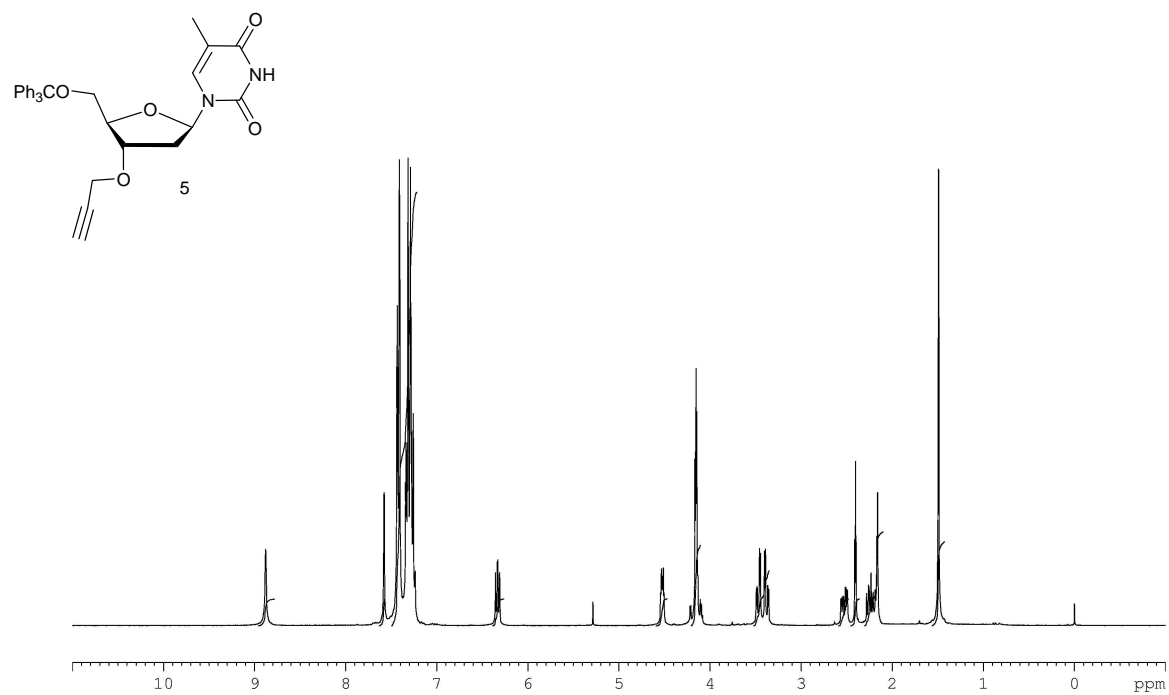
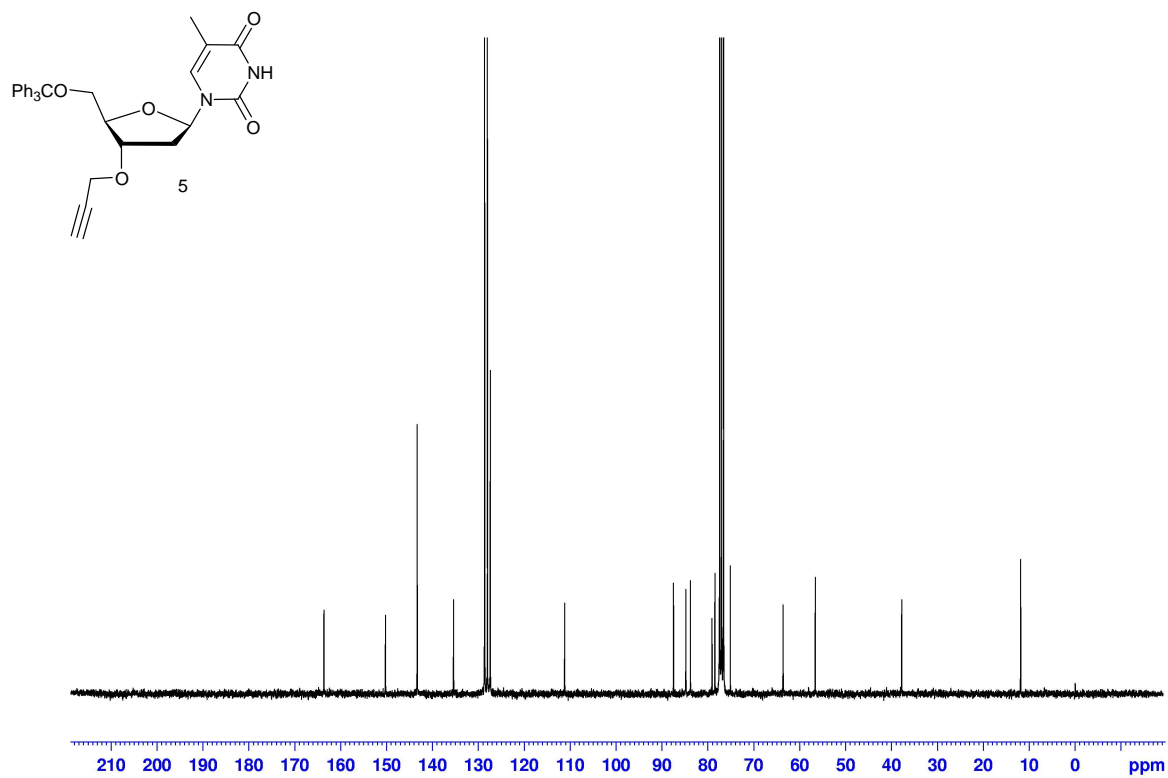


