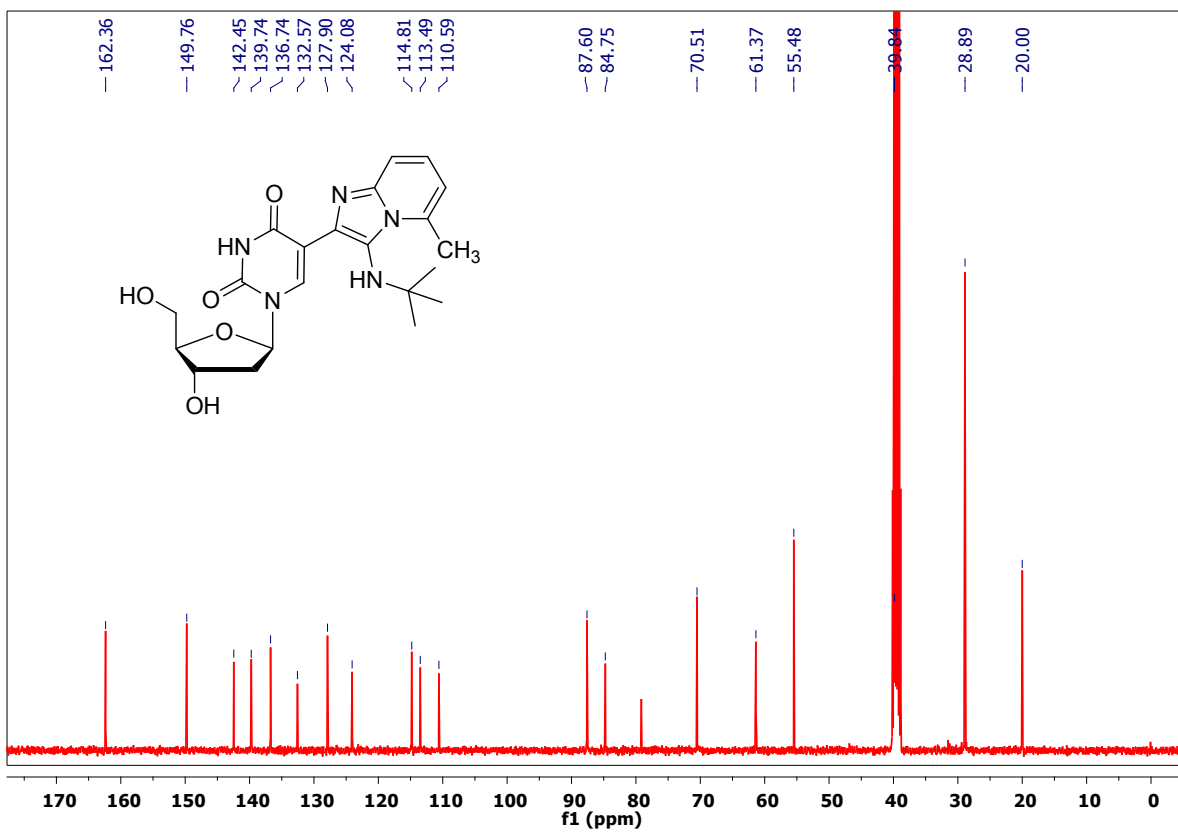


Figure 38: ^{13}C NMR spectrum of compound 5e (100 MHz, $\text{DMSO-}d_6$)

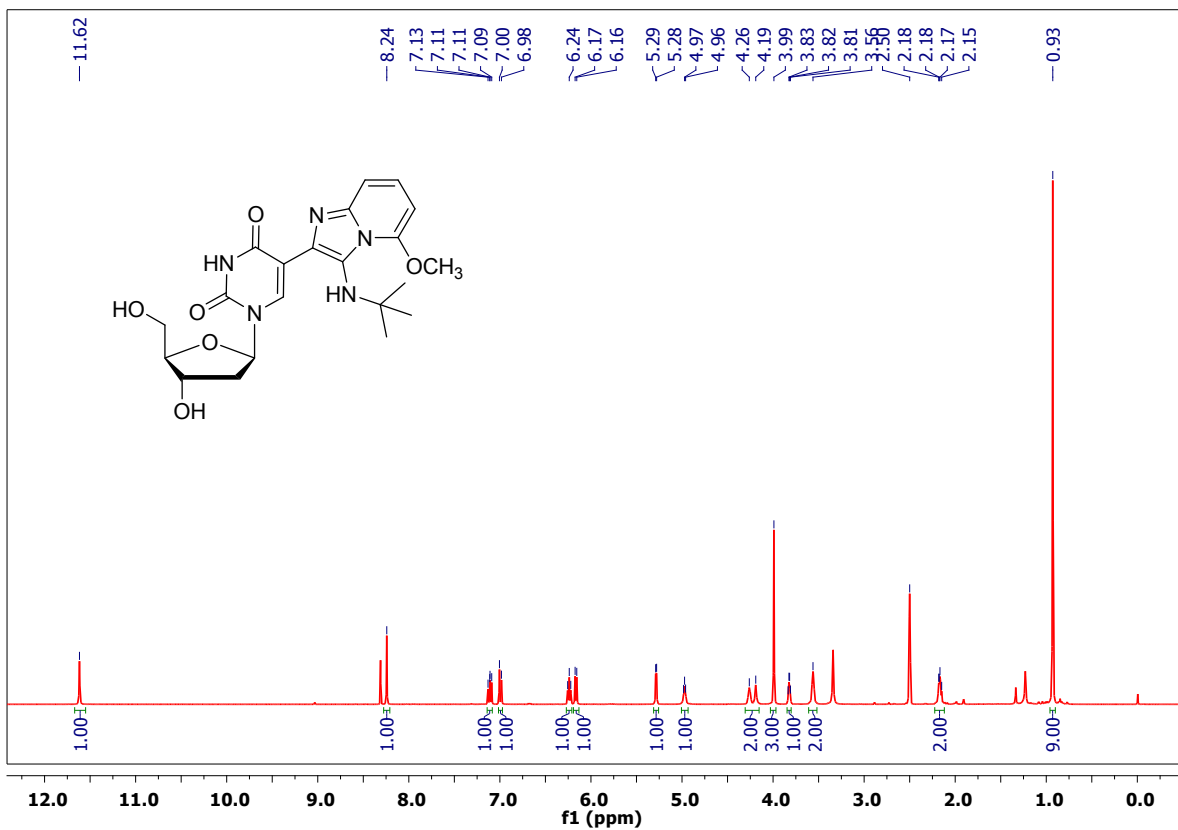


Figure 39: ^1H NMR spectrum of compound **5f** (400 MHz, $\text{DMSO-}d_6$)

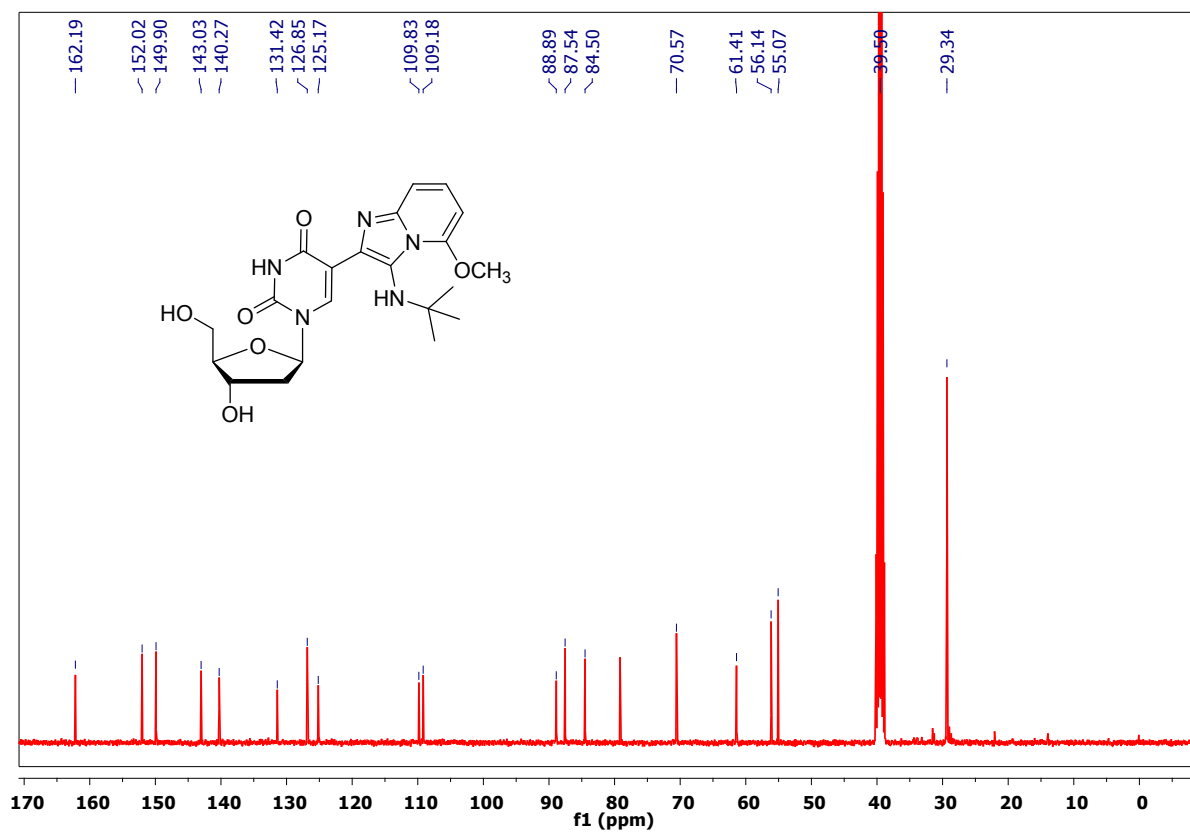


Figure 40: ^{13}C NMR spectrum of compound **5f** (100 MHz, $\text{DMSO-}d_6$)

