

Supporting Information
for
Synthesis of the C8'-epimeric thymine pyranosyl amino
acid core of amipurimycin

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Copies of NMR spectra

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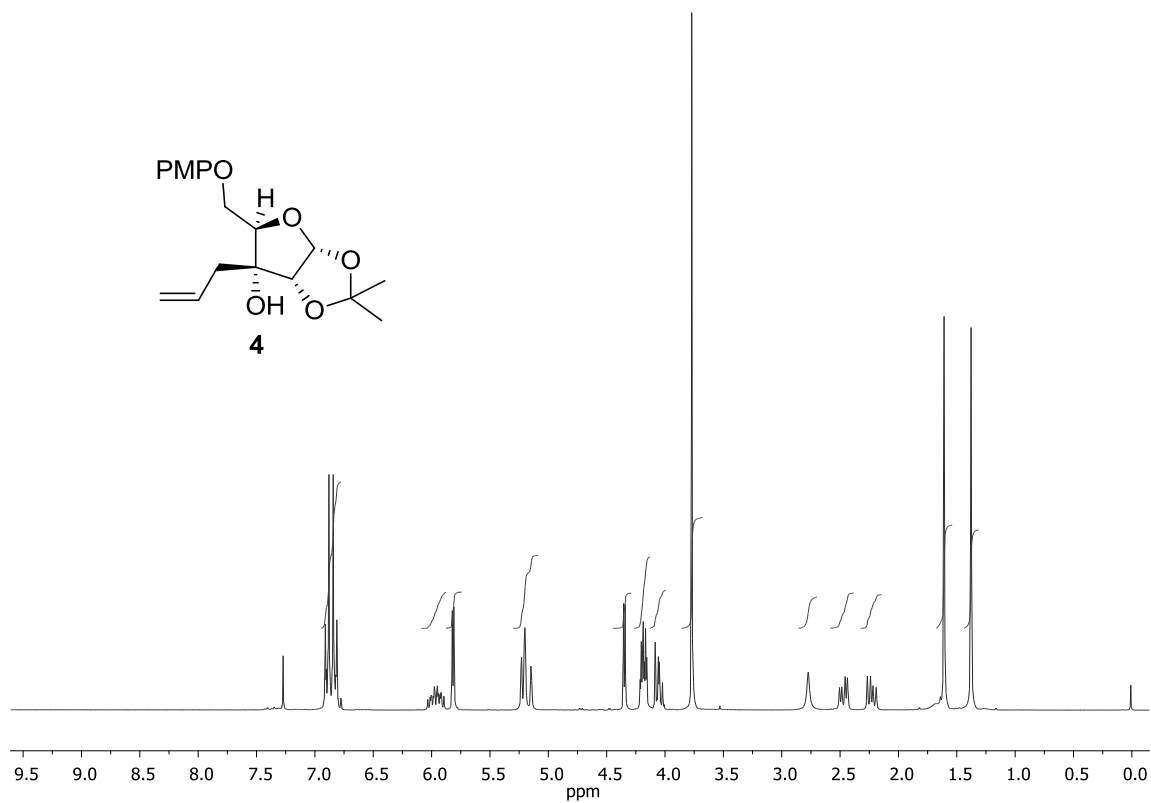


Figure 1: ^1H NMR (300 MHz, CDCl_3) spectrum of compound **4**.

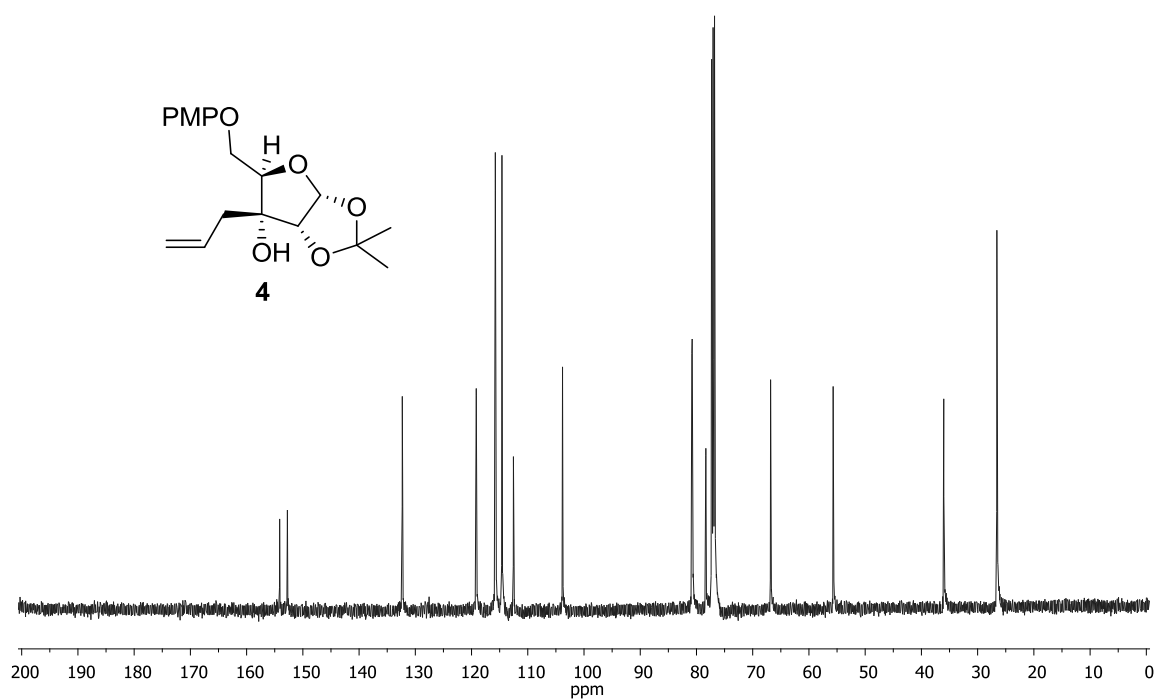


Figure 2: ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound **4**.

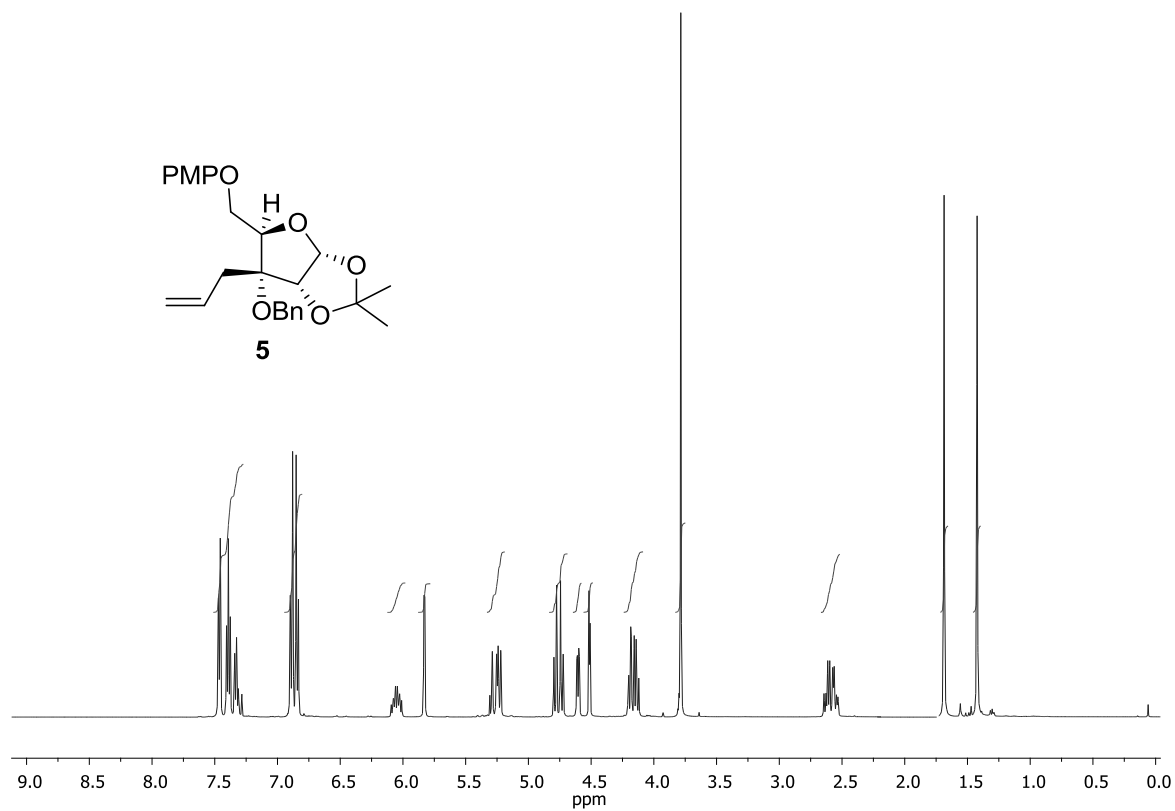


Figure 3: ^1H NMR (500 MHz, CDCl_3) spectrum of compound **5**.

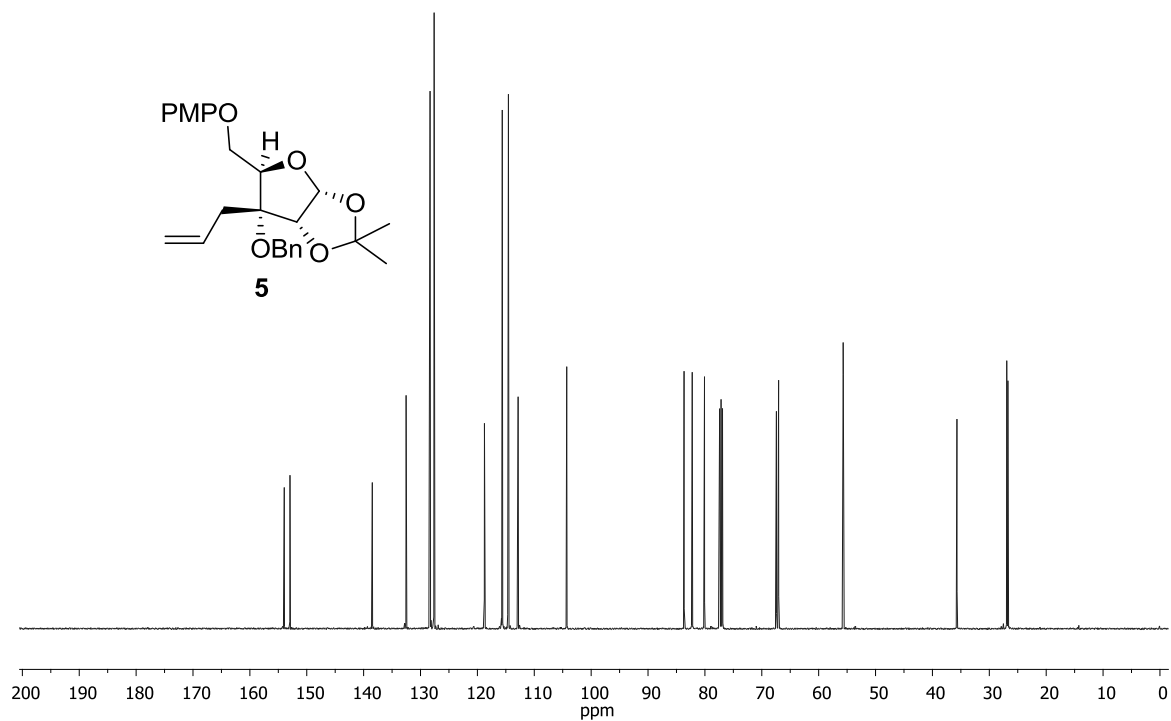


Figure 4: ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound **5**.

