Supporting Information

Synthesis and evaluation of three azide-modified disaccharide oxazolines as enzyme substrates for single-step Fc glycan-mediated antibody-drug conjugation

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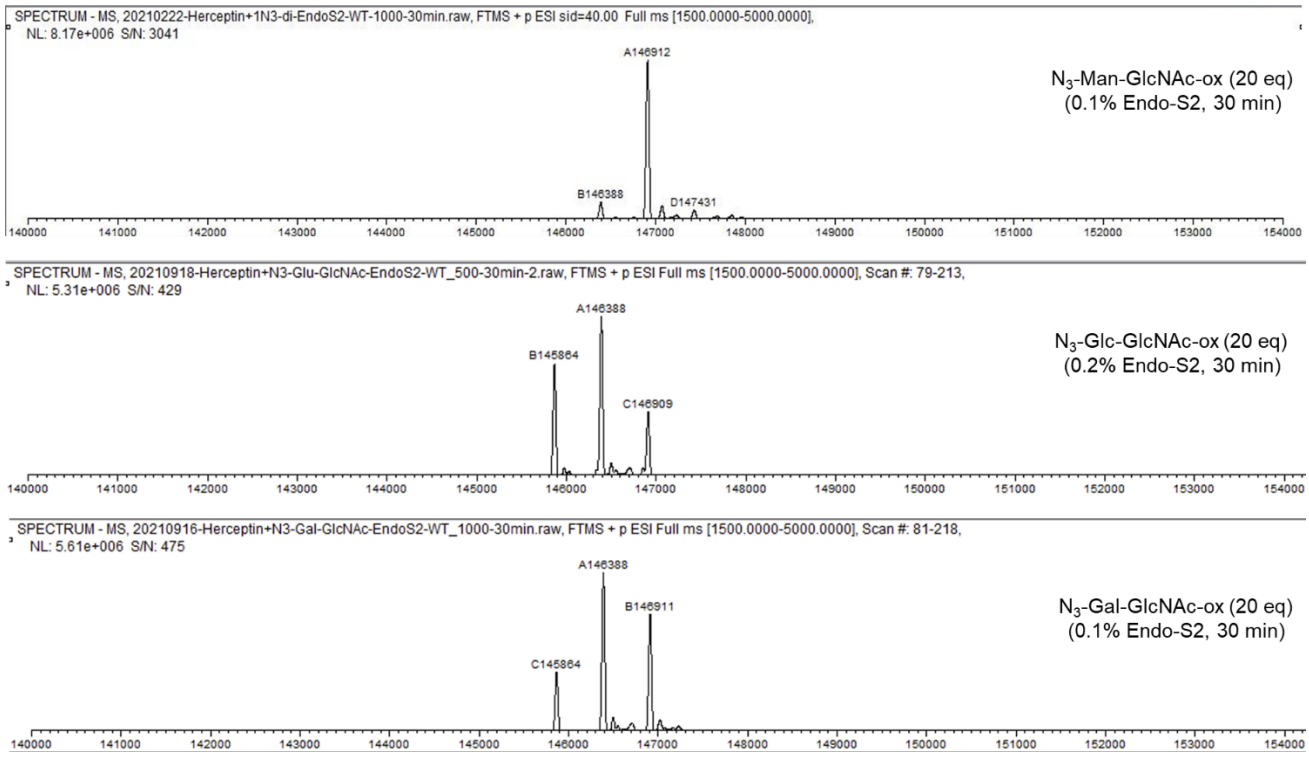


Figure S1. LC-MS tracking of the transglycosylation reactions with azido-sugar oxazolines.

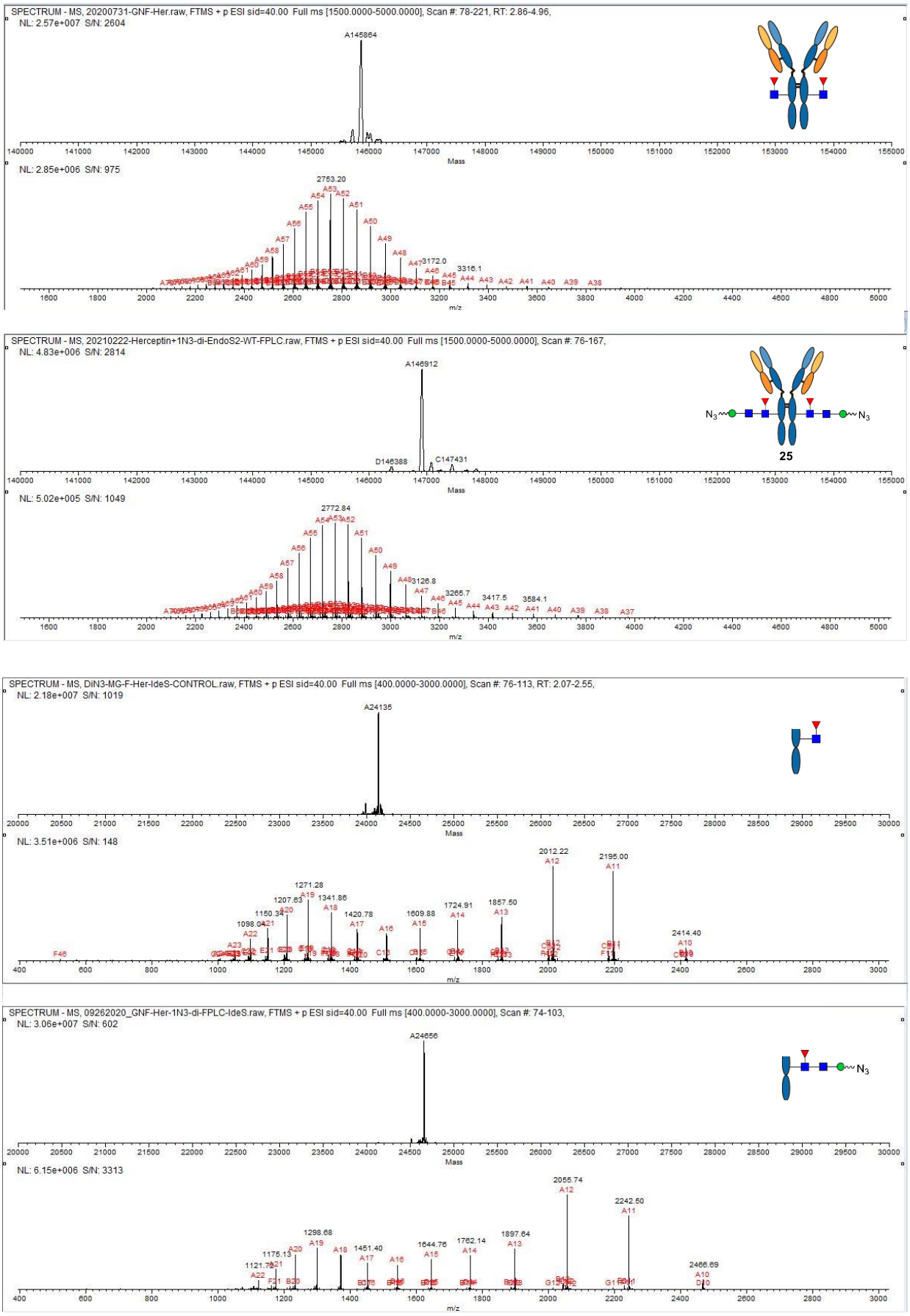


Figure S2. LC-MS analysis of compound 25.

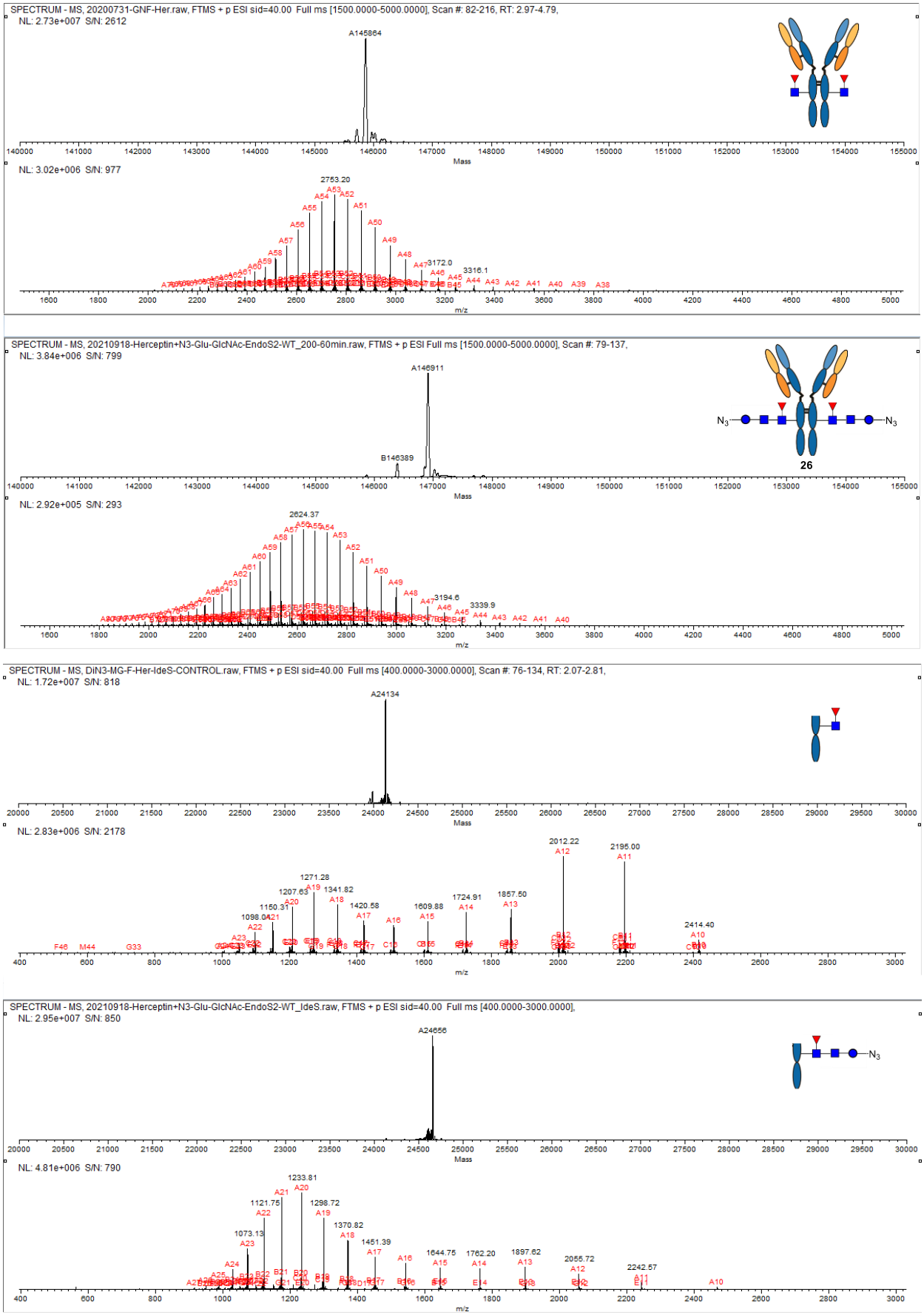


Figure S3. LC-MS analysis of compound 26.

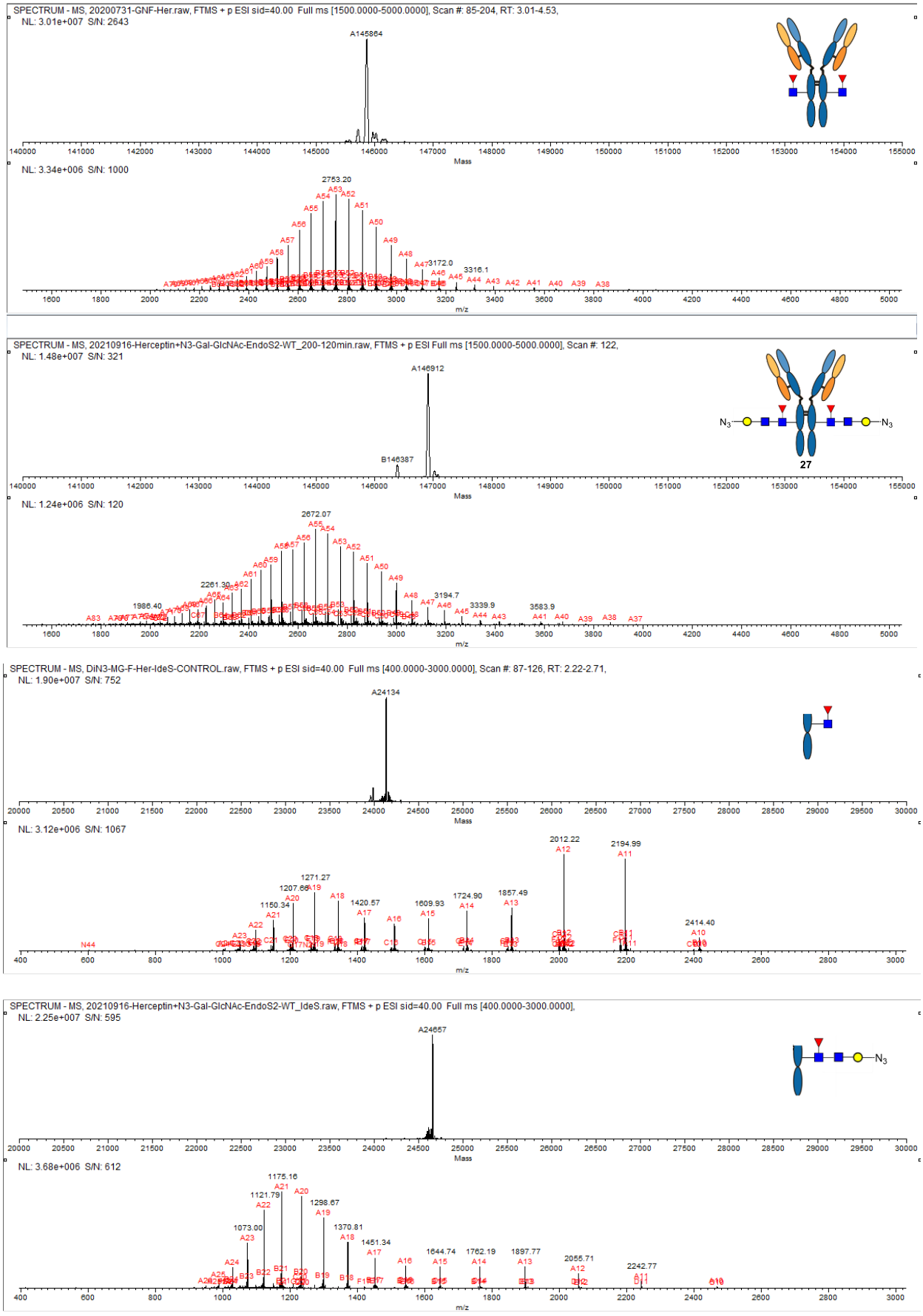


Figure S4. LC-MS analysis of compound 27.

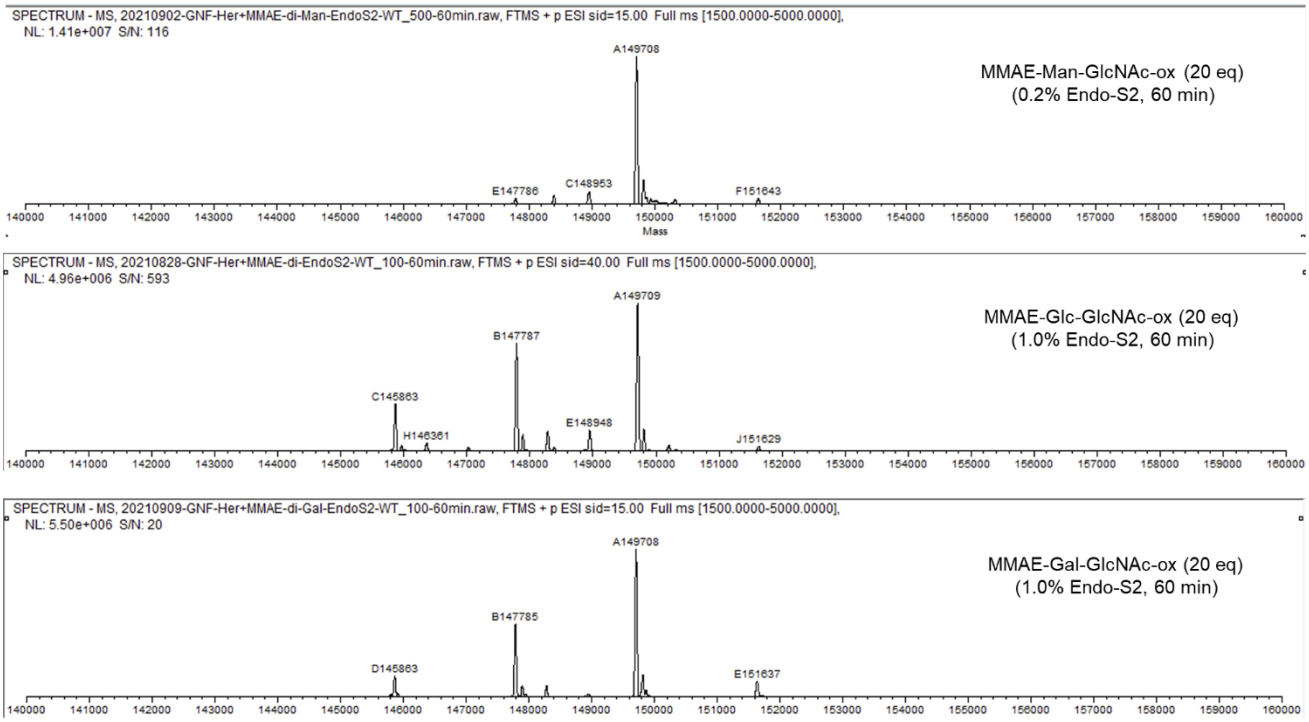


Figure S5. LC-MS tracking of the transglycosylation reactions with drug-sugar oxazolines.