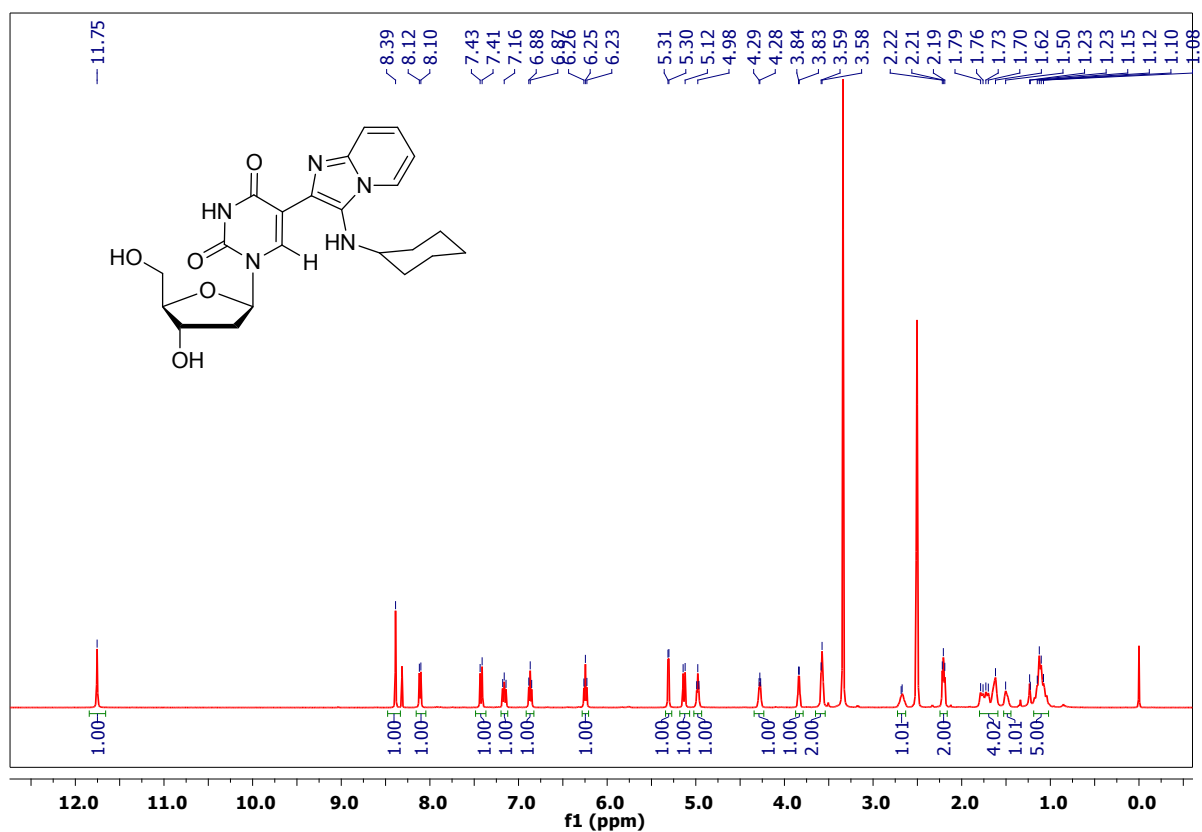


Figure 41: ^1H NMR spectrum of compound **5g** (400 MHz, $\text{DMSO-}d_6$)

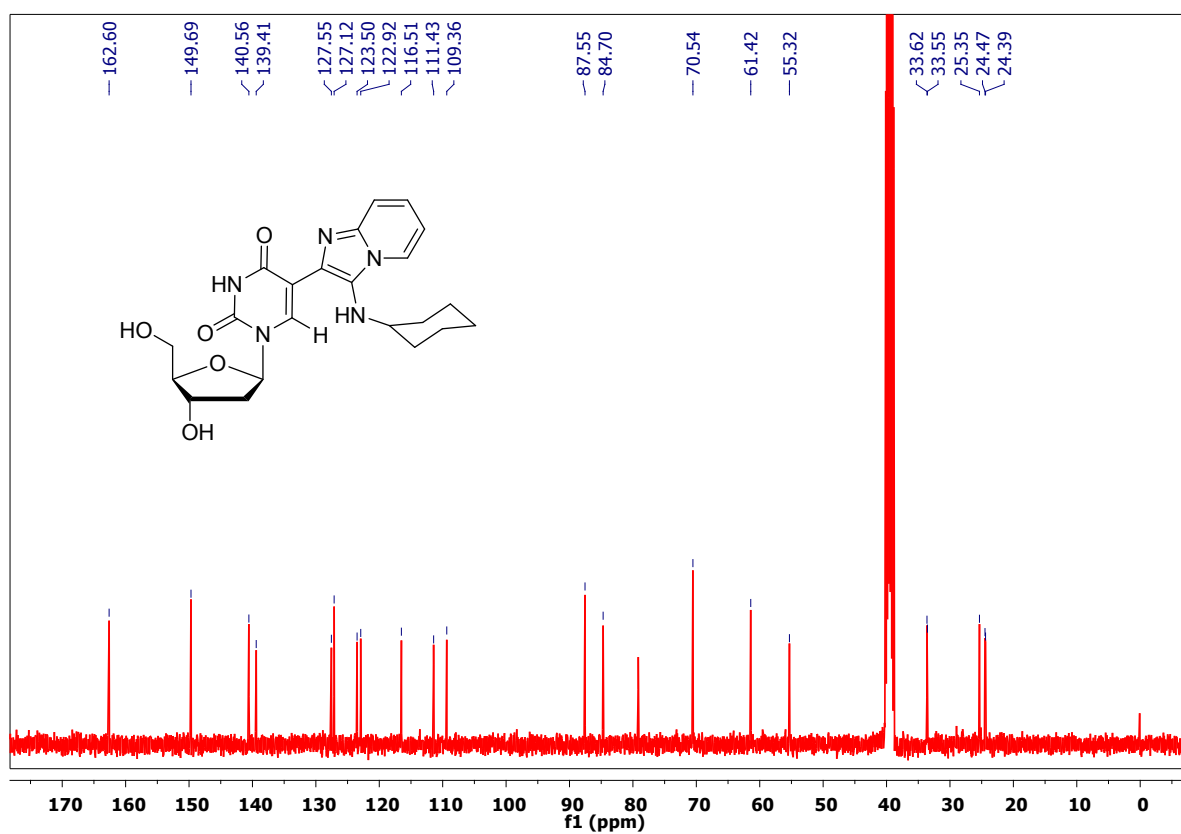


Figure 42: ^{13}C NMR spectrum of compound **5g** (100 MHz, $\text{DMSO-}d_6$)

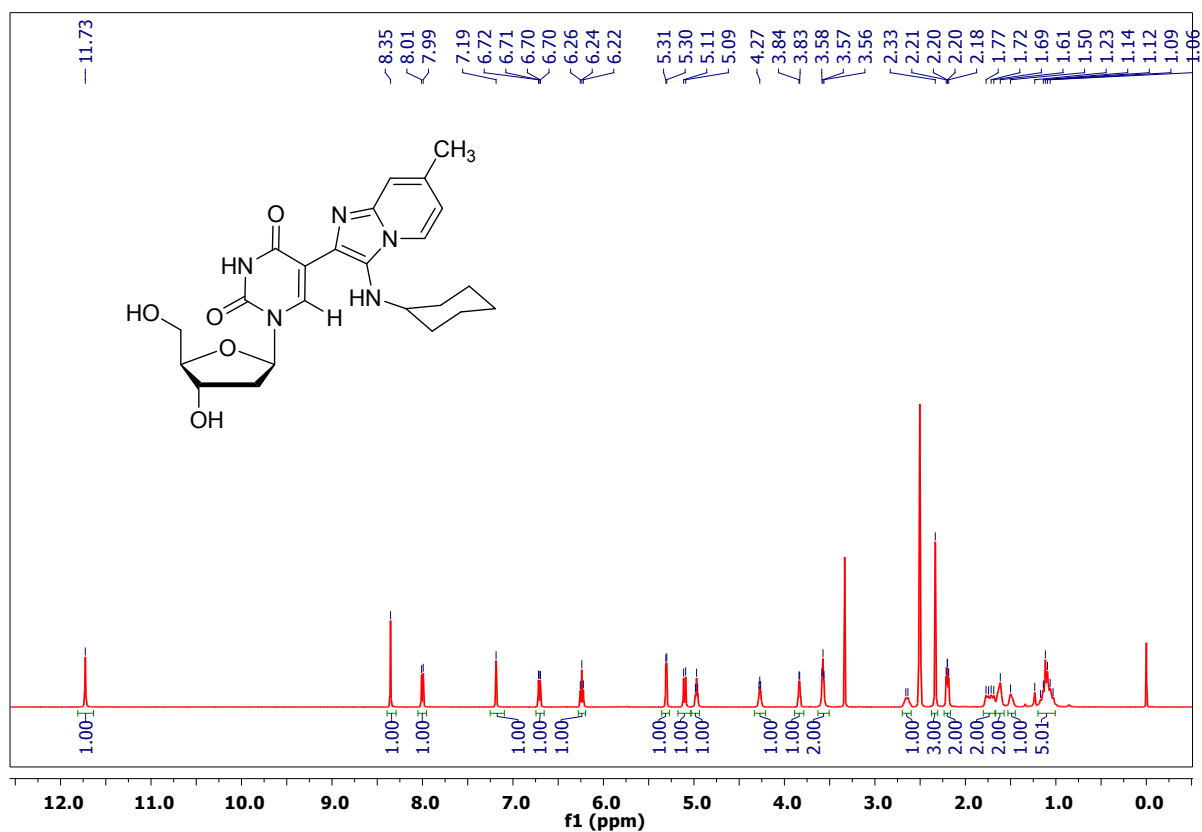


Figure 43: ^1H NMR spectrum of compound **5h** (400 MHz, $\text{DMSO-}d_6$)