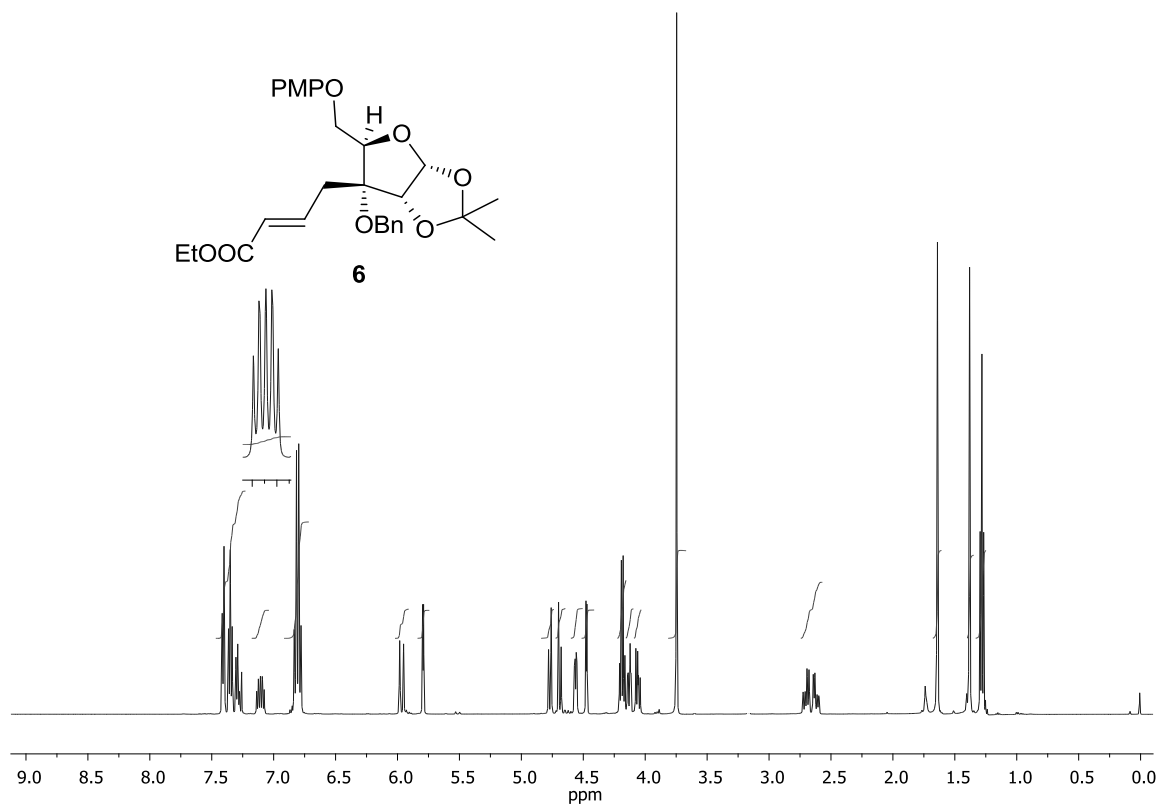


Figure 5: ^1H NMR (500 MHz, CDCl_3) spectrum of compound **6**

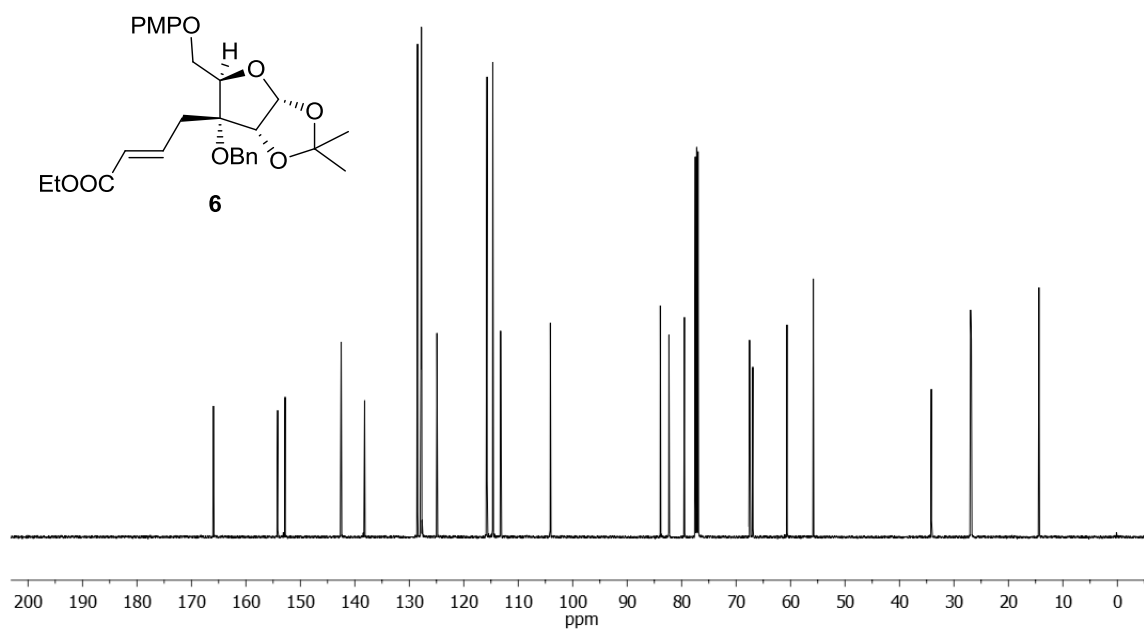


Figure 6: ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound **6**

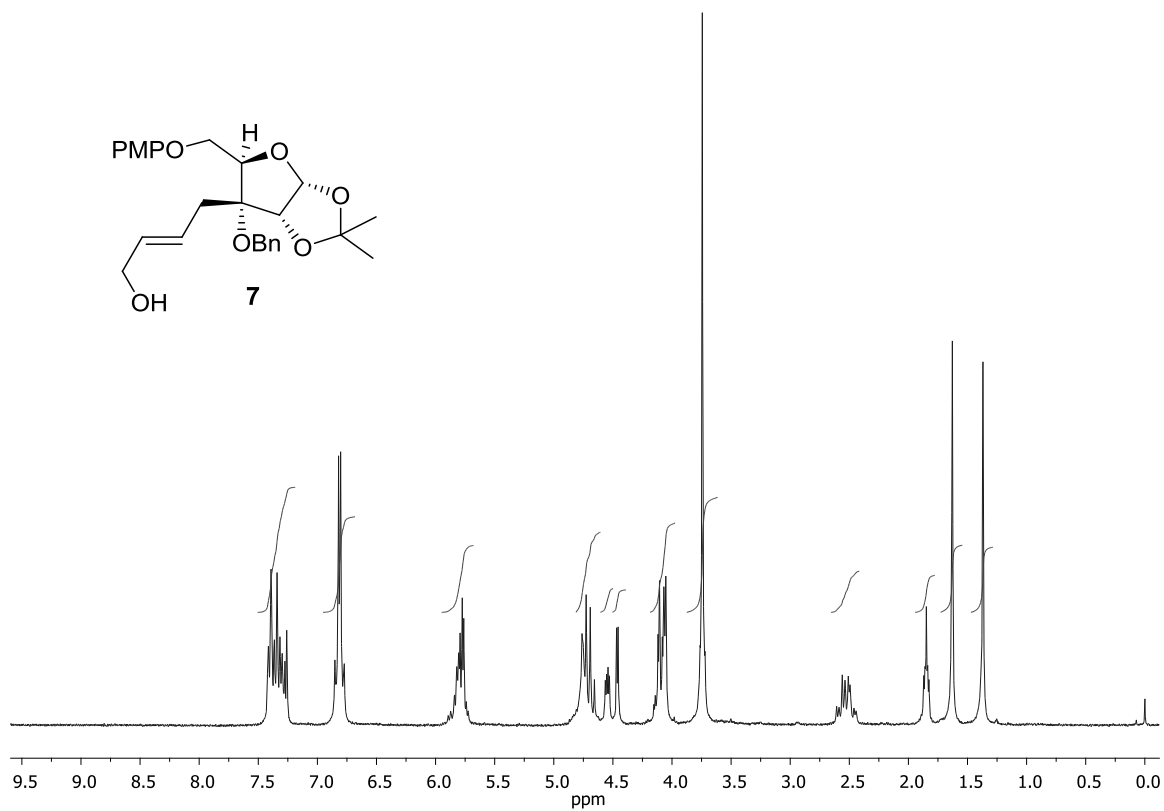


Figure 7: ^1H NMR (300 MHz, CDCl_3) spectrum of compound **7**

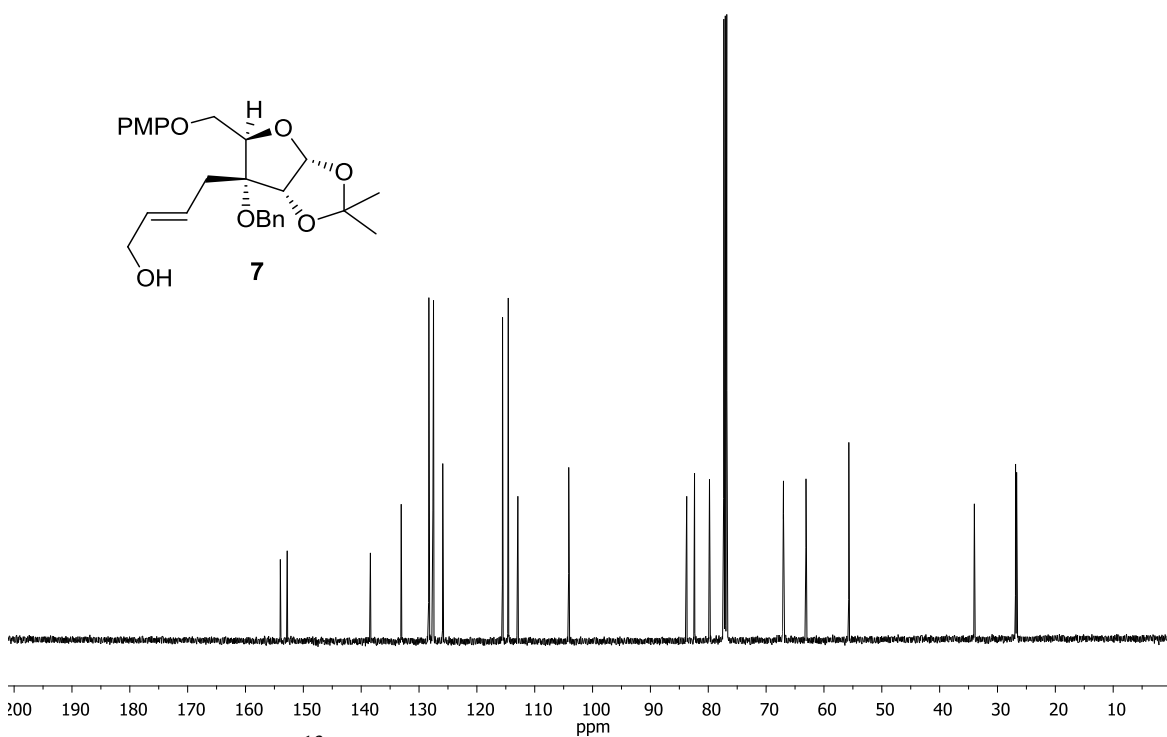


Figure 8: ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound **7**

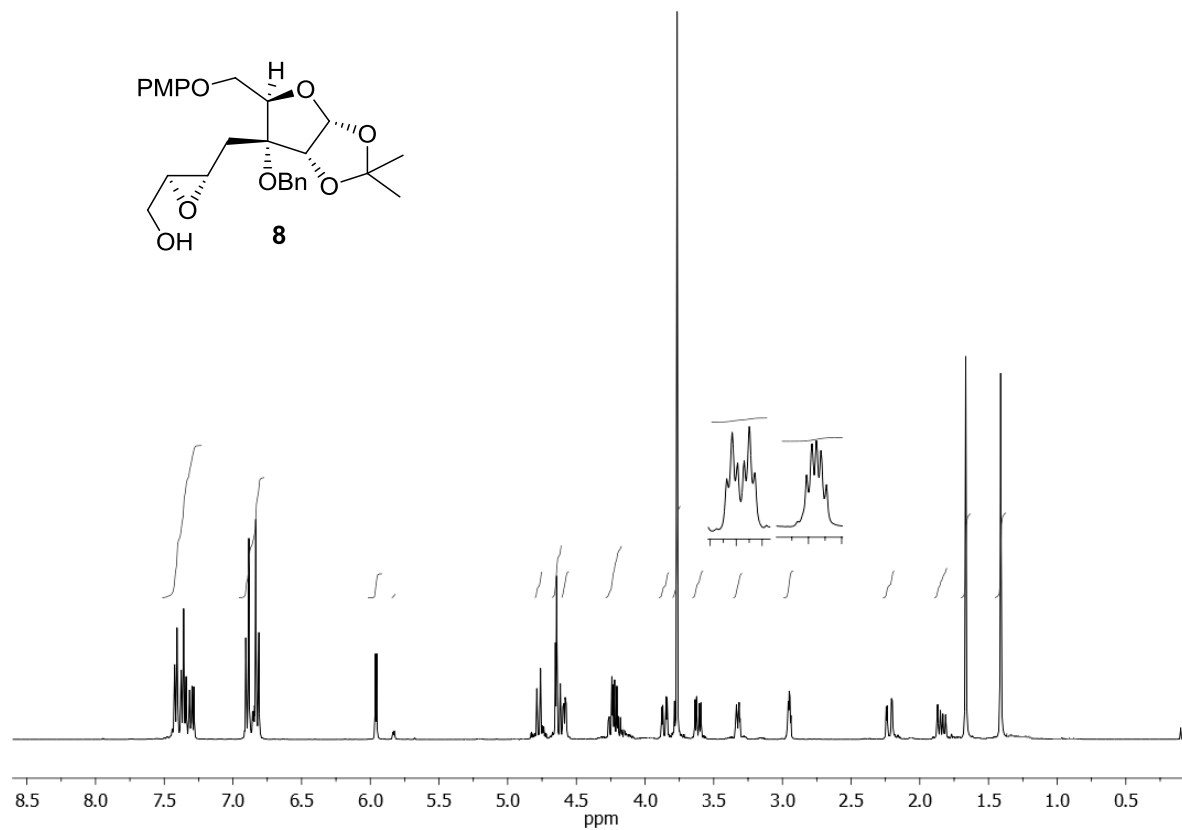