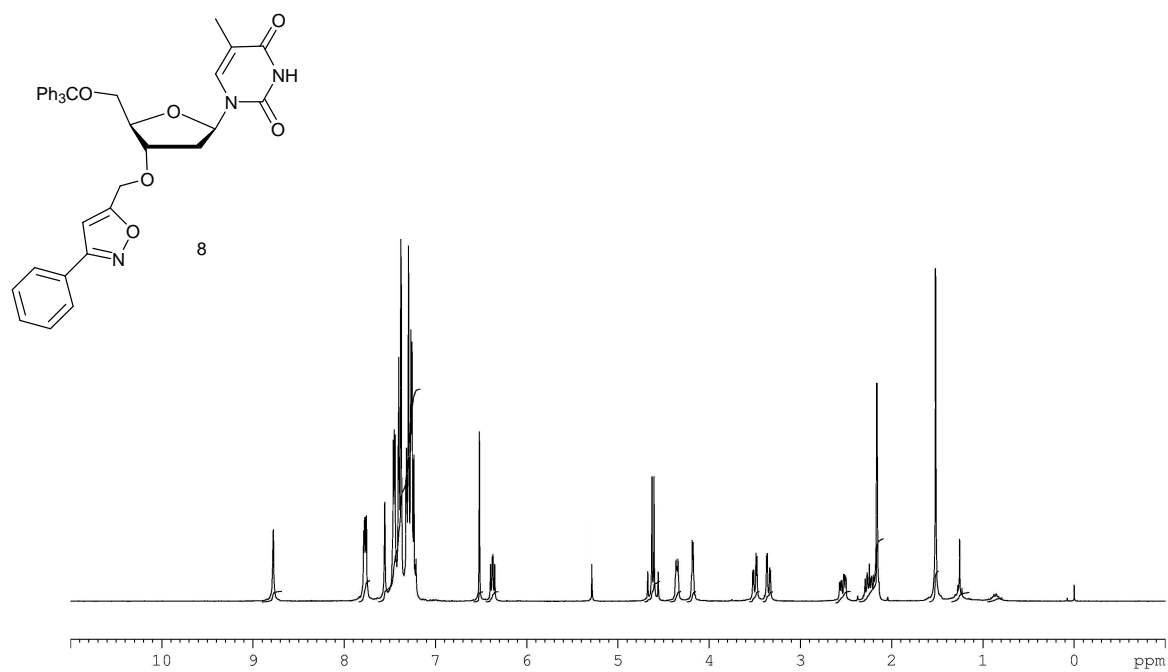
¹H NMR spectrum of **4**



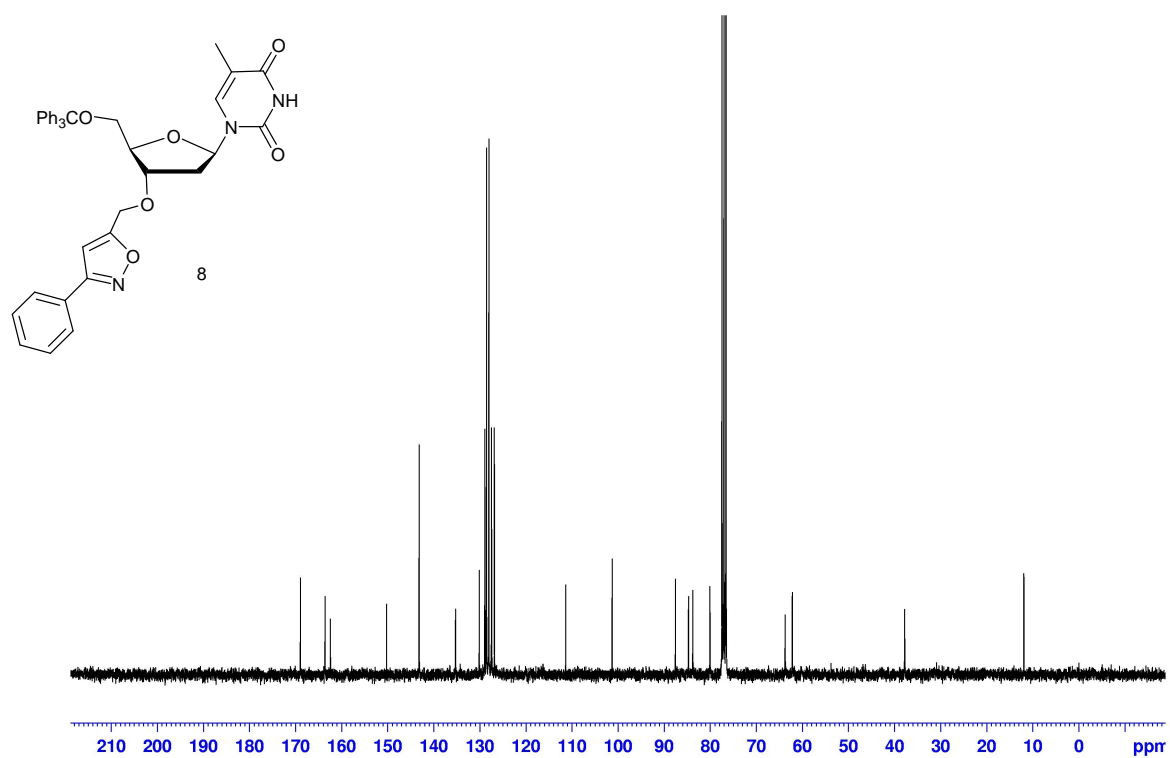
¹H NMR spectrum of **5**



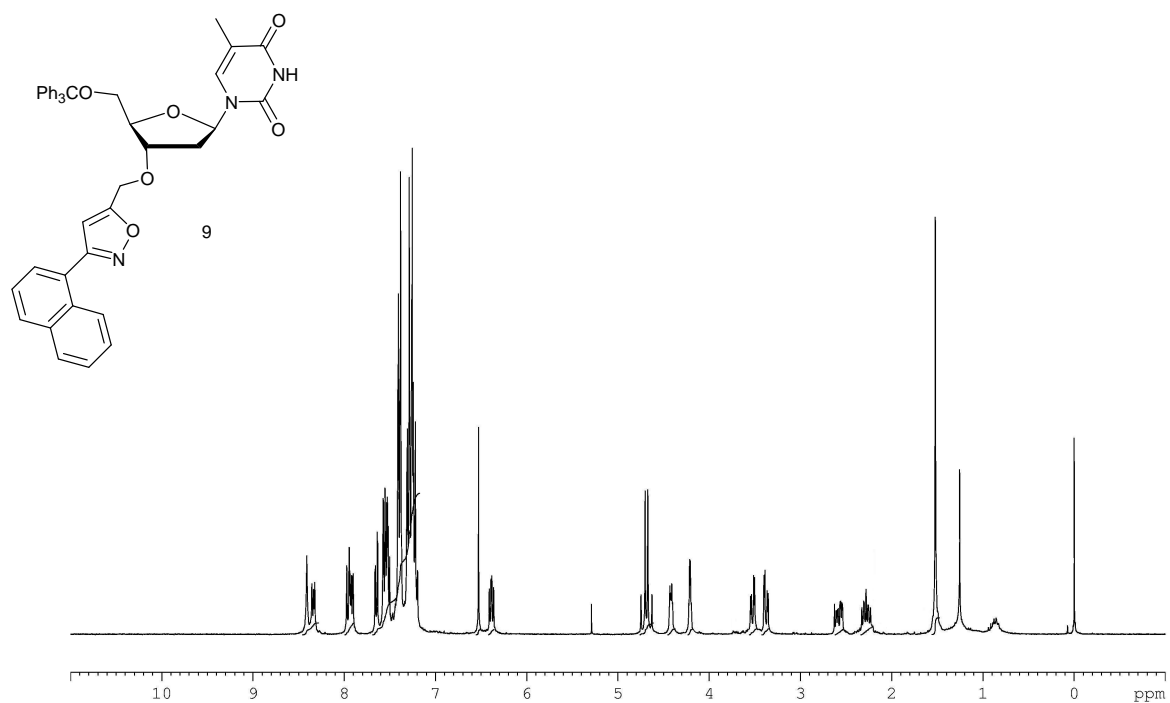
^{13}C NMR spectrum of **5**



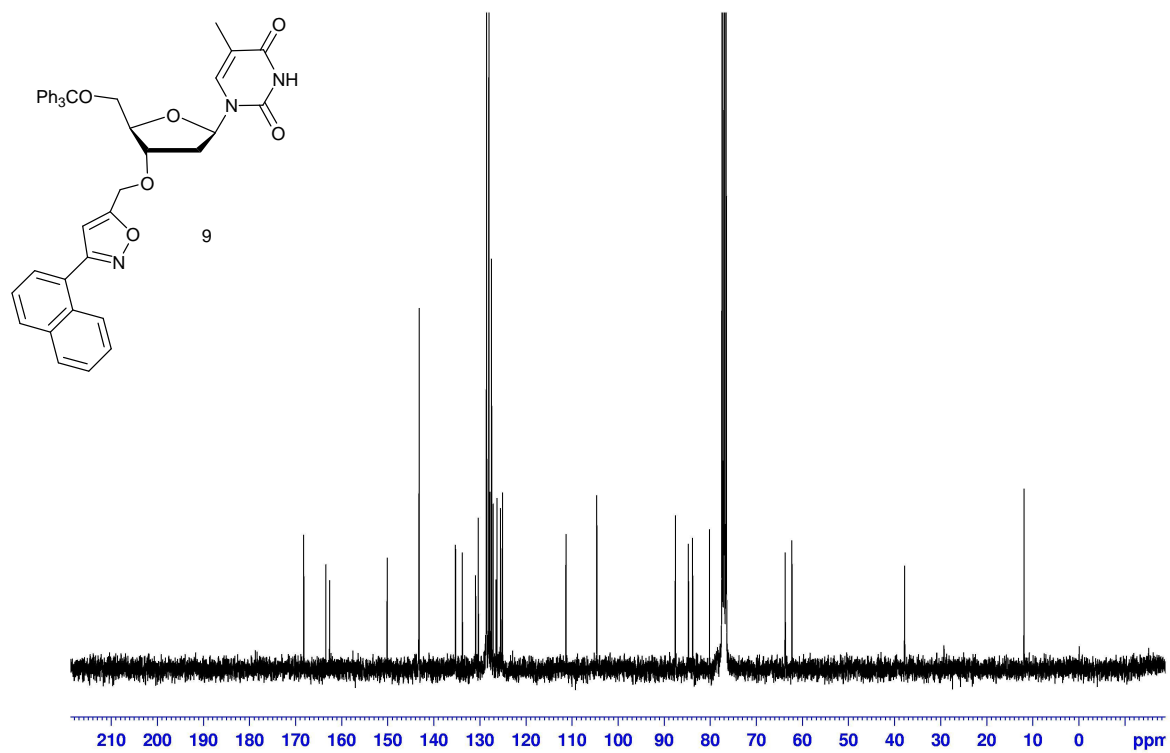
^1H NMR spectrum of **8**



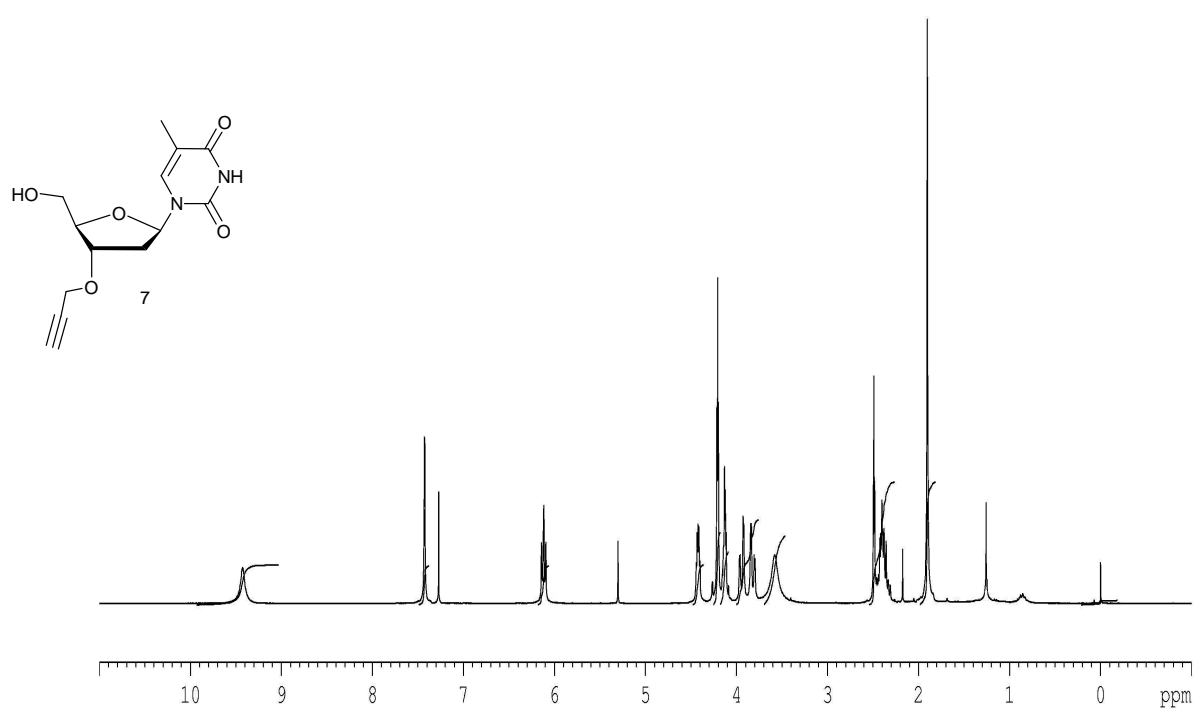
