

Improved synthesis of 1-*O*-Acyl- β -D-glucopyranose Tetraacetates

Yu Chen,^{1,2} Huan Lu,² Yanyu Chen,¹ Wansheng Yu,² Hui Dai,² Xianhua Pan^{1,2,}*

- 1) School of Perfume and Aroma Technology, Shanghai Institute of Technology,
100 Haiquan Rd., Shanghai, 201418, P.R. China.
- 2) Shanghai Research Institute of Fragrance and Flavor Industry, 480 Nanning Rd.,
Shanghai, 200232, P.R. China.

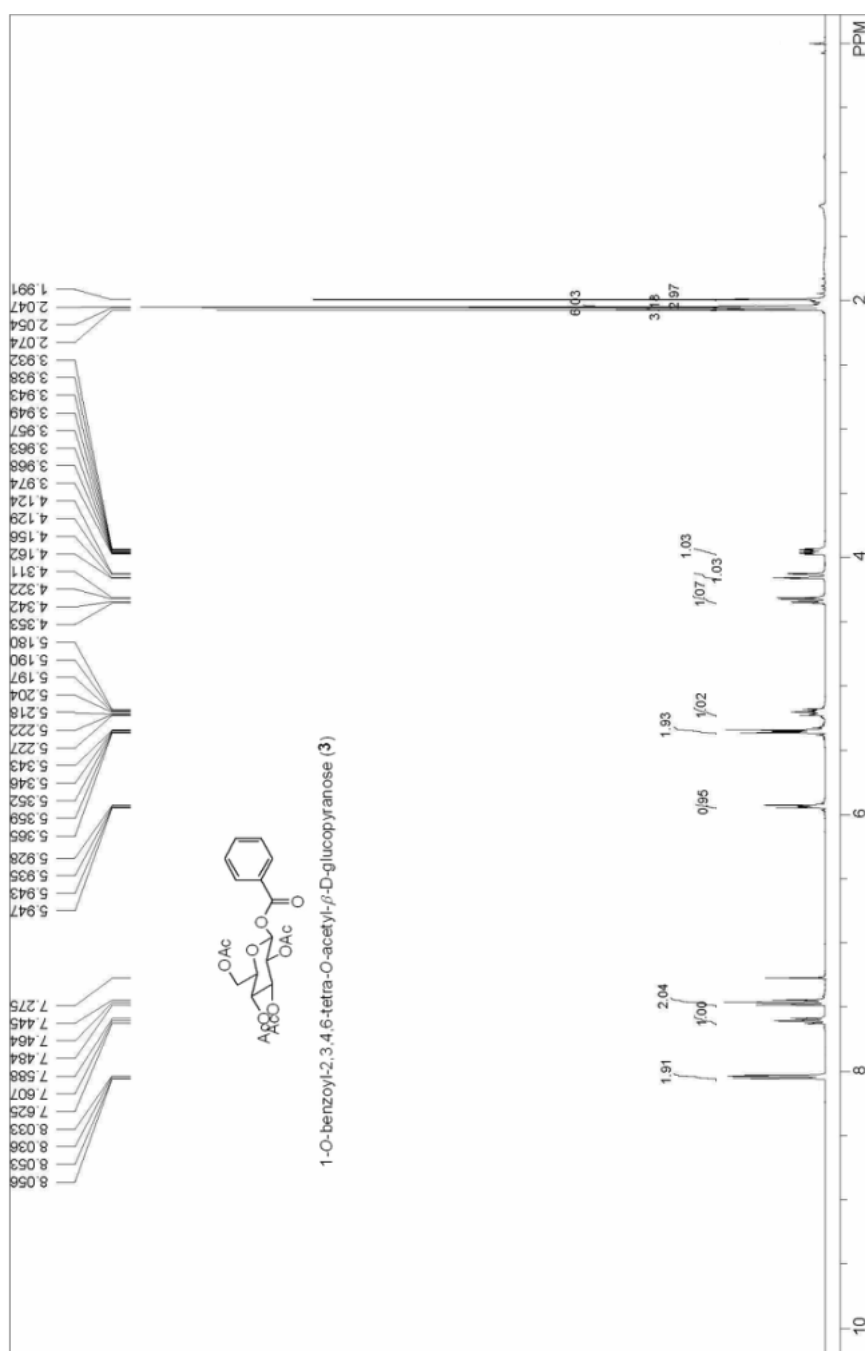


Figure S1. ^1H NMR spectrum of compound **3**