Figure 9: ^1H NMR (400 MHz, CDCl_3) spectrum of compound **8**

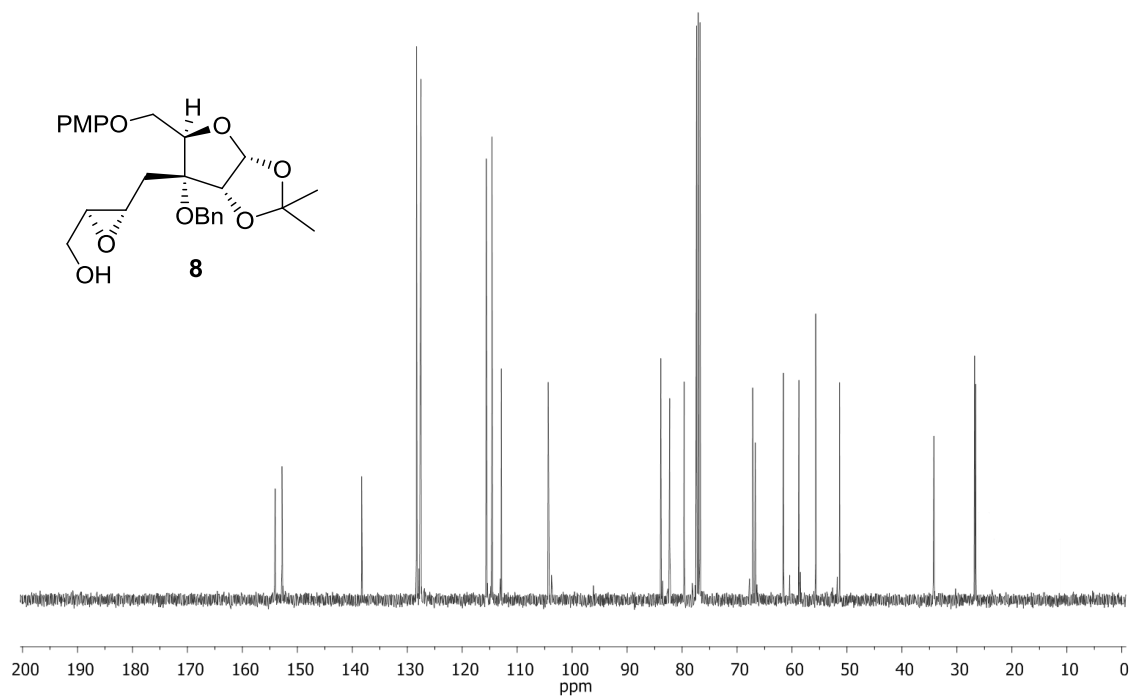


Figure 10: ^{13}C NMR (100 MHz, CDCl_3) spectrum of compound **8**

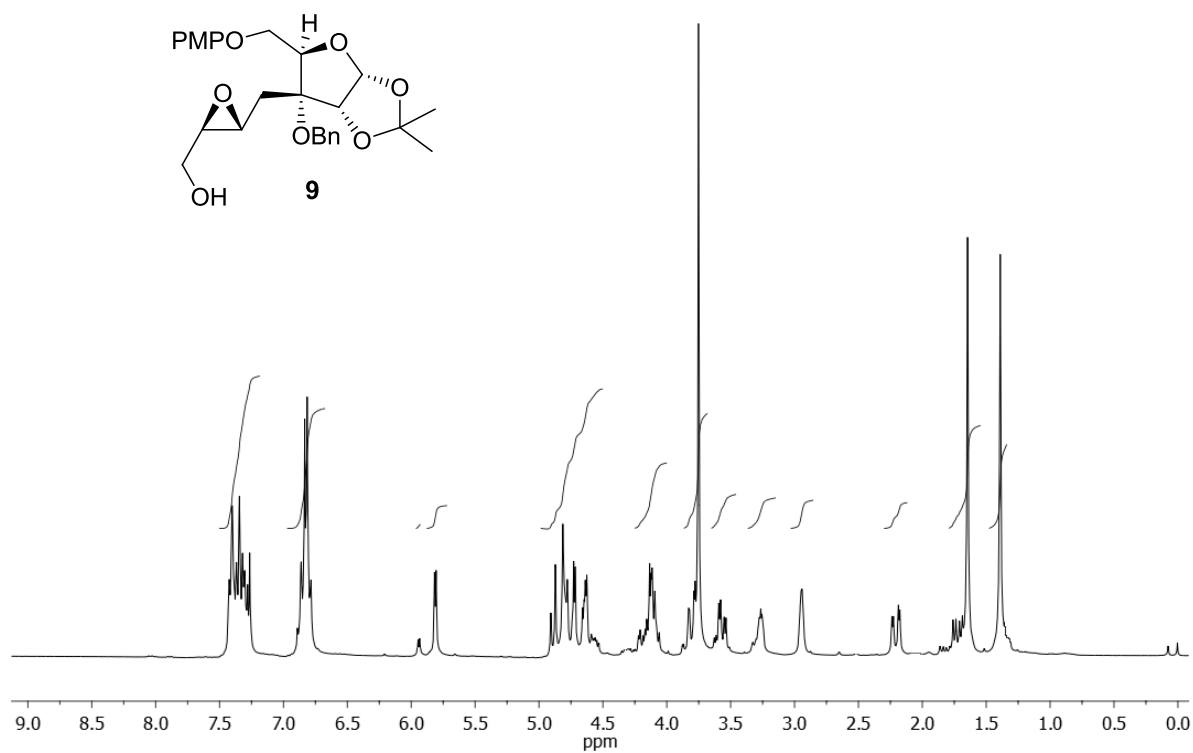


Figure 11: ¹H NMR (300 MHz, CDCl₃) spectrum of compound **9**

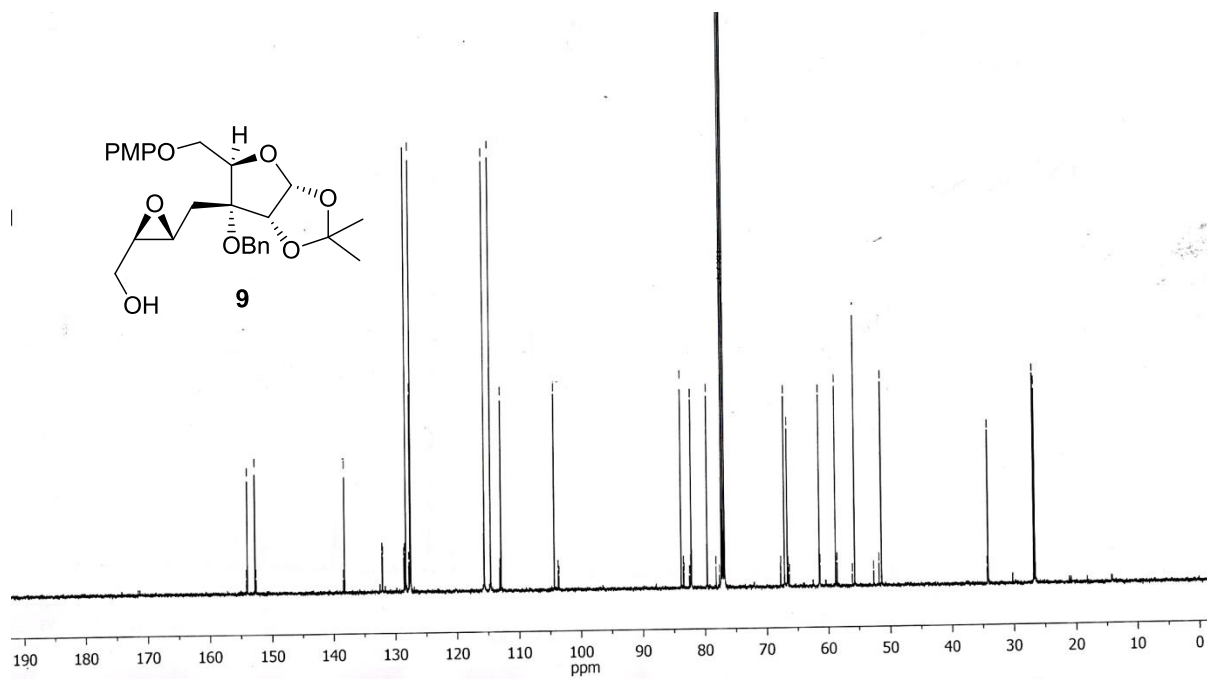


Figure 12: ¹³C NMR (125 MHz, CDCl₃) spectrum of compound **9**

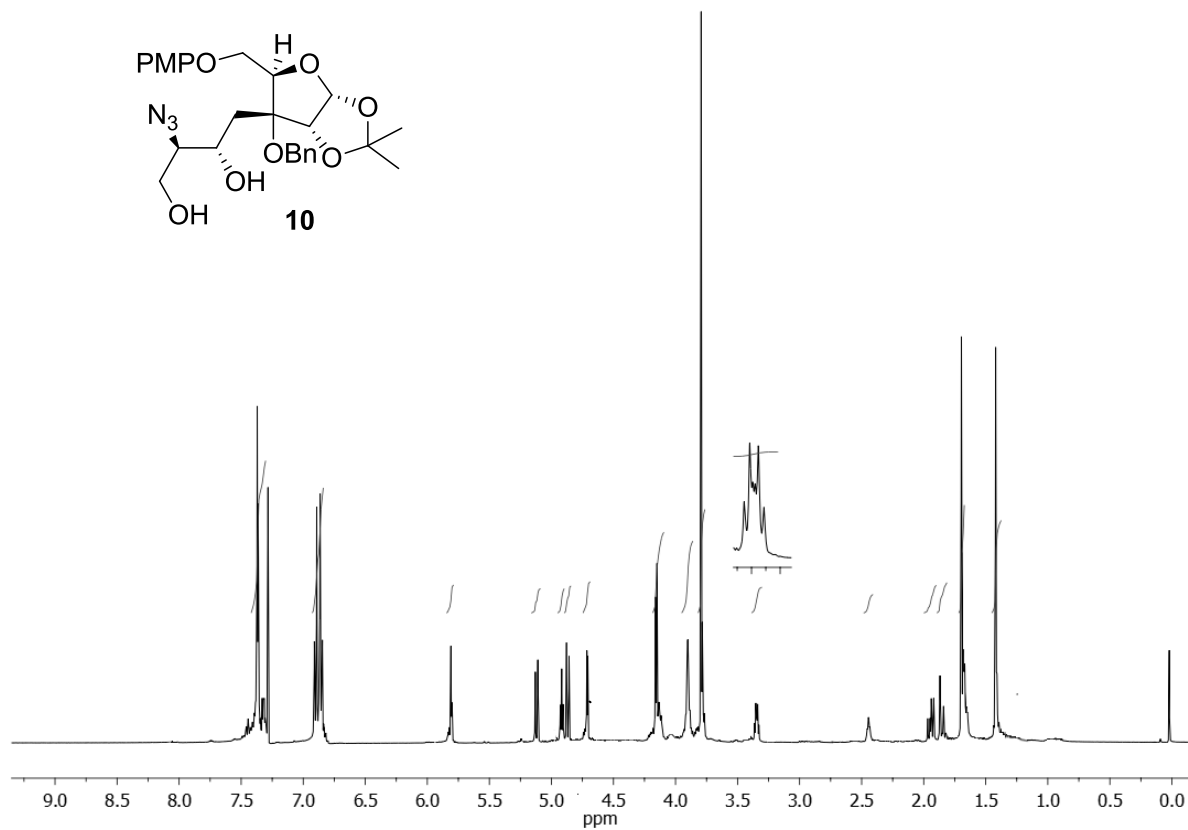


Figure 13: ¹H NMR (500 MHz, CDCl₃) spectrum of compound **10**