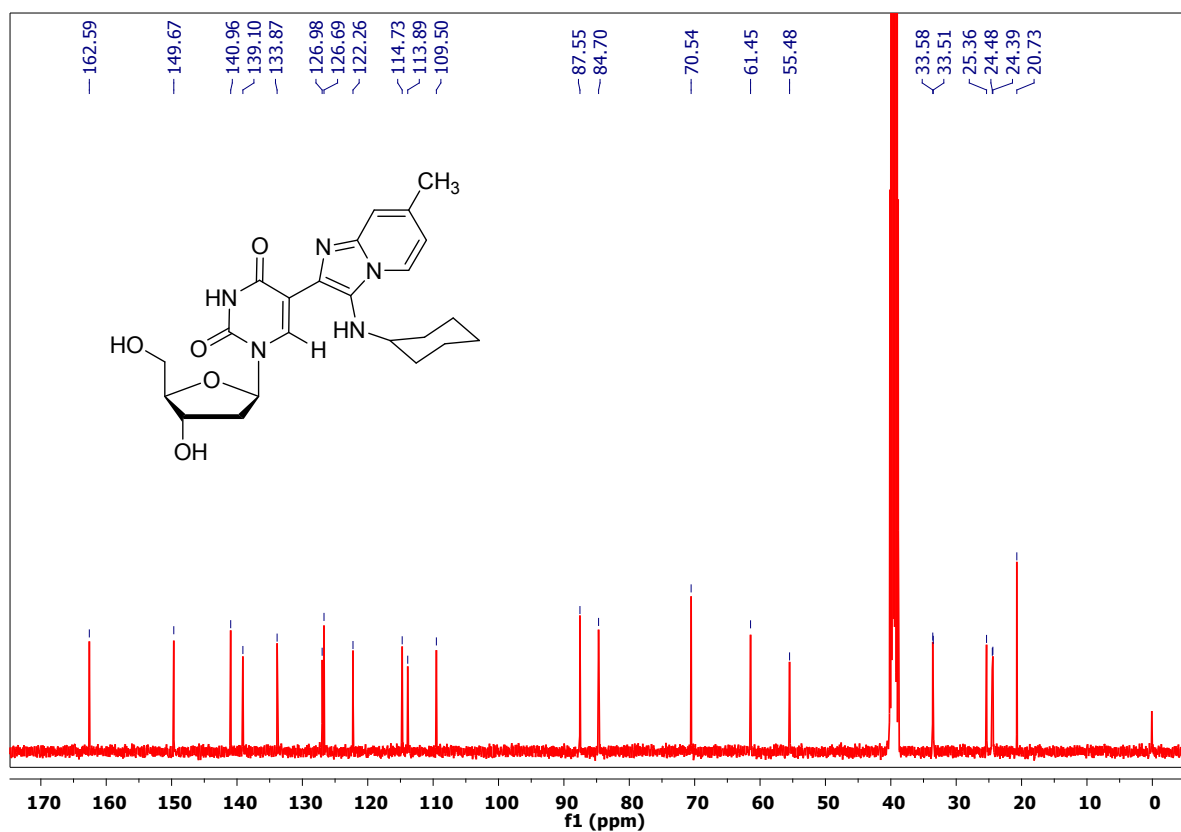


Figure 44: ^{13}C NMR spectrum of compound **5h** (100 MHz, $\text{DMSO-}d_6$)

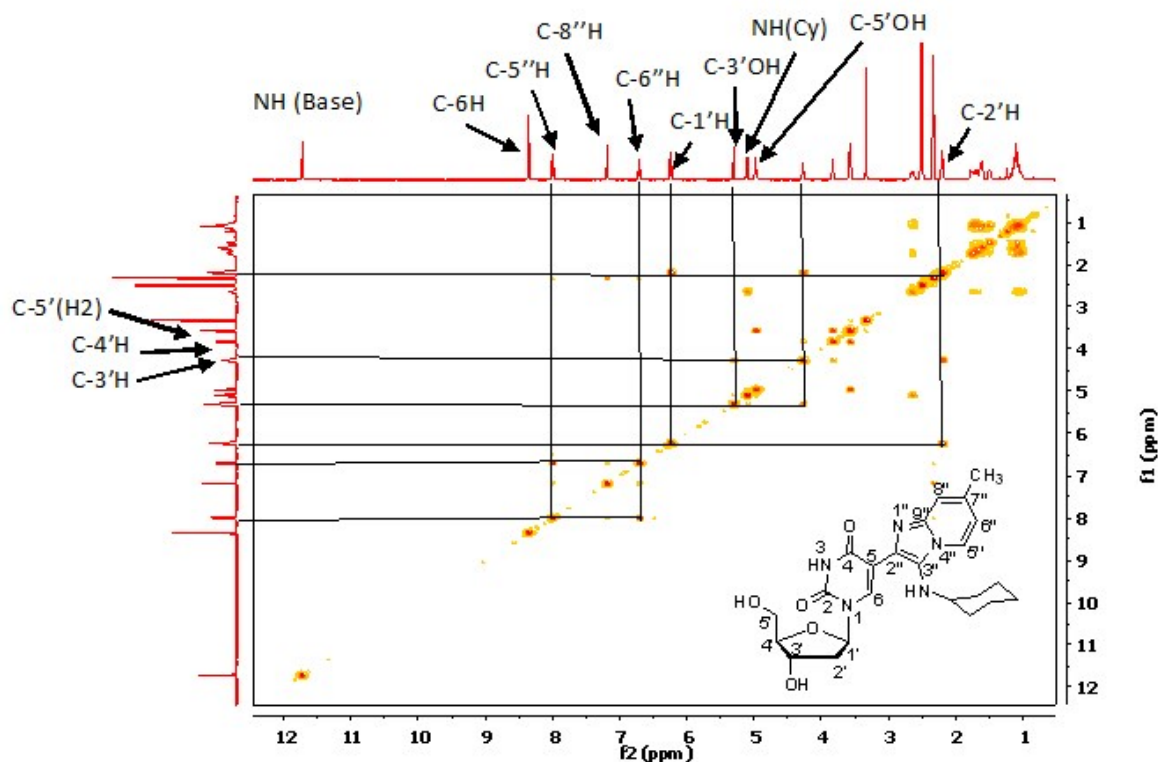


Figure 45: ^1H - ^1H COSY NMR spectrum of compound **5h** (400 MHz, $\text{DMSO-}d_6$)

Figure 47: ^1H NMR spectrum of compound **5i** (400 MHz, $\text{DMSO-}d_6$)

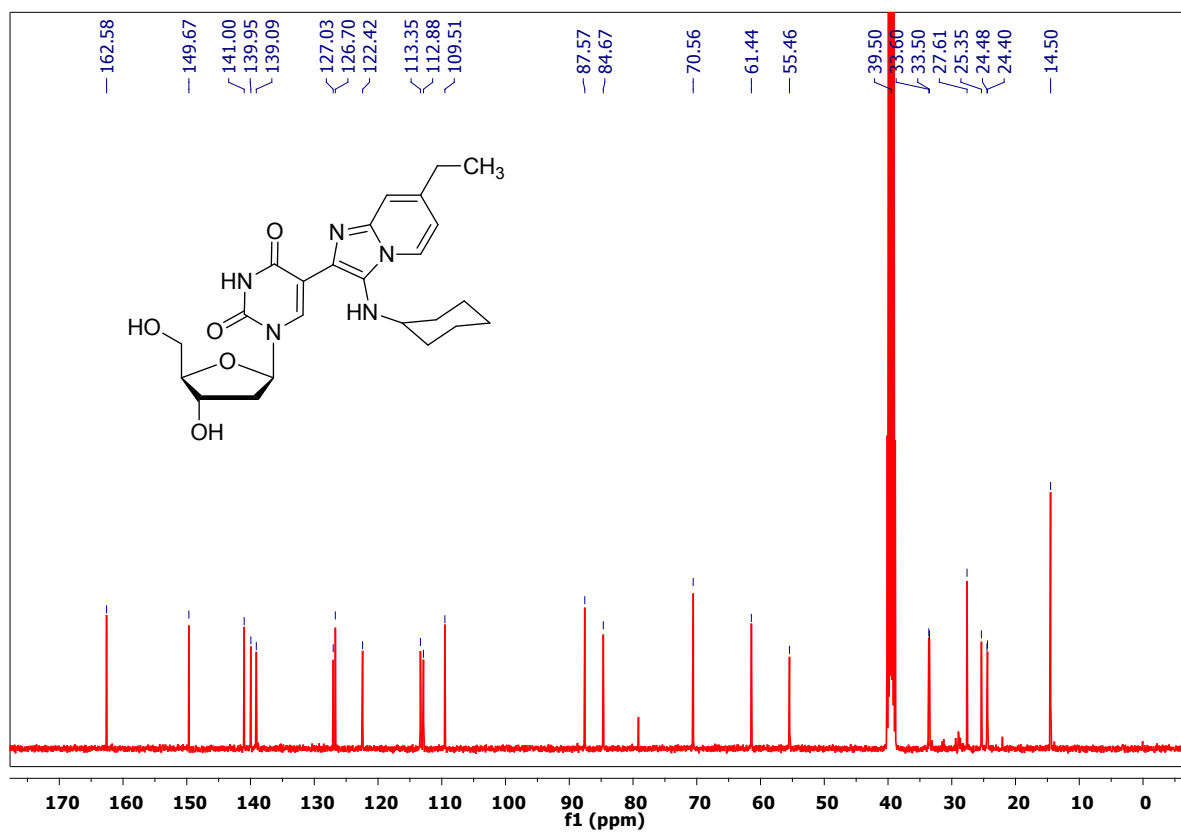


Figure 48: ^{13}C NMR spectrum of compound **5i** (100 MHz, $\text{DMSO-}d_6$)