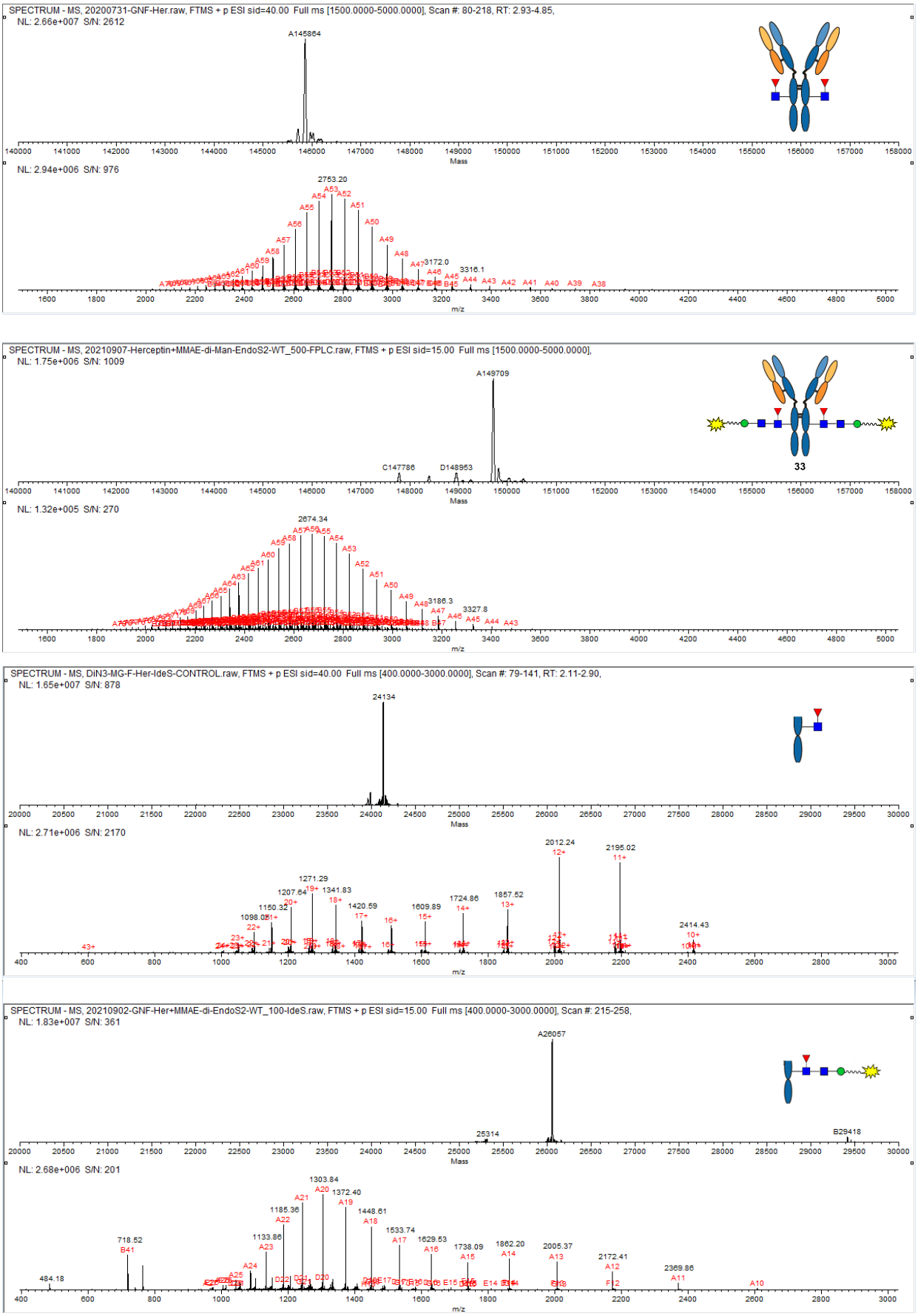


Figure S6. LC-MS analysis of compound 33.

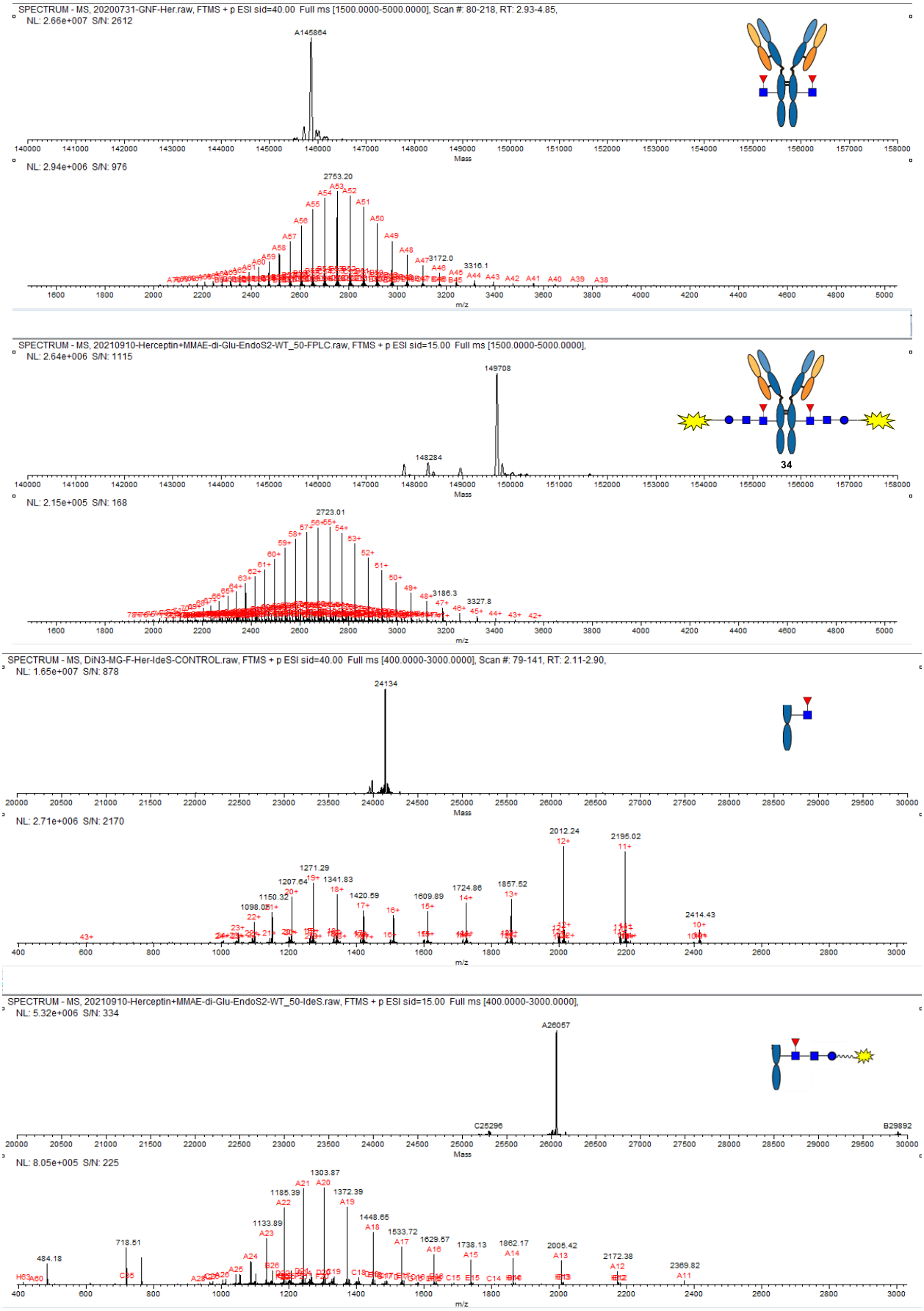


Figure S7. LC-MS analysis of compound 34.

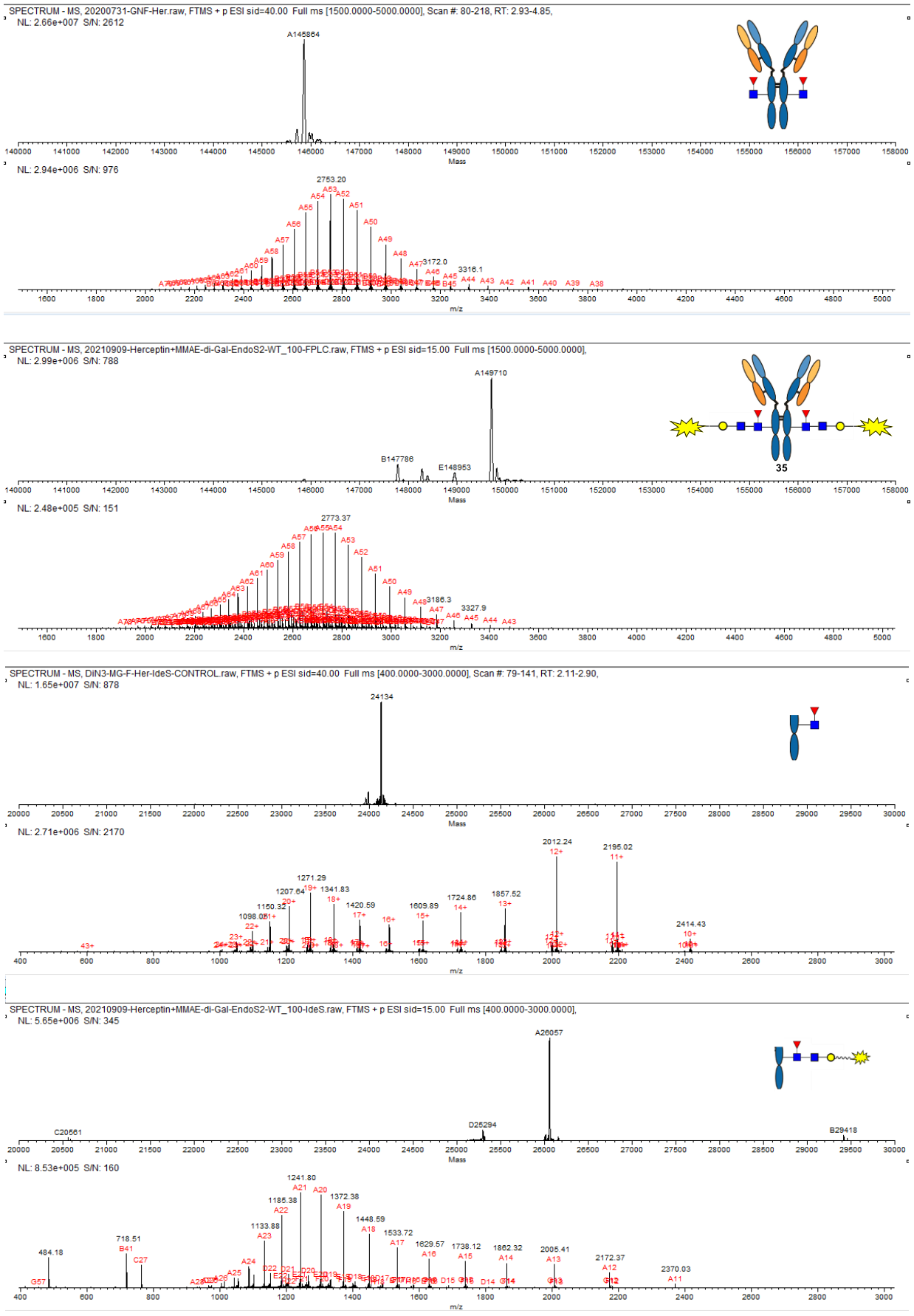
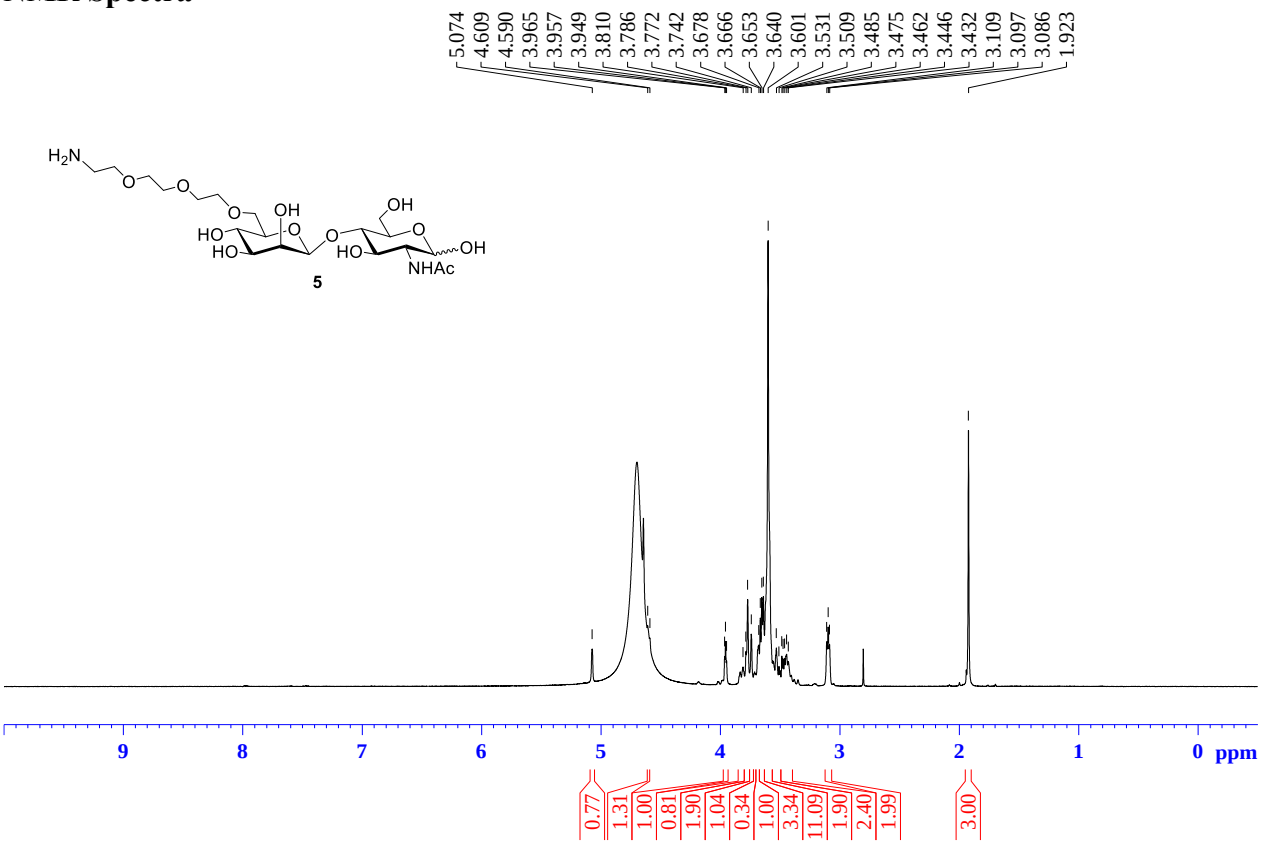
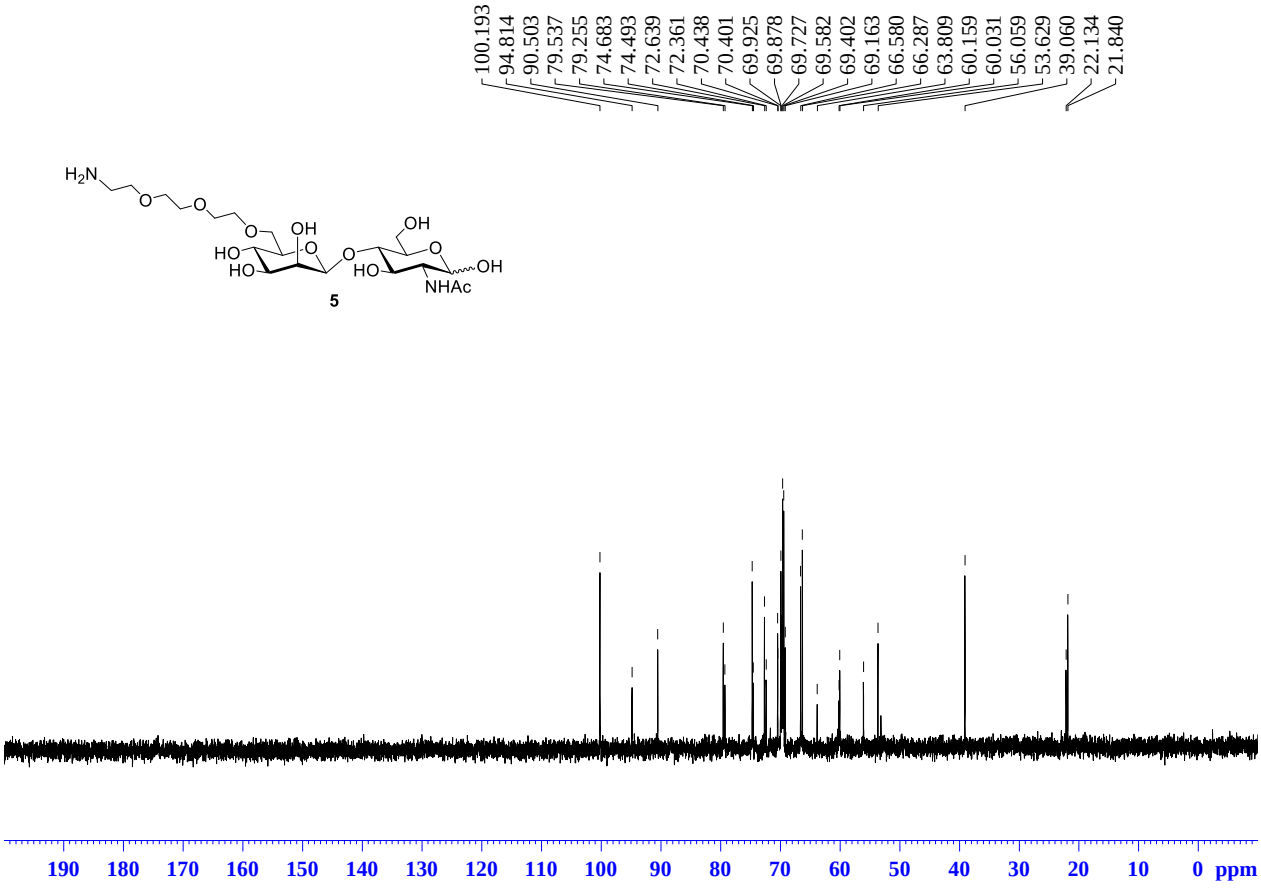


Figure S8. LC-MS analysis of compound 35.