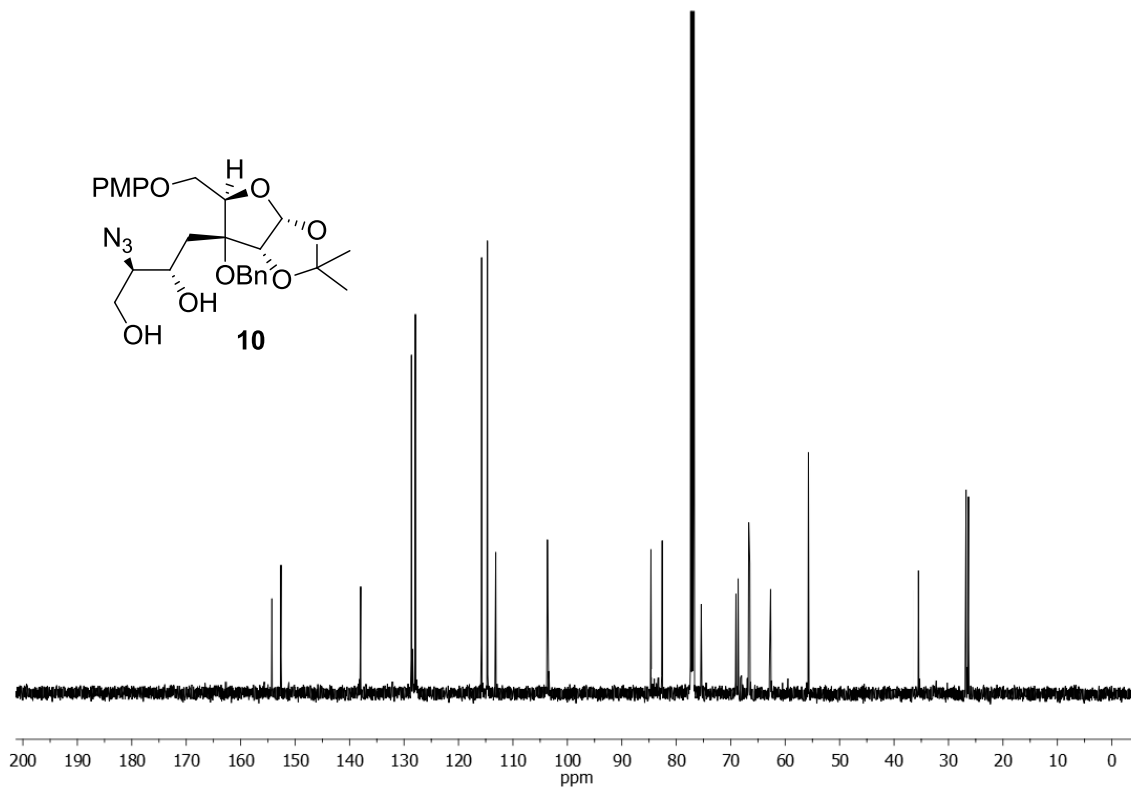


Figure 14: ¹³C NMR (125 MHz, CDCl₃) spectrum of compound **10**

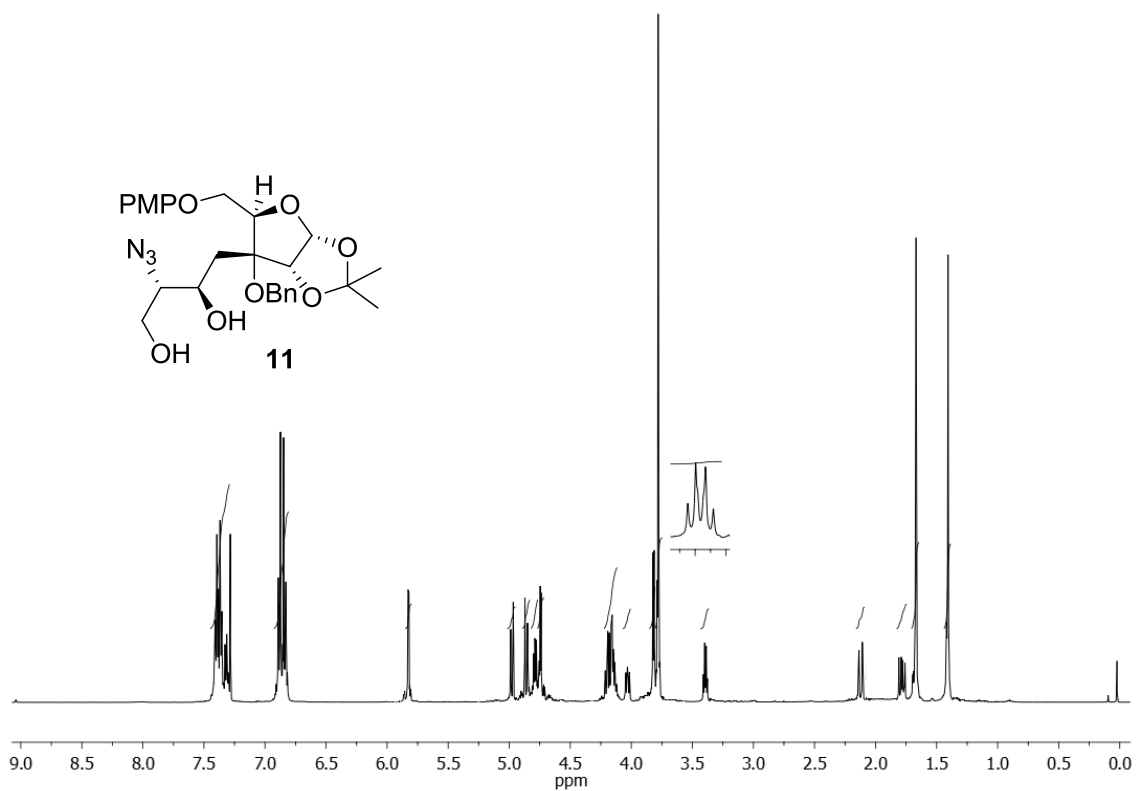


Figure 15: ^1H NMR (500 MHz, CDCl_3) spectrum of compound **11**

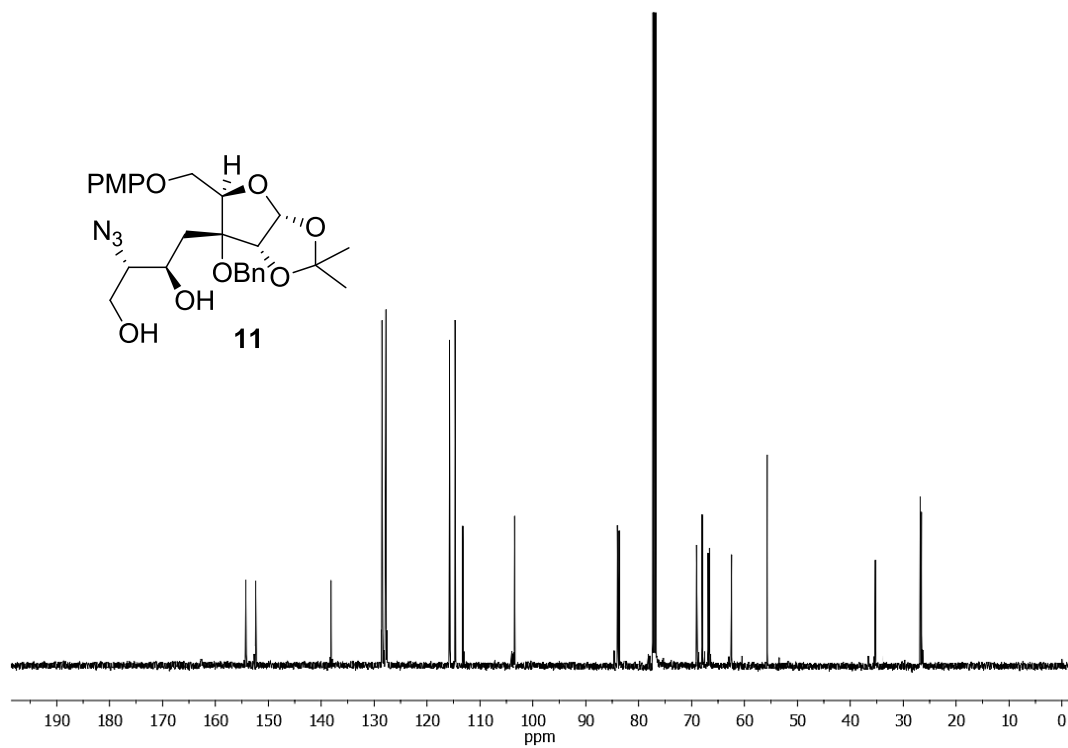


Figure 16: ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound **11**

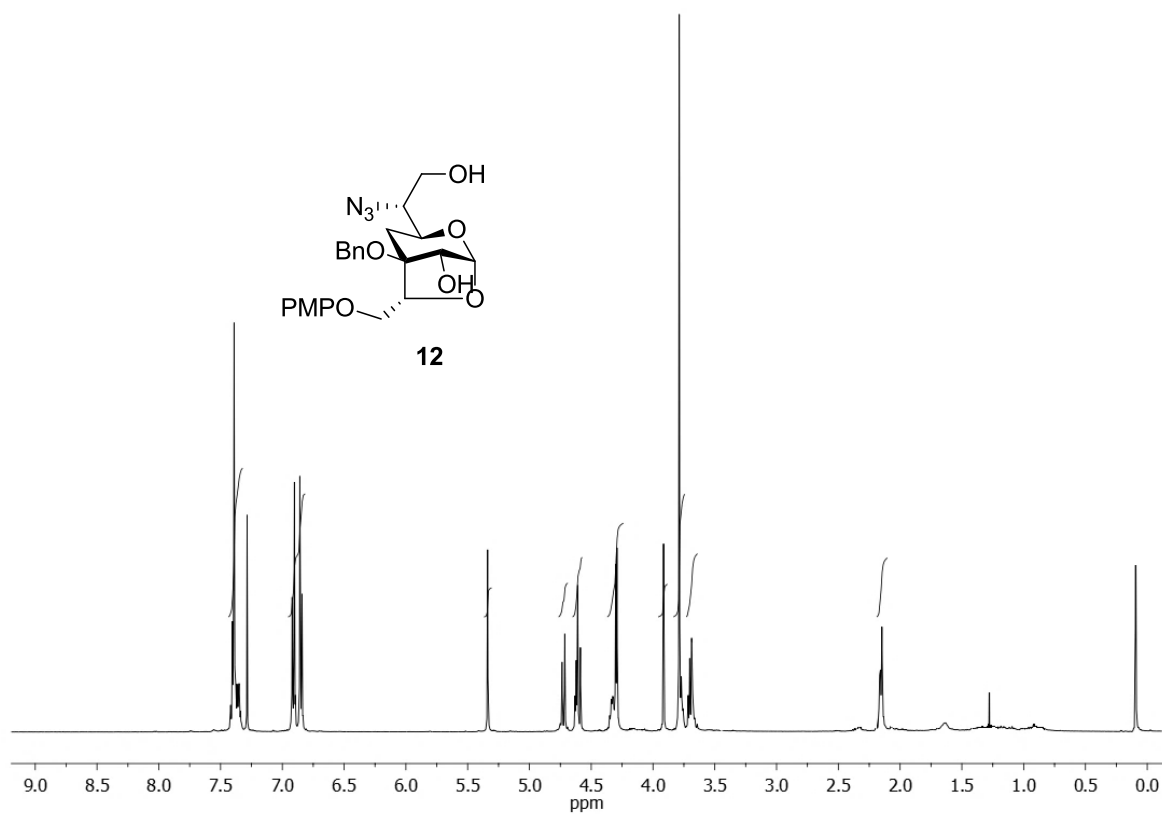


Figure 17: ^1H NMR (500 MHz, CDCl_3) spectrum of compound **12**

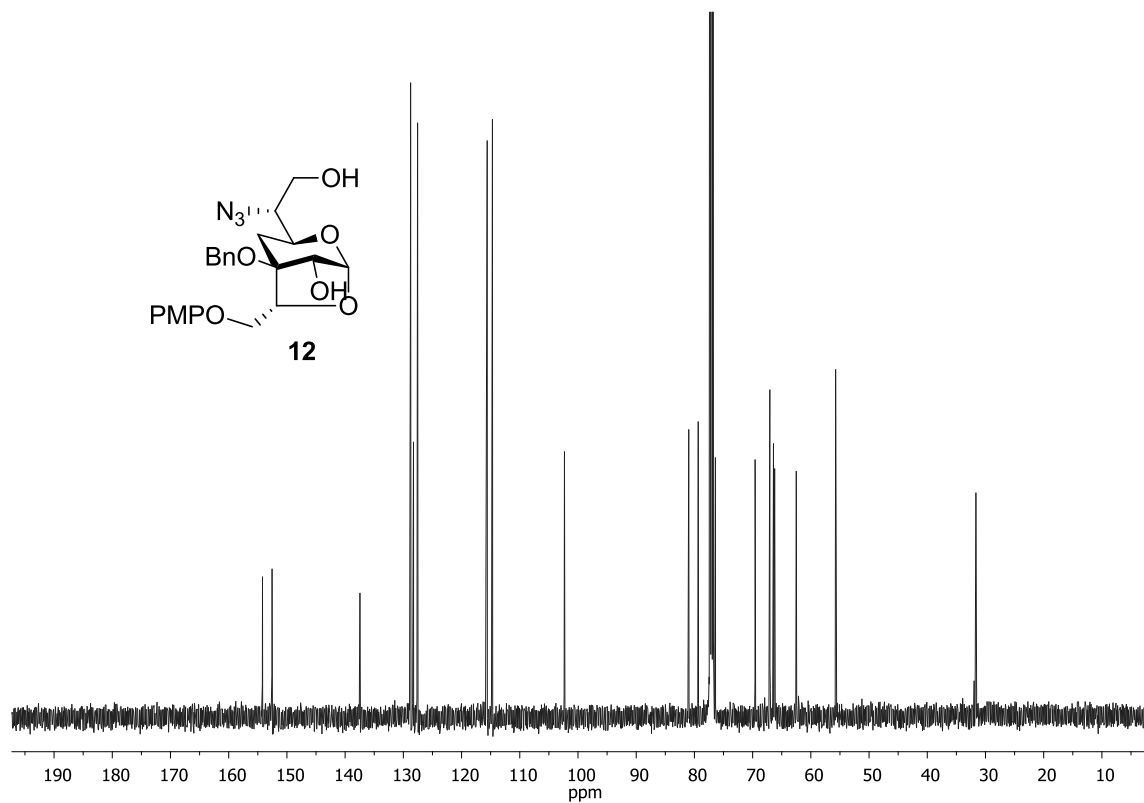