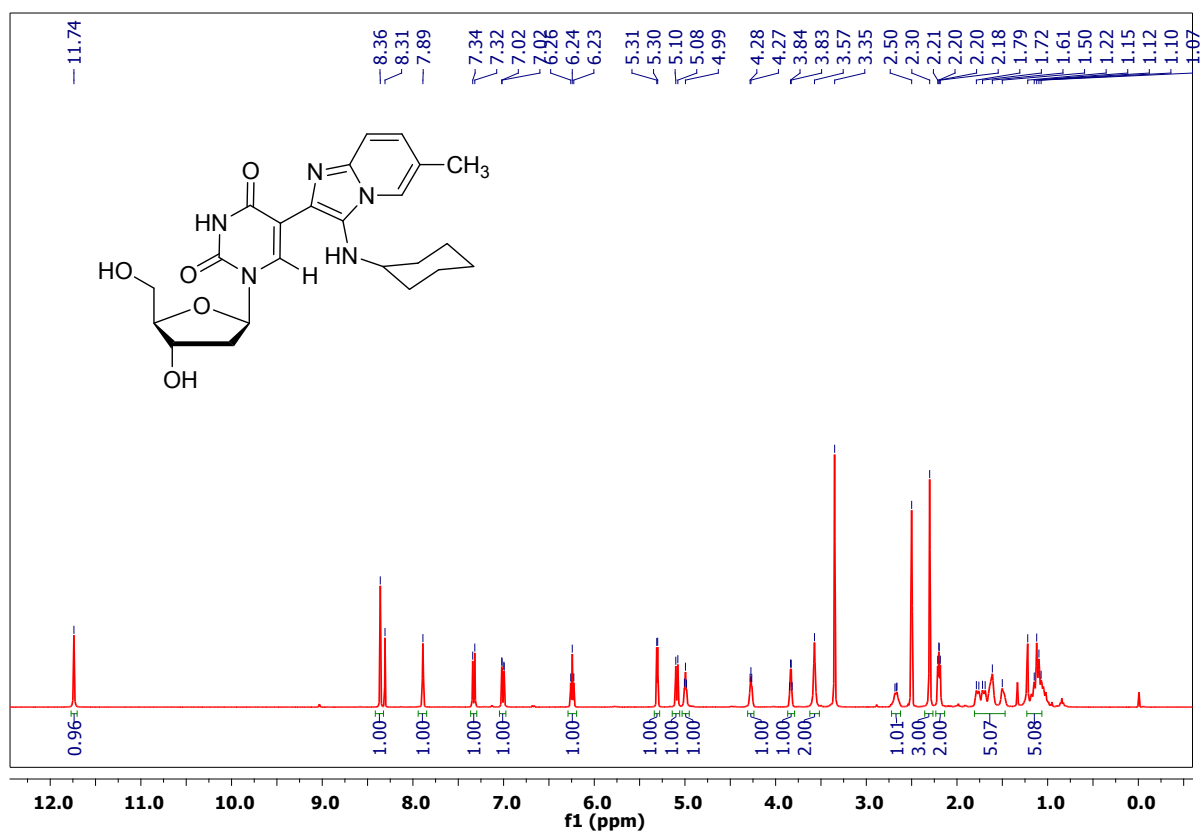


Figure 49: ^1H NMR spectrum of compound **5j** (400 MHz, $\text{DMSO-}d_6$)

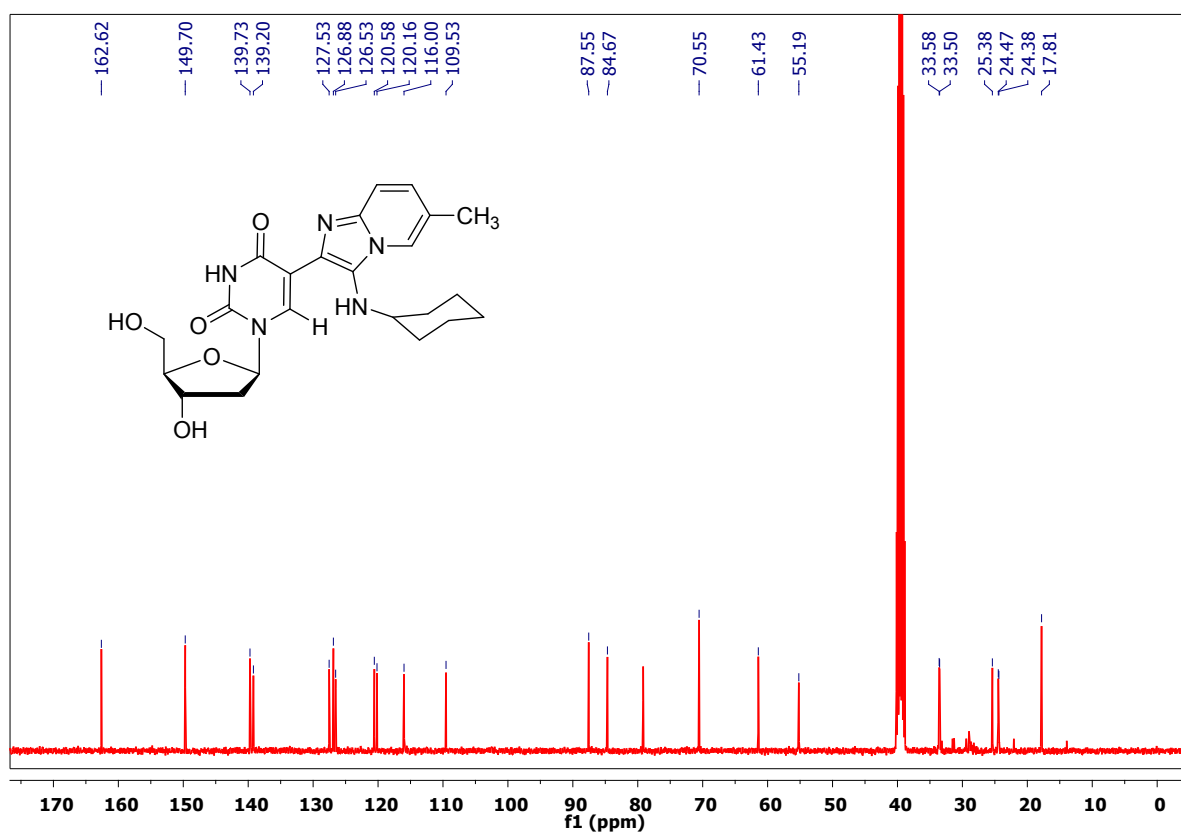
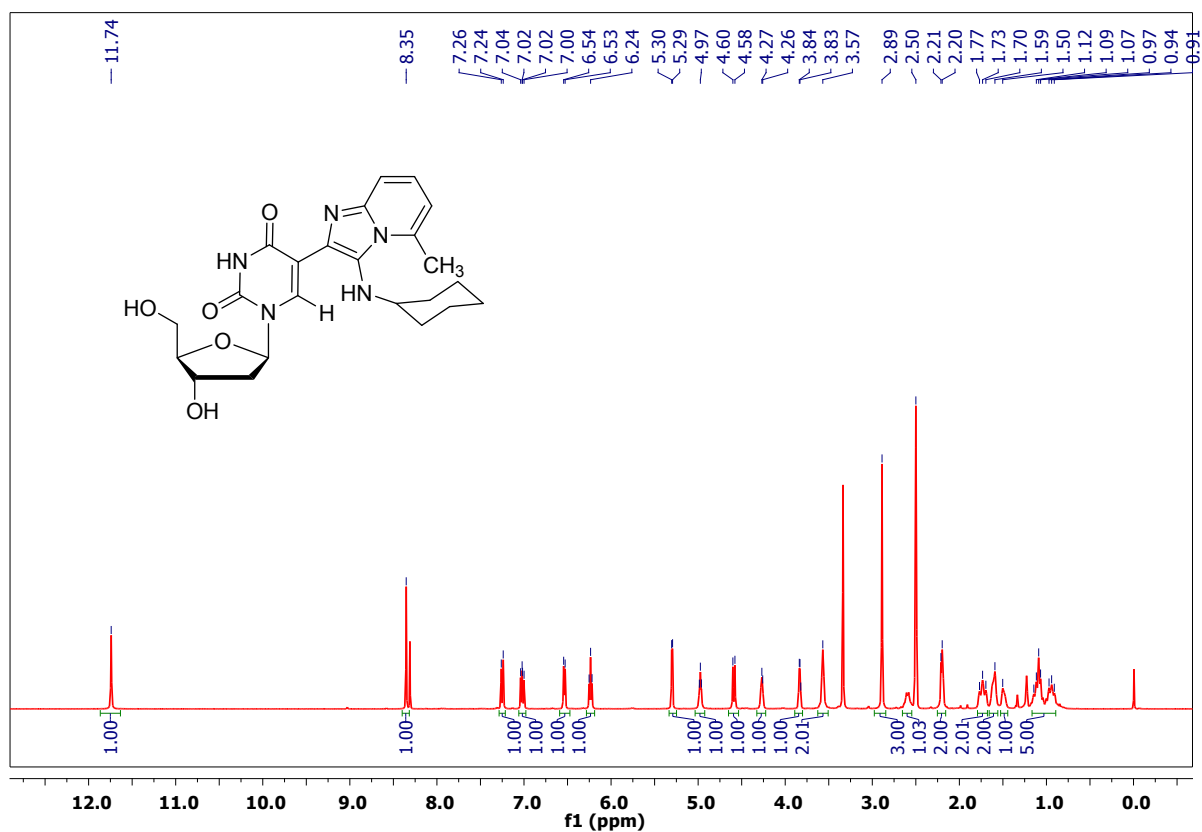