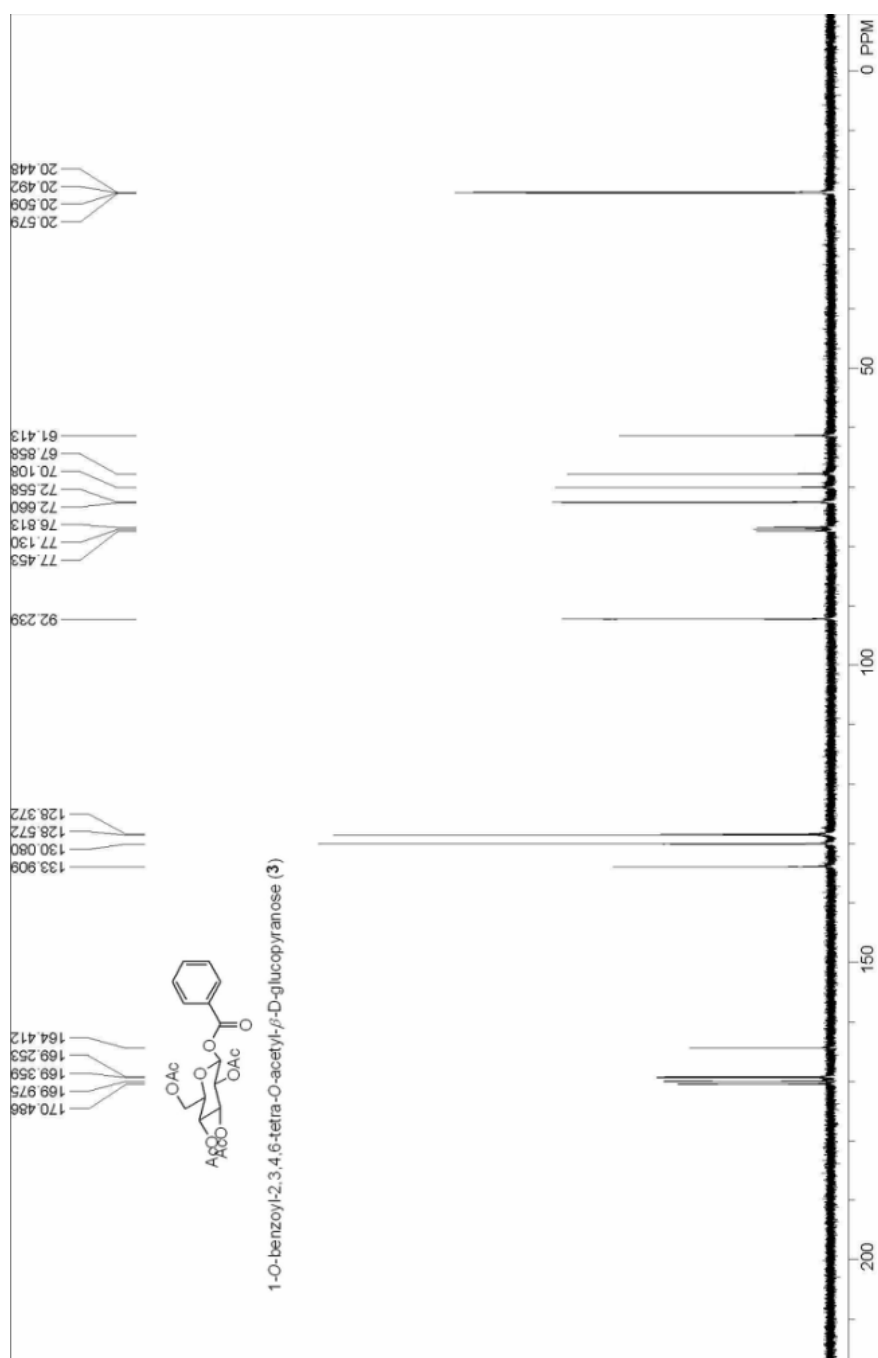


Figure S2. ¹³C NMR spectrum of compound 3

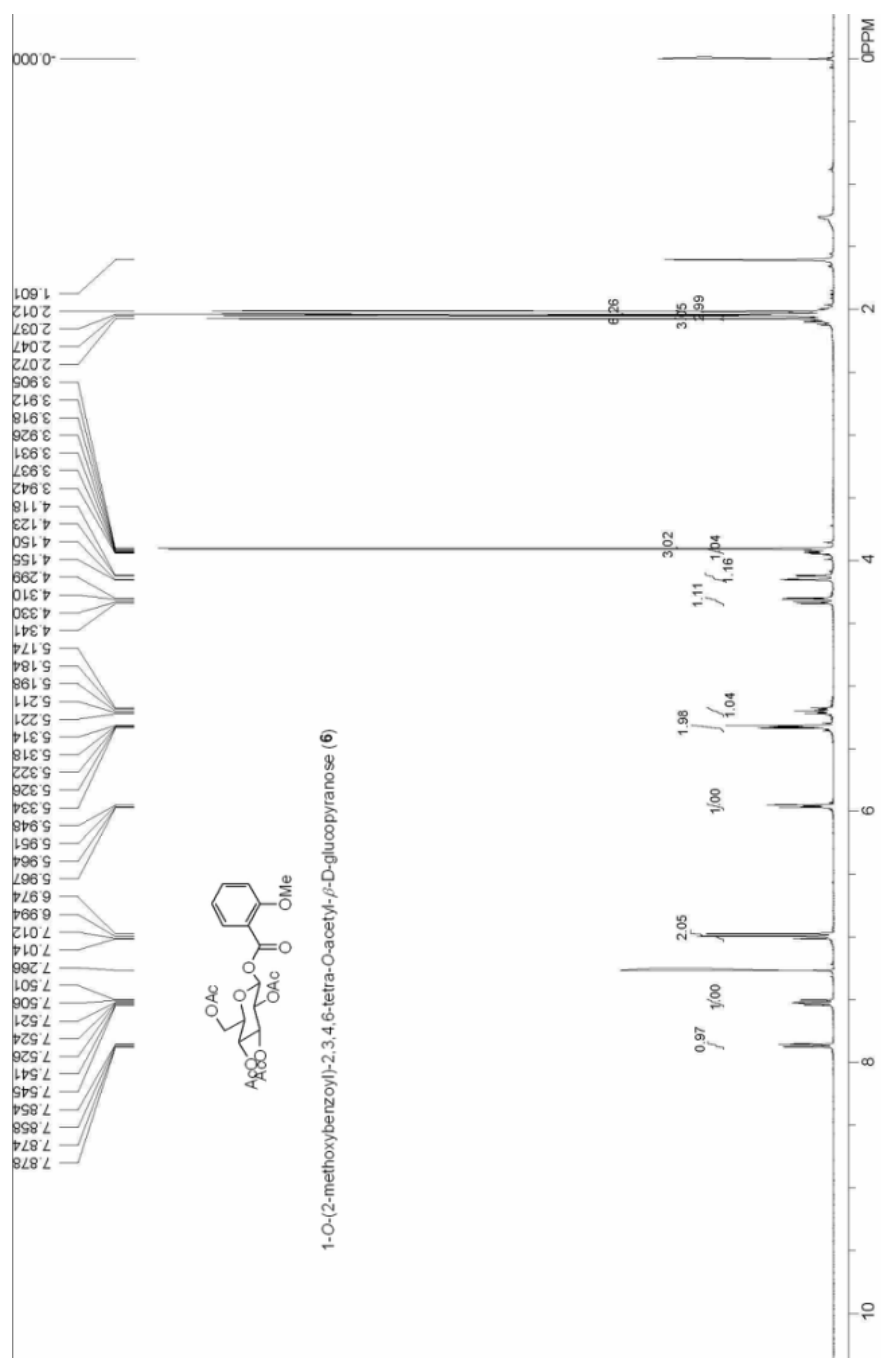


Figure S3. ¹H NMR spectrum of compound **6**

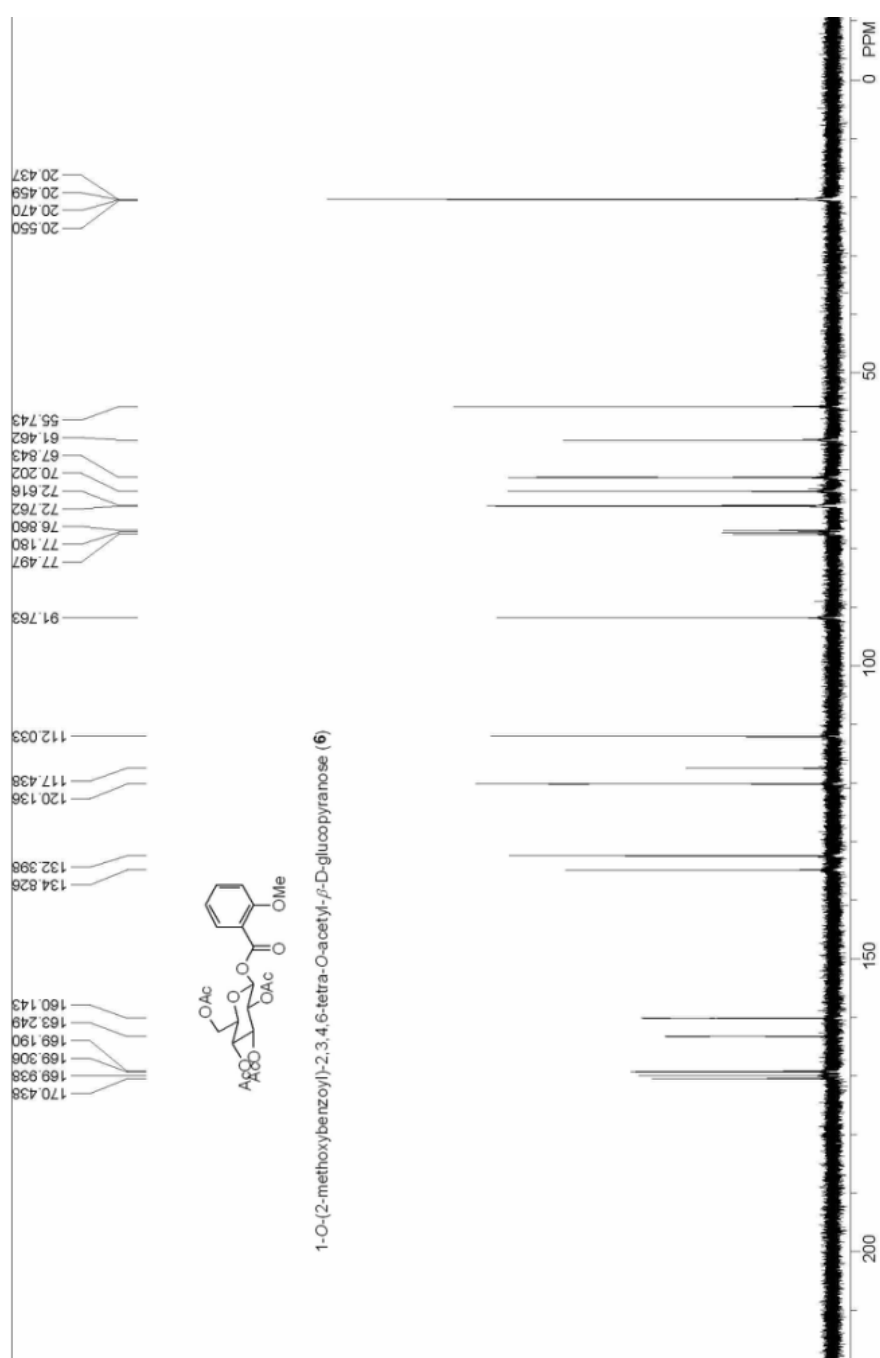