Figure 18: ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound **12**

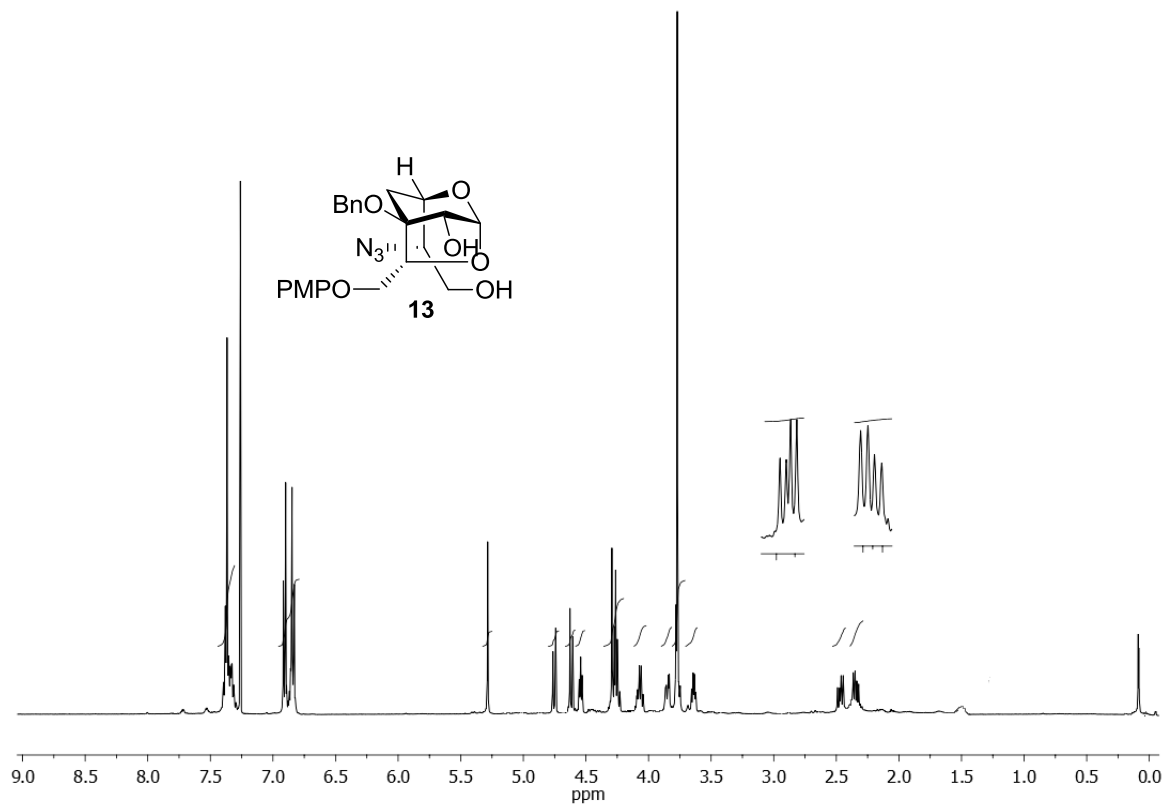


Figure 19: ¹H NMR (500 MHz, CDCl₃) spectrum of compound **13**

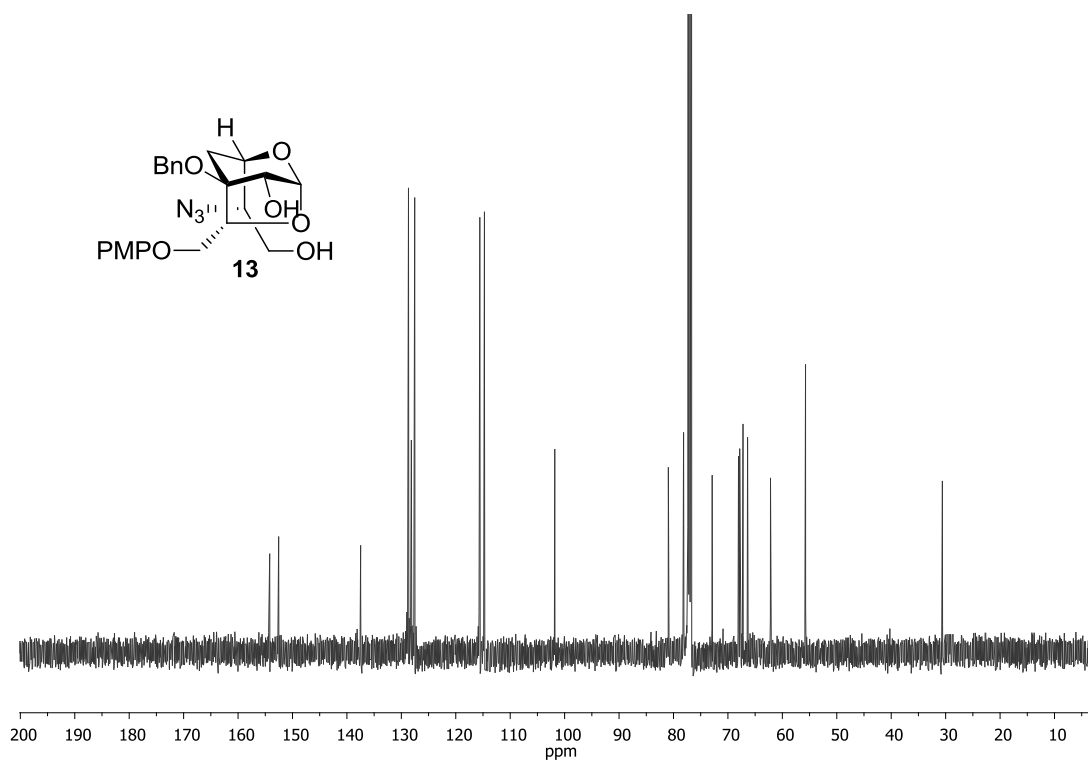


Figure 20: ¹³C NMR (125 MHz, CDCl₃) spectrum of compound **13**

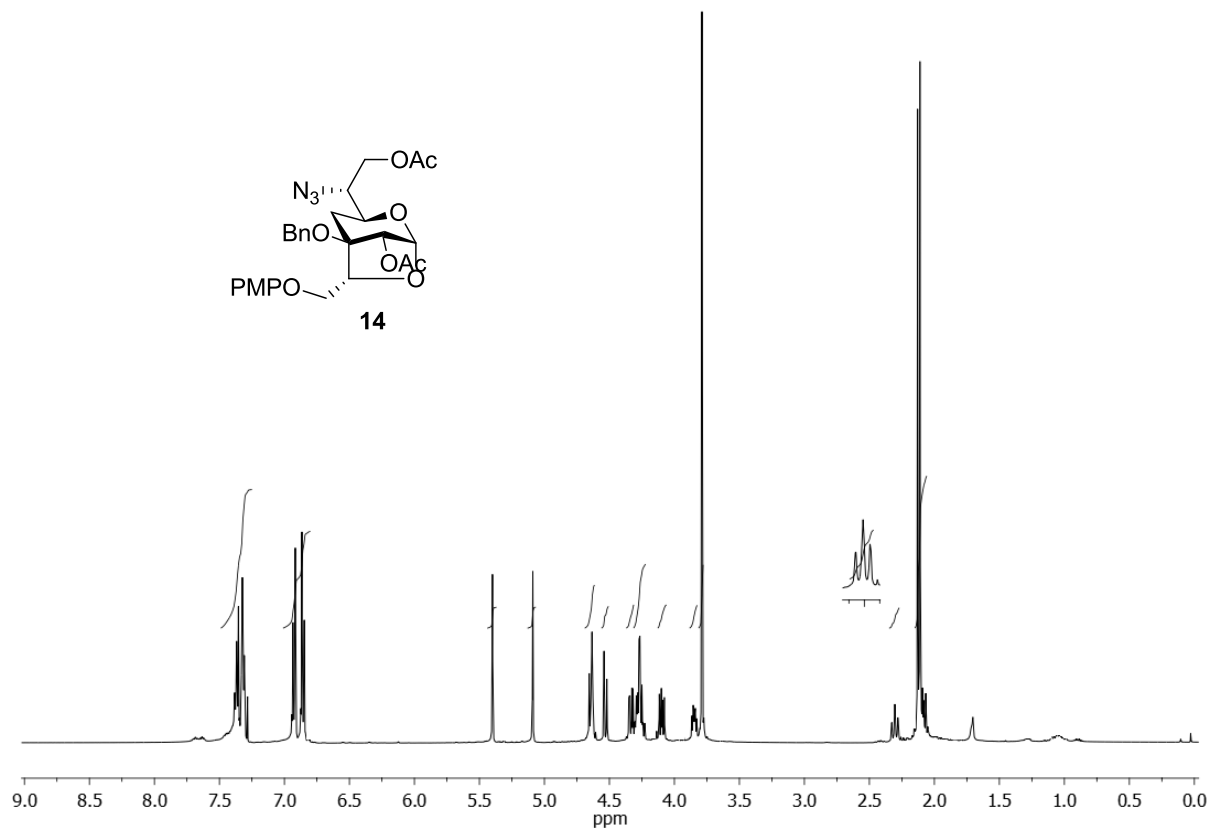


Figure 21: ¹H NMR (500 MHz, CDCl₃) spectrum of compound **14**

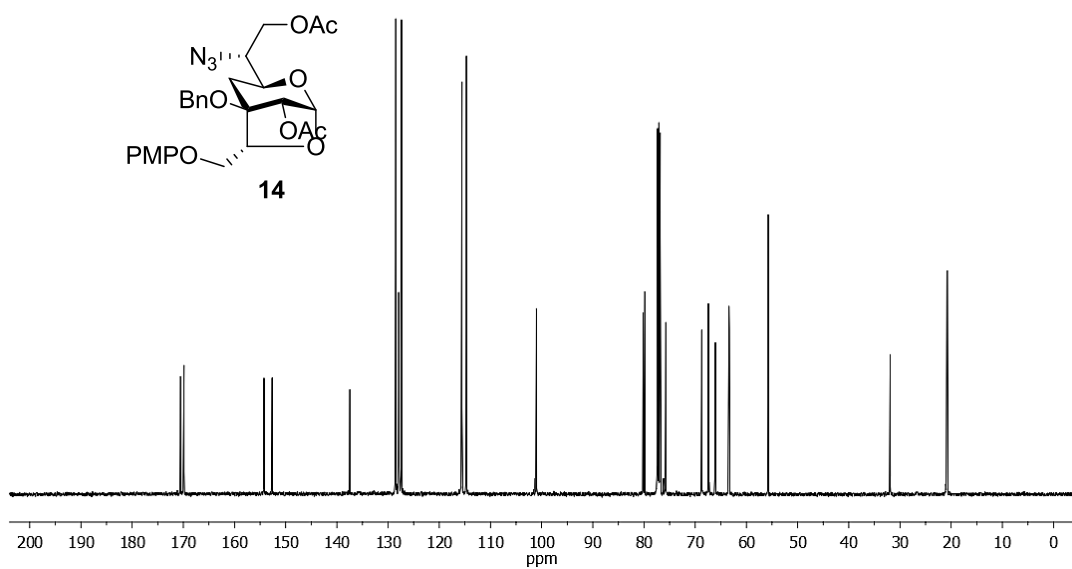


Figure 22: ¹³C NMR (125 MHz, CDCl₃) spectrum of compound **14**