Figure 50: ^{13}C NMR spectrum of compound **5j** (100 MHz, $\text{DMSO-}d_6$)



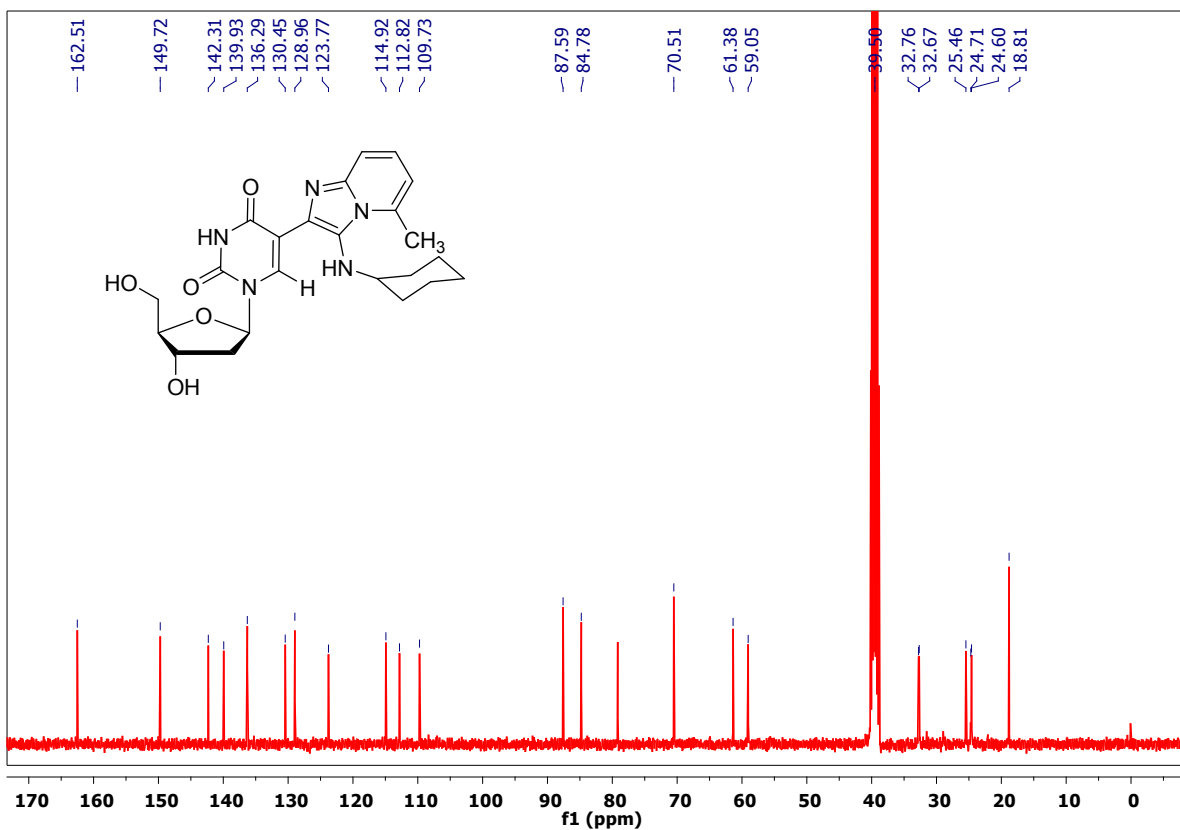


Figure 52: ^{13}C NMR spectrum of compound 5k (100 MHz, $\text{DMSO}-d_6$)

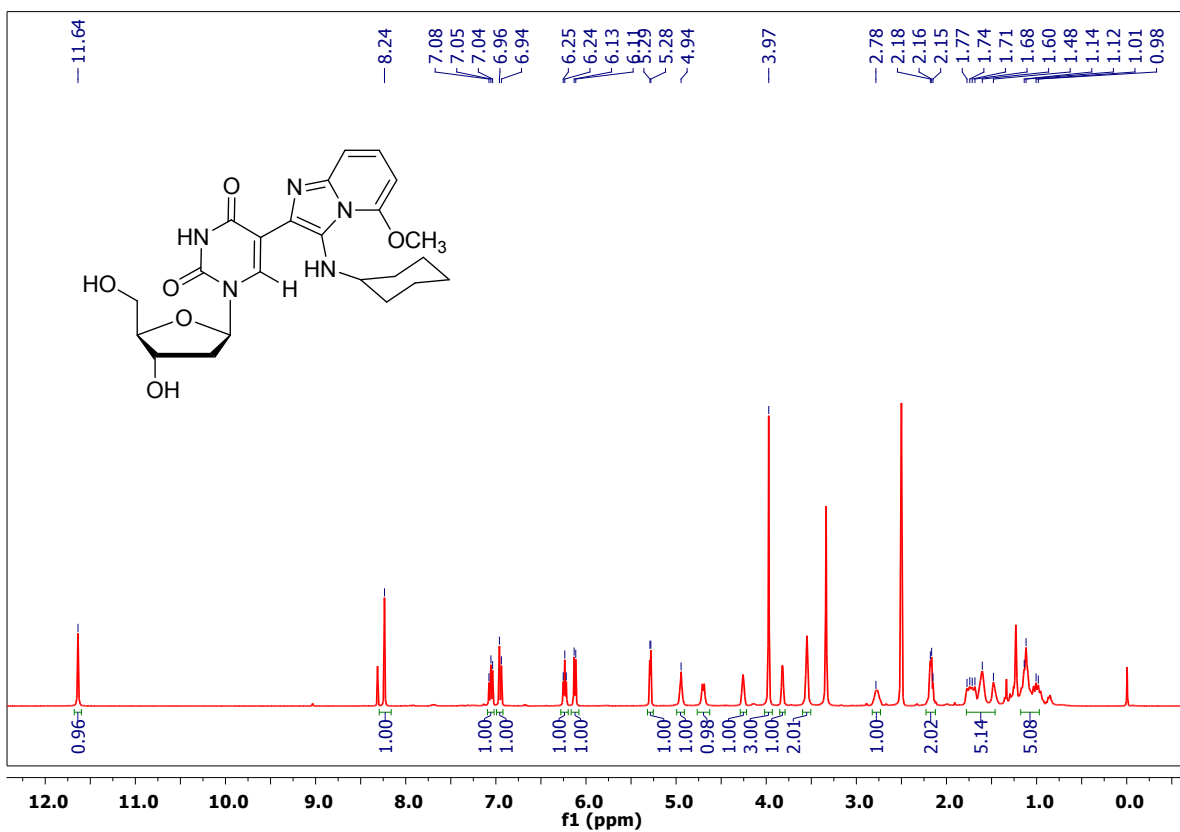


Figure 53: ^1H NMR spectrum of compound **5I** (400 MHz, $\text{DMSO-}d_6$)