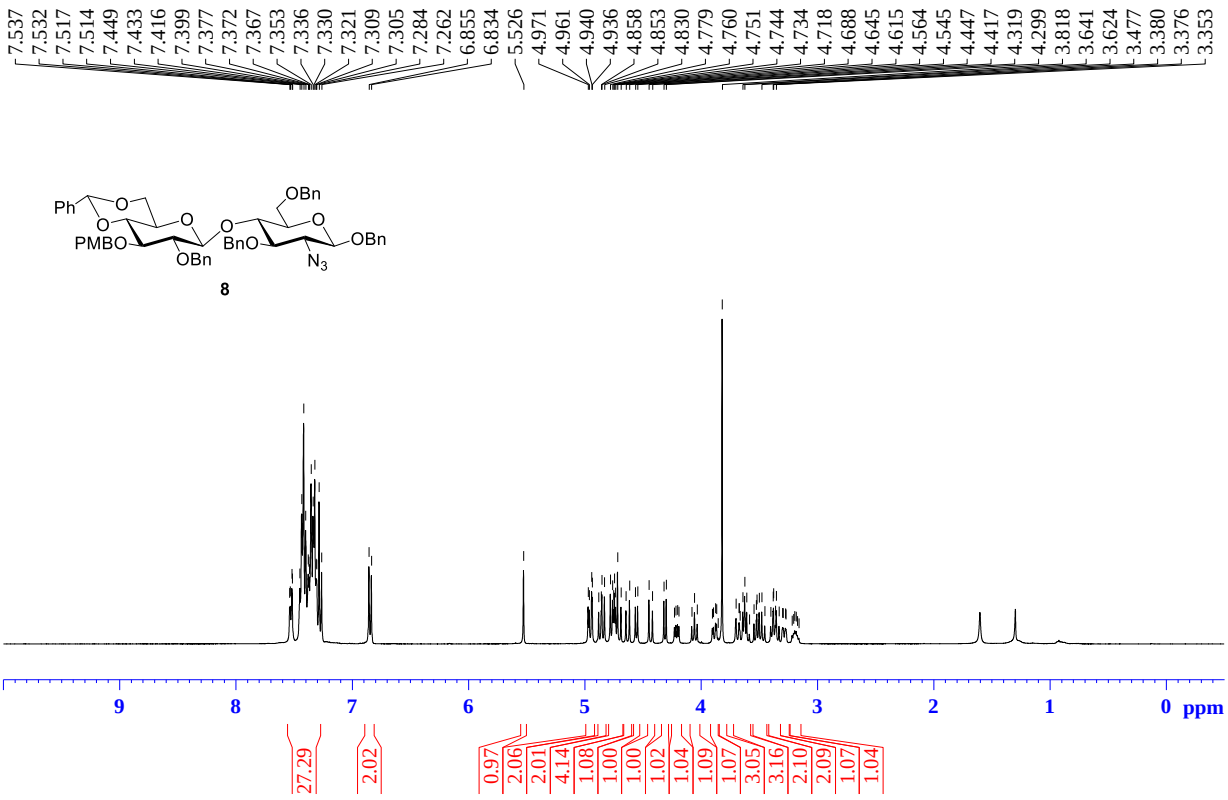
NMR Spectra



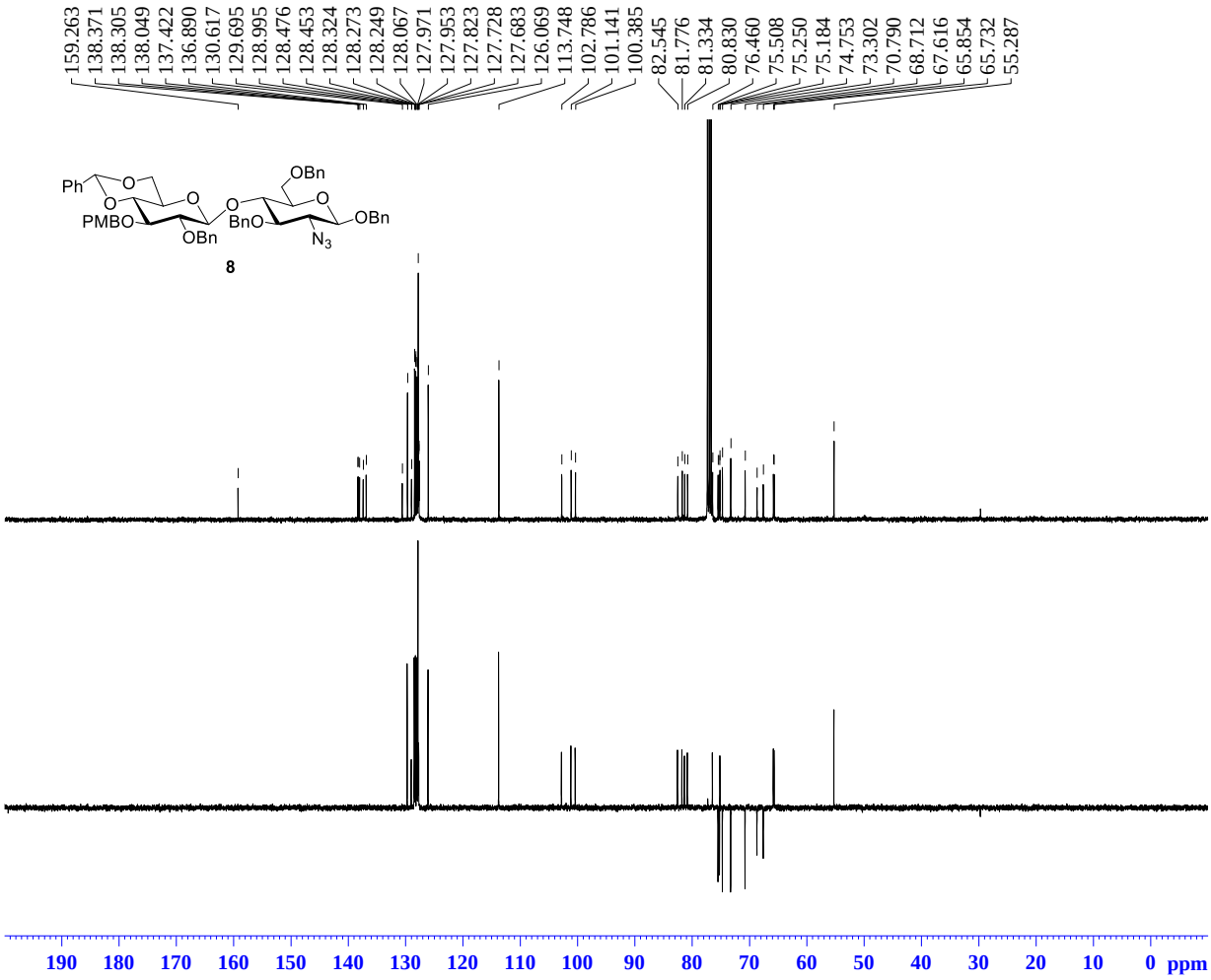
Compound 5: ^{1}H NMR (D_2O, 400 MHz)



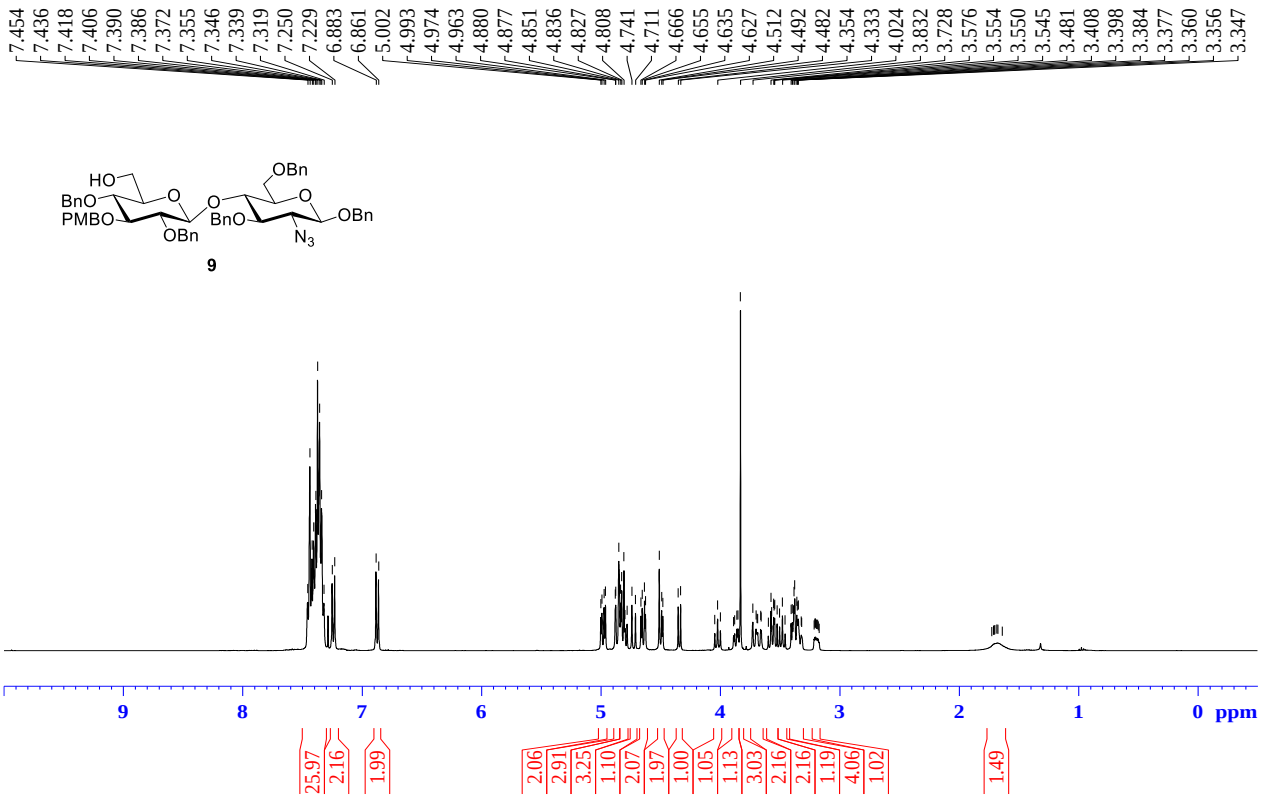
Compound 5: ^{13}C NMR (D_2O, 100 MHz)



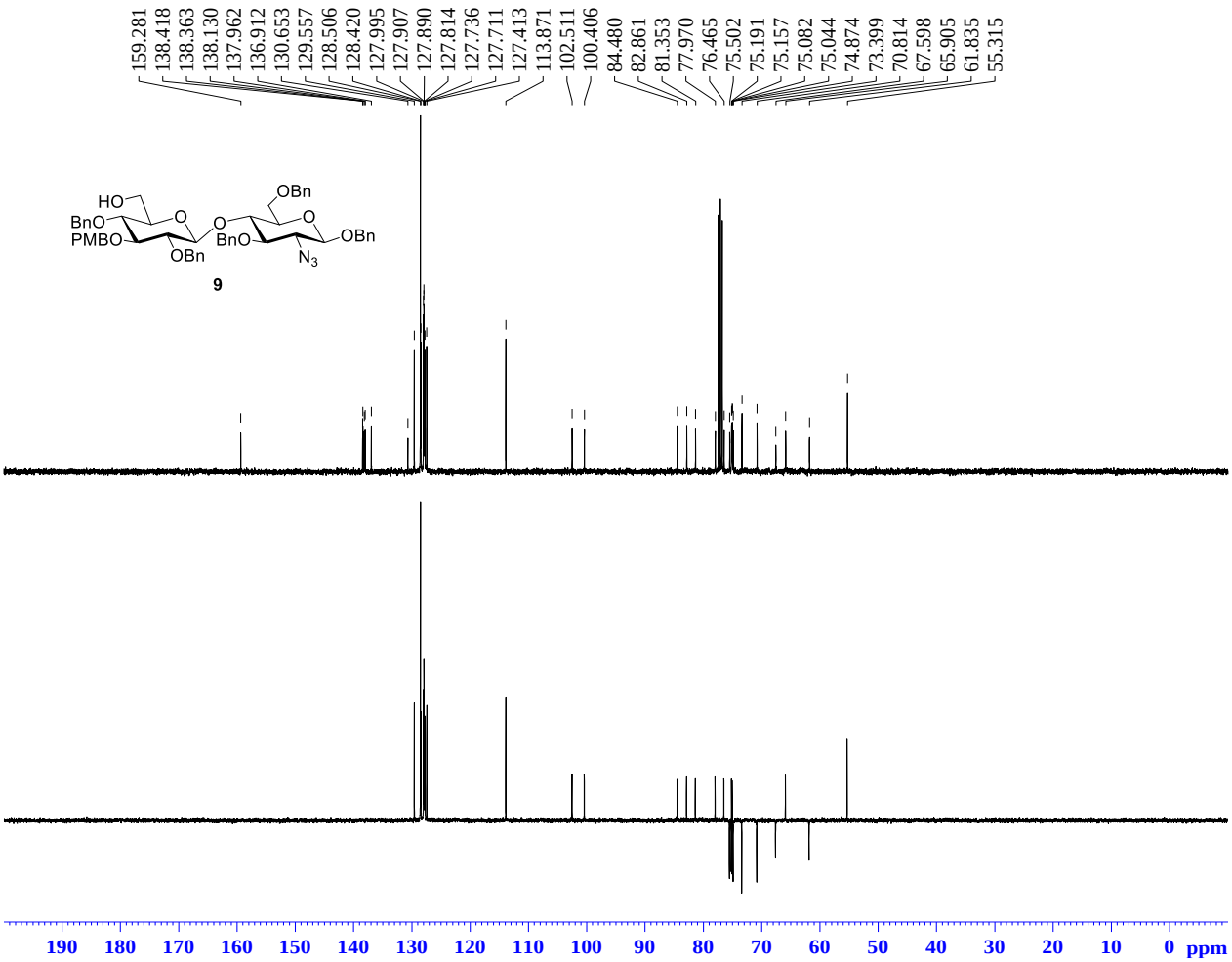
Compound 8: ^{1}H NMR ($CDCl_3$, 400 MHz)



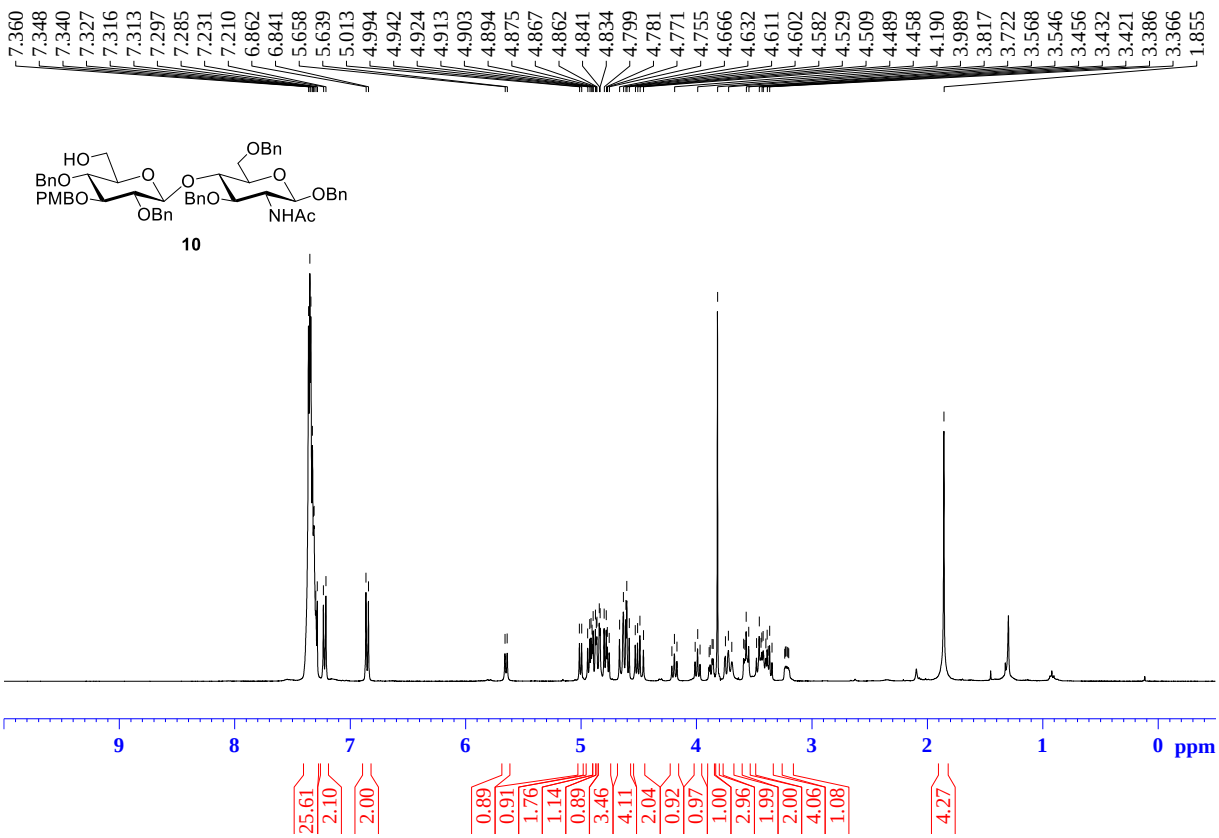
Compound 8: ^{13}C and Dept-135 NMR ($CDCl_3$, 100 MHz)