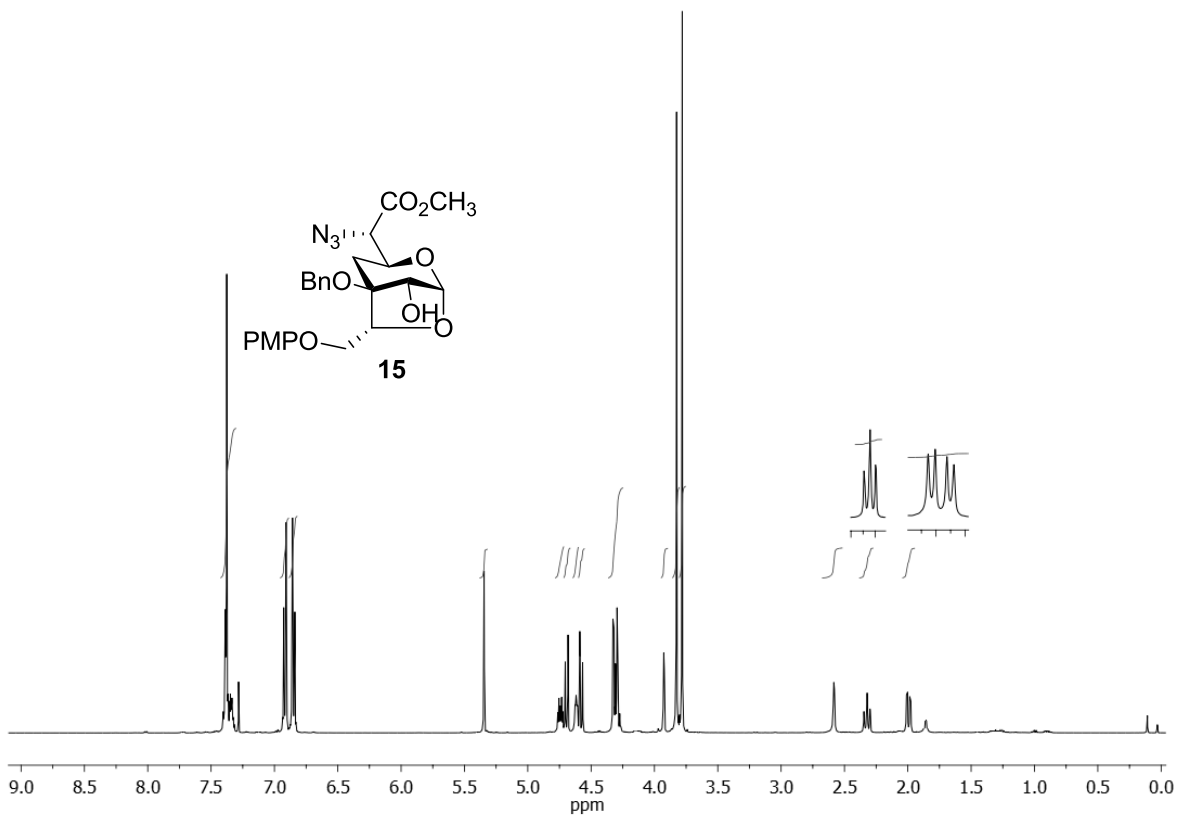


Figure 23: ^1H NMR (500 MHz, CDCl_3) spectrum of compound **15**

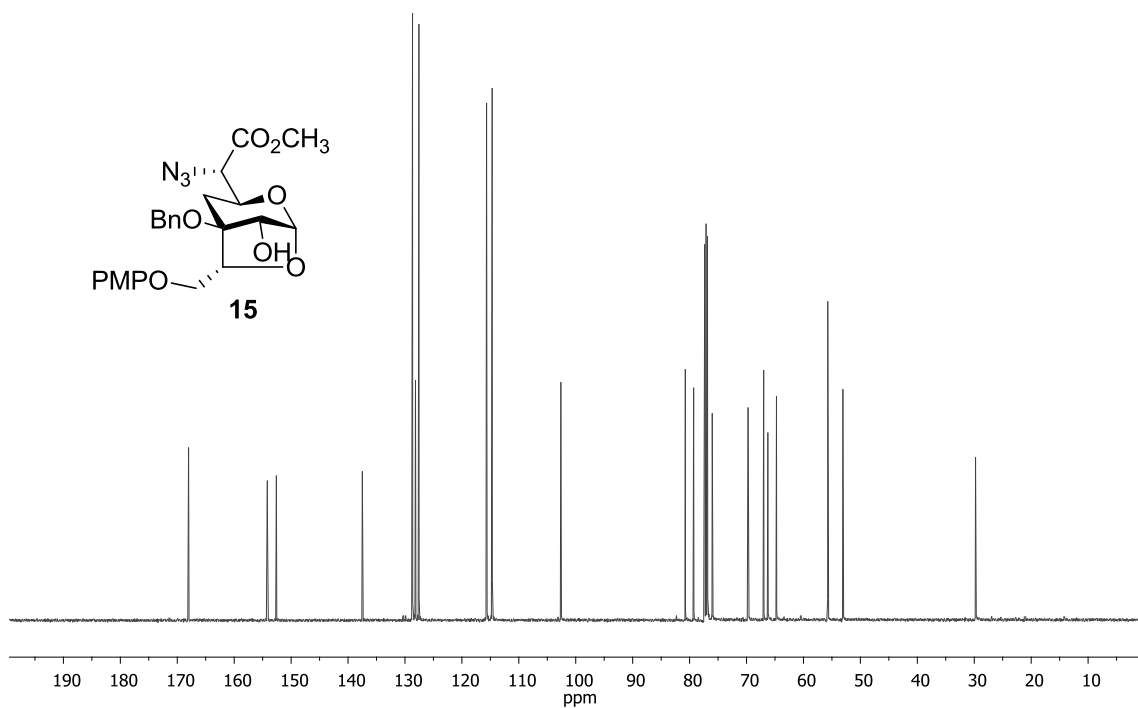


Figure 24: ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound **15**

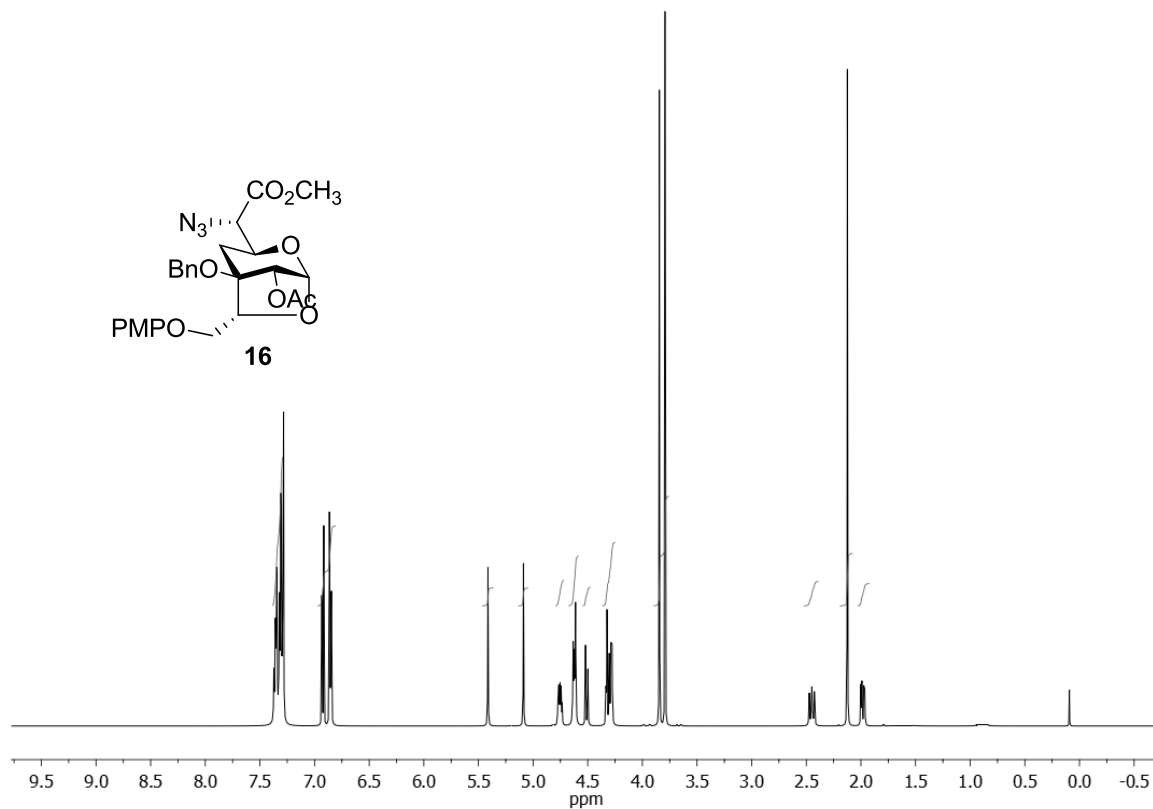


Figure 25: ^1H NMR (500 MHz, CDCl_3) spectrum of compound **16**

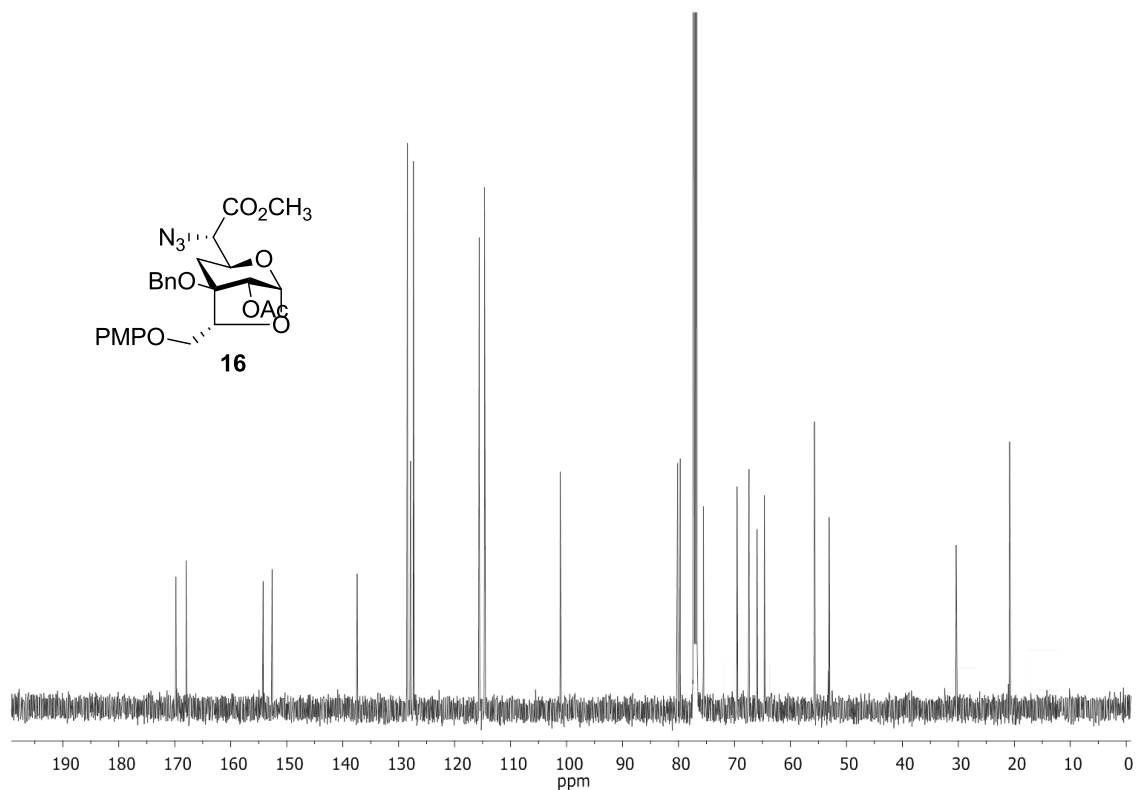


Figure 26: ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound **16**

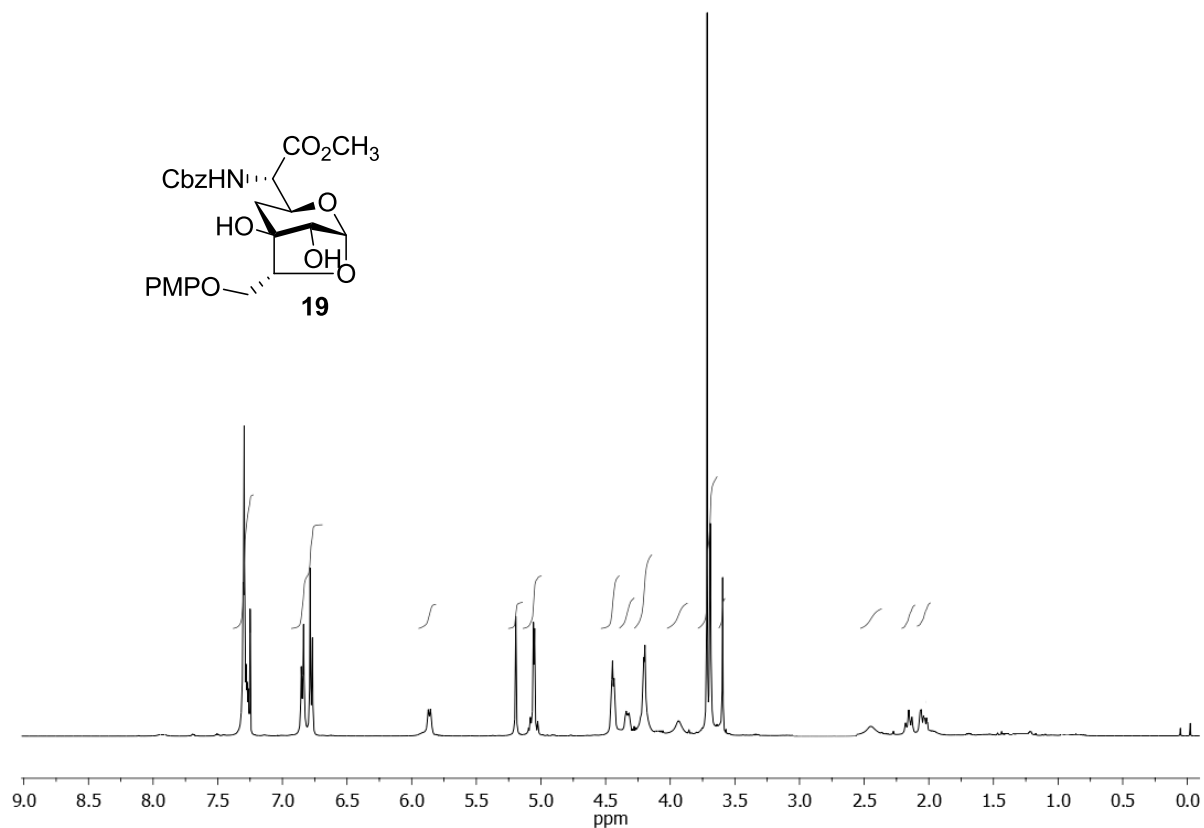