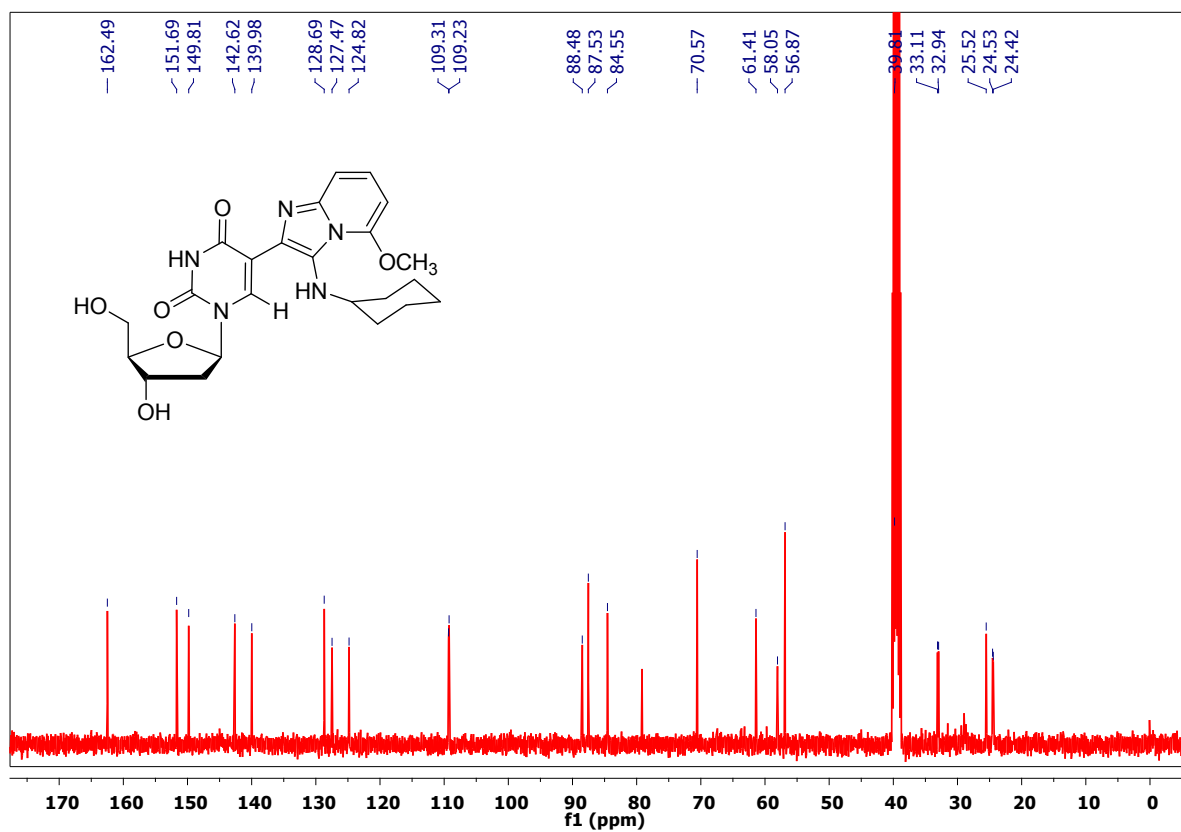


Figure 54: ^{13}C NMR spectrum of compound **5I** (100 MHz, $\text{DMSO-}d_6$)

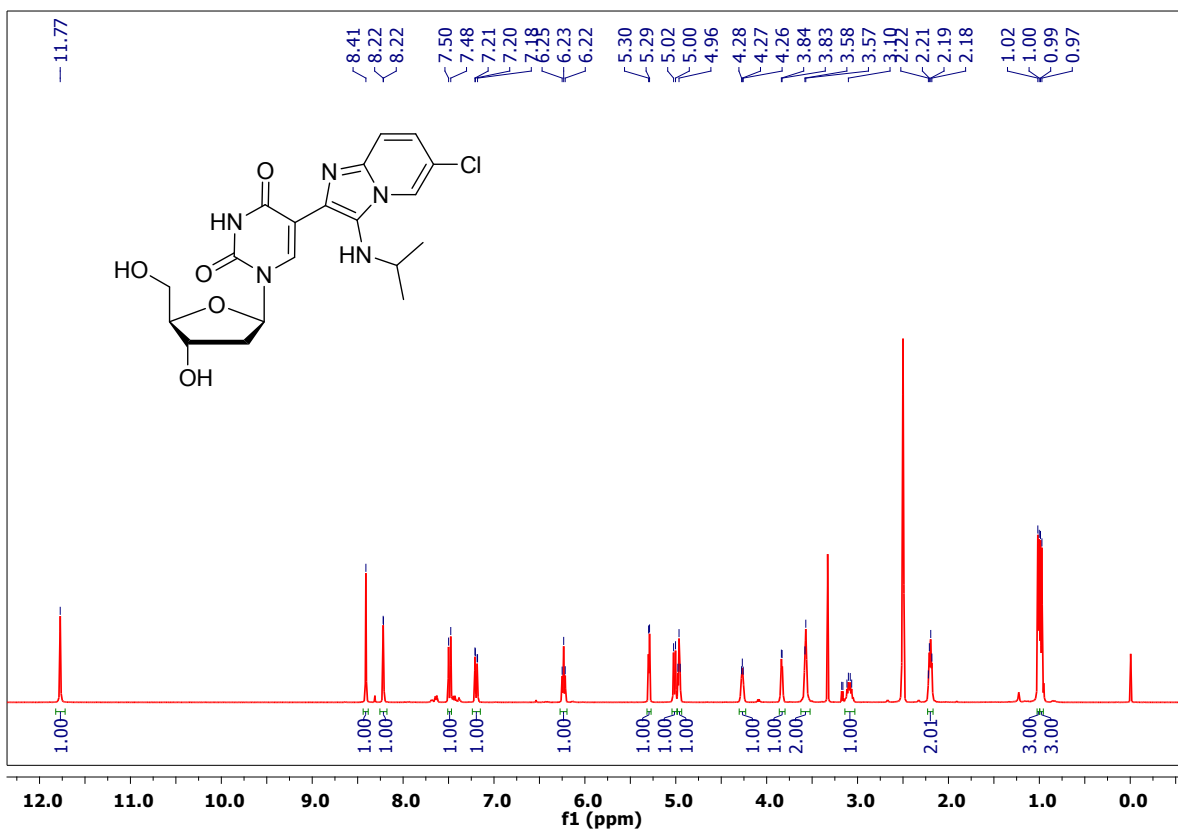


Figure 55: ¹H NMR spectrum of compound **5m** (400 MHz, DMSO-*d*₆)

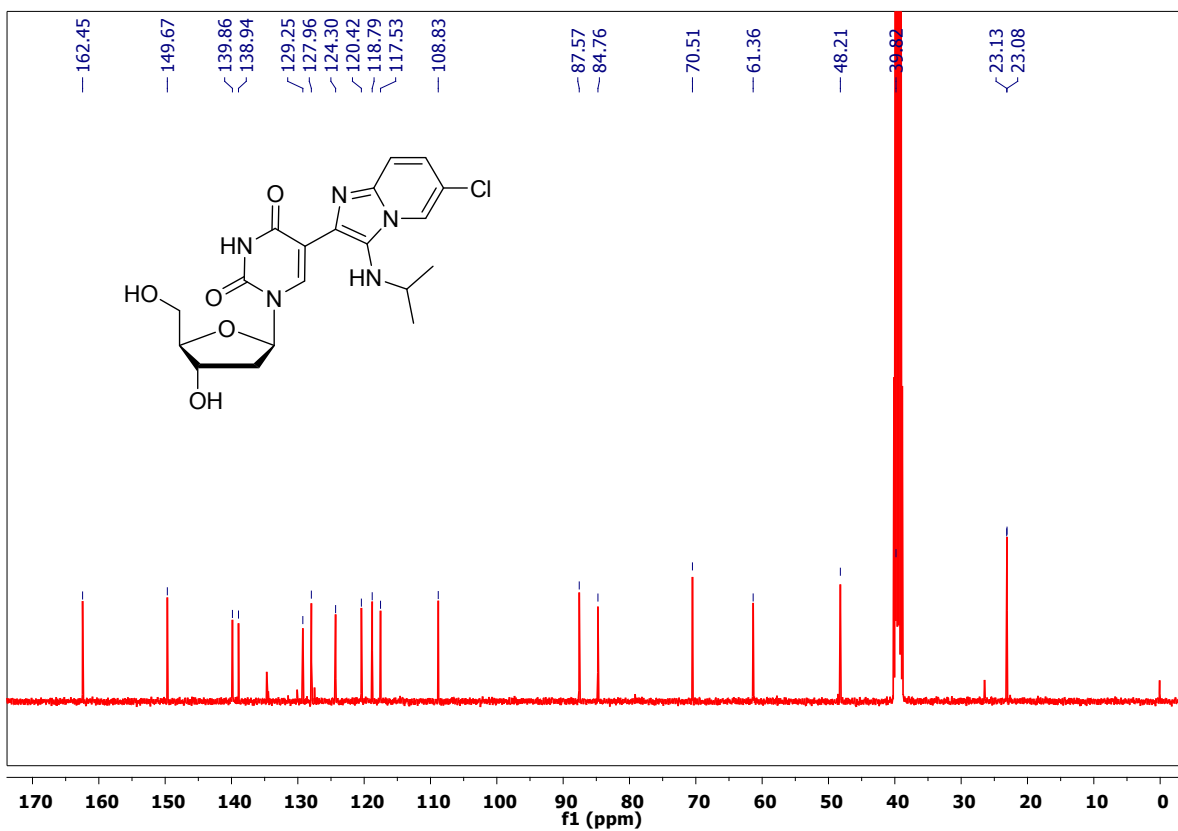


Figure 56: ^{13}C NMR spectrum of compound **5m** (100 MHz, $\text{DMSO-}d_6$)