Figure S4. ^{13}C NMR spectrum of compound **6**

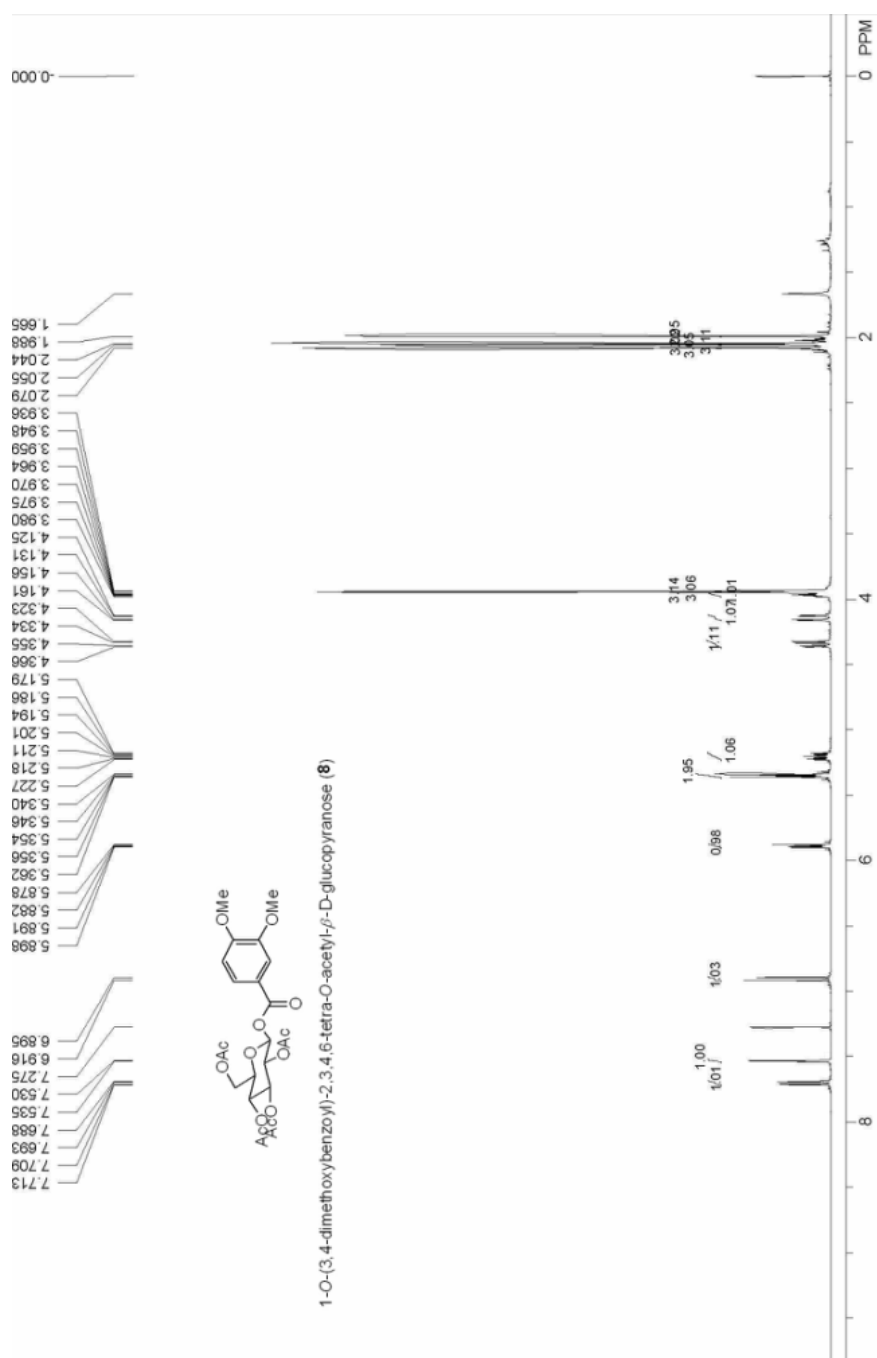


Figure S5. ¹H NMR spectrum of compound **8**

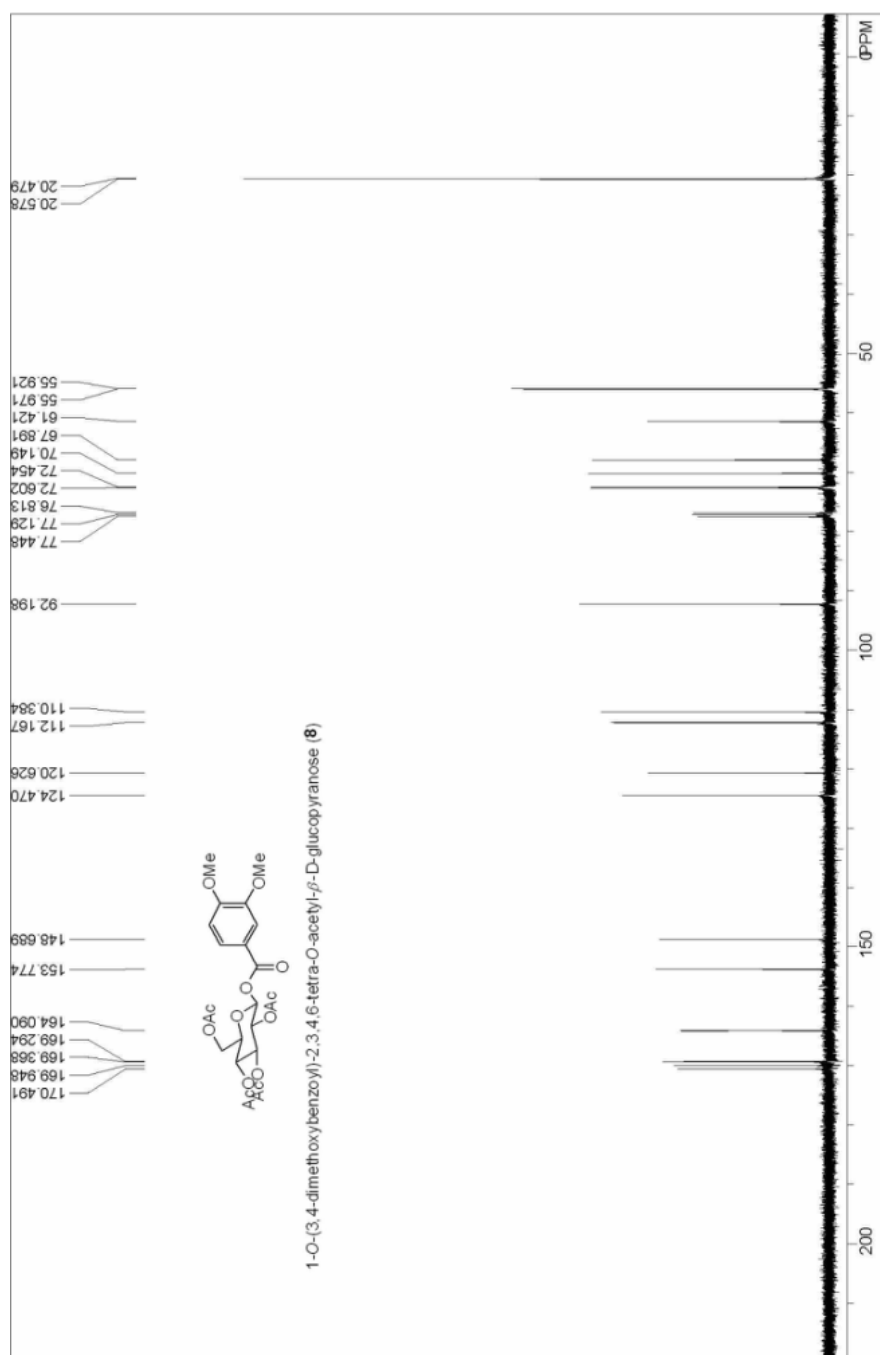


Figure S6. ¹³C NMR spectrum of compound **8**