Figure 27: ¹H NMR (500 MHz, CDCl₃) spectrum of compound **19**

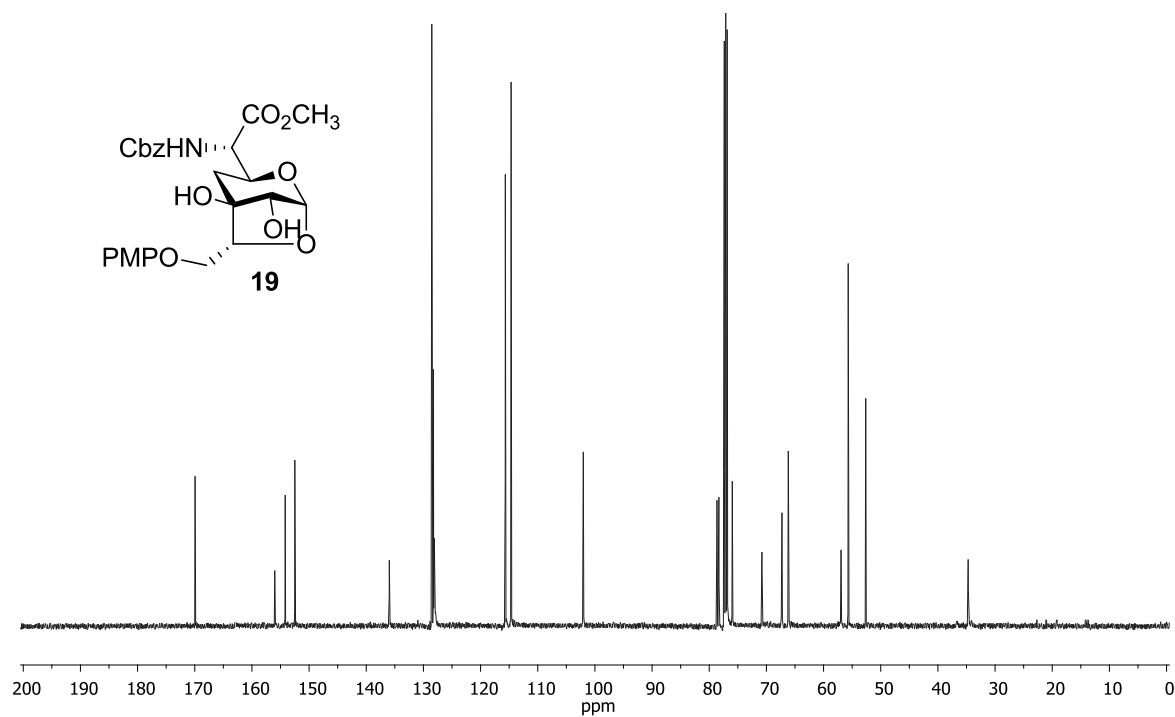


Figure 28: ¹³C NMR (125 MHz, CDCl₃) spectrum of compound **19**

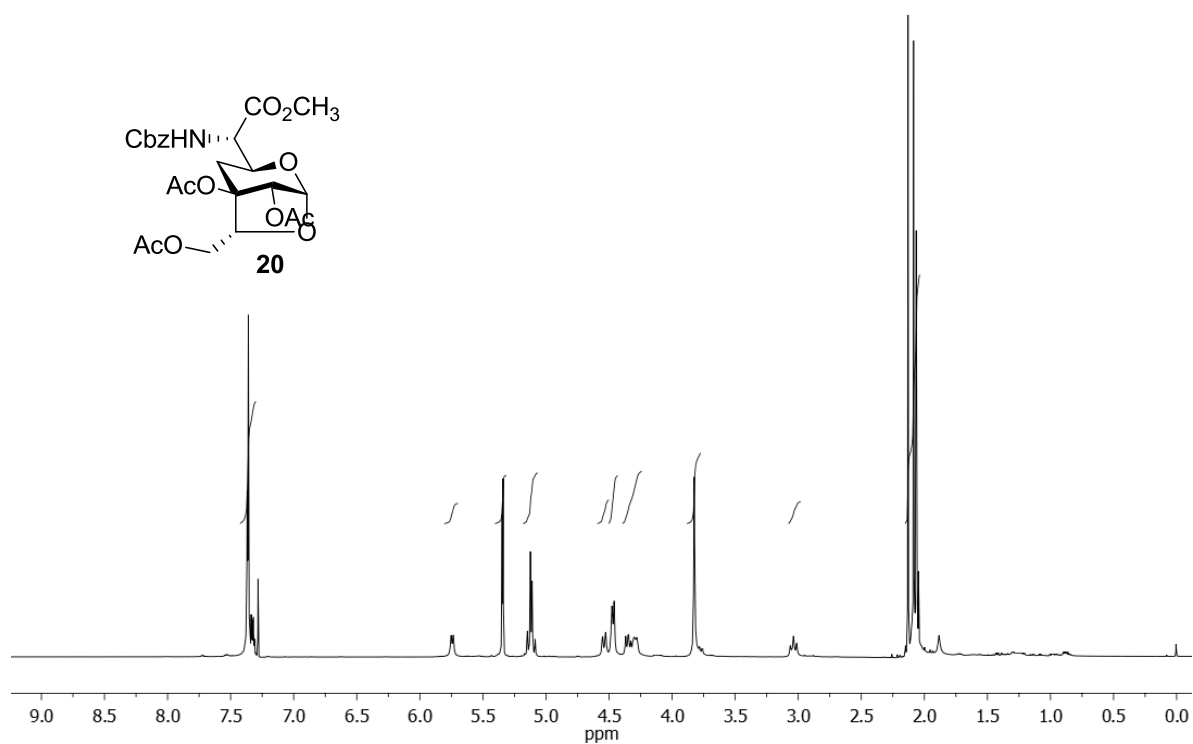


Figure 29: ¹H NMR (500 MHz, CDCl₃) spectrum of compound **20**

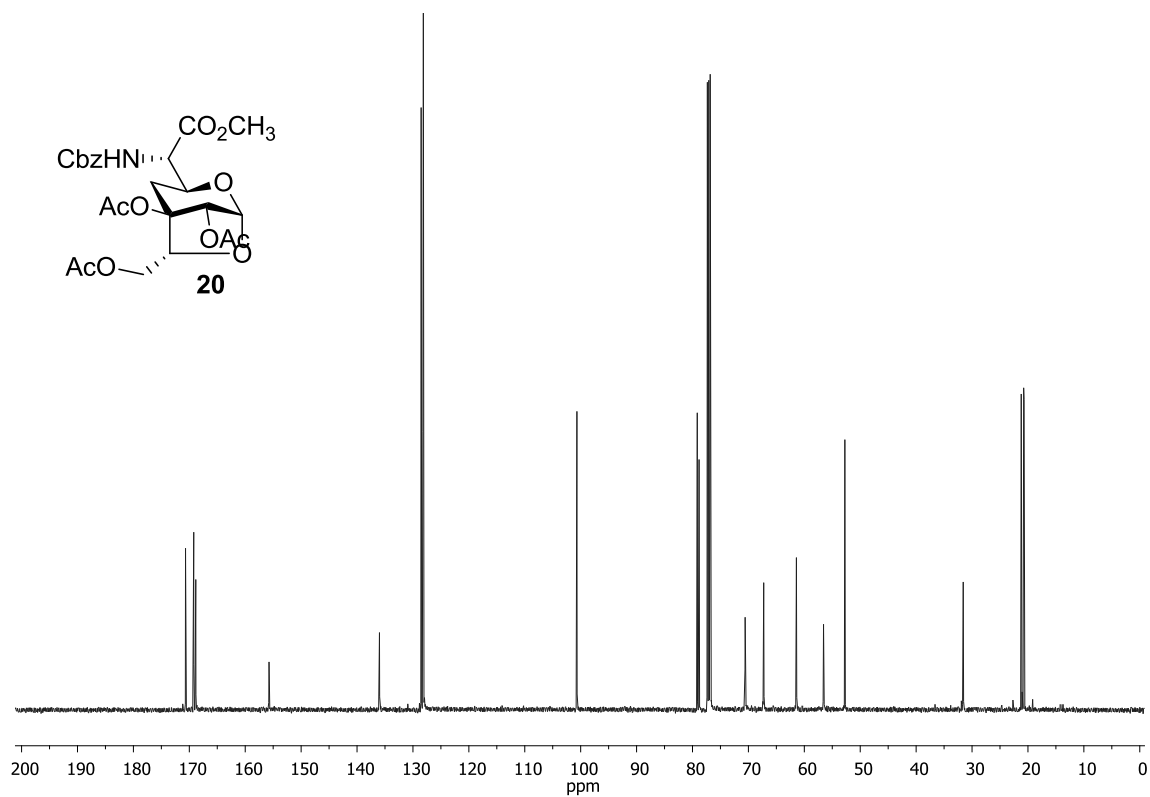


Figure 30: ¹³C NMR (125 MHz, CDCl₃) spectrum of compound **20**

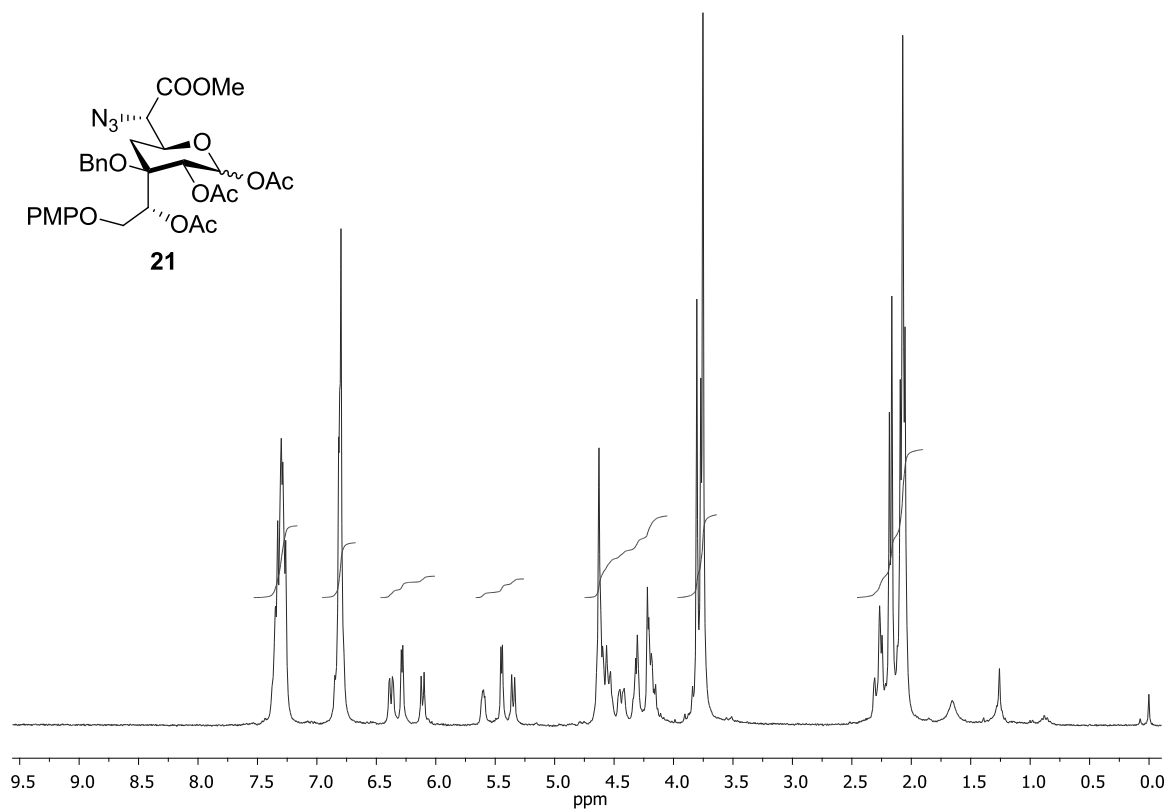


Figure 31: ¹H NMR (300 MHz, CDCl₃) spectrum of compound **21**