^{13}C NMR spectrum of **8**



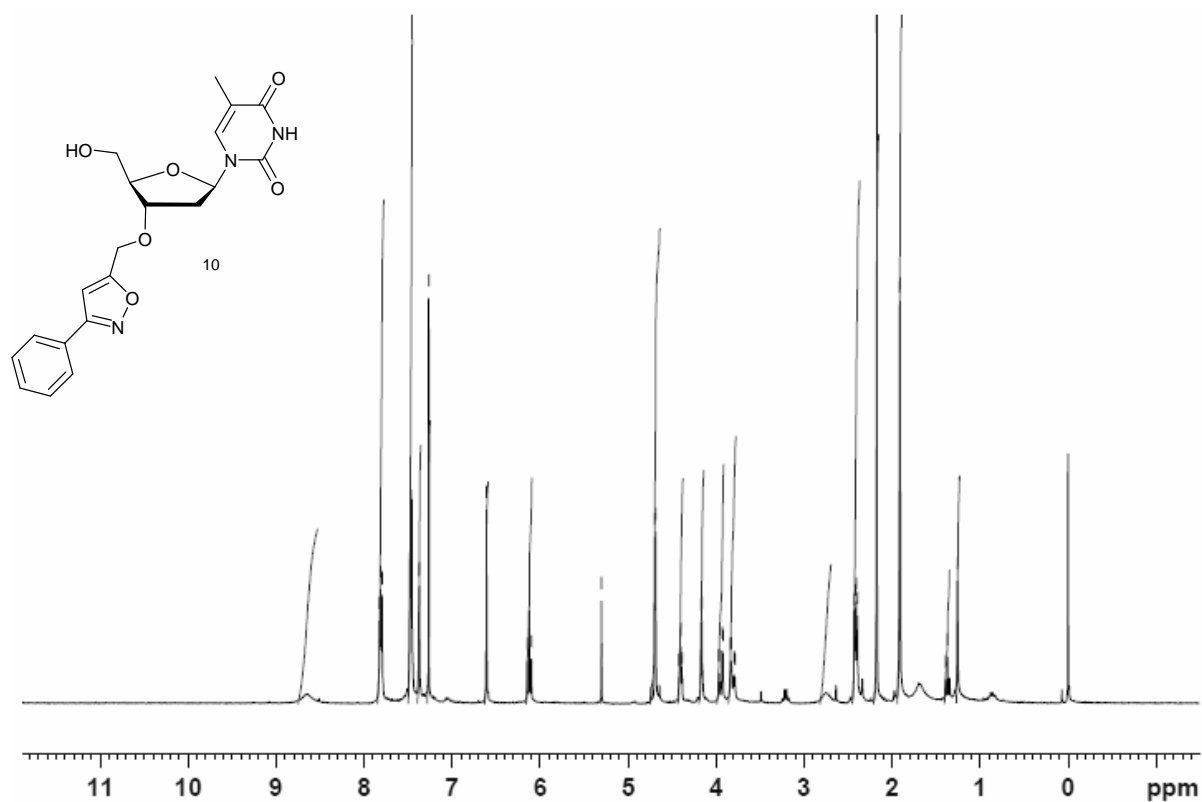
^1H NMR spectrum of **9**



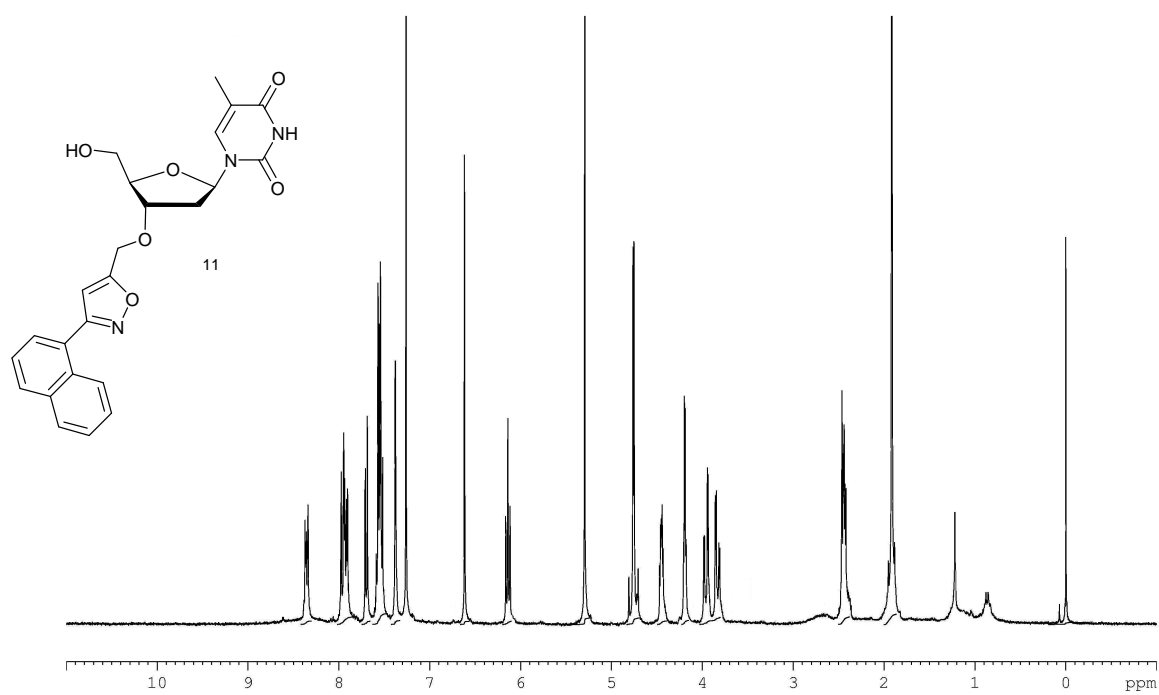
¹³C NMR spectrum of **9**



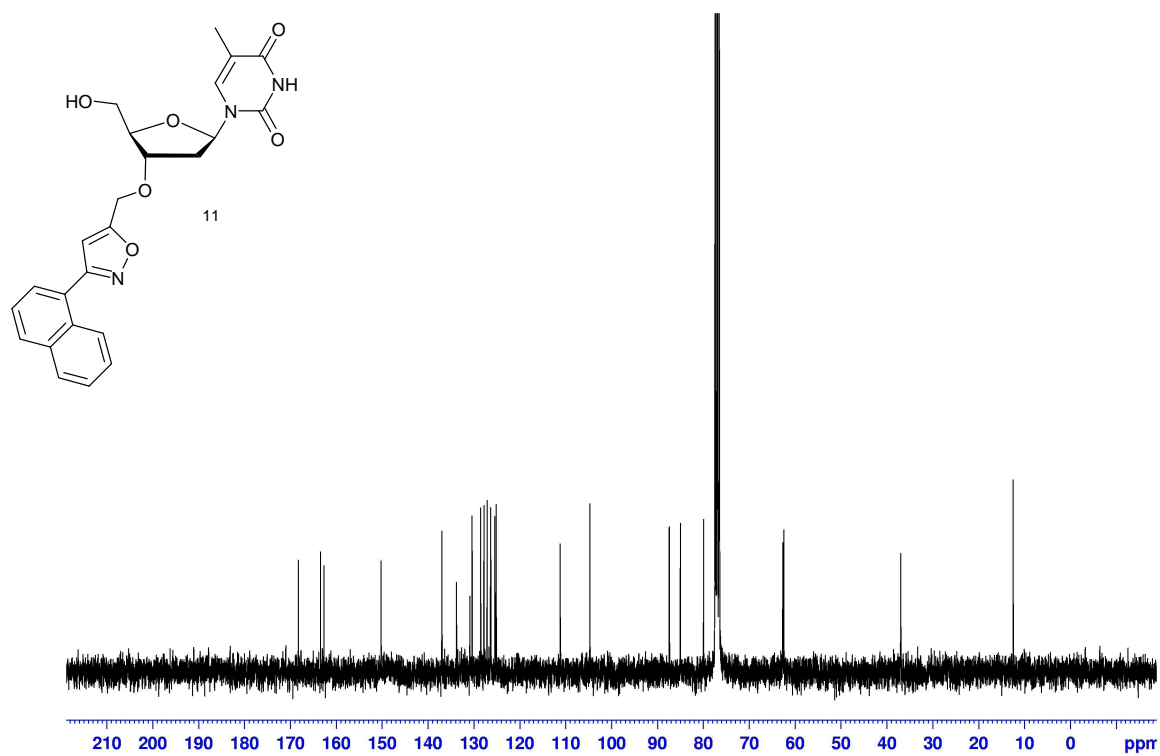
¹H NMR spectrum of **7**



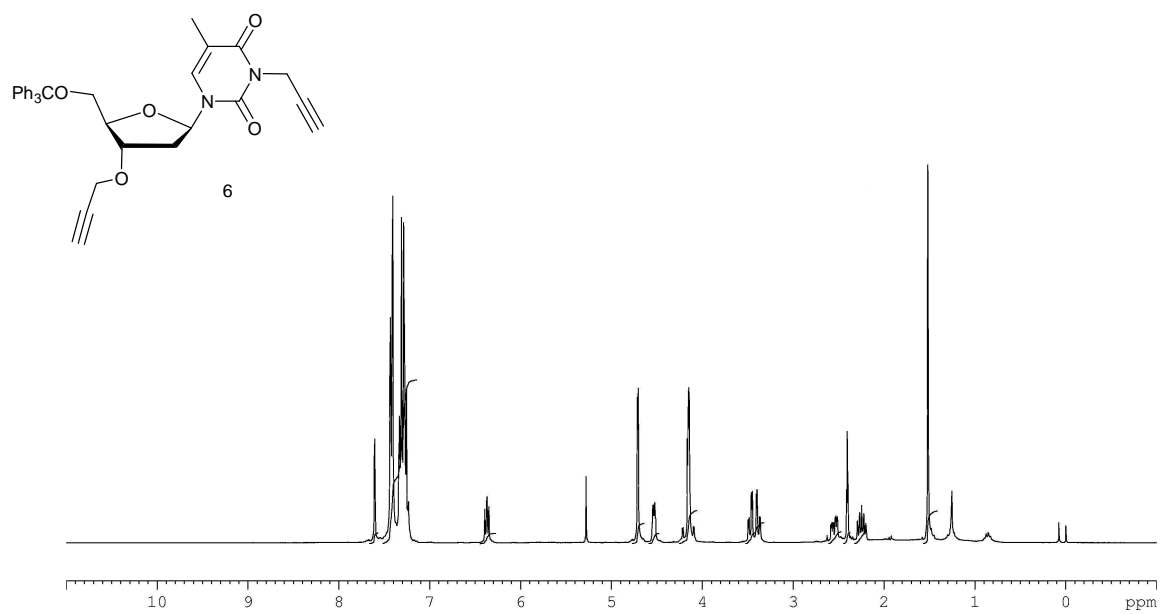