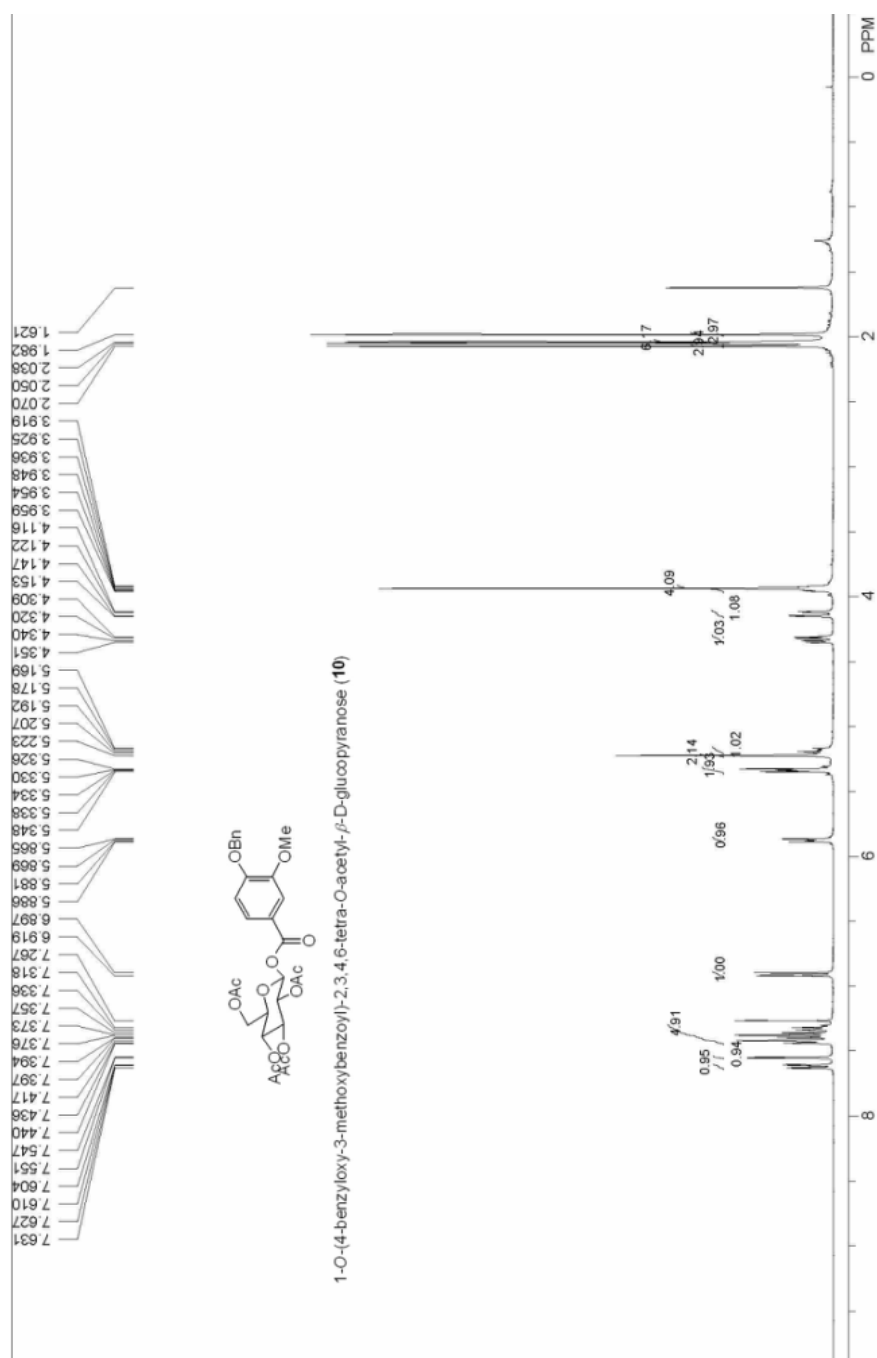


Figure S7. ¹H NMR spectrum of compound **10**

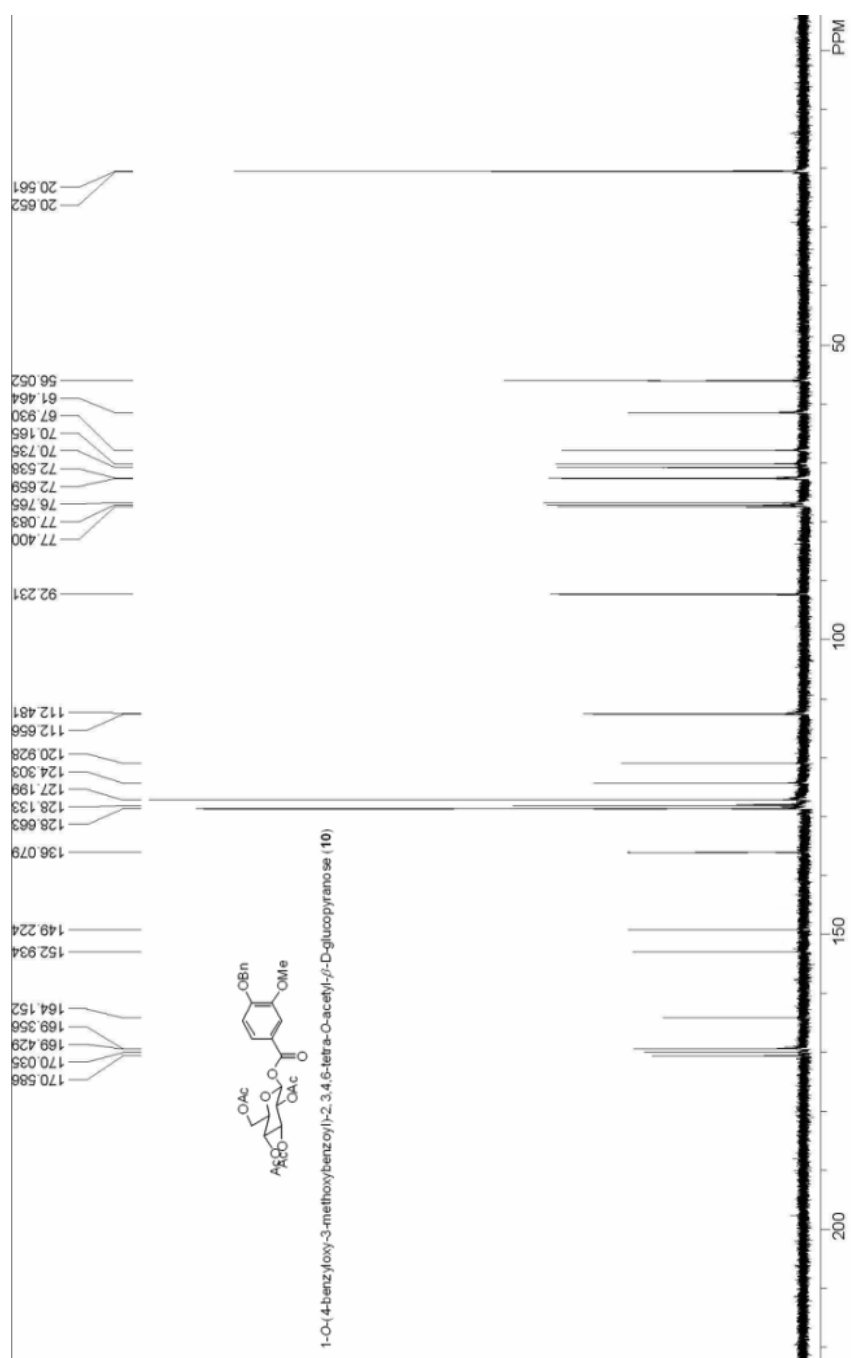


Figure S8. ^{13}C NMR spectrum of compound **10**

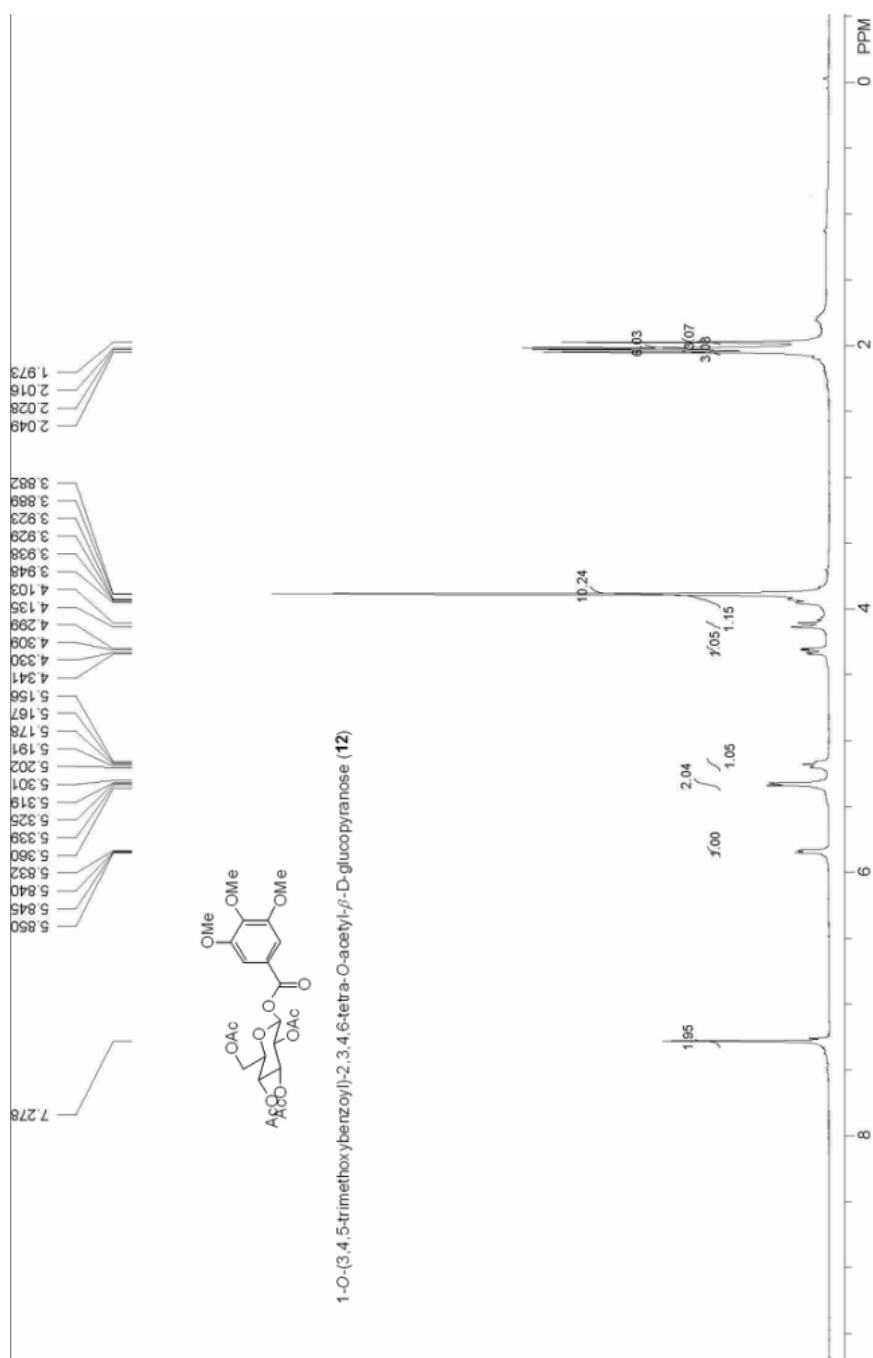