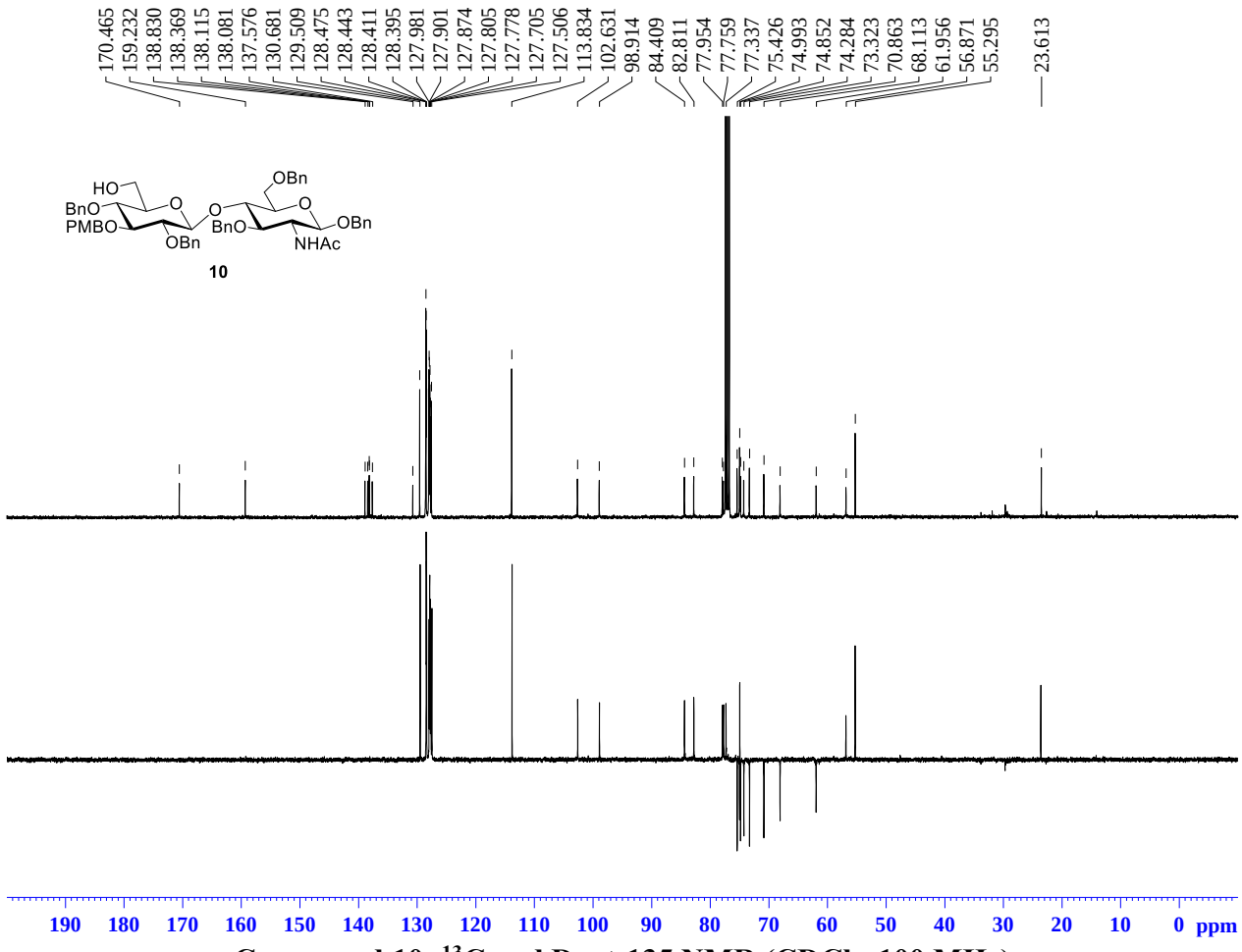
Compound 9: ^{1}H NMR ($CDCl_3$, 400 MHz)



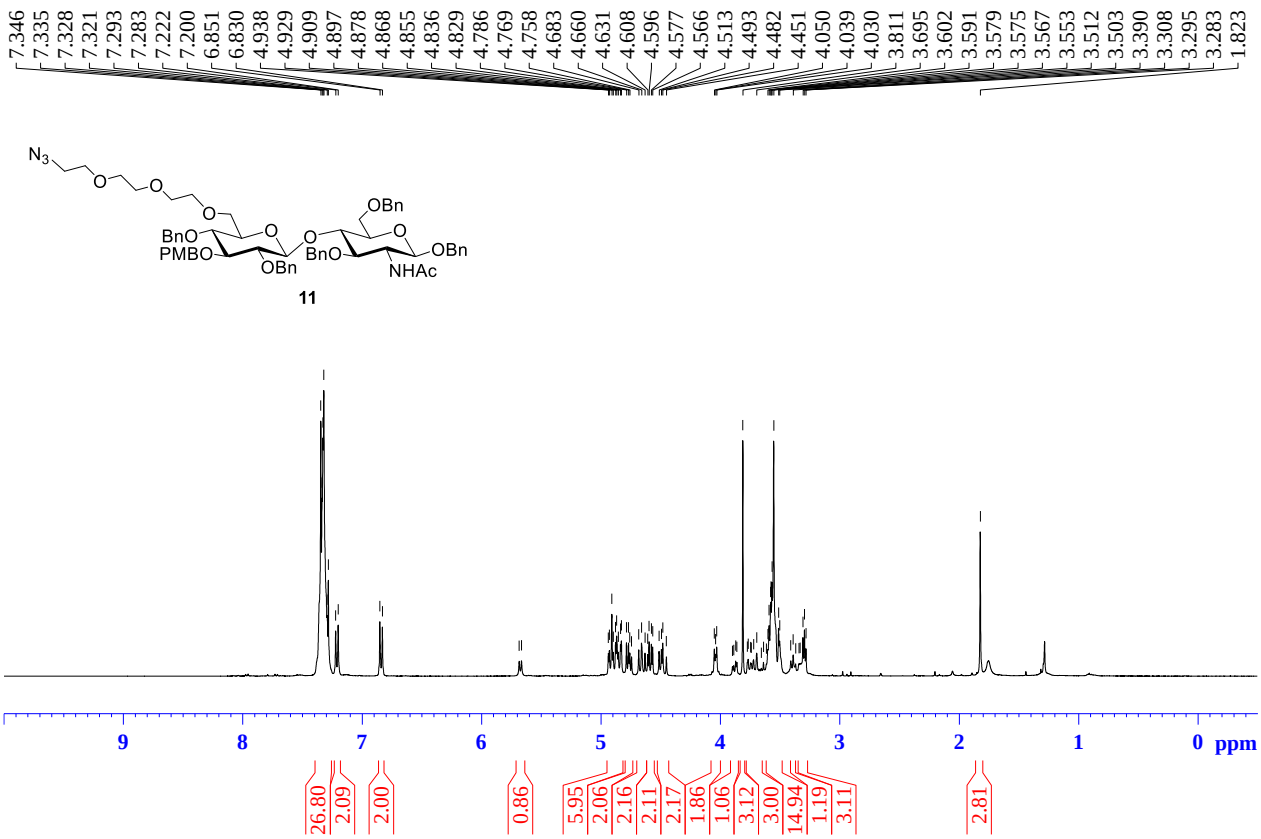
Compound 9: ^{13}C and Dept-135 NMR ($CDCl_3$, 100 MHz)



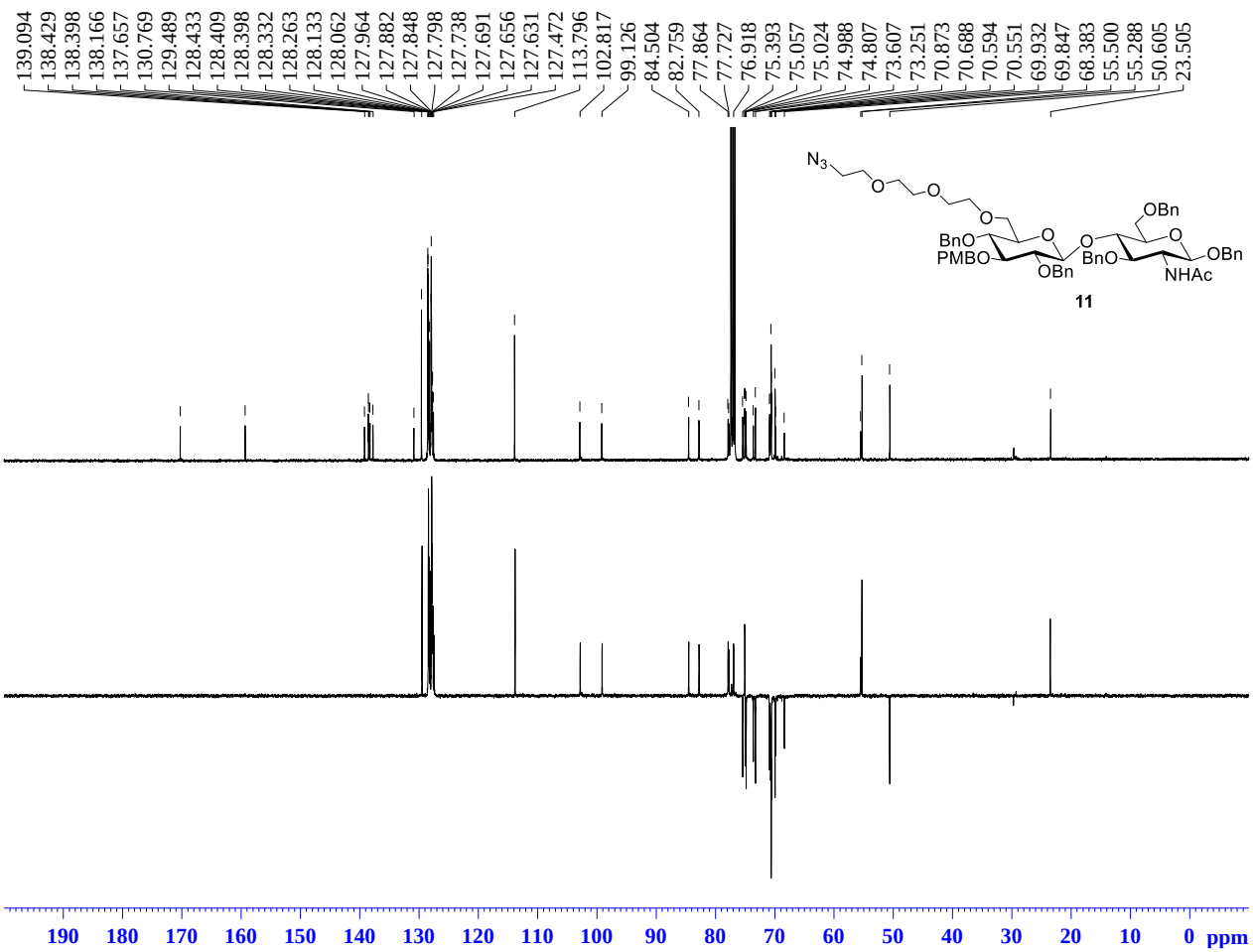
Compound 10: ^{1}H NMR ($CDCl_3$, 400 MHz)



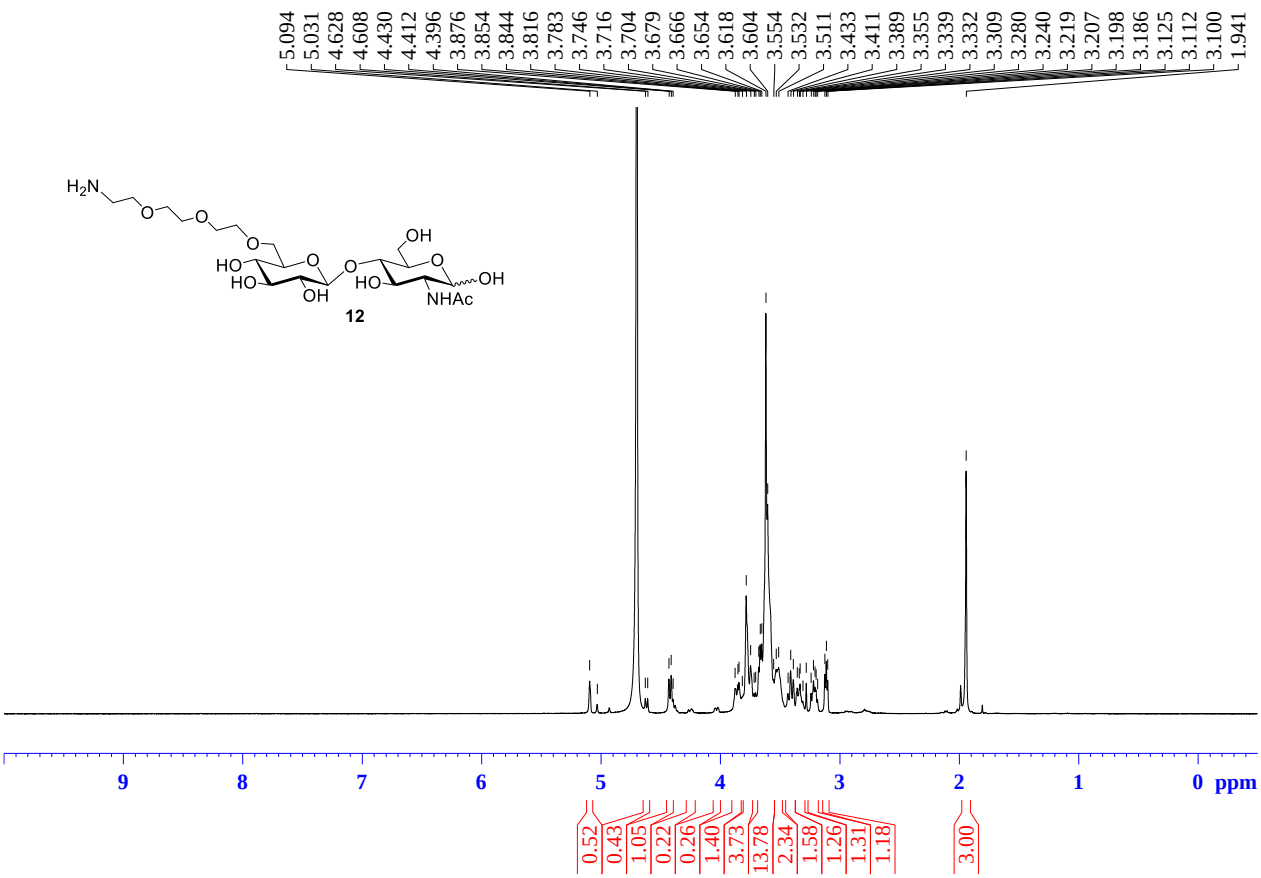
Compound 10: ^{13}C and Dept-135 NMR ($CDCl_3$, 100 MHz)



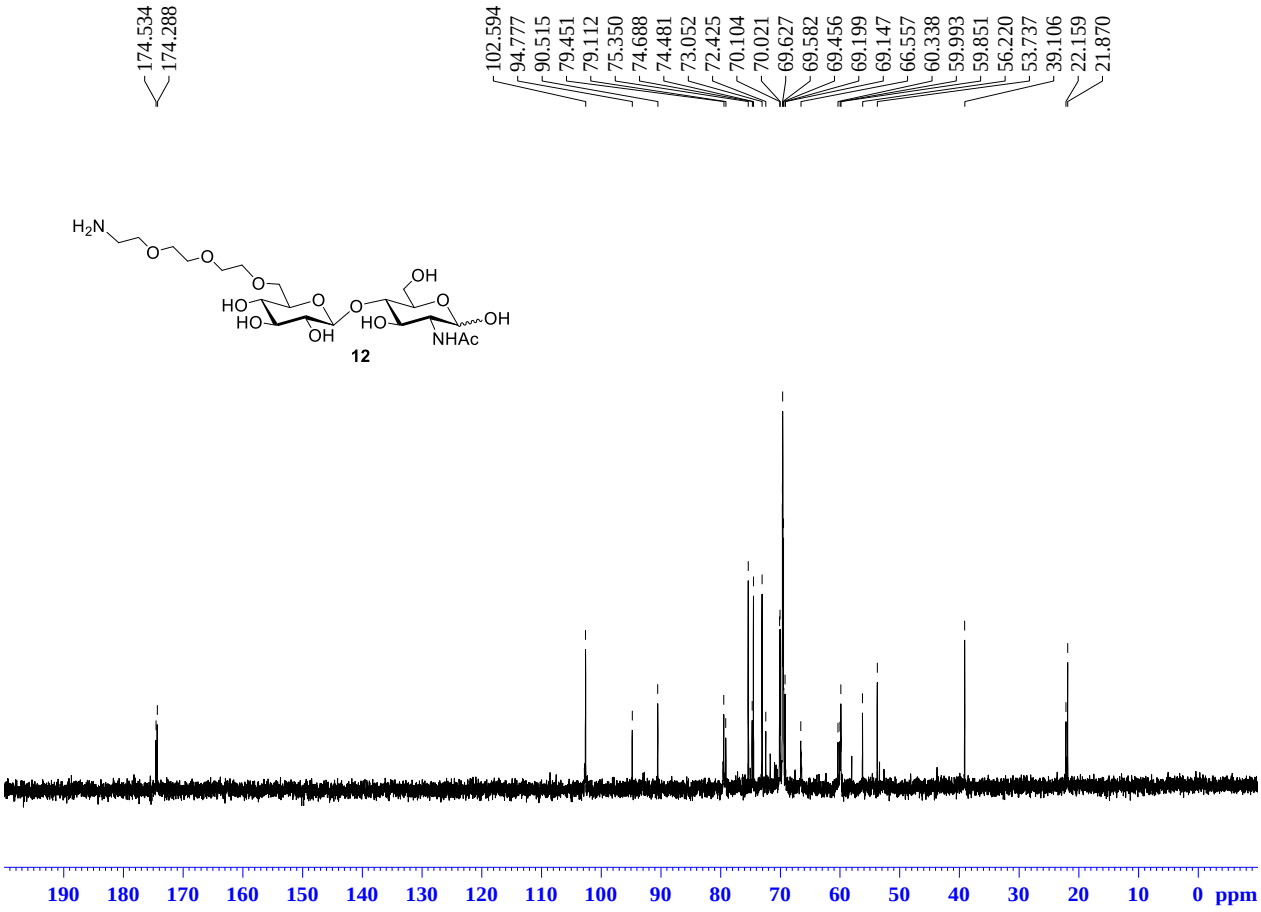
Compound 11: ^{1}H NMR ($CDCl_3$, 400 MHz)