¹H NMR spectrum of **10**



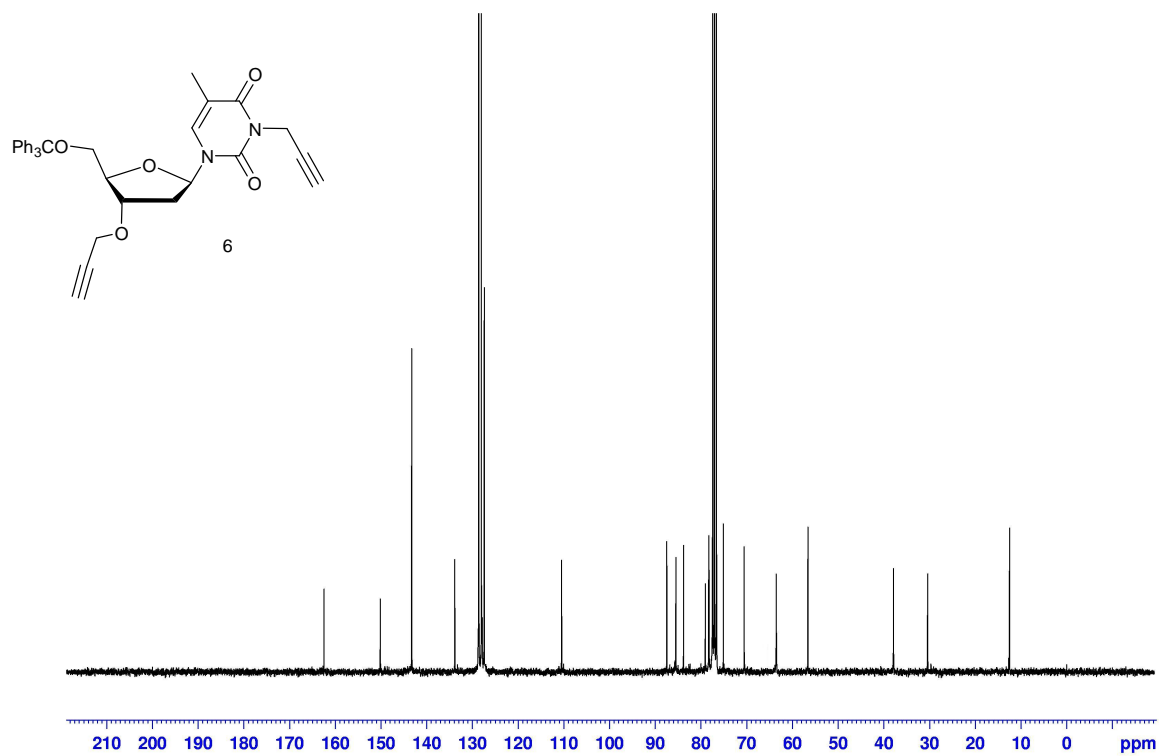
¹H NMR spectrum of **11**



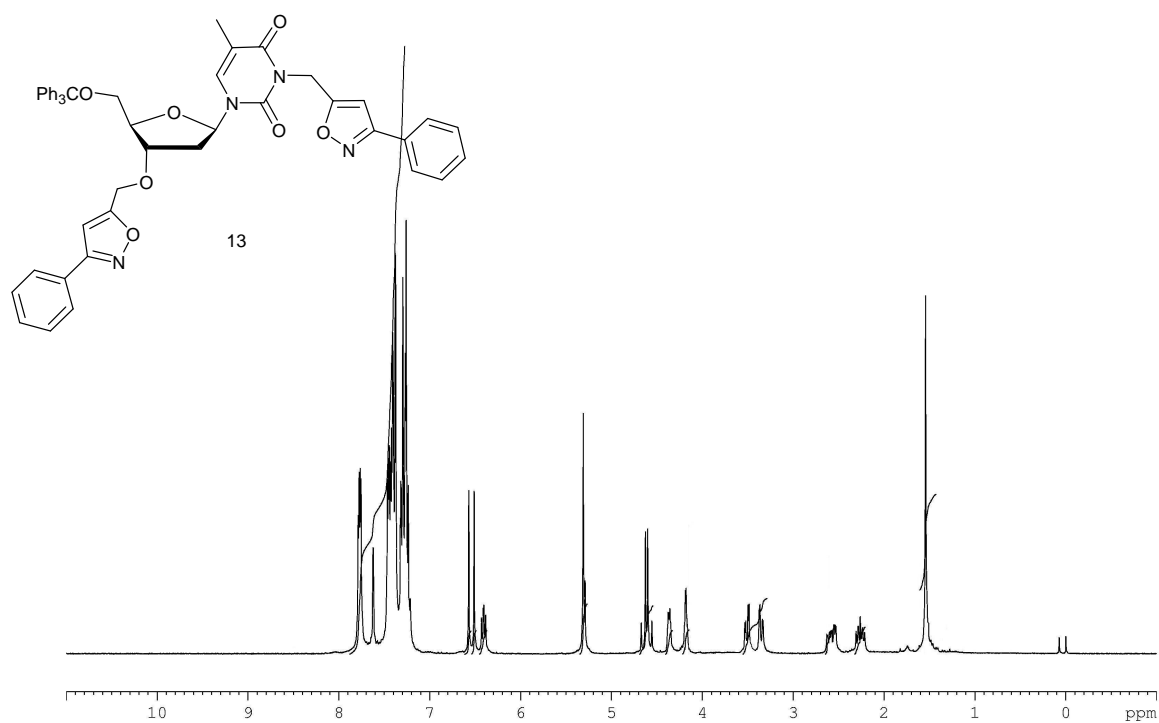
^{13}C NMR spectrum of **11**



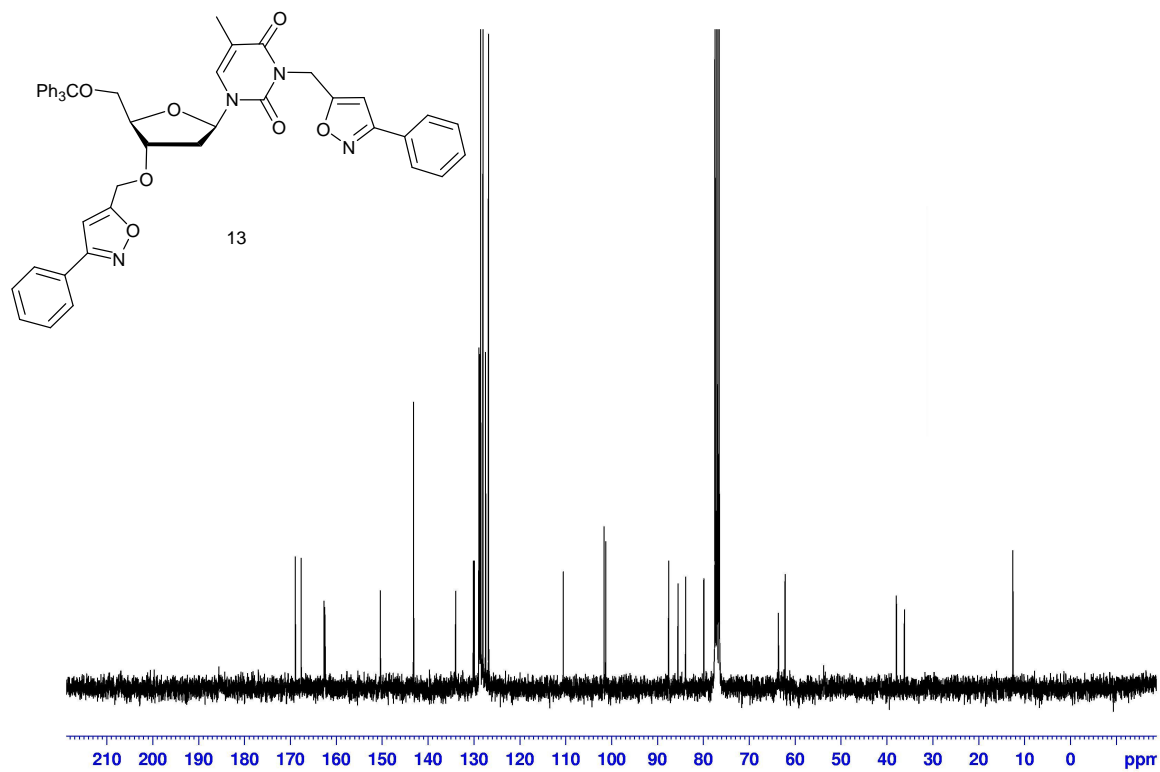
^1H NMR spectrum of **6**



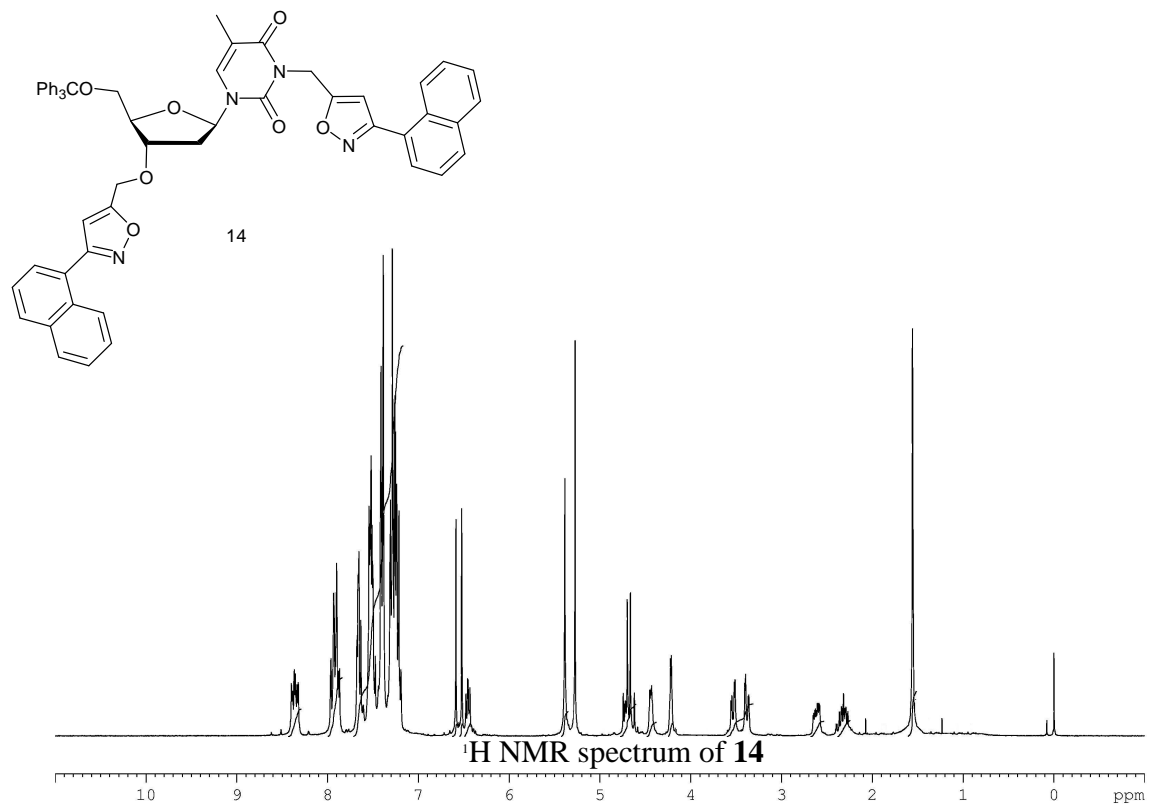
^{13}C NMR spectrum of **6**