Figure S9. ¹H NMR spectrum of compound 12

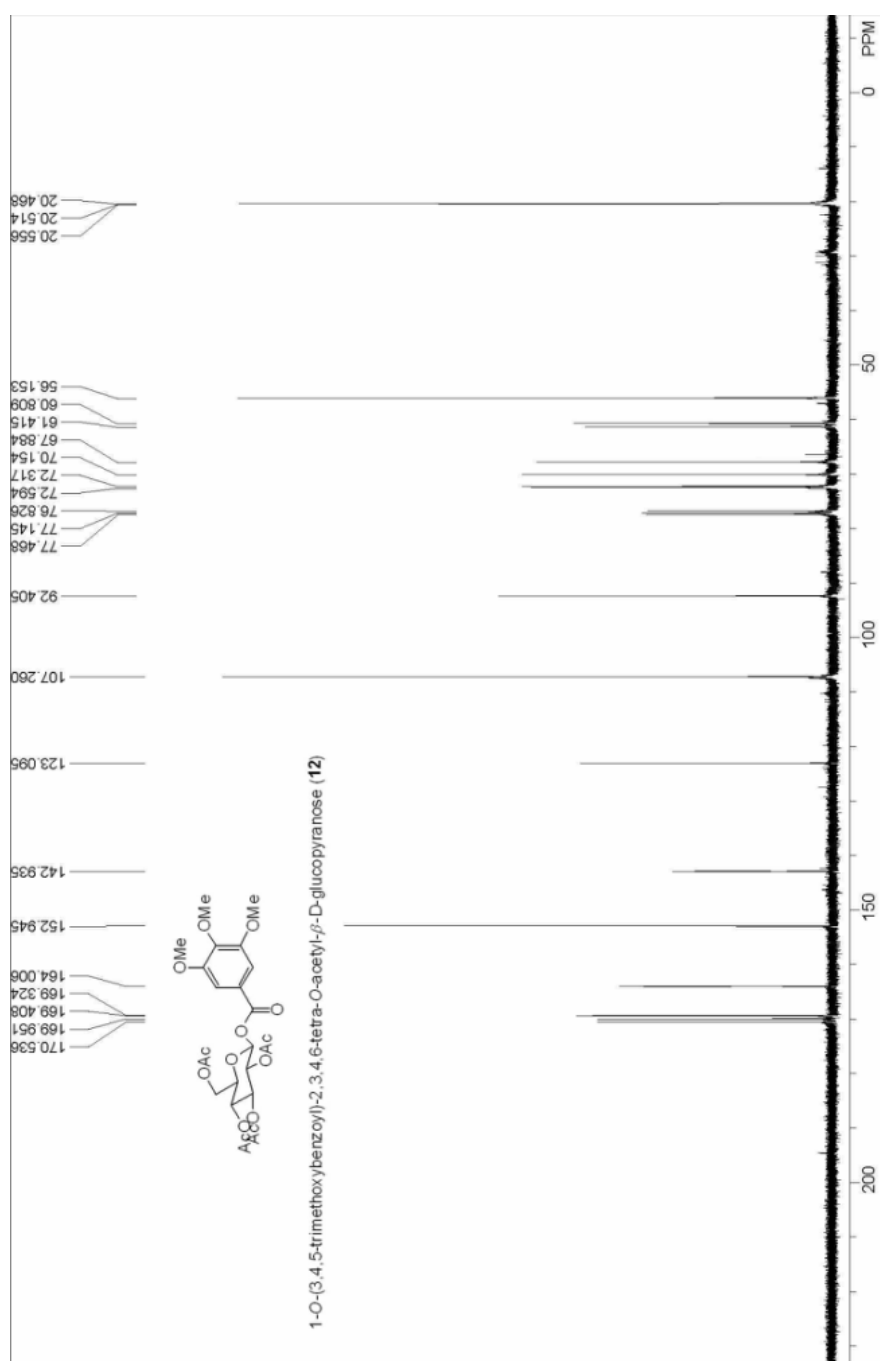


Figure S10. ^{13}C NMR spectrum of compound 12

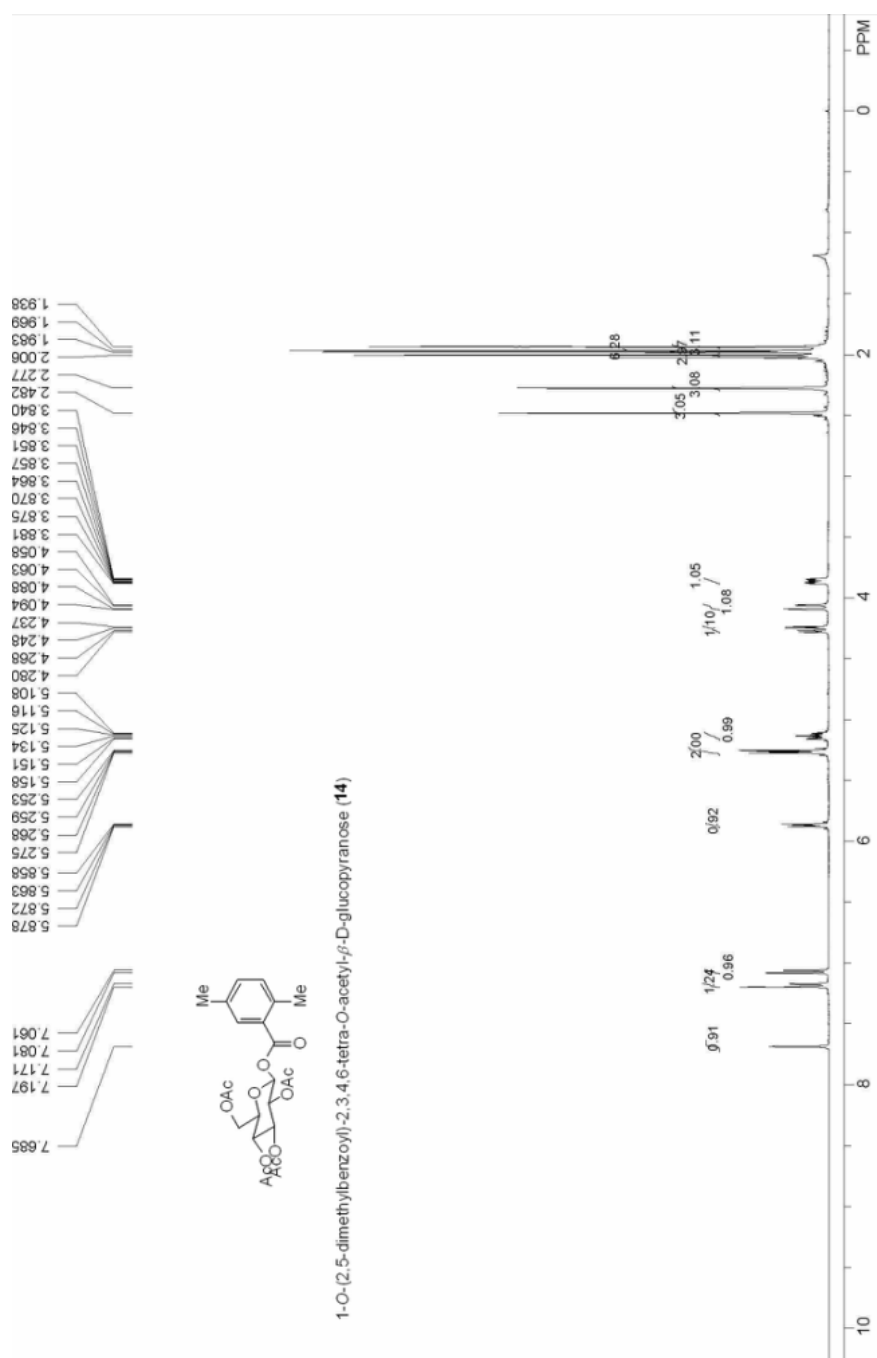


Figure S11. ¹H NMR spectrum of compound **14**

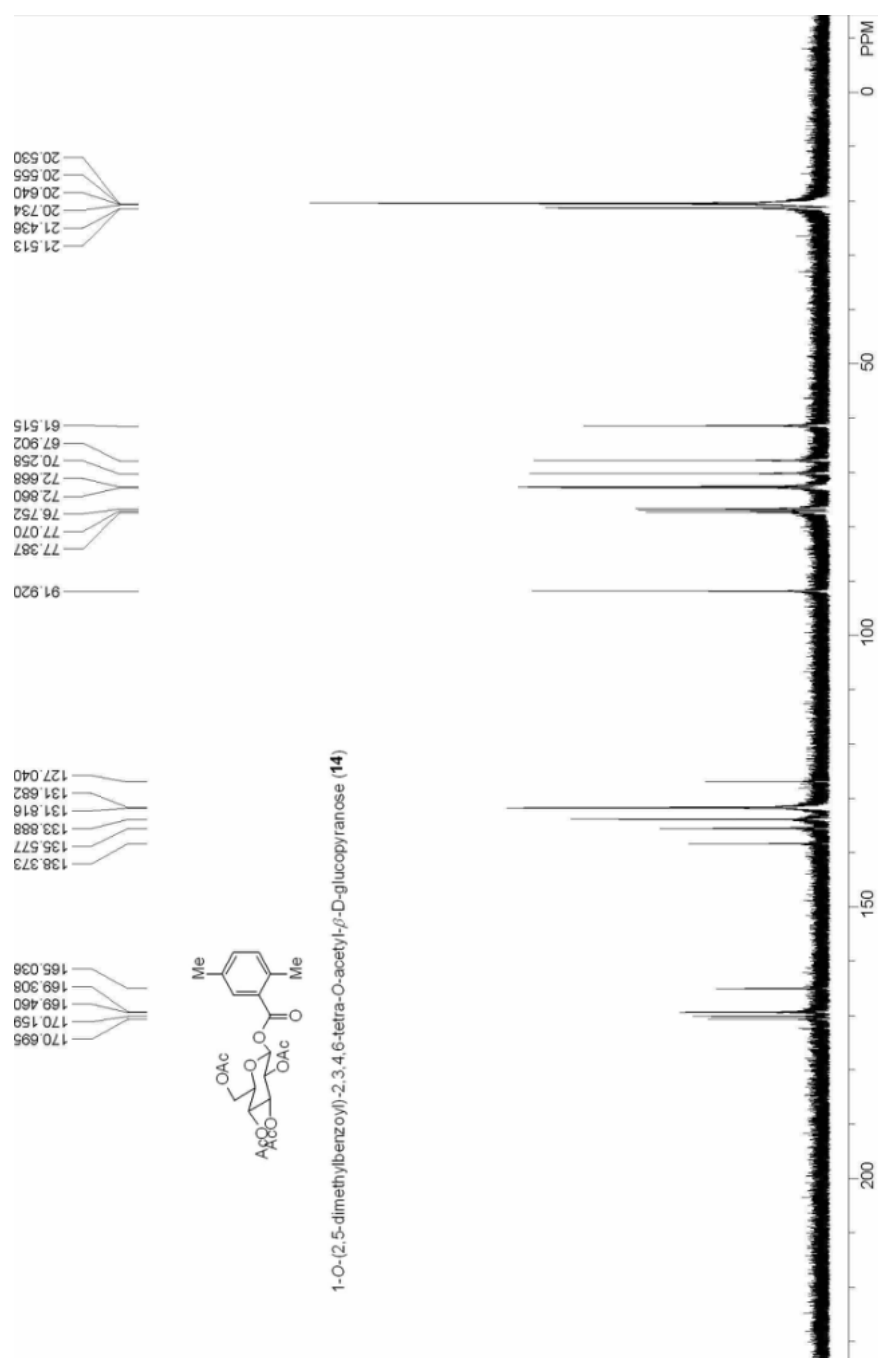