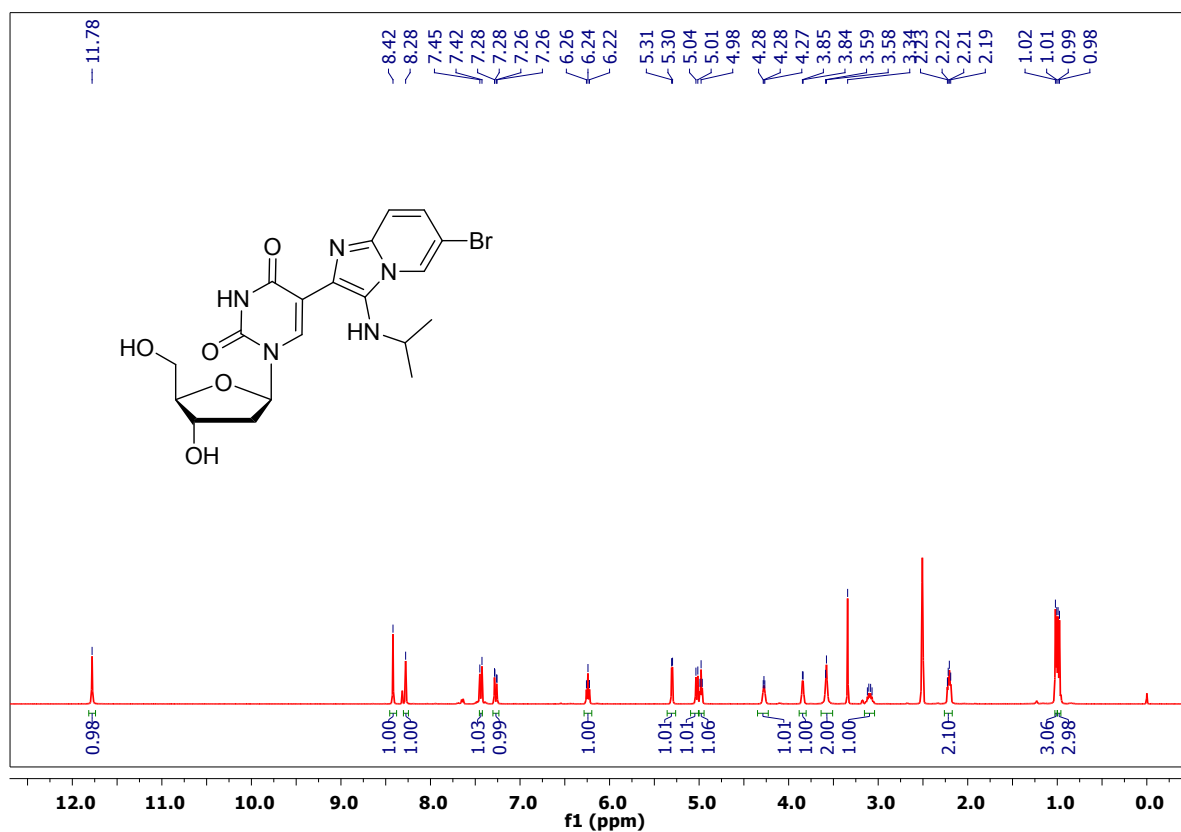


Figure 57: ^1H NMR spectrum of compound **5n** (400 MHz, $\text{DMSO-}d_6$)

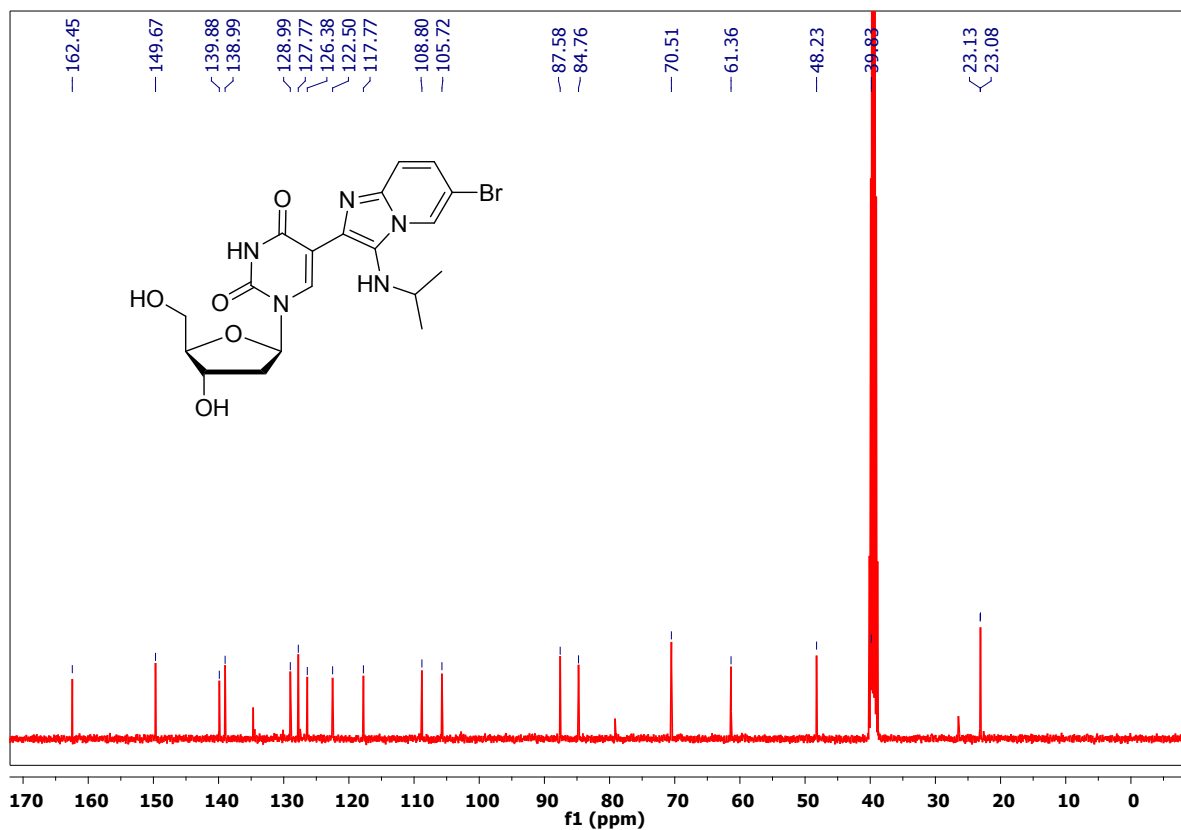


Figure 58: ^{13}C NMR spectrum of compound **5n** (100 MHz, $\text{DMSO-}d_6$)

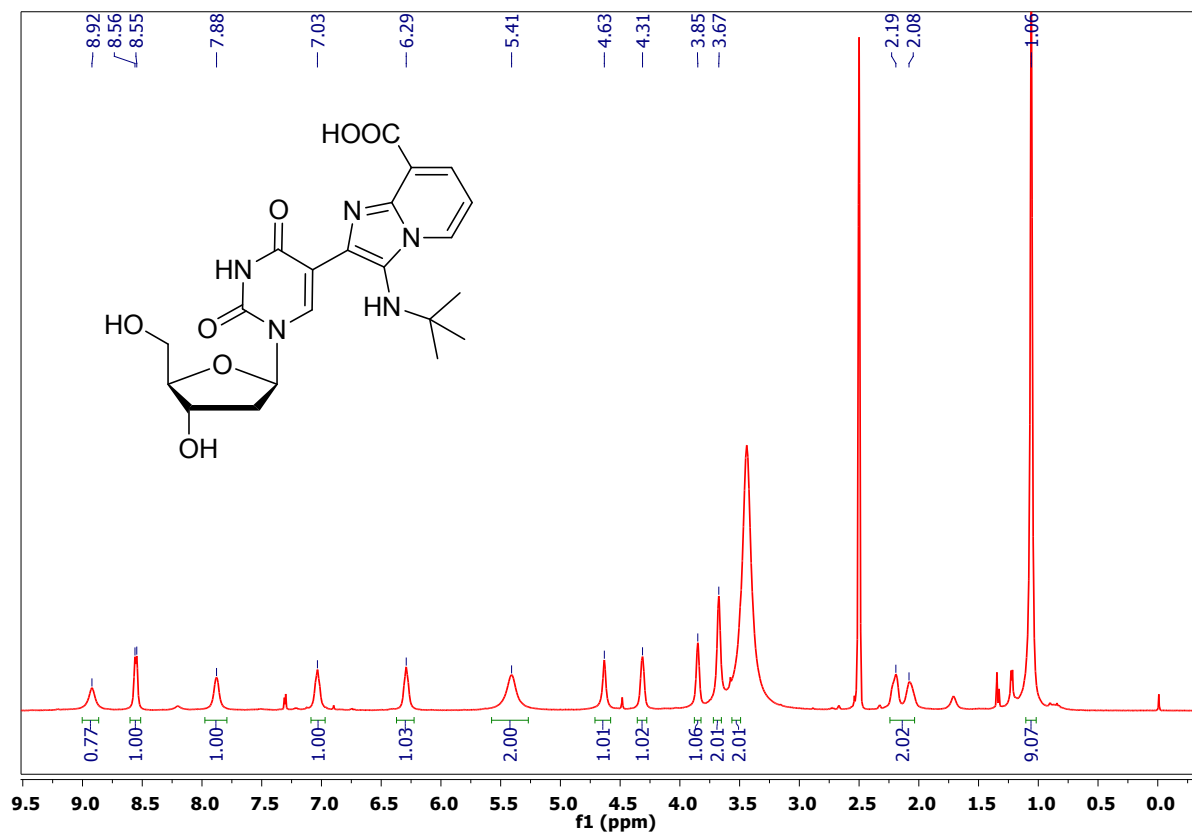


Figure 57: ^1H NMR spectrum of compound **5p** (400 MHz, $\text{DMSO-}d_6$)