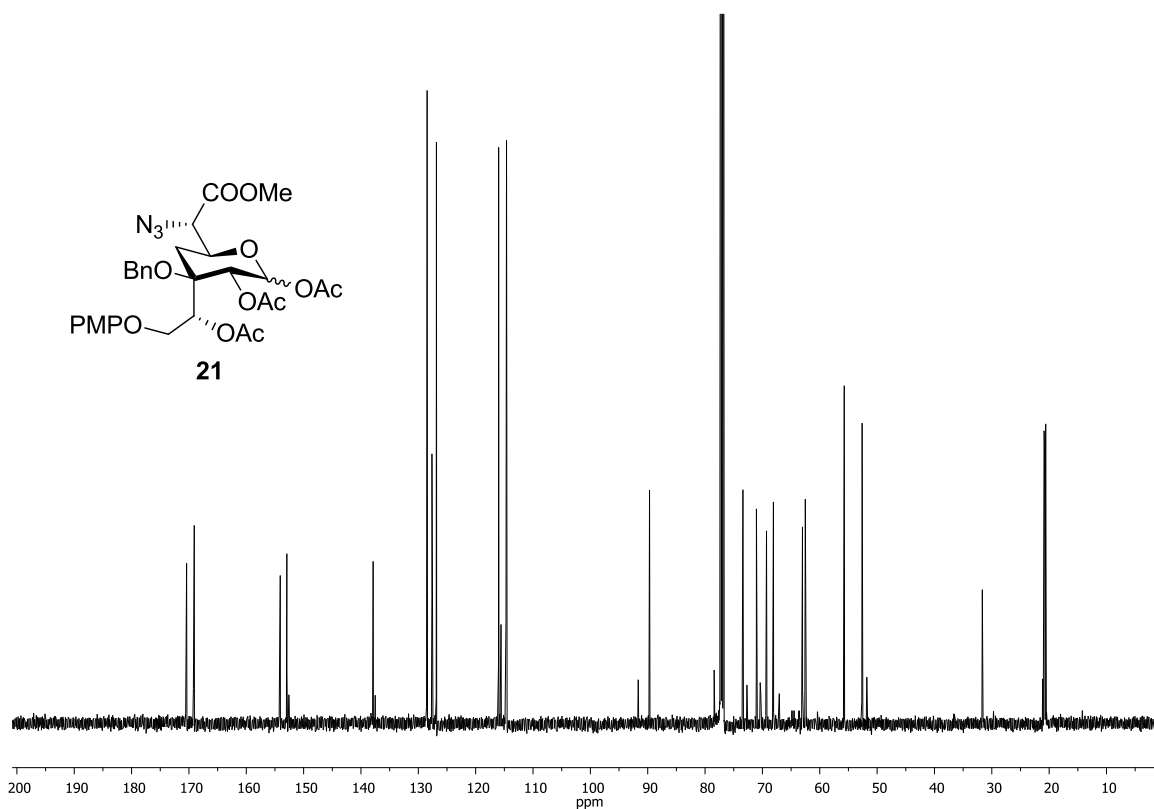


Figure 32: ¹³C NMR (125 MHz, CDCl₃) spectrum of compound **21**

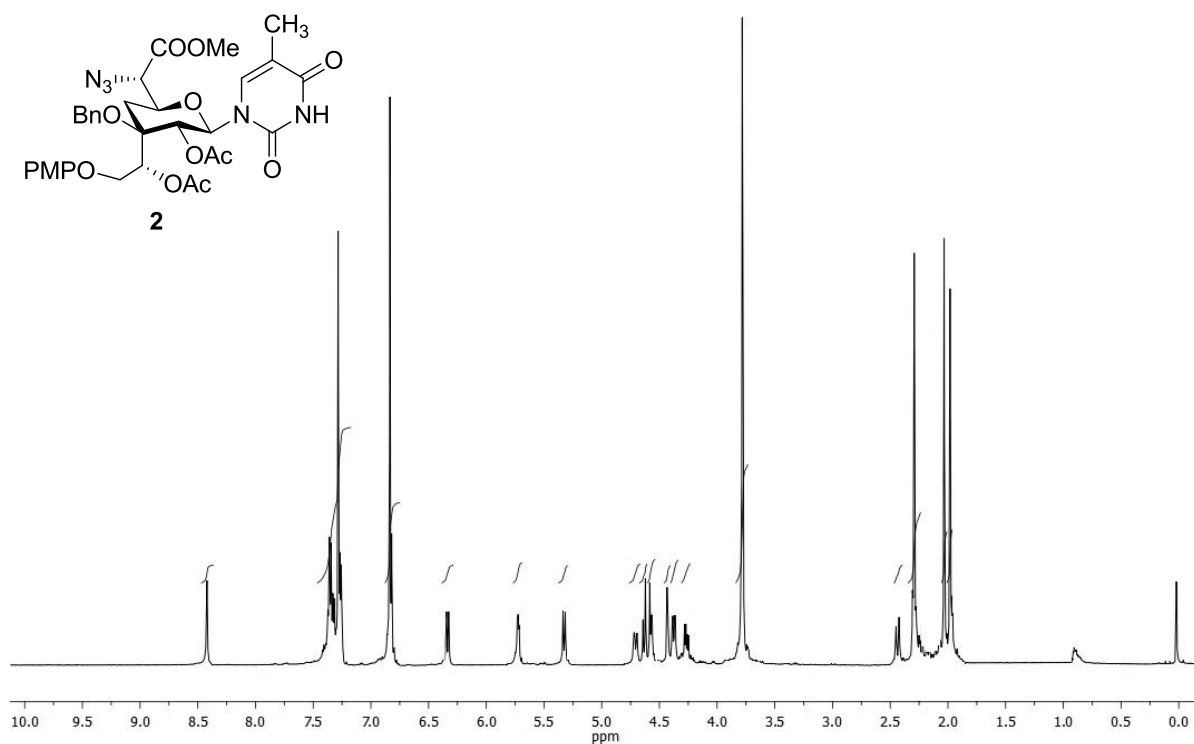


Figure 33: ^1H NMR (500 MHz, CDCl_3) spectrum of compound **2**

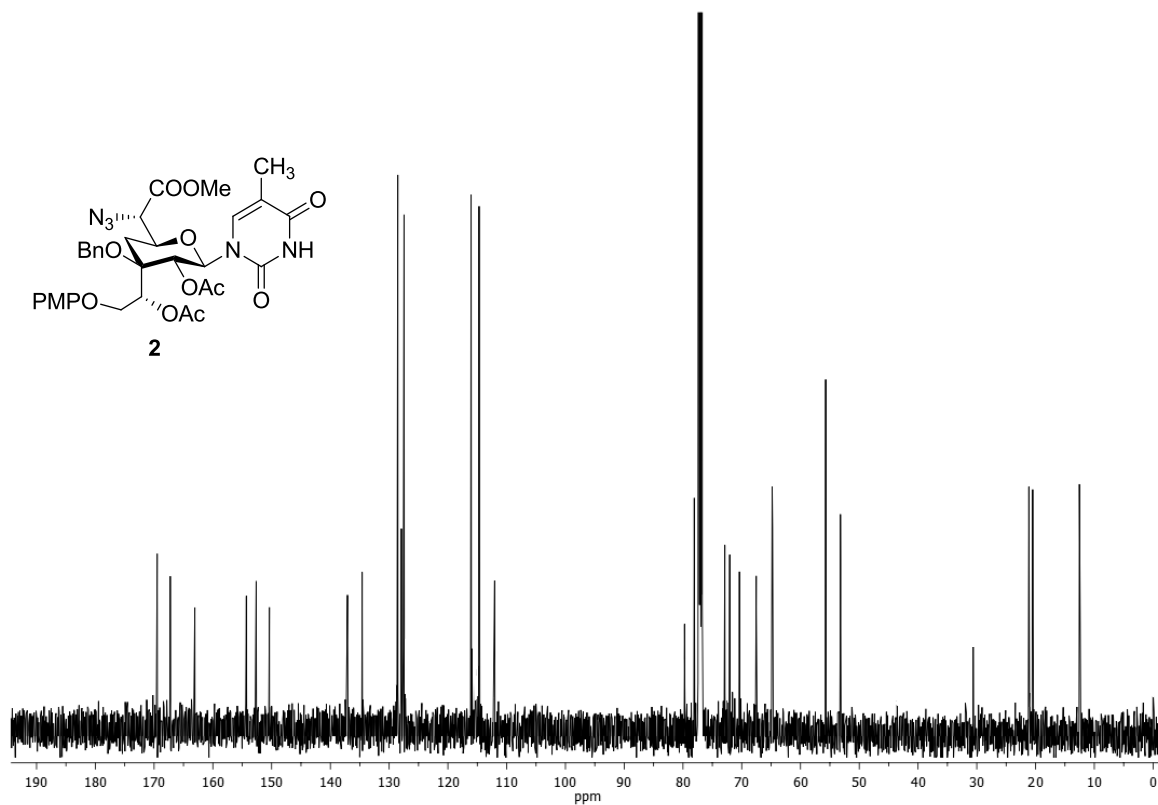
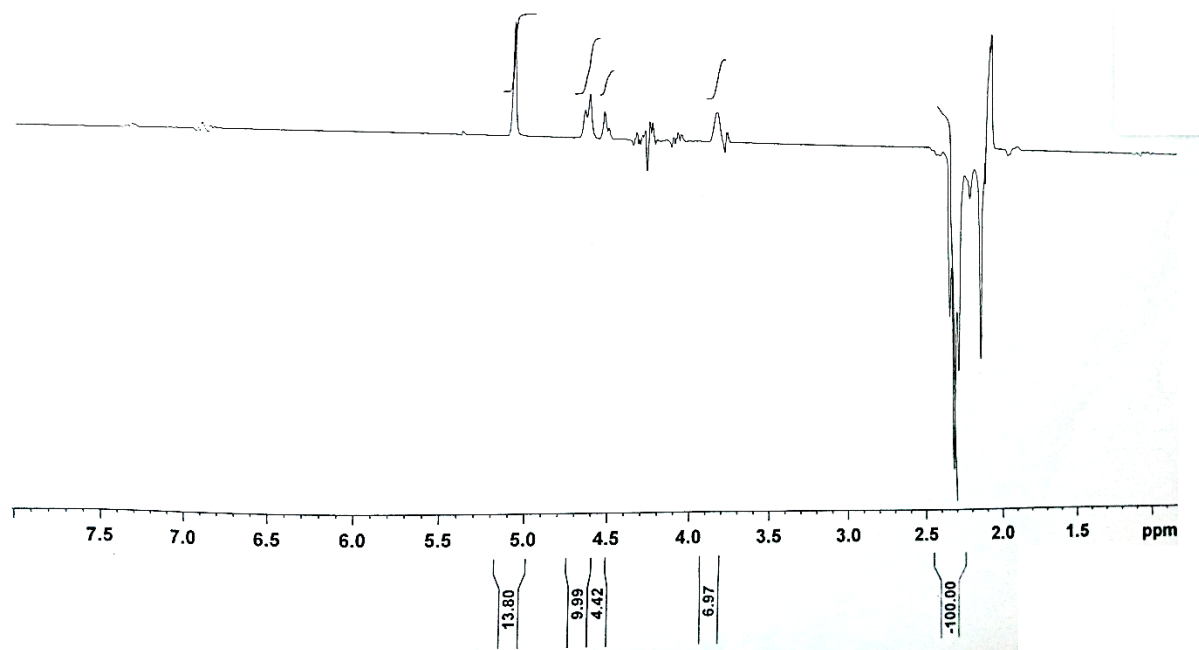
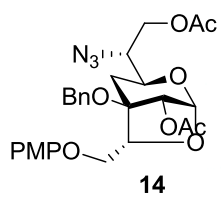


Figure 34: ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound **2**

MFR-AM-OAC-1H

1D Selective Gradient NOESY
freq: 2.305ppm



NOE spectrum compound 14