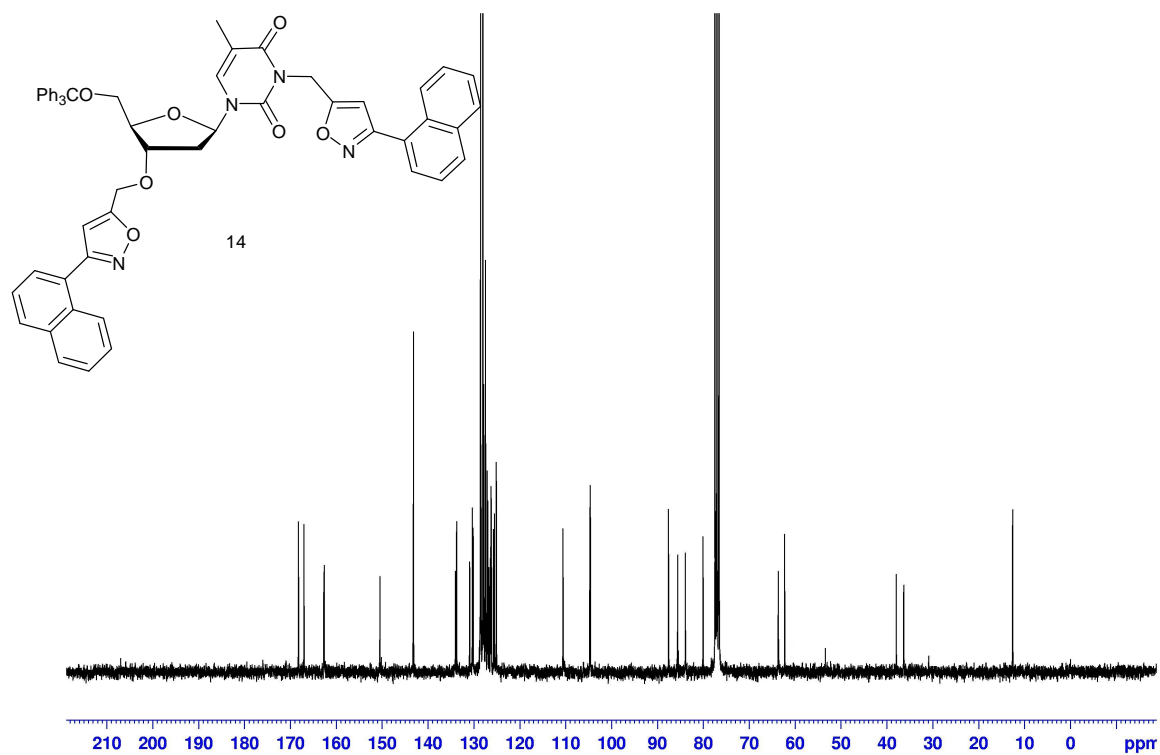
^1H NMR spectrum of **13**



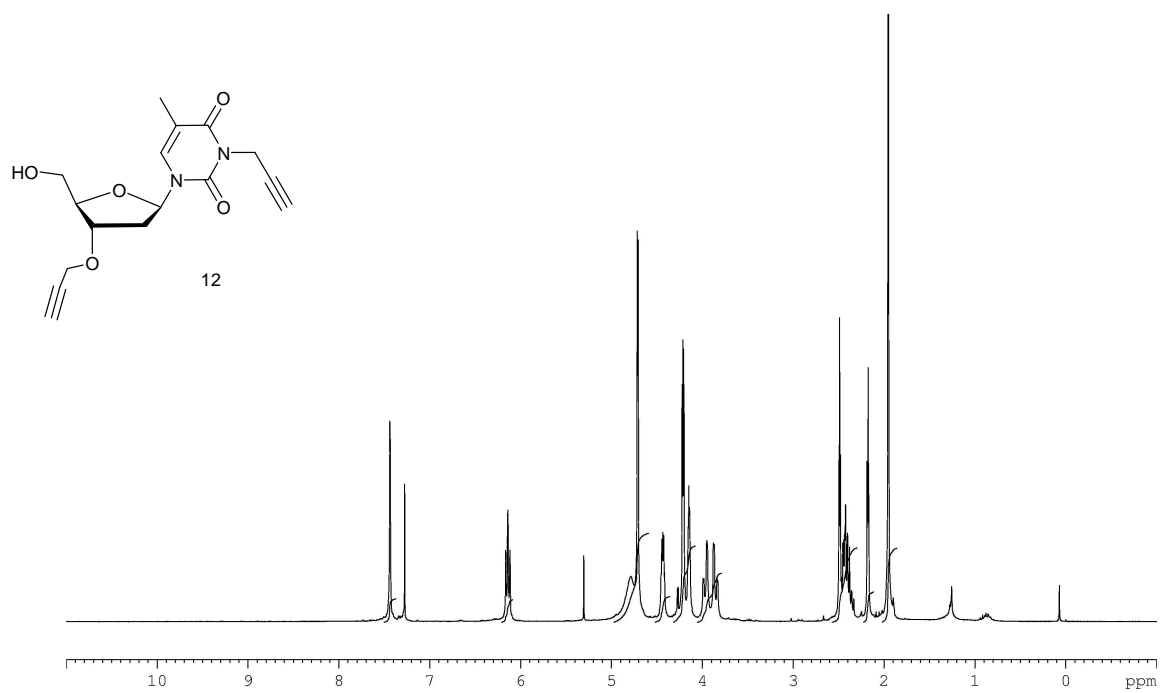
^{13}C NMR spectrum of **13**



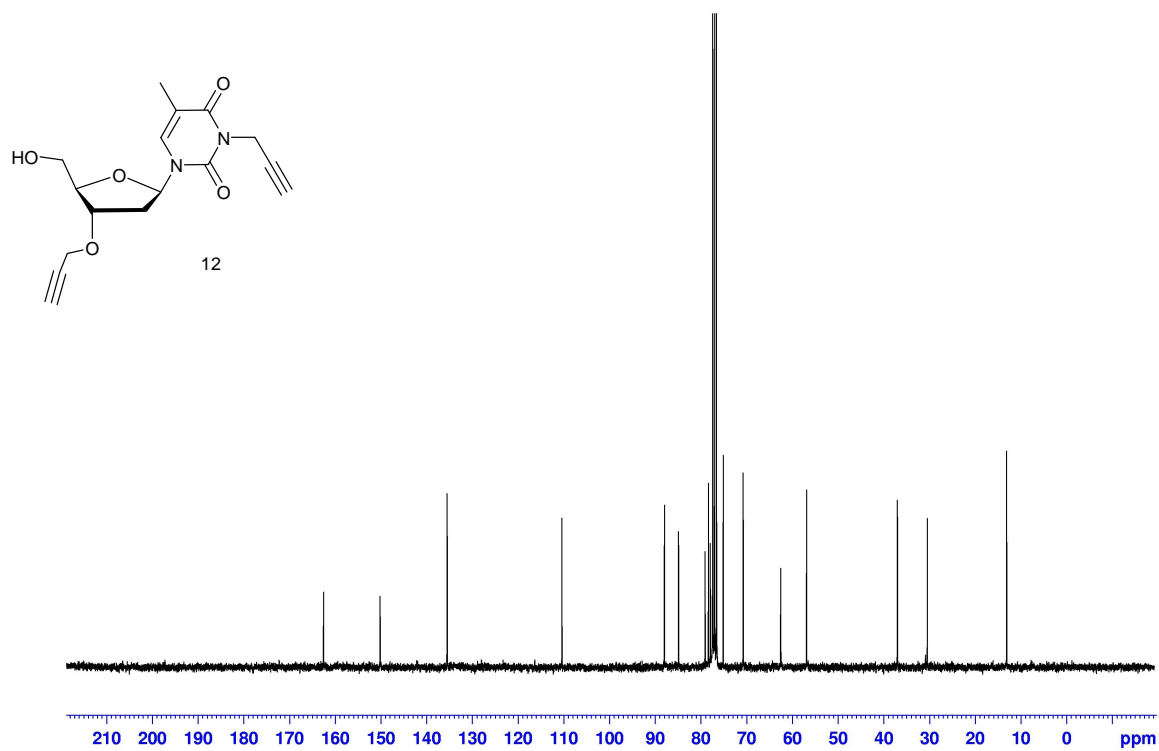
^1H NMR spectrum of **14**



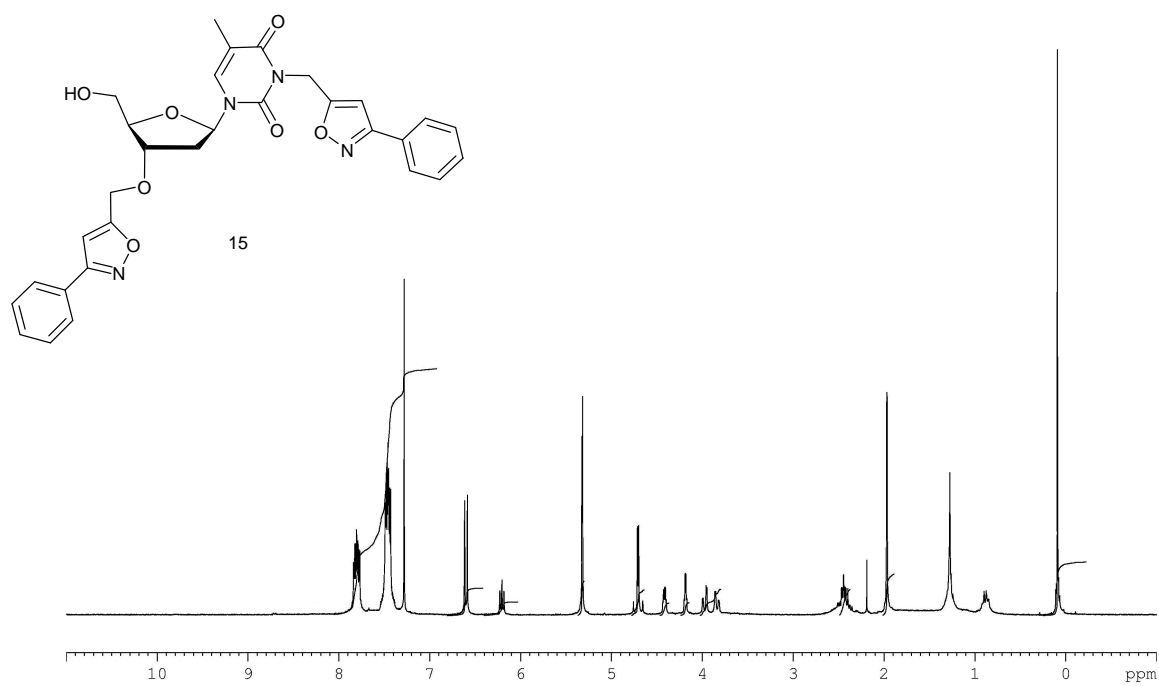
^{13}C NMR spectrum of **14**