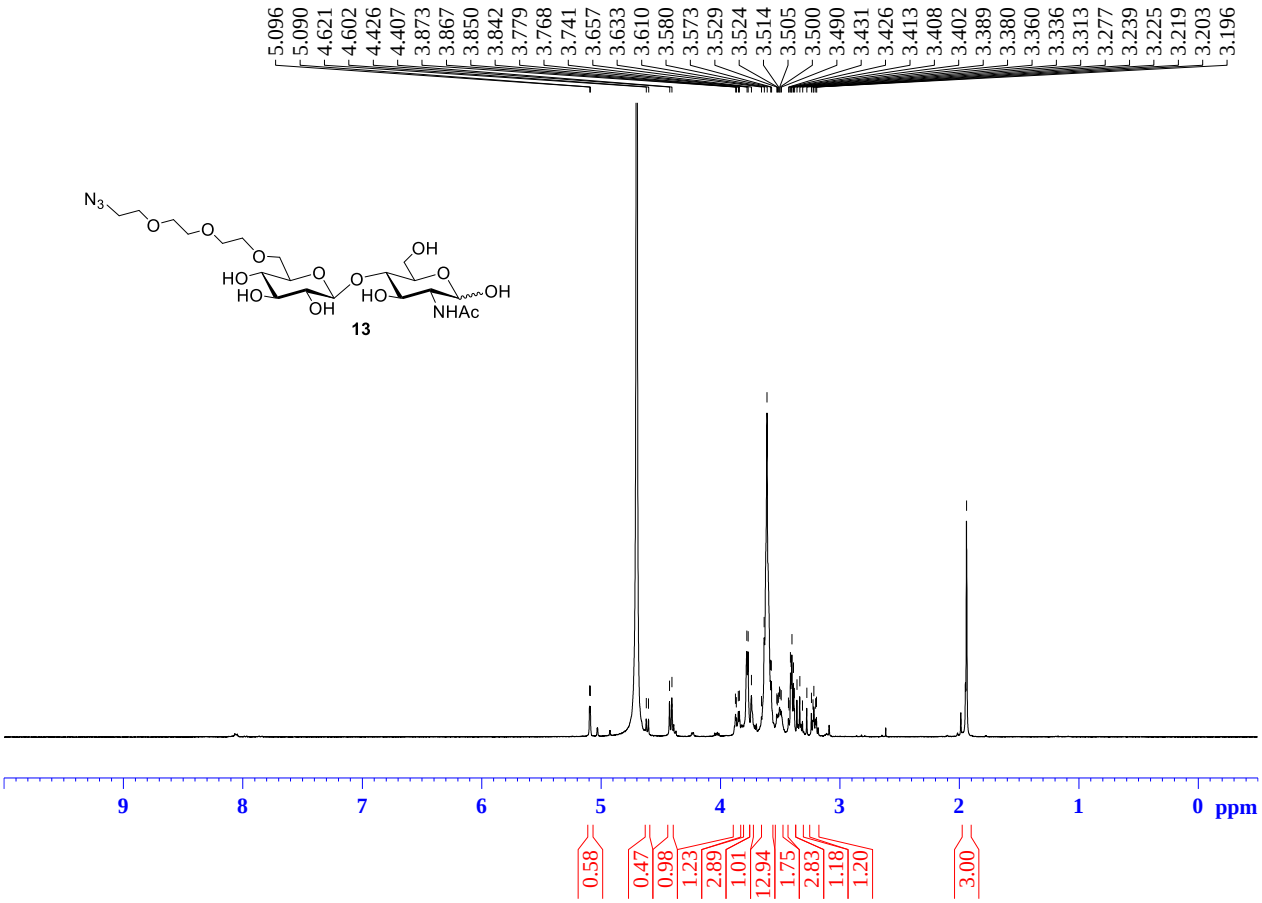
Compound 11: ^{13}C and Dept-135 NMR ($CDCl_3$, 100 MHz)



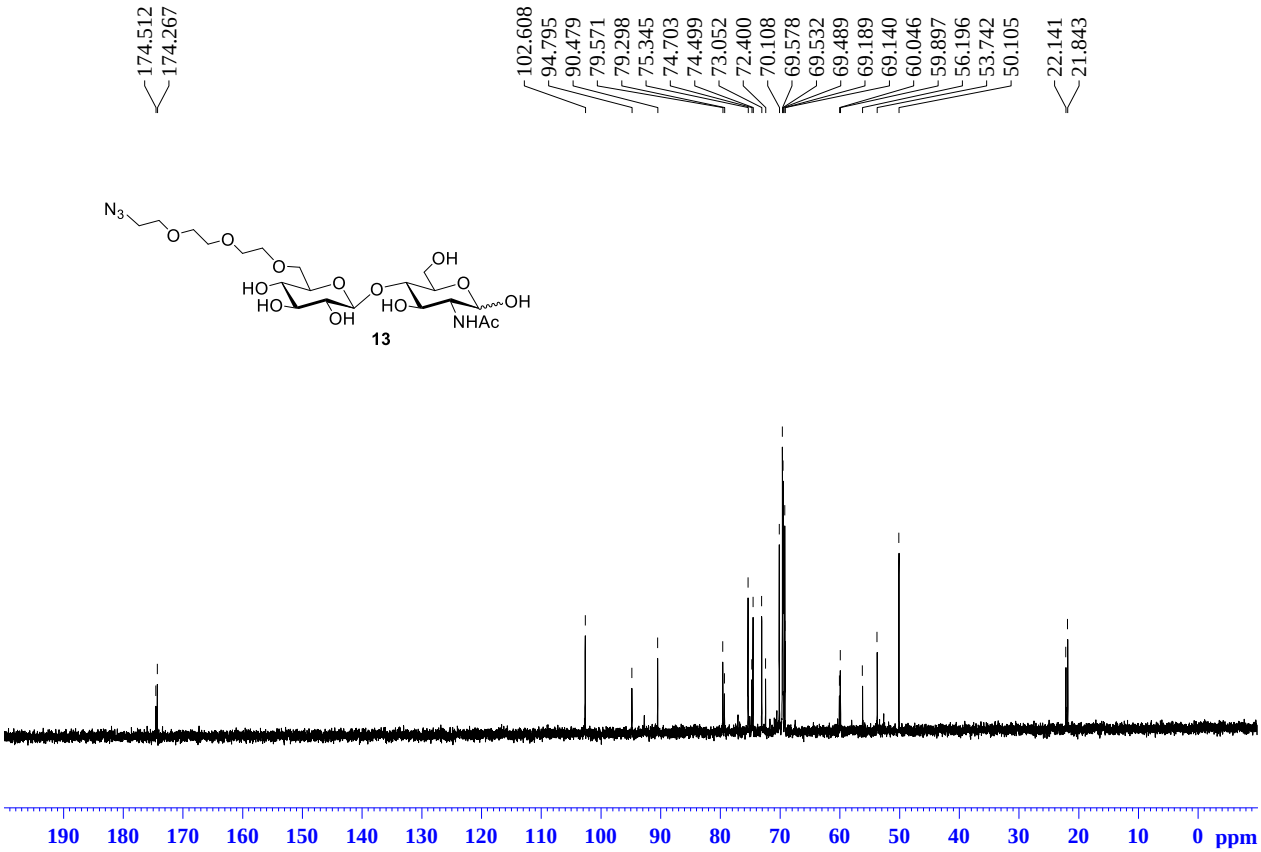
Compound 12: ^{1}H NMR (D_2O, 400 MHz)



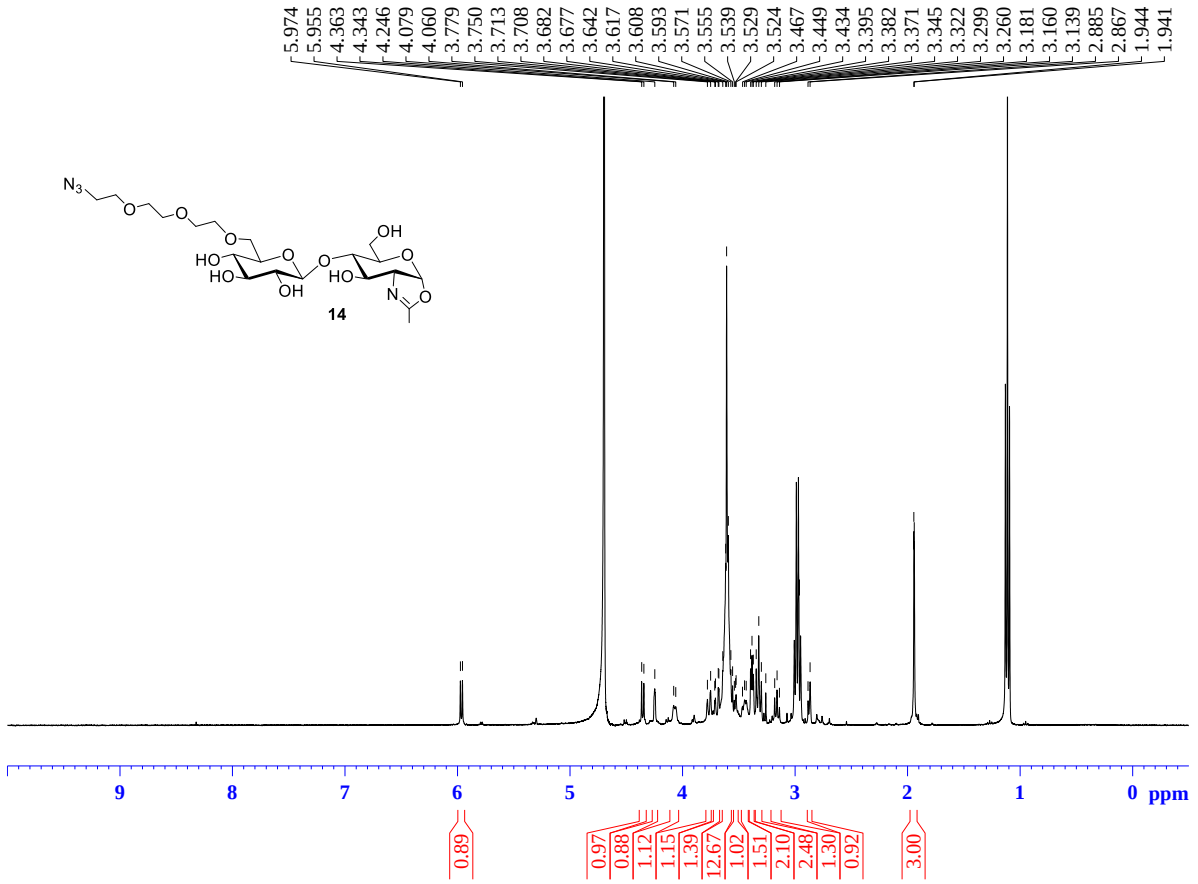
Compound 12: ^{13}C NMR (D_2O, 100 MHz)



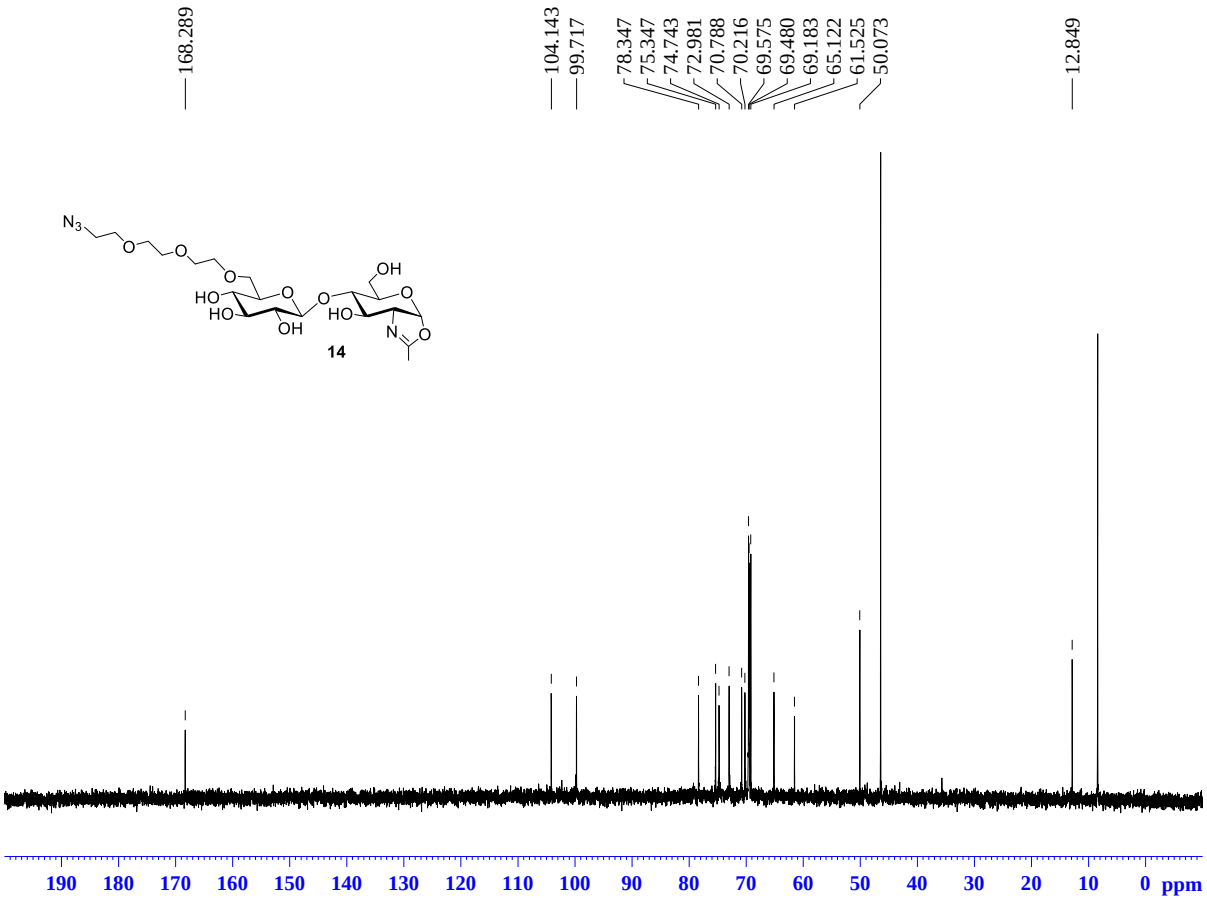
Compound 13: ^{1}H NMR (D_2O, 400 MHz)



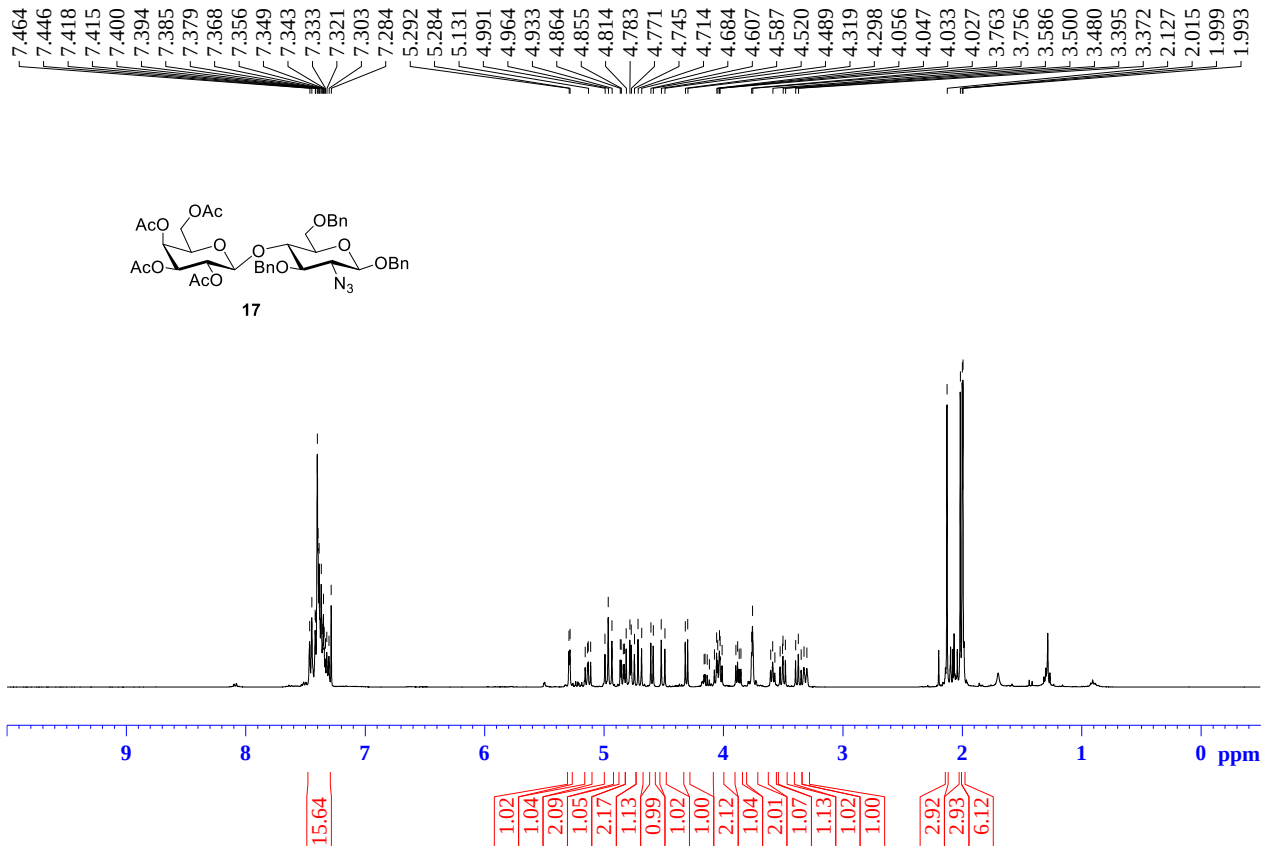
Compound 13: ^{13}C NMR (D_2O, 100 MHz)