Figure S12. ^{13}C NMR spectrum of compound **14**

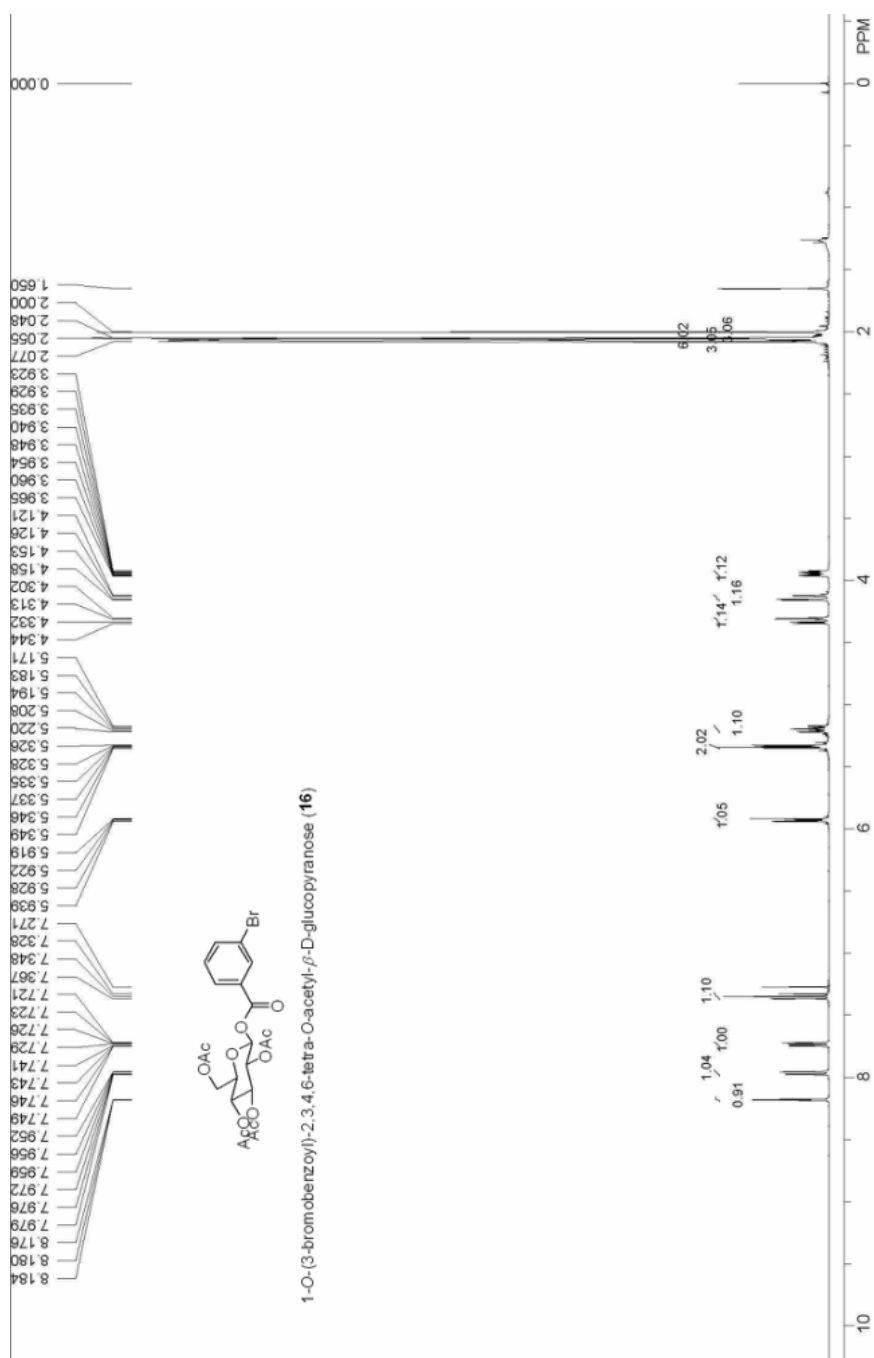


Figure S13. ¹H NMR spectrum of compound 16

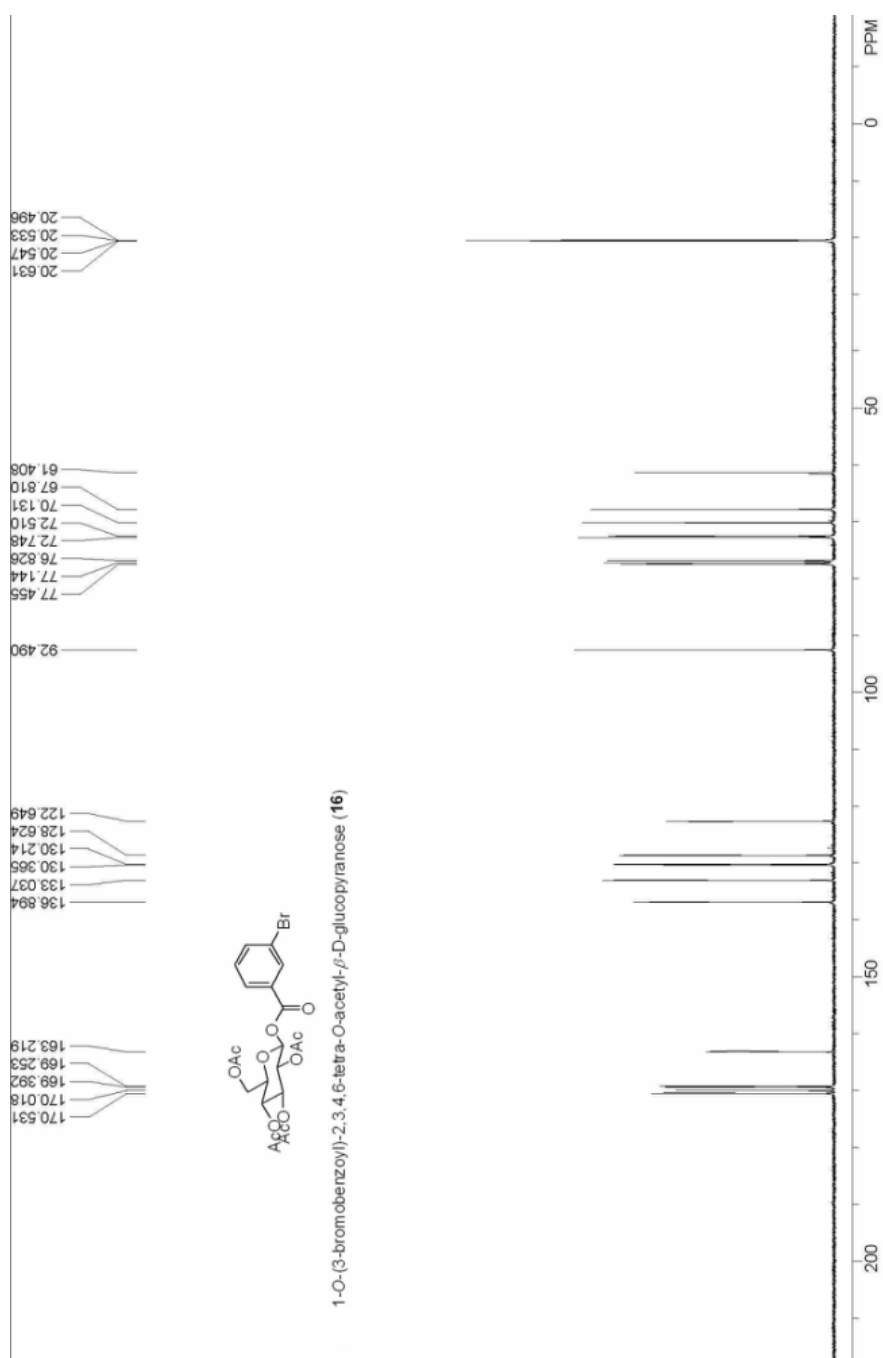


Figure S14. ¹³C NMR spectrum of compound **16**