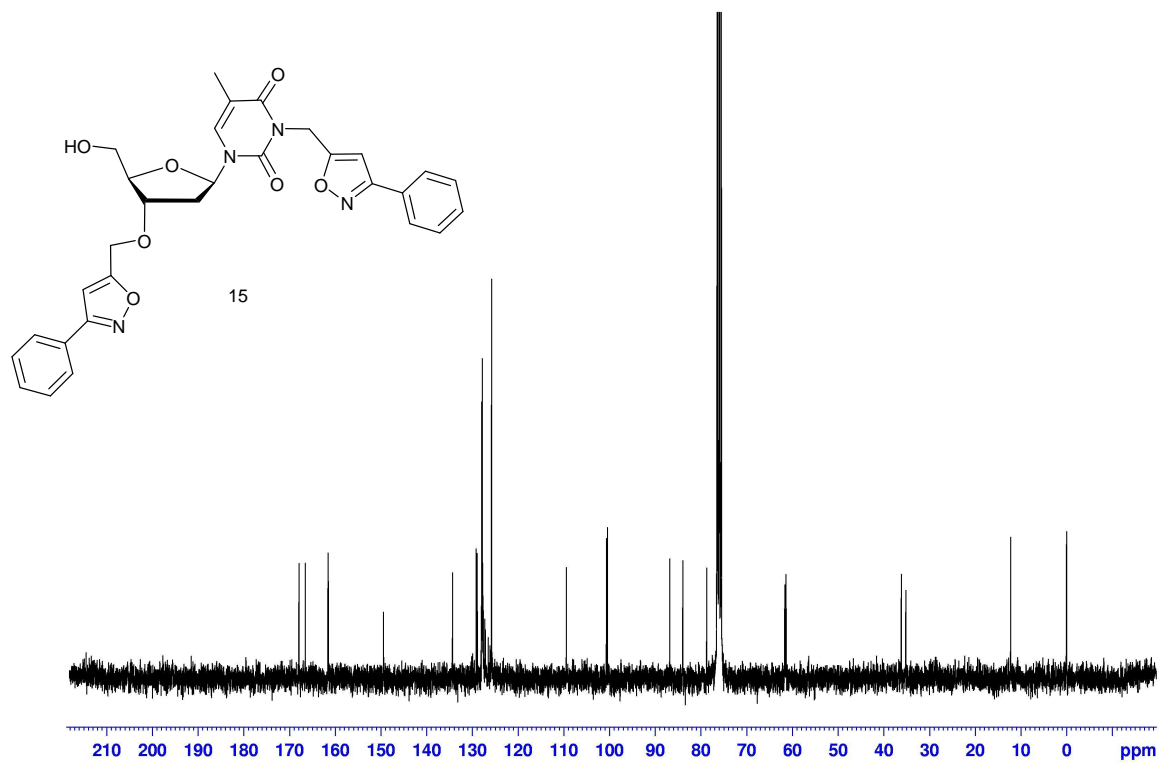
^1H NMR spectrum of **12**



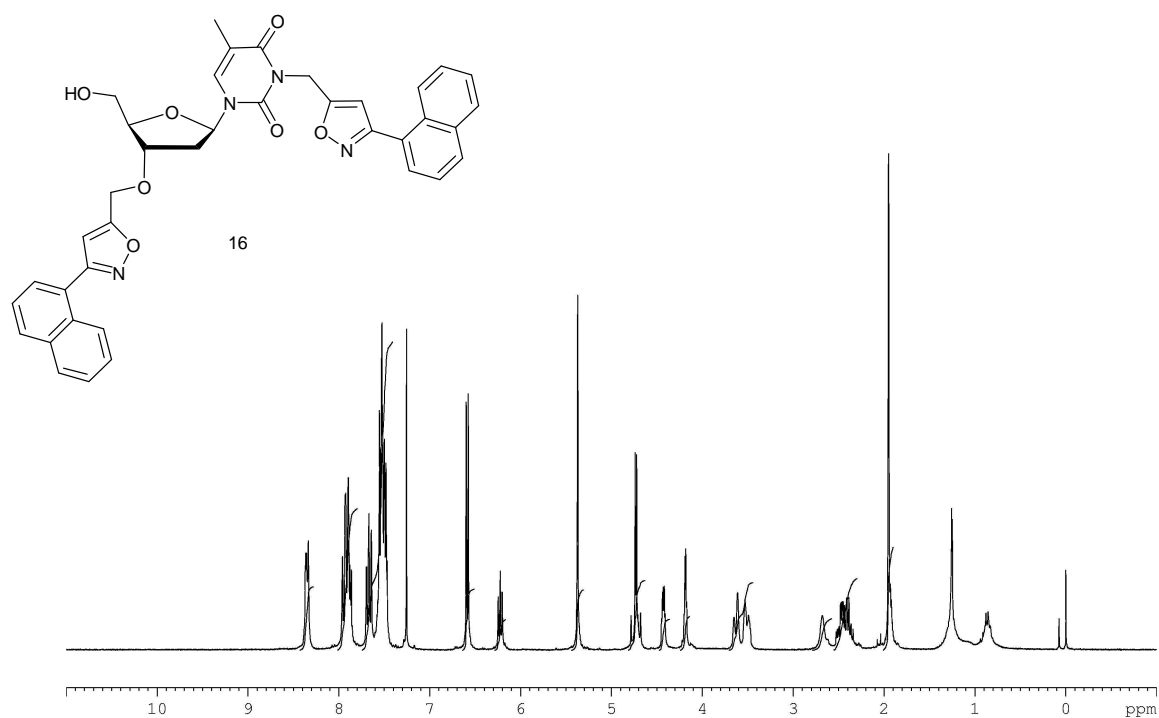
^{13}C NMR spectrum of **12**



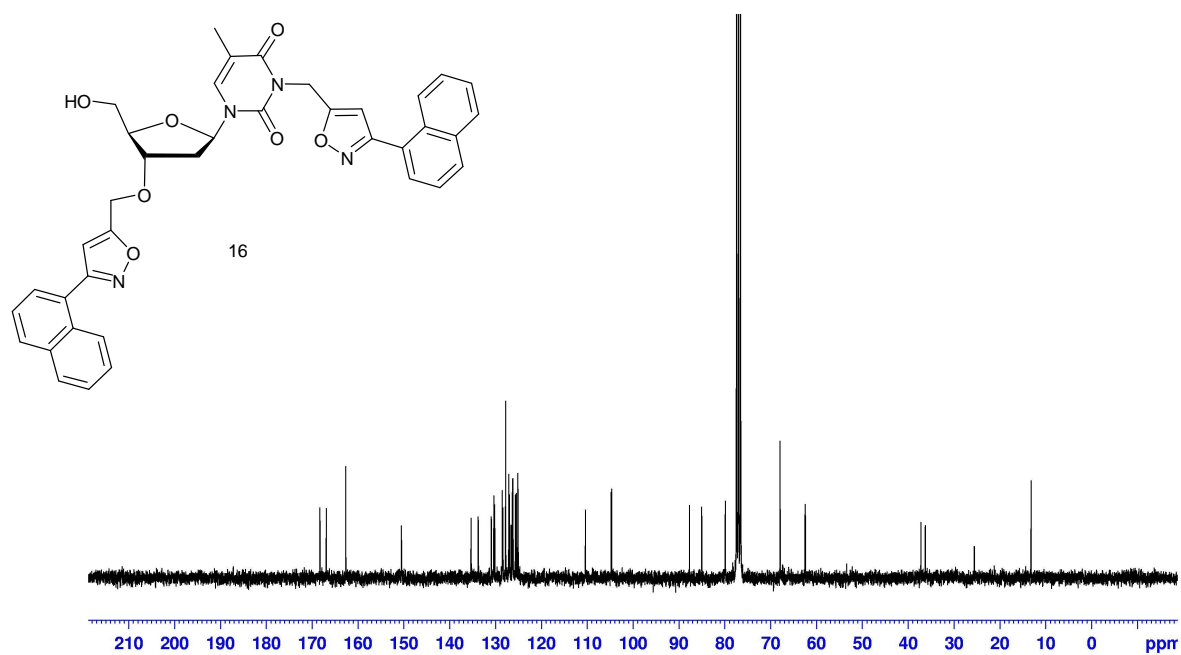
^1H NMR spectrum of **15**



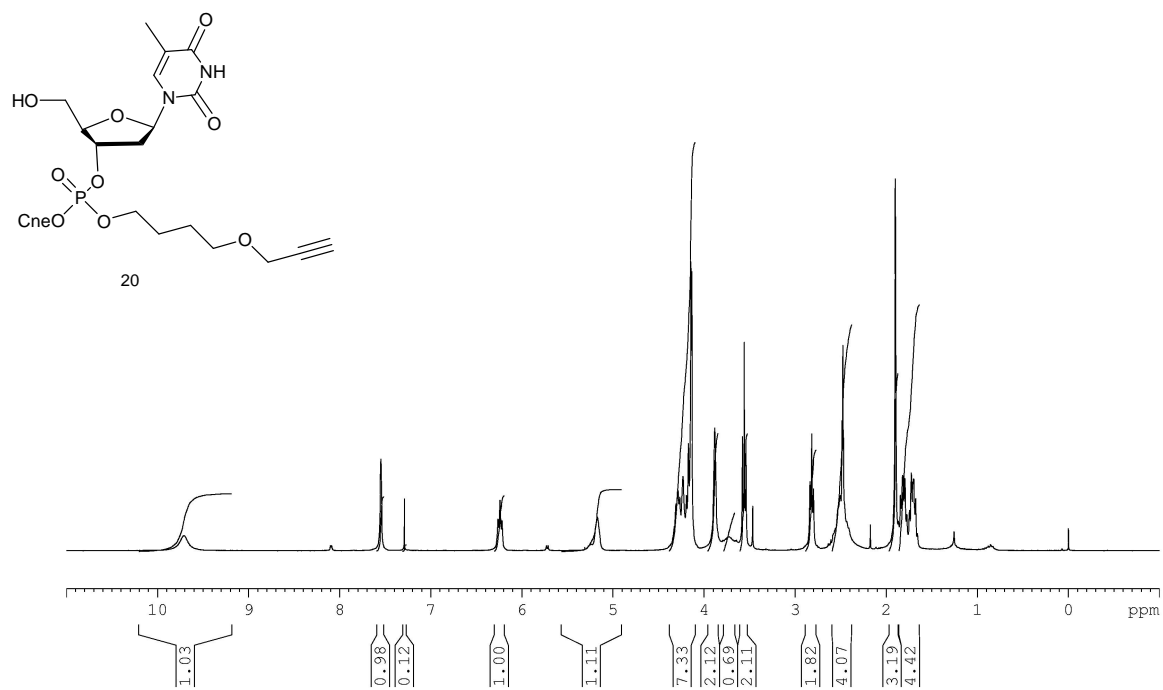
^{13}C NMR spectrum of **15**



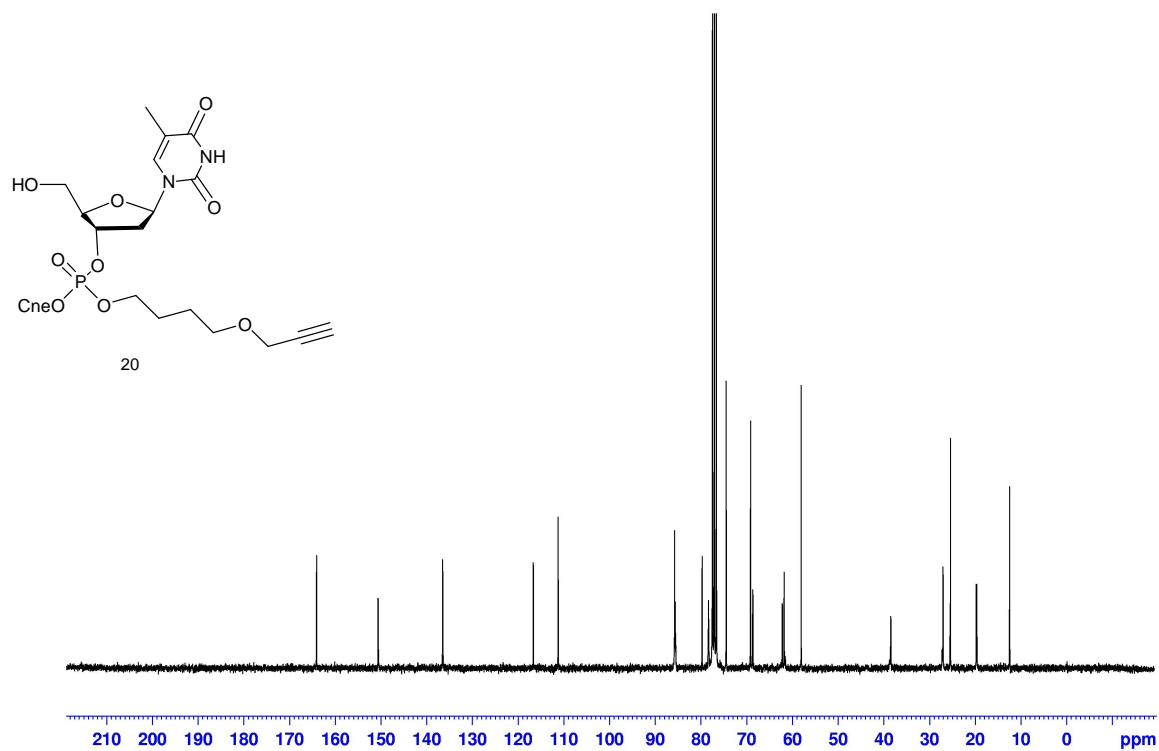