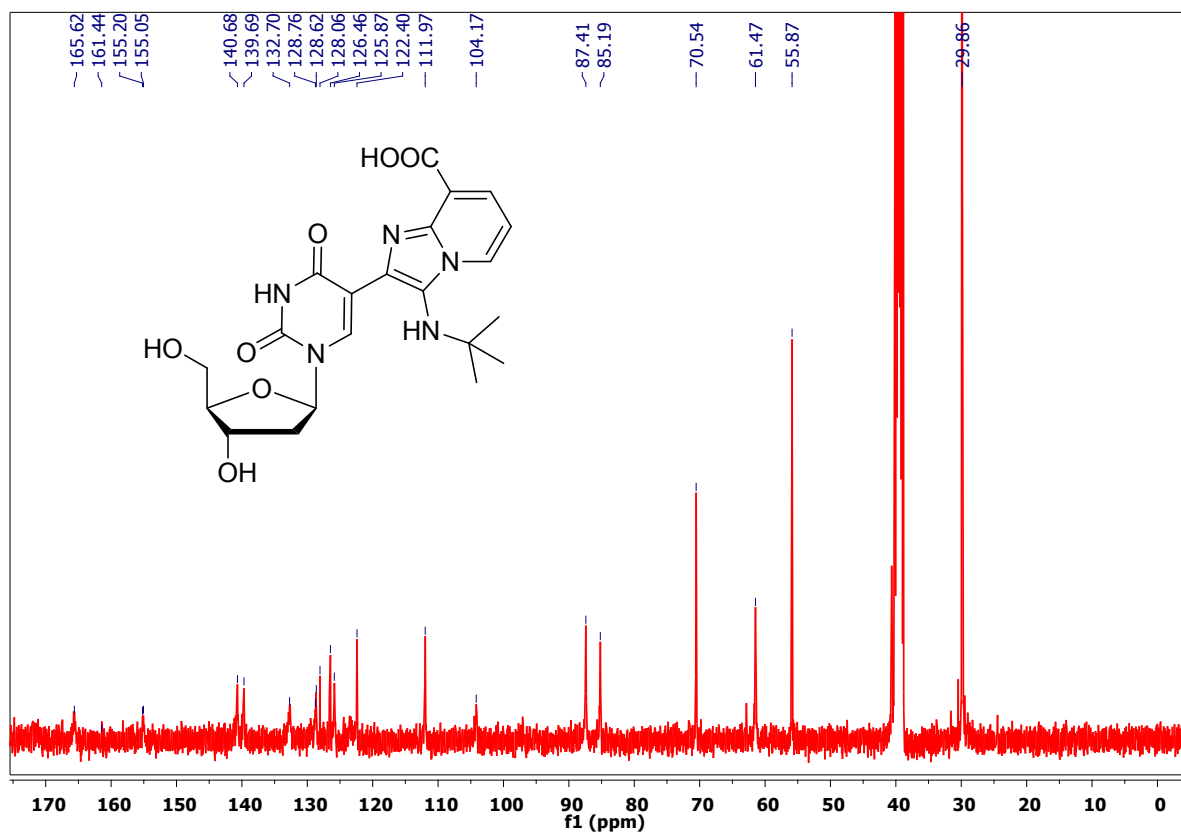


Figure 58: ^{13}C NMR spectrum of compound **5p** (100 MHz, $\text{DMSO-}d_6$)

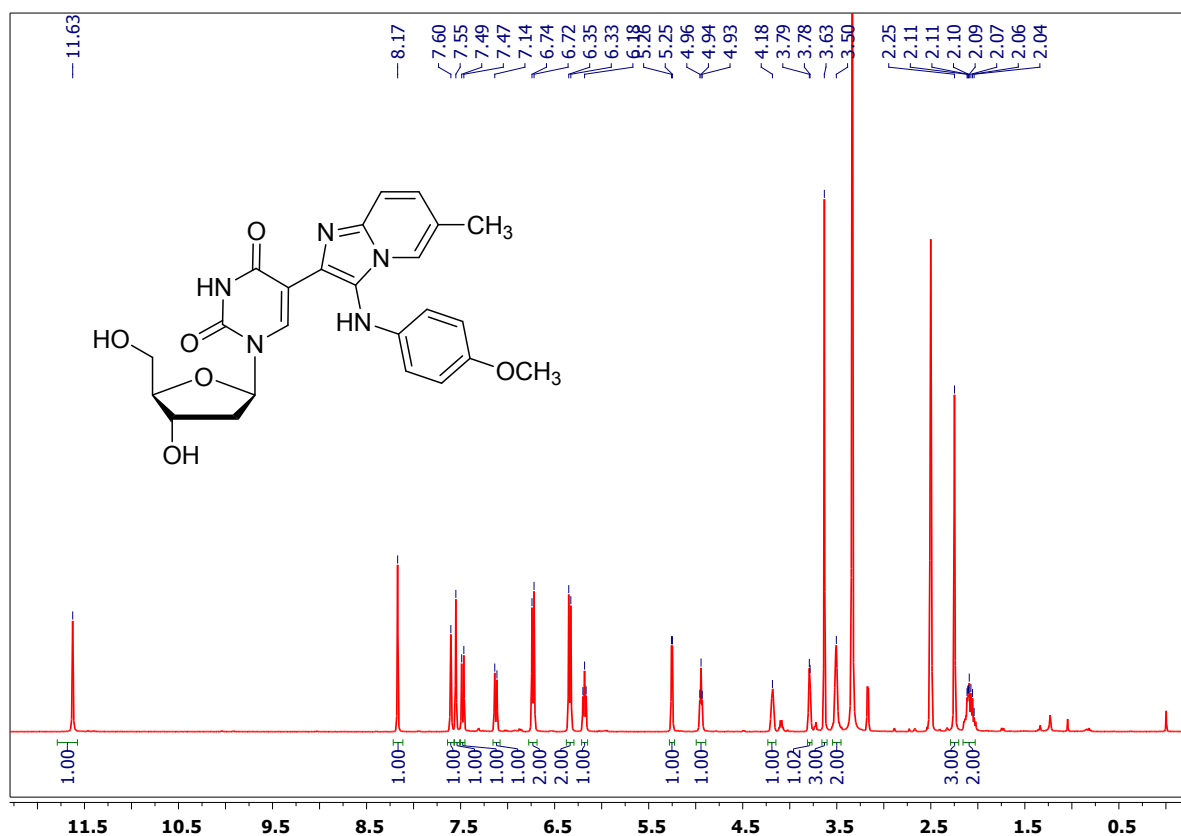


Figure 57: ^1H NMR spectrum of compound **5p (400 MHz, $\text{DMSO-}d_6$)**

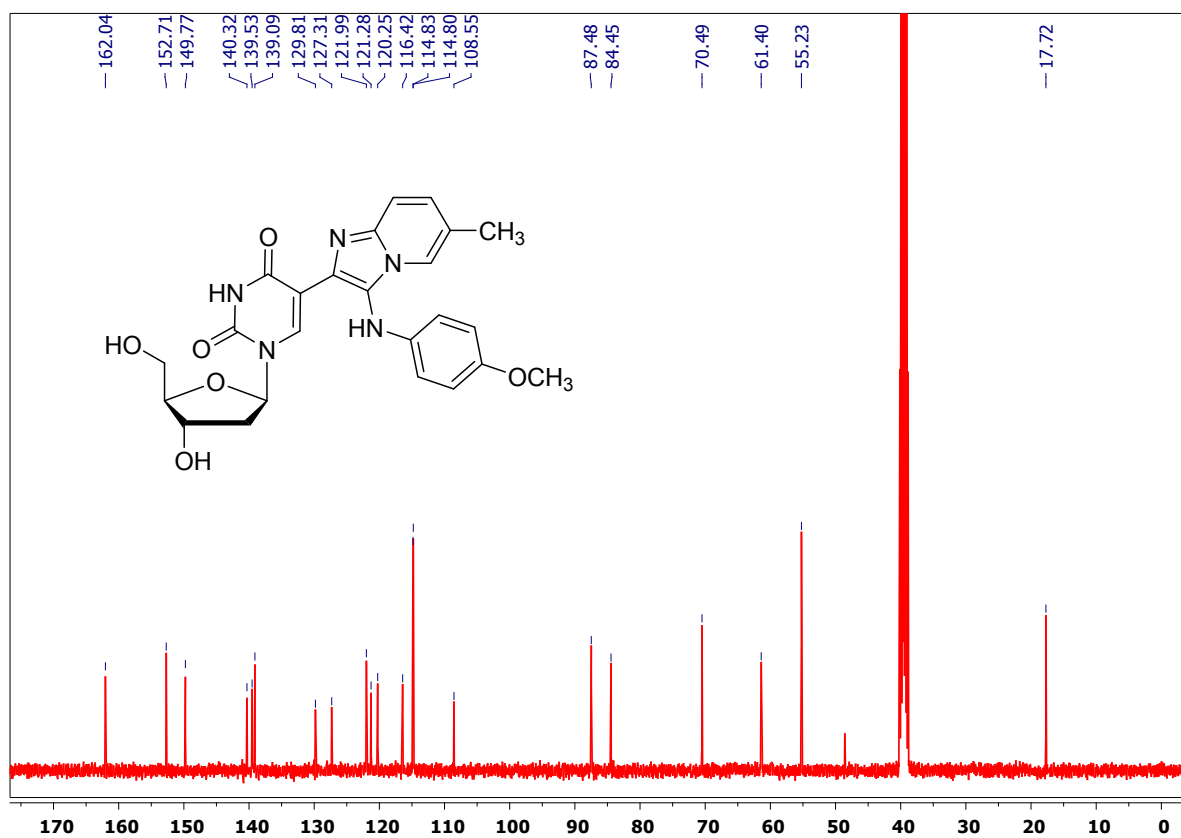


Figure 58: ^{13}C NMR spectrum of compound **5p** (100 MHz, $\text{DMSO-}d_6$)