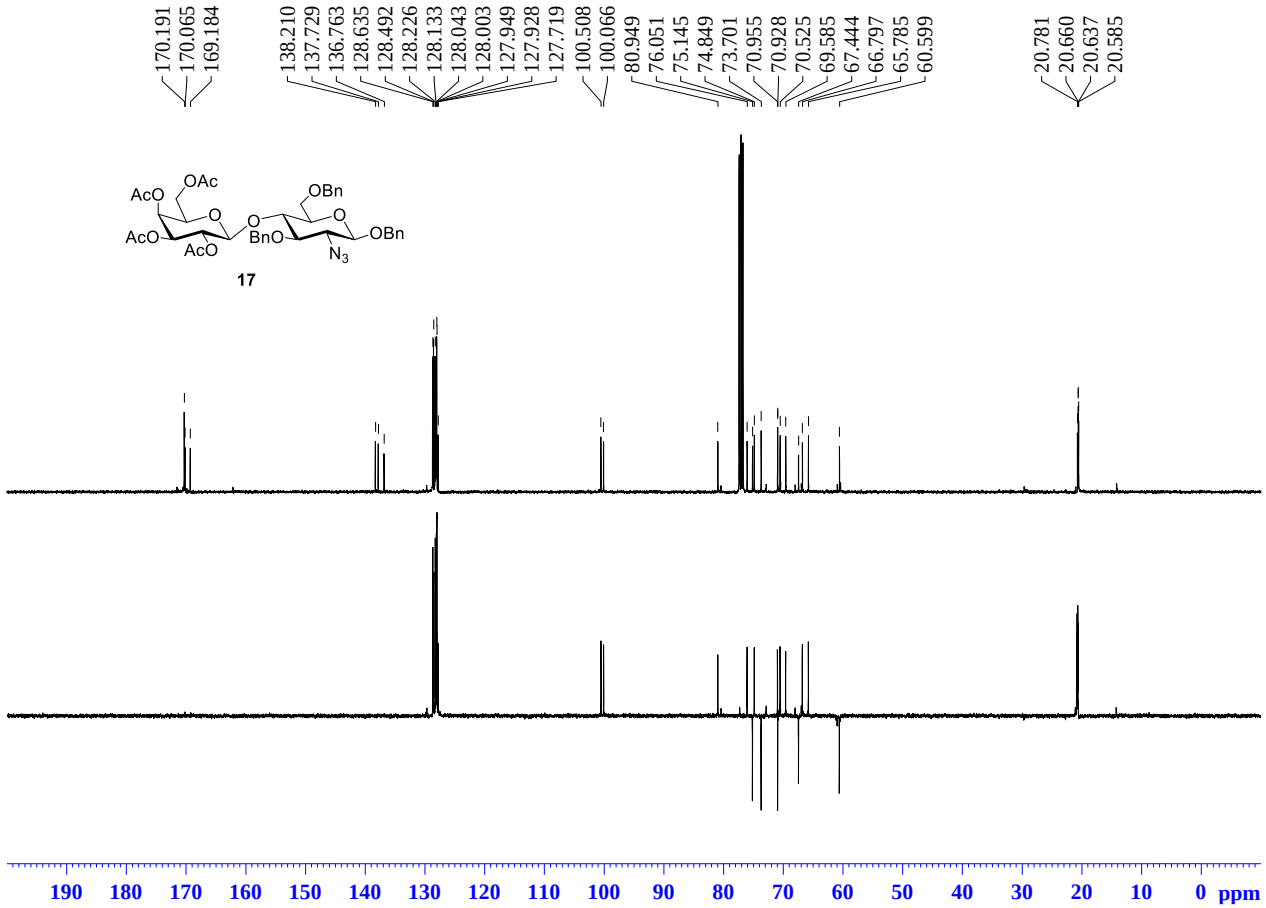
Compound 14: ^{1}H NMR (D_2O, 400 MHz)



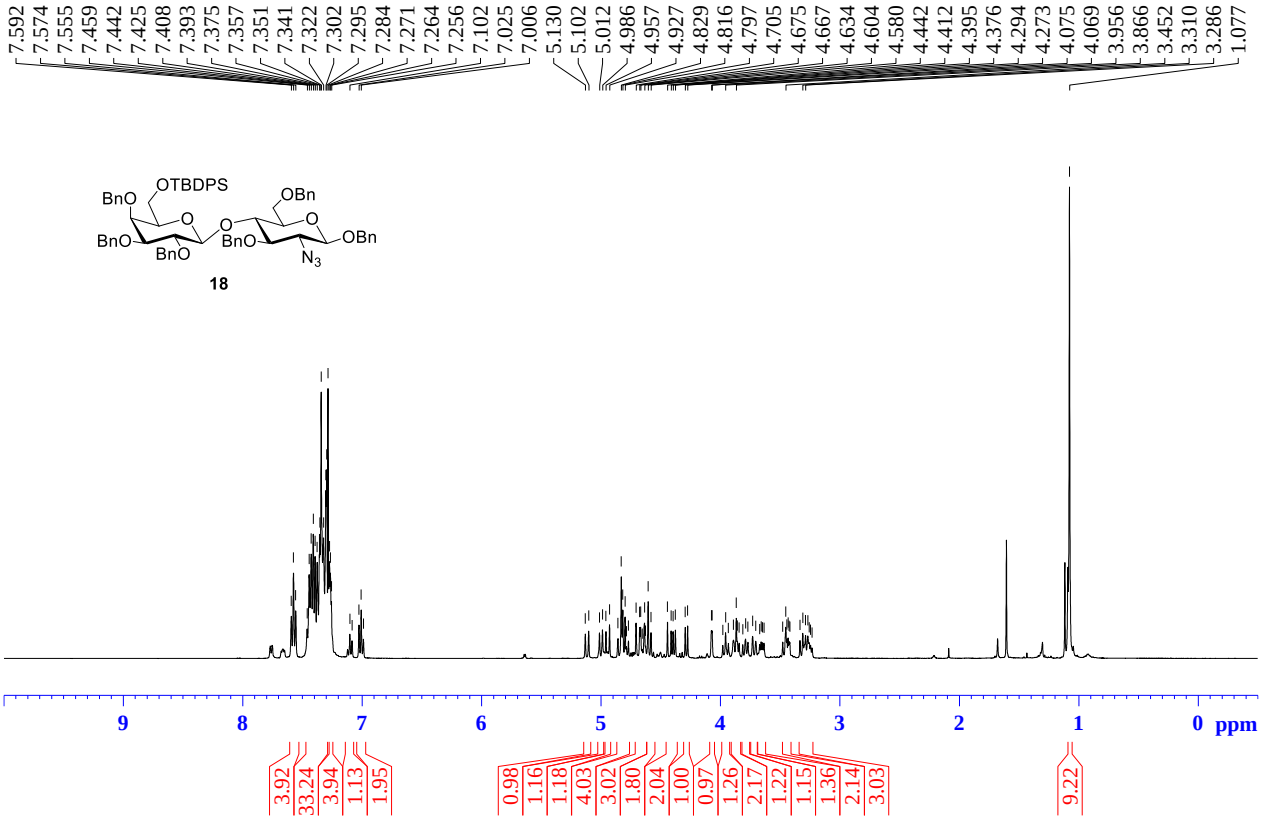
Compound 14: ^{13}C NMR (D_2O, 100 MHz)



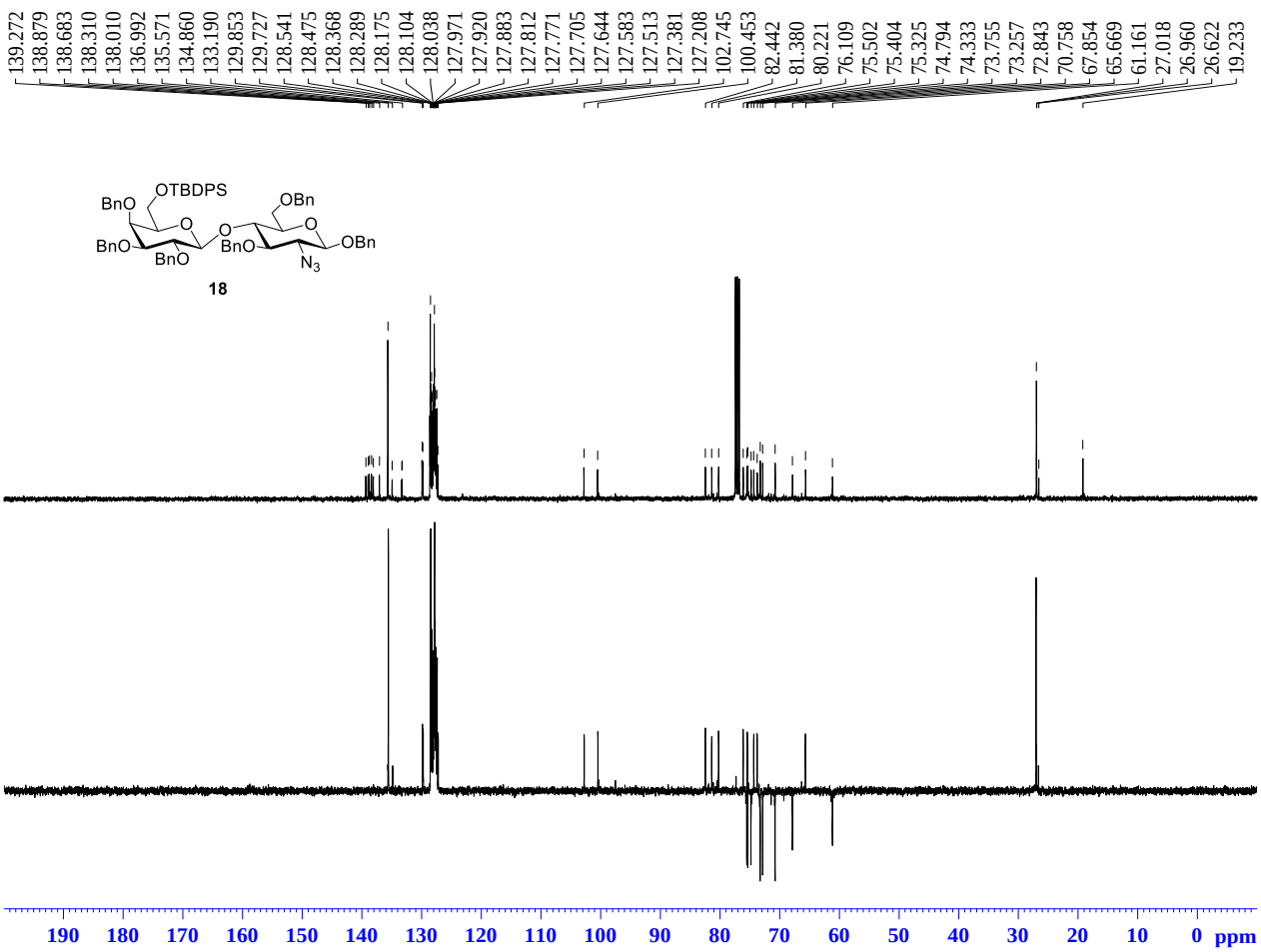
Compound 17: ^{1}H NMR ($CDCl_3$, 400 MHz)



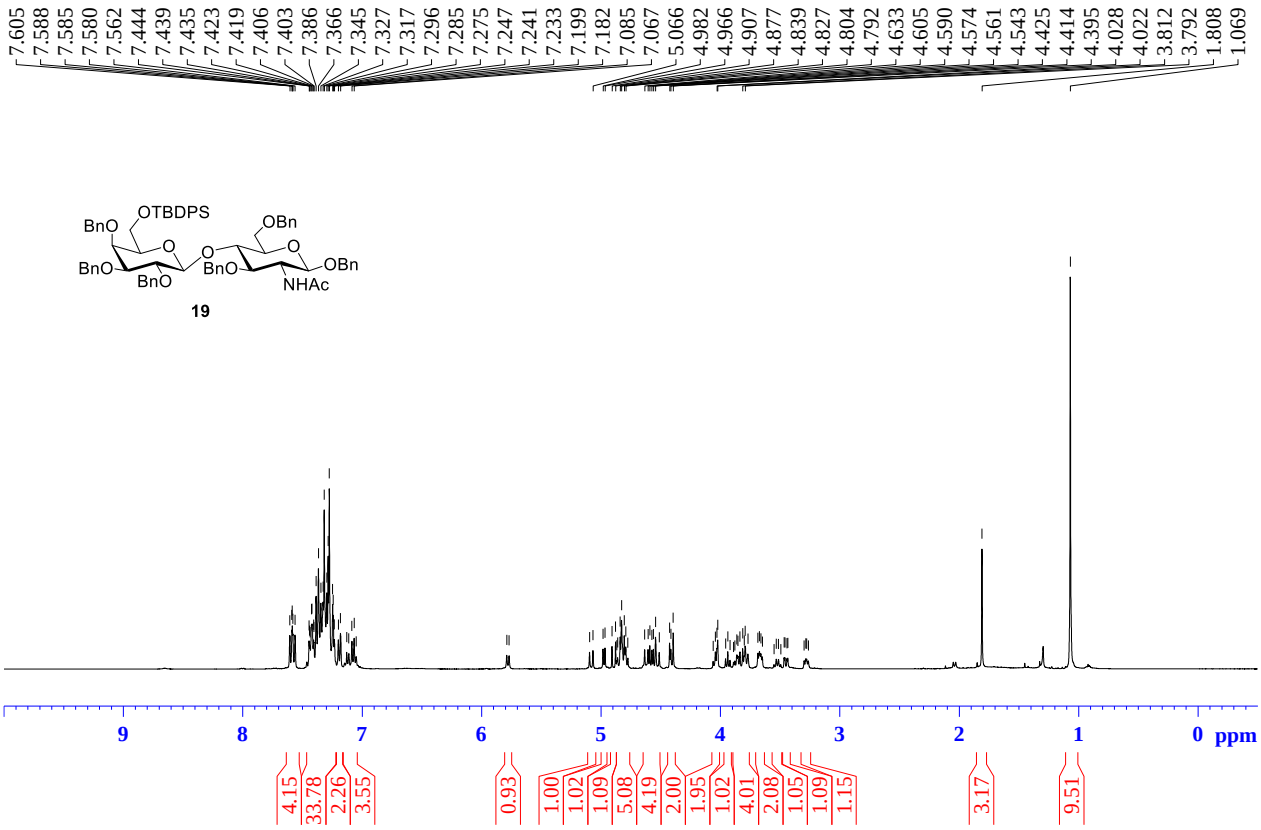
Compound 17: ^{13}C and Dept-135 NMR ($CDCl_3$, 100 MHz)



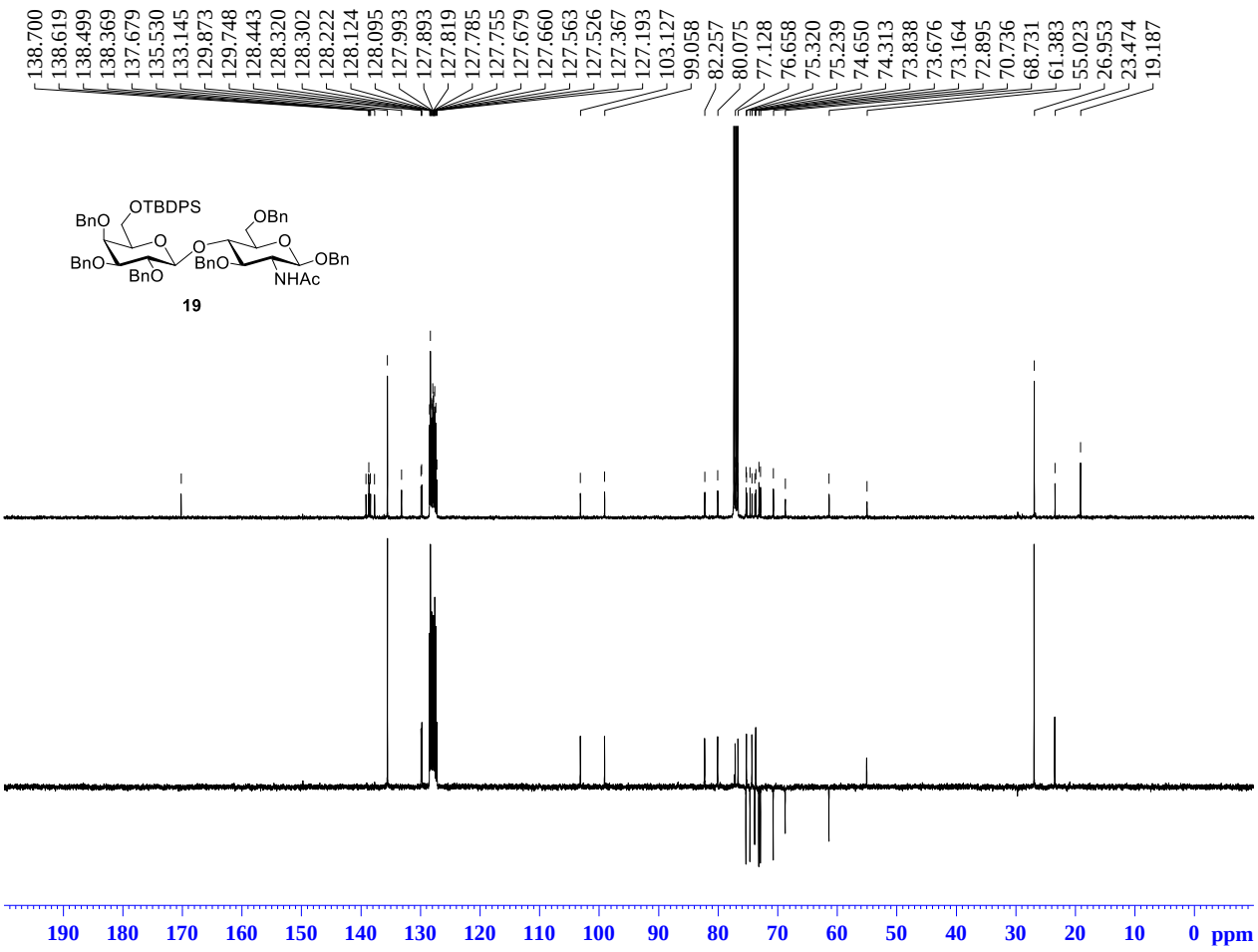
Compound 18: ^{1}H NMR ($CDCl_3$, 400 MHz)