^1H NMR spectrum of **16**



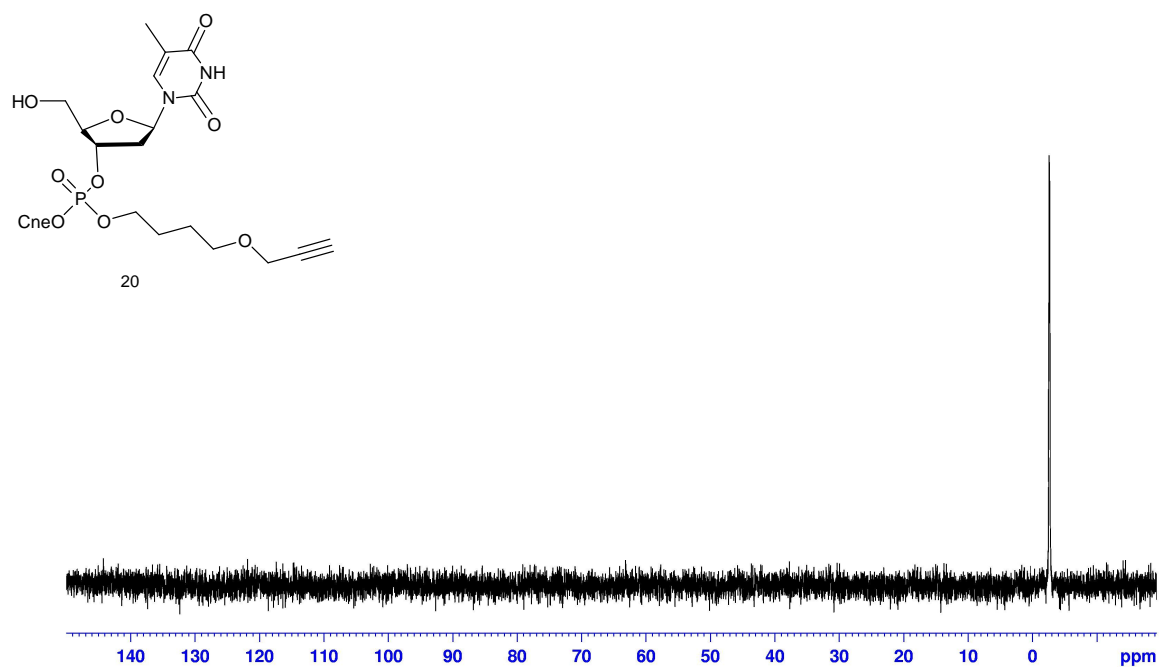
^{13}C NMR spectrum of **16**



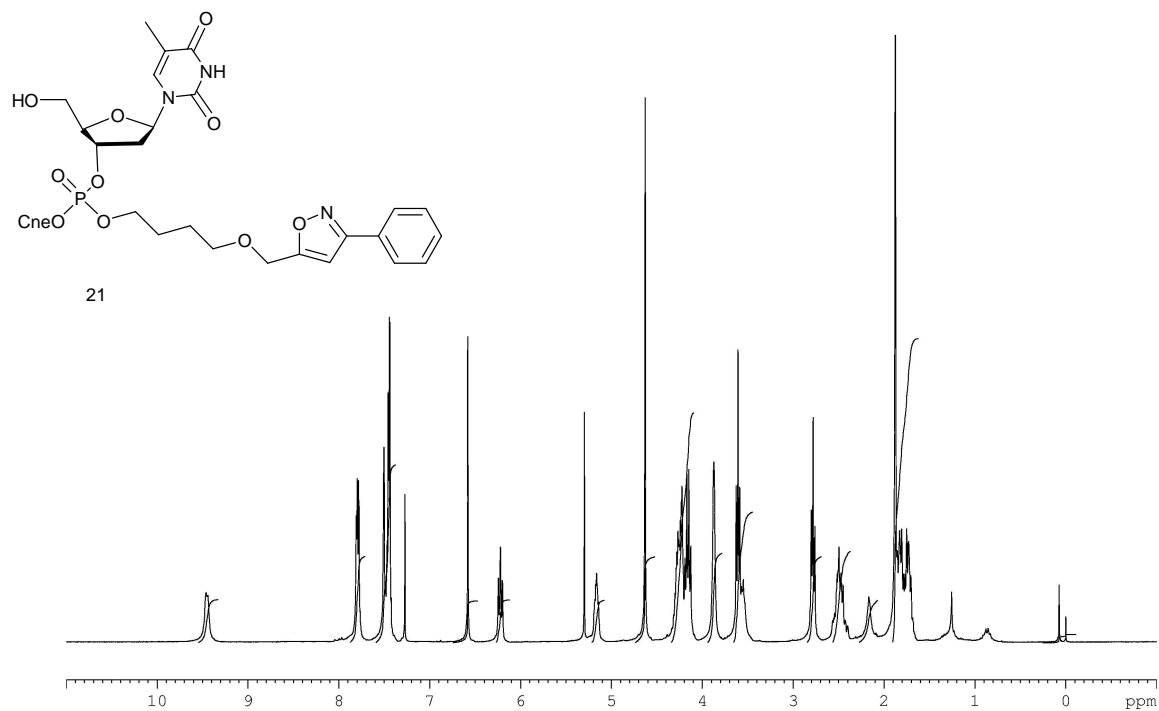
^1H NMR spectrum of **20**



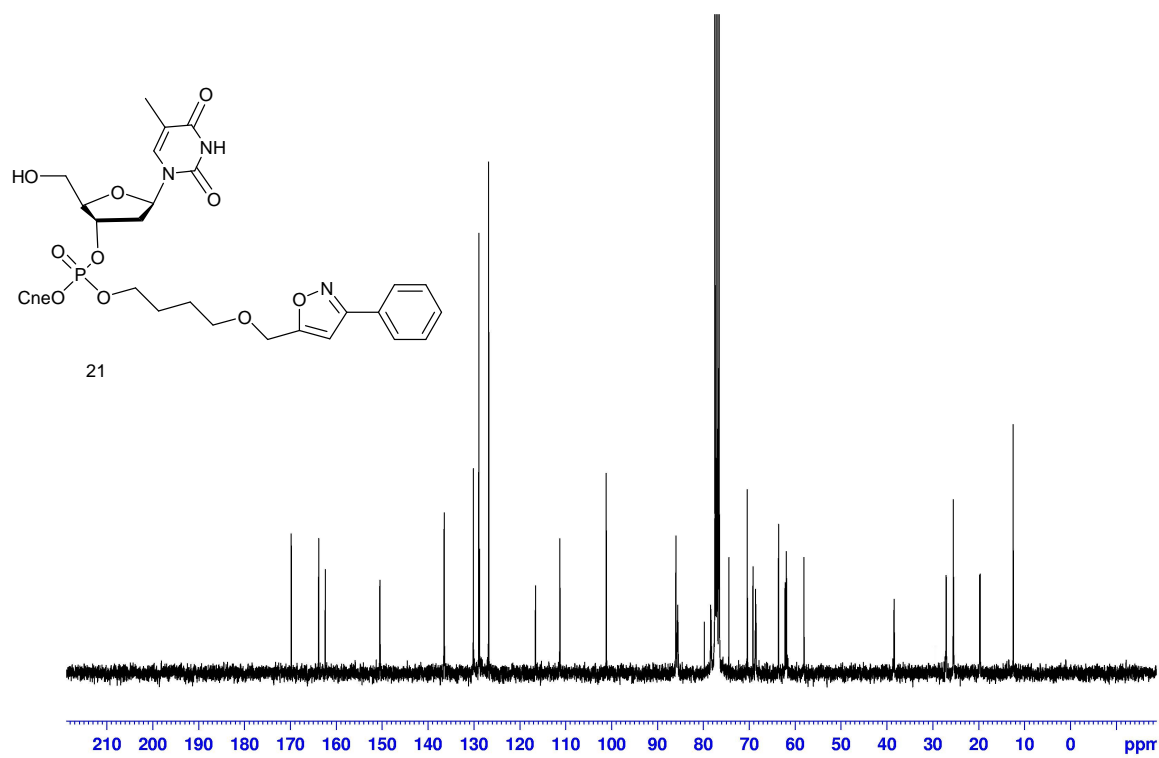
¹³C NMR spectrum of **20**



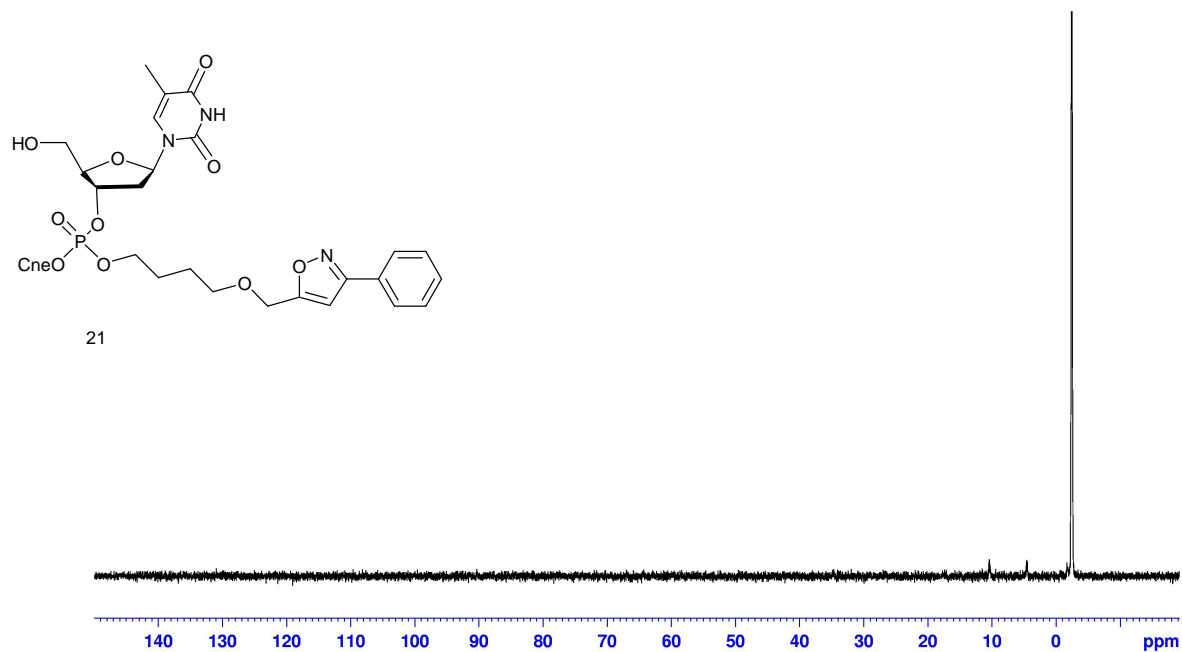
³¹P NMR spectrum of **20**