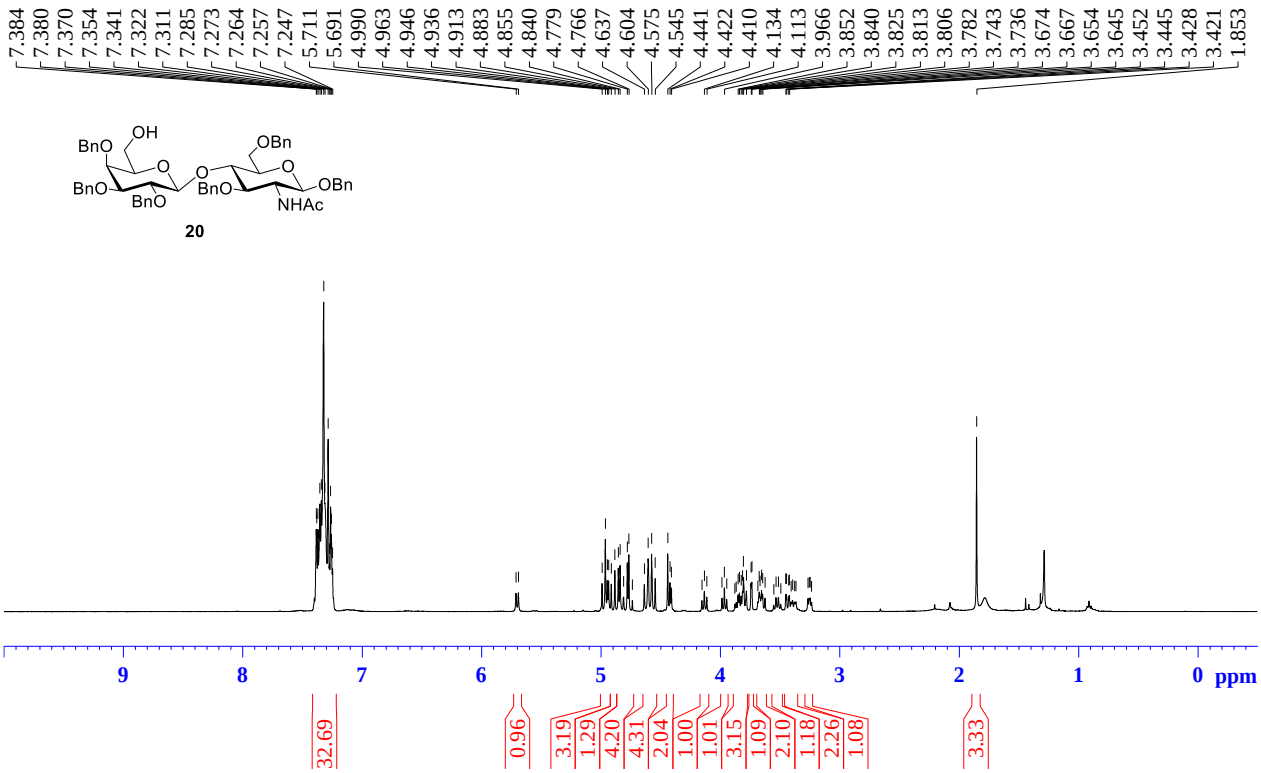
Compound 18: ^{13}C and Dept-135 NMR ($CDCl_3$, 100 MHz)



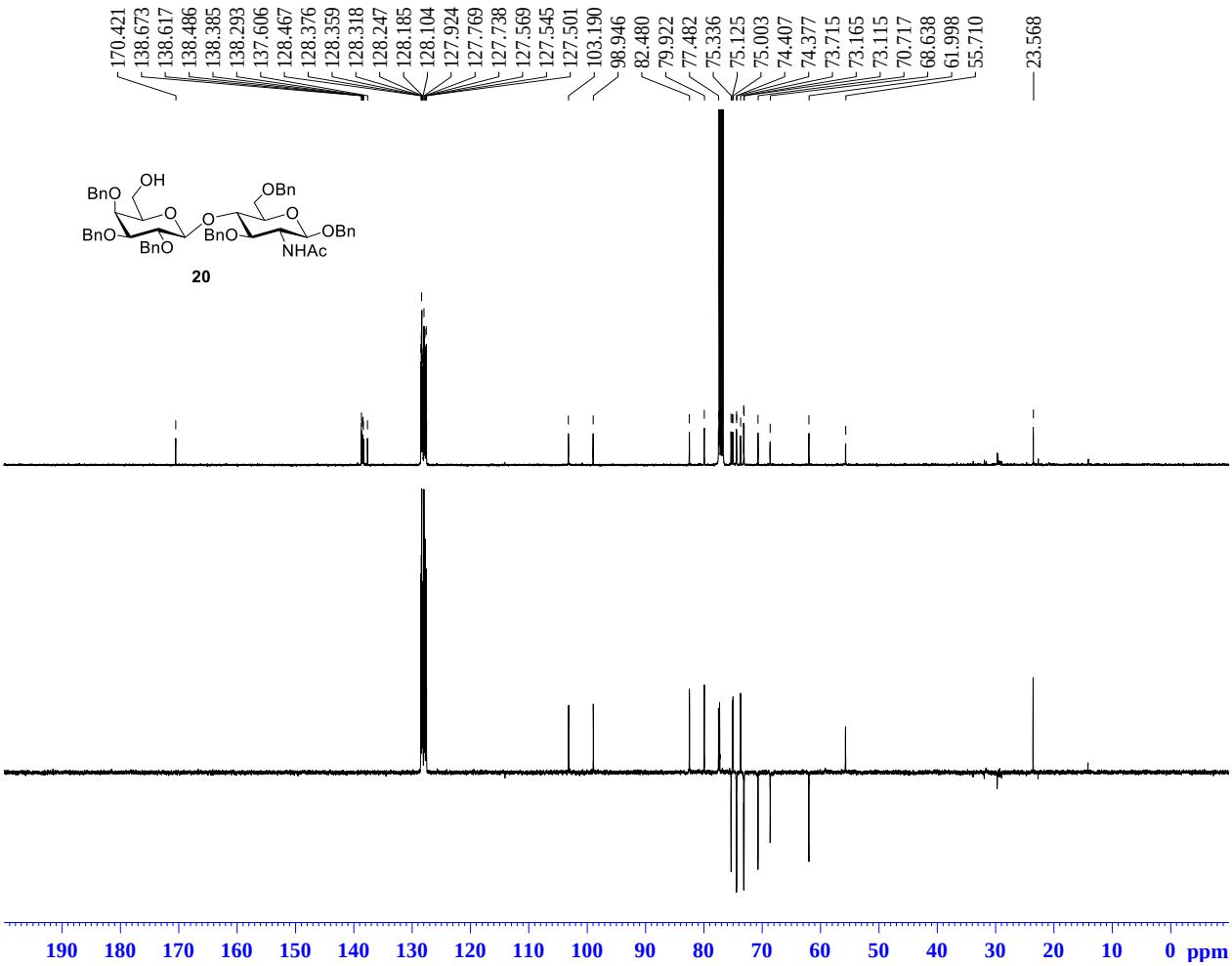
Compound 19: ^{1}H NMR ($CDCl_3$, 400 MHz)



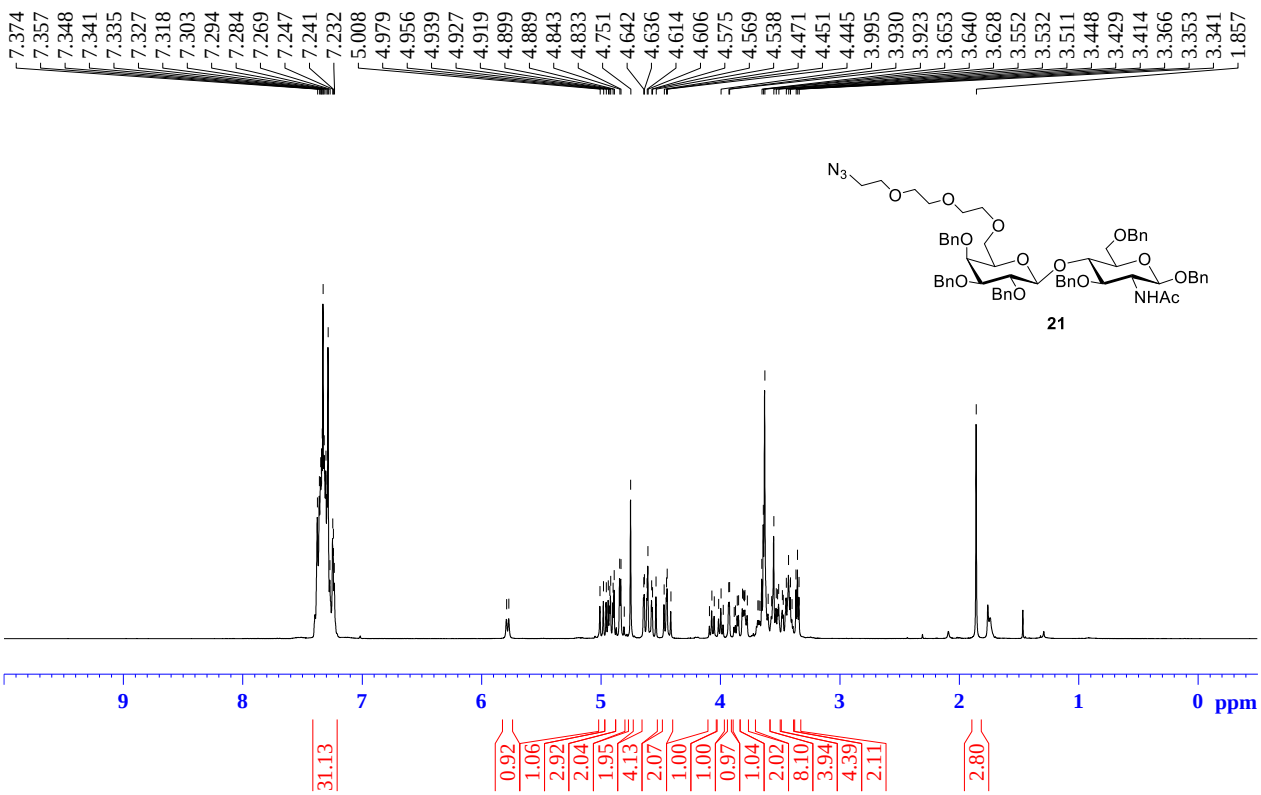
Compound 19: ^{13}C and Dept-135 NMR ($CDCl_3$, 100 MHz)



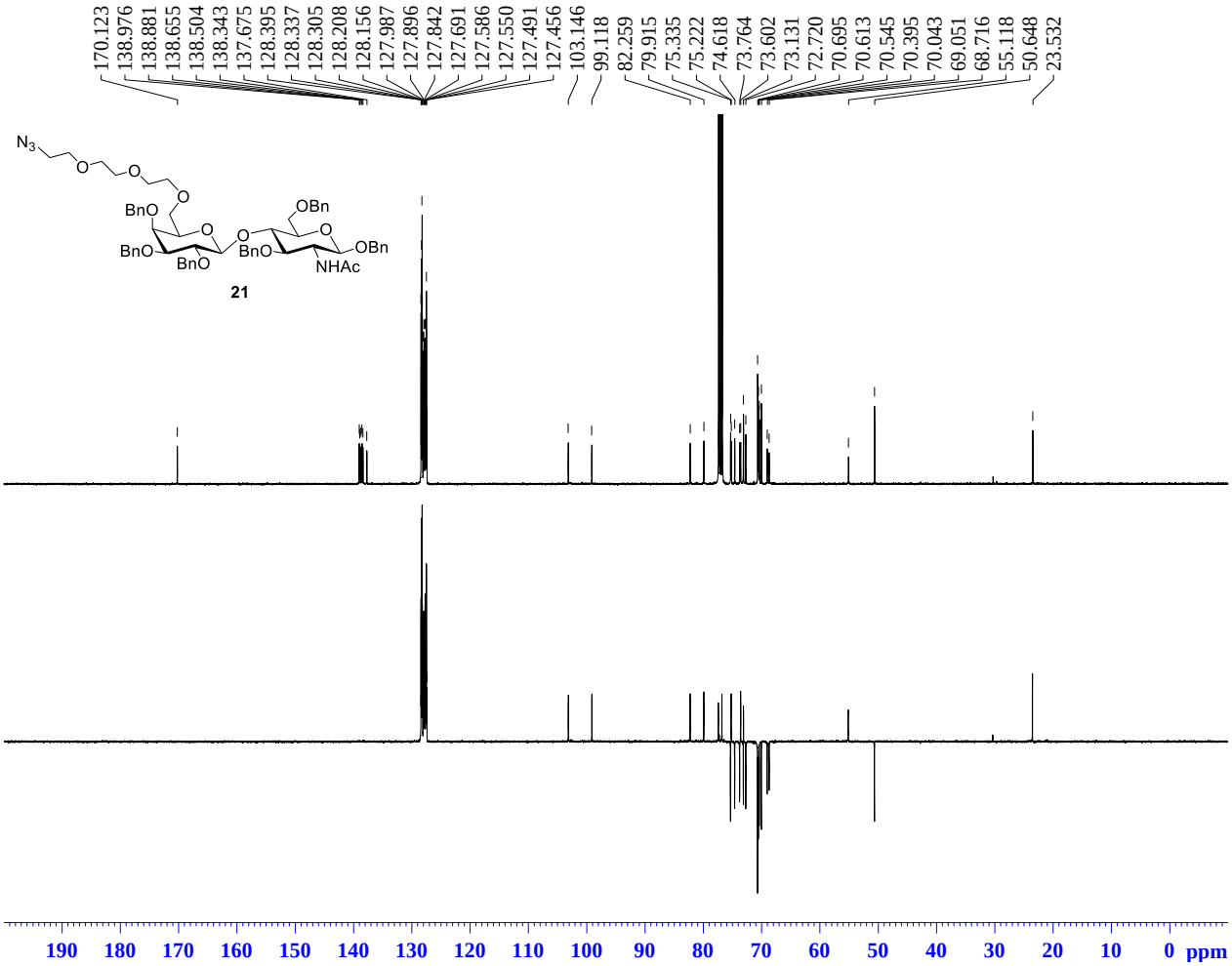
Compound 20: ^{1}H NMR ($CDCl_3$, 400 MHz)



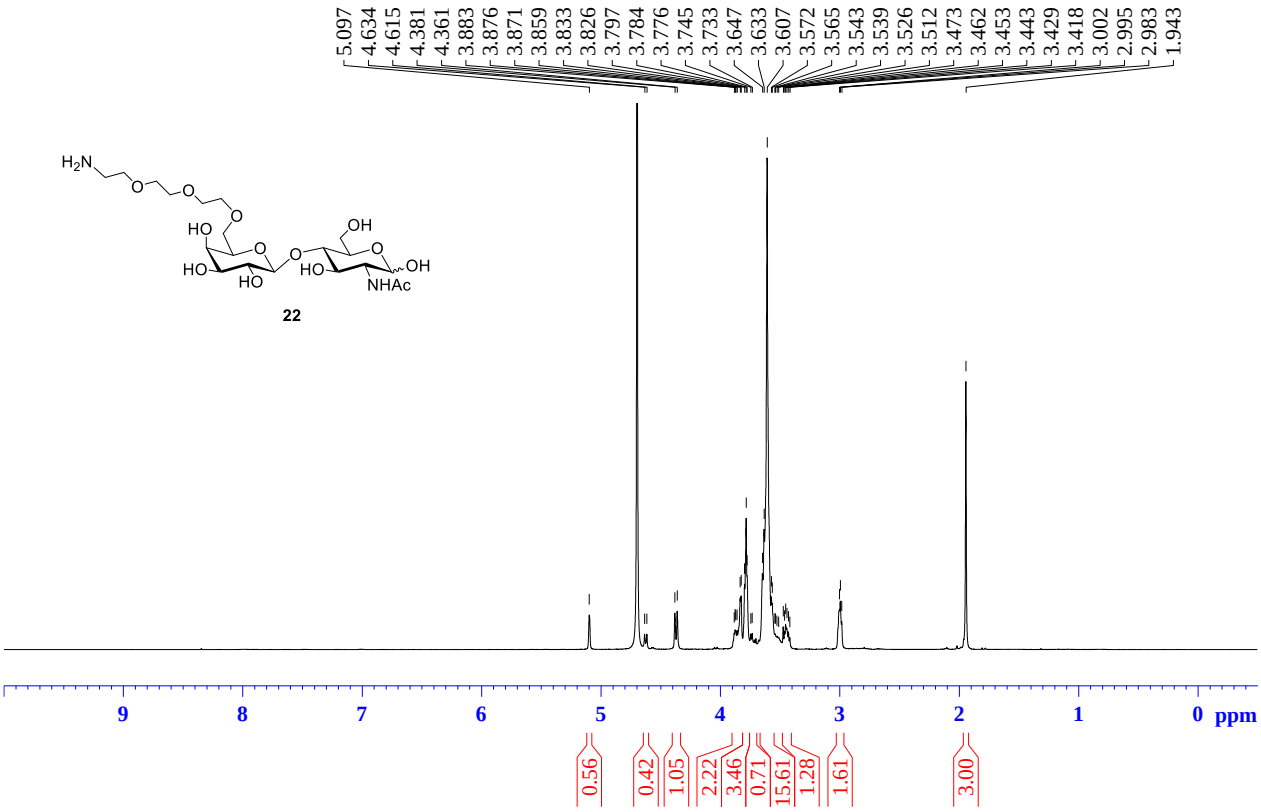
Compound 20: ^{13}C and Dept-135 NMR ($CDCl_3$, 100 MHz)