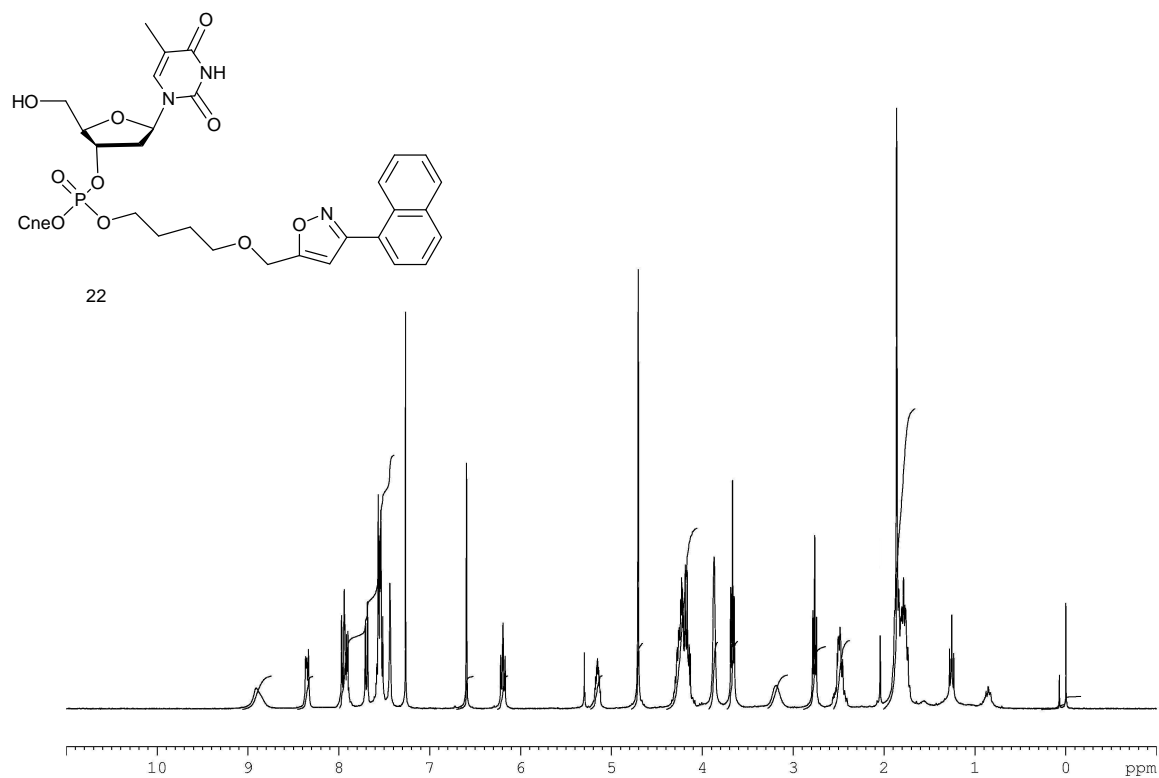
¹H NMR spectrum of **21**



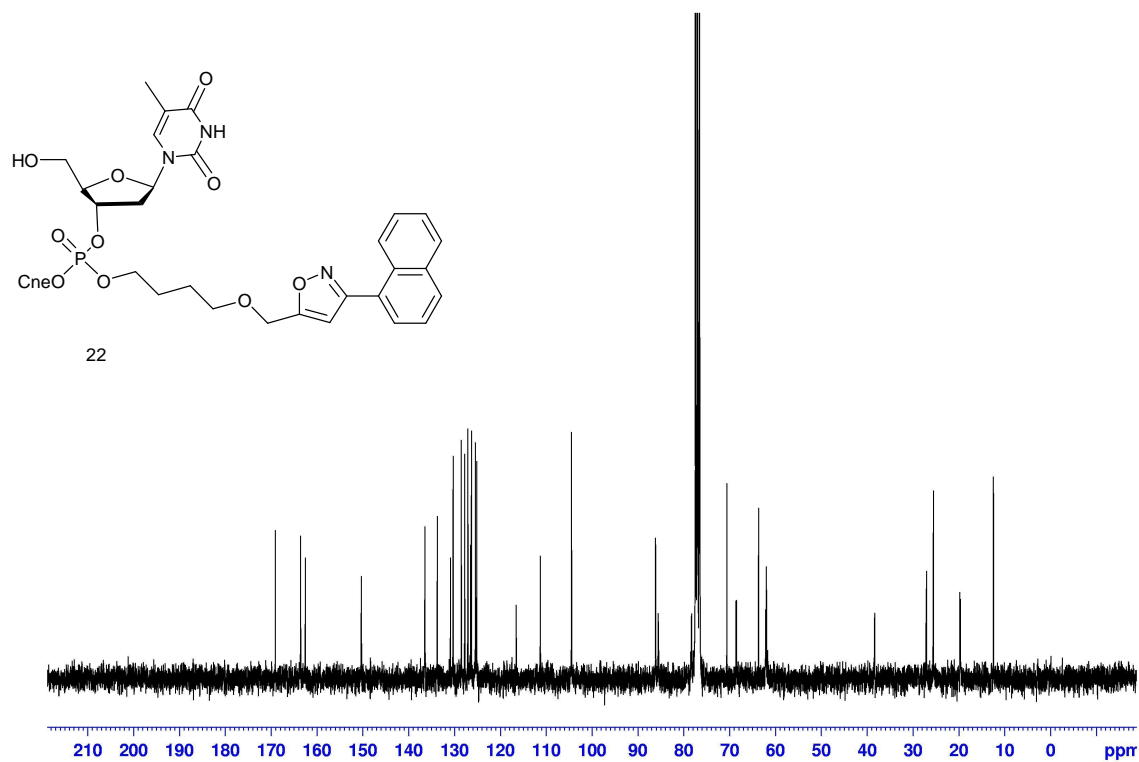
¹³C NMR spectrum of **21**



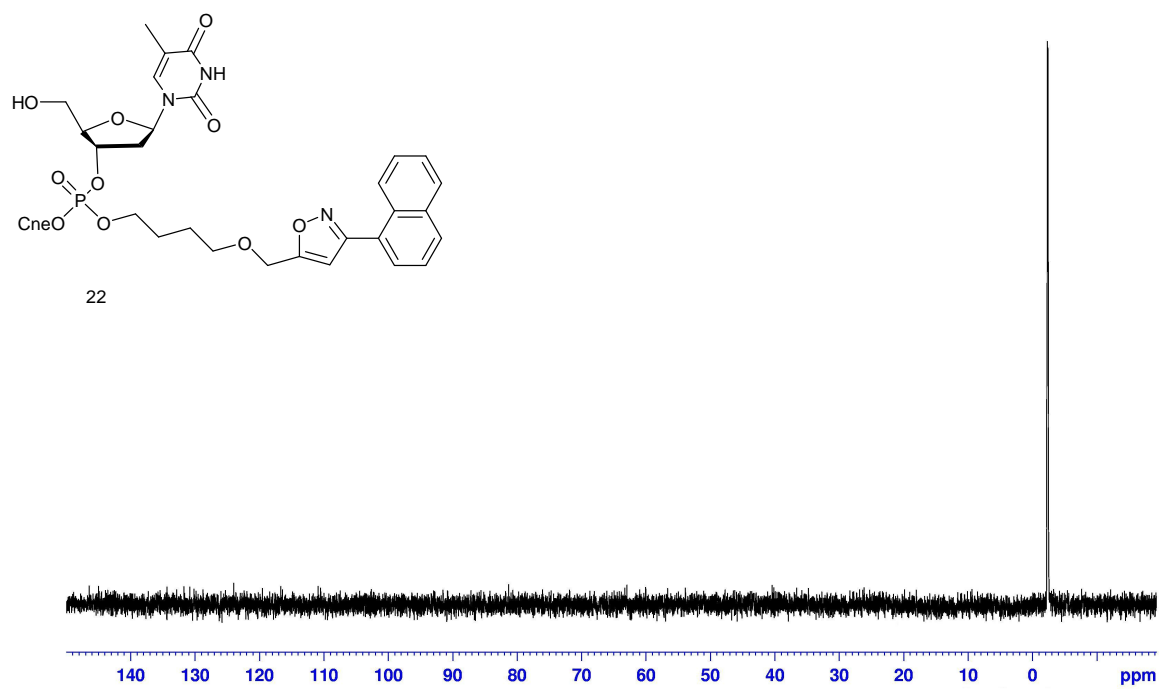
^{31}P NMR spectrum of **21**



^1H NMR spectrum of **22**



¹³C NMR spectrum of 22



³¹P NMR spectrum of 22