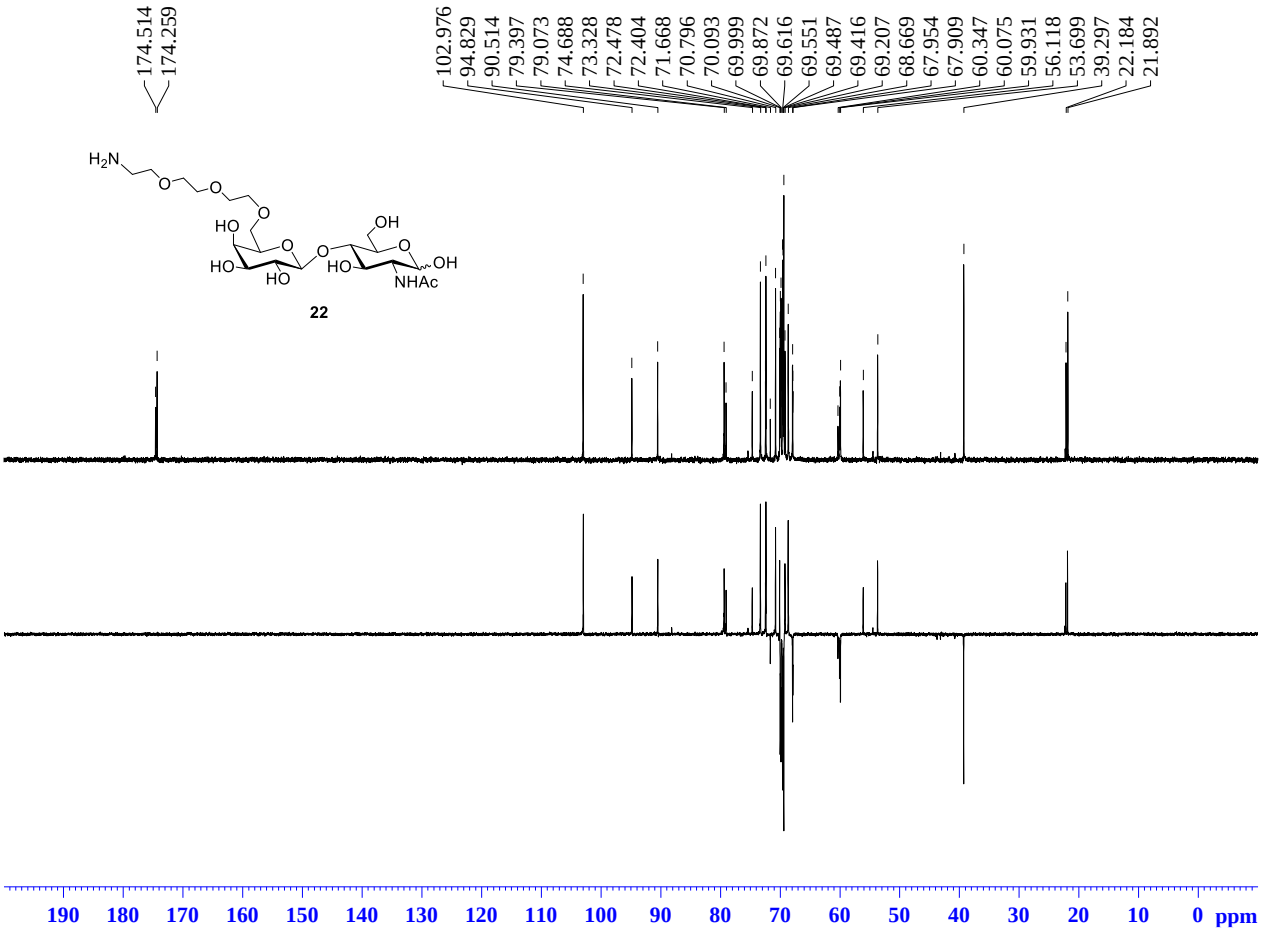
Compound 21: ^{1}H NMR ($CDCl_3$, 400 MHz)



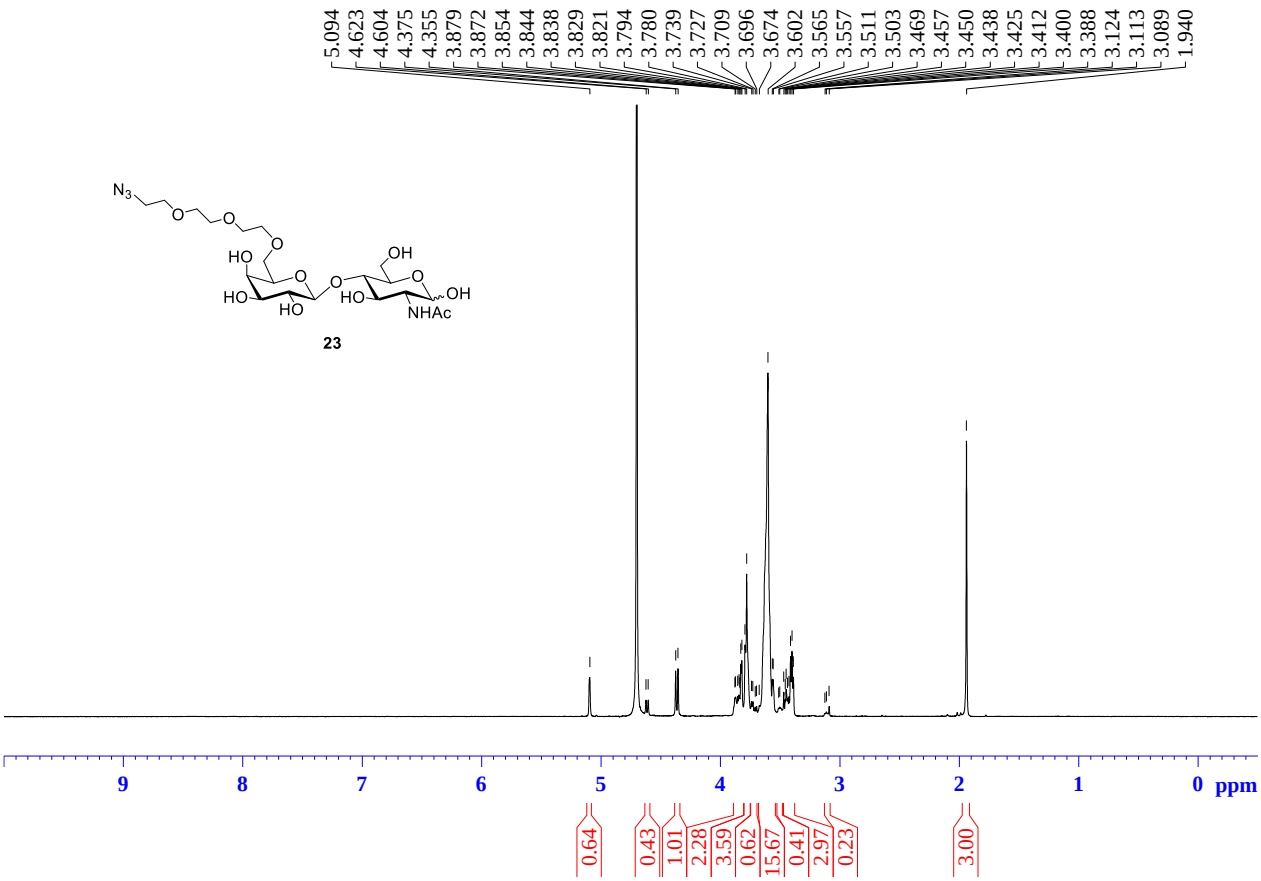
Compound 21: ^{13}C and Dept-135 NMR ($CDCl_3$, 100 MHz)



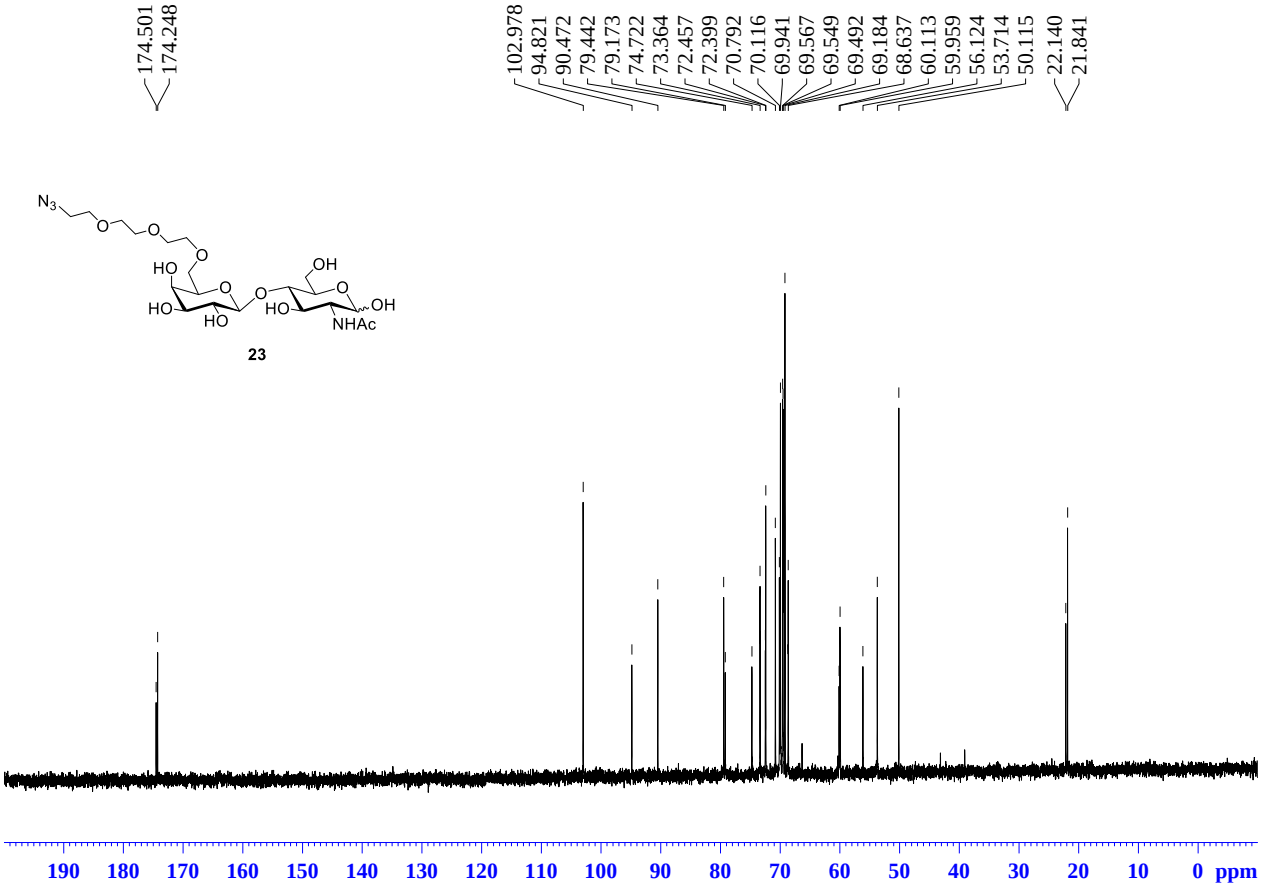
Compound 22: ^{1}H NMR (D_2O, 400 MHz)



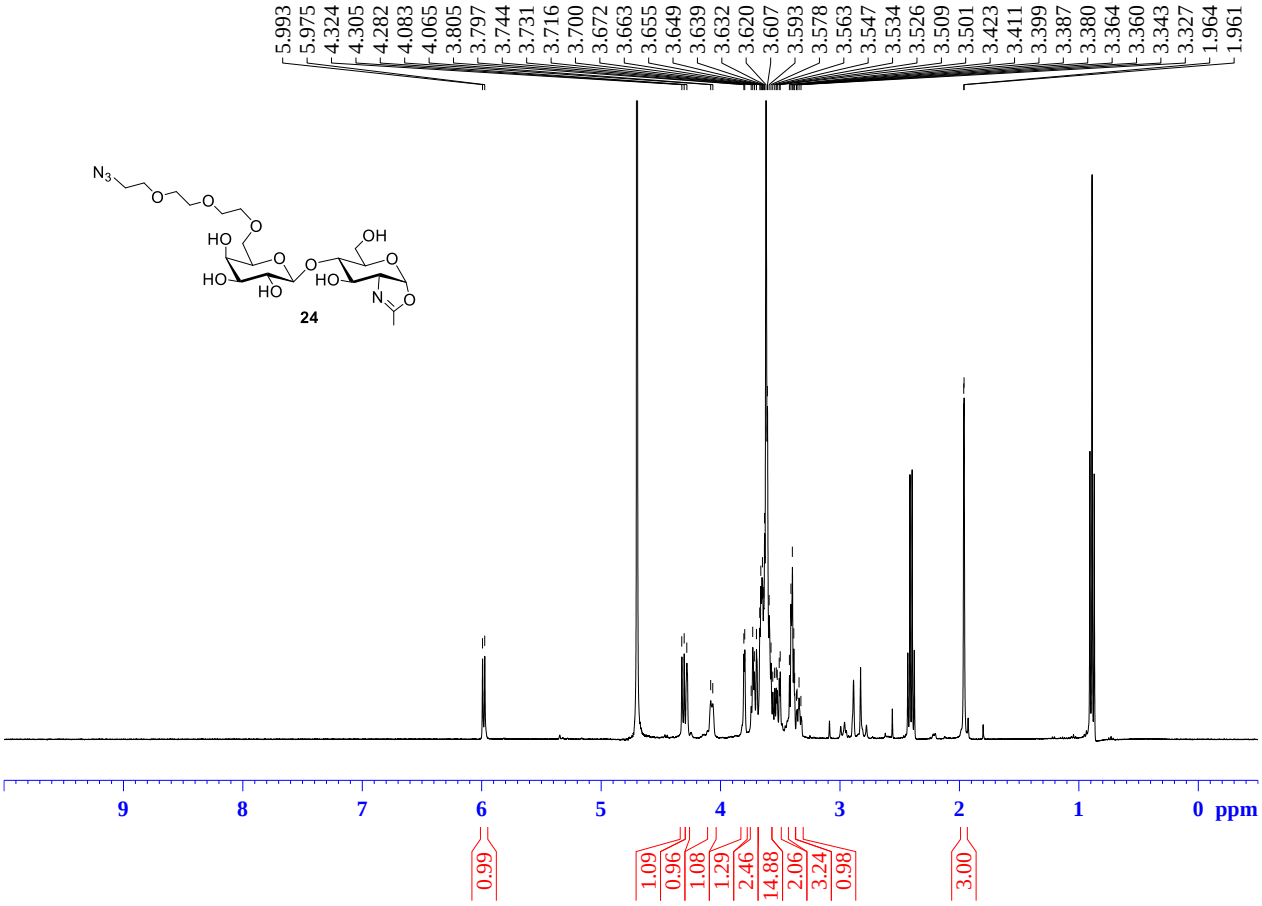
Compound 22: ^{13}C and Dept-135 NMR (D_2O, 100 MHz)



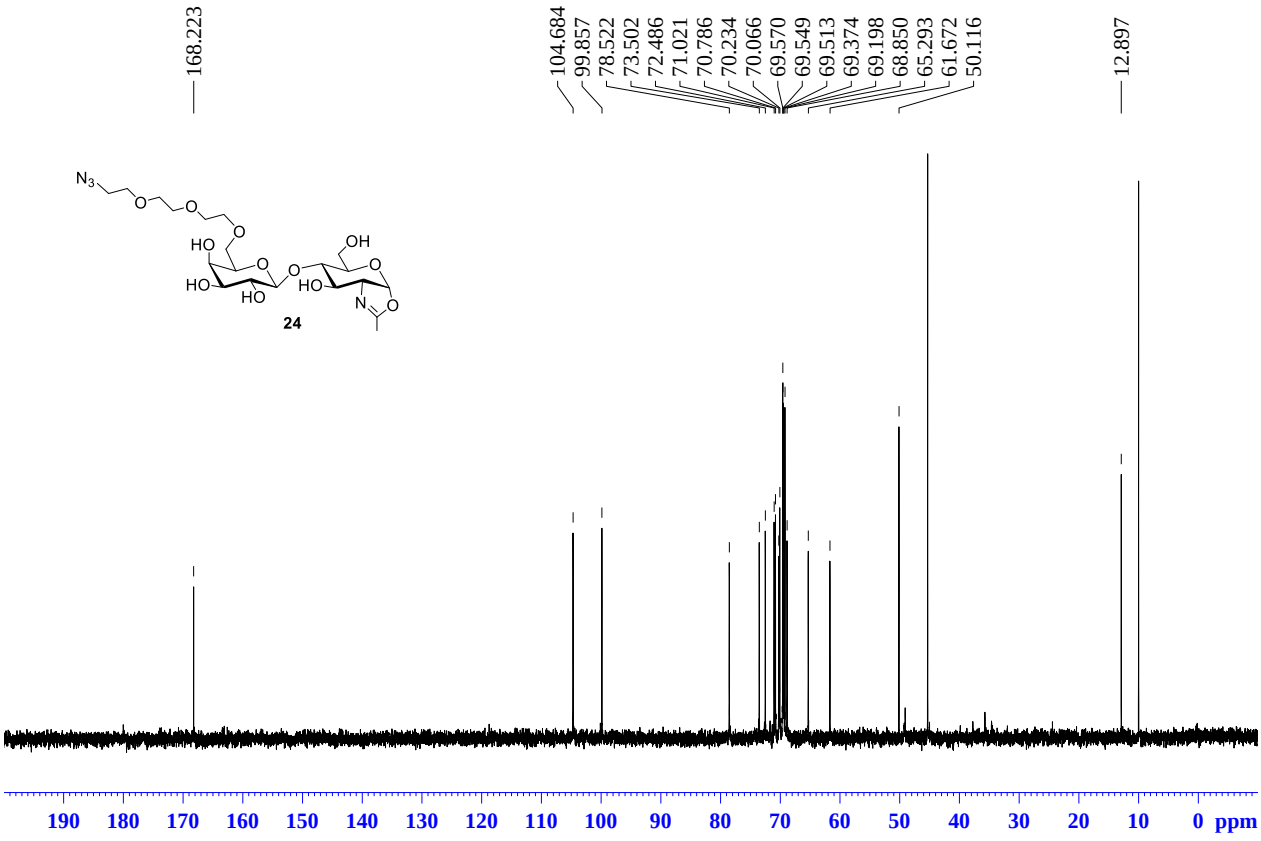
Compound 23: ^{1}H NMR (D_2O, 400 MHz)



Compound 23: ^{13}C NMR (D_2O, 100 MHz)



Compound 24: ^{1}H NMR (D_2O, 400 MHz)



Compound 24: ^{13}C NMR (D_2O, 100 MHz)