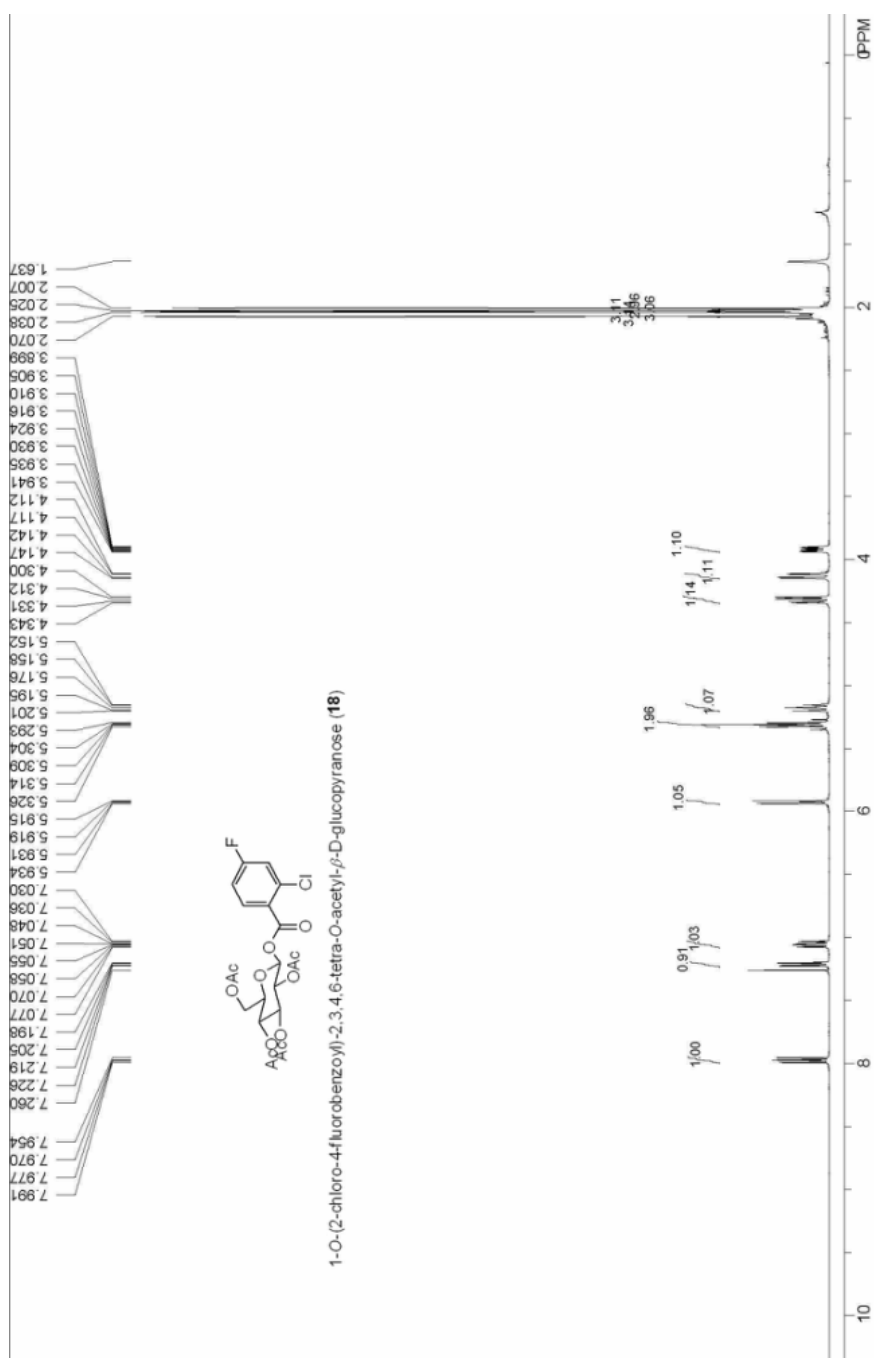


Figure S15. ¹H NMR spectrum of compound **18**

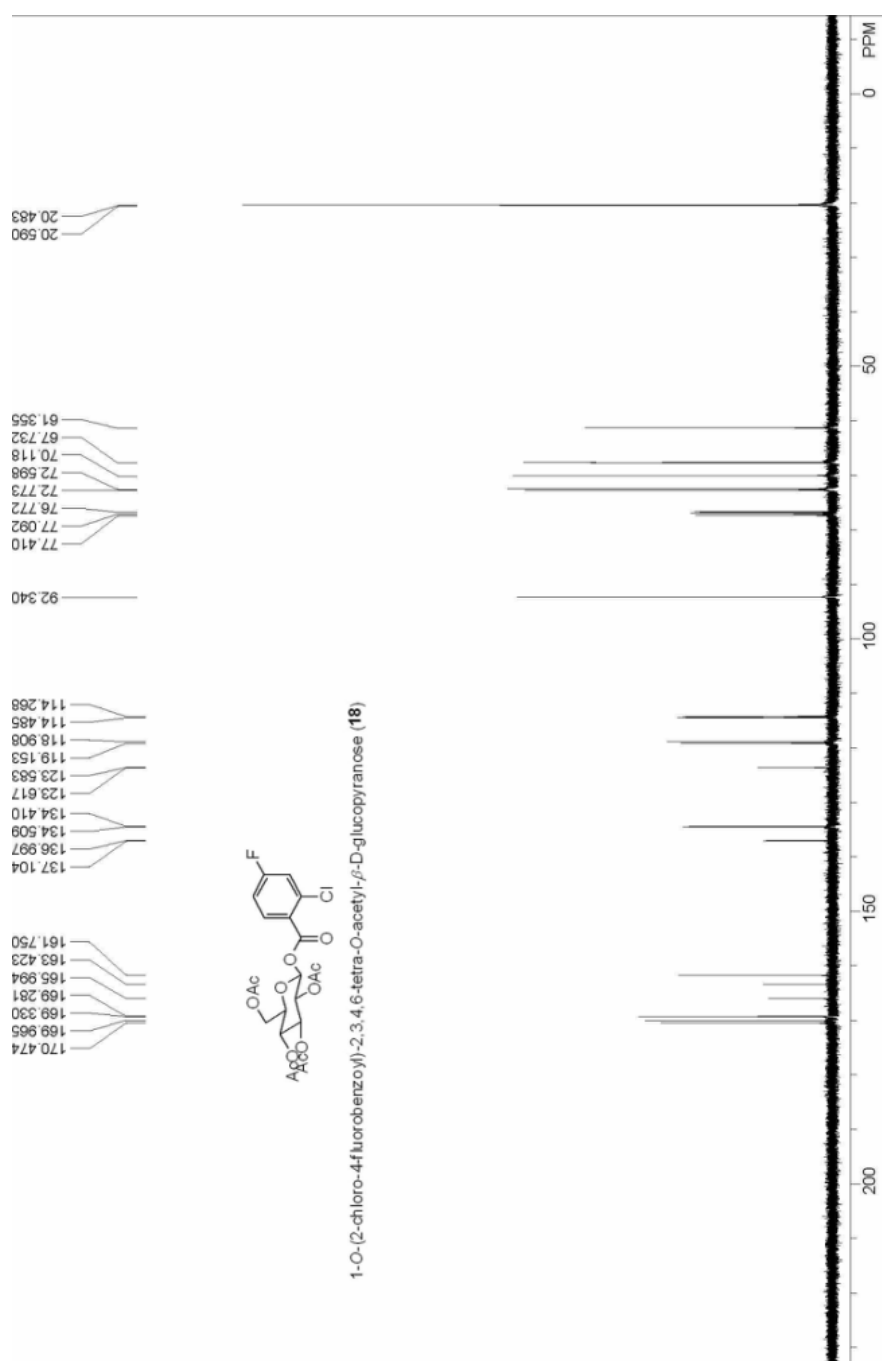
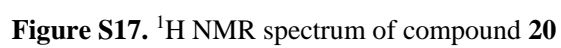


Figure S16. ¹³C NMR spectrum of compound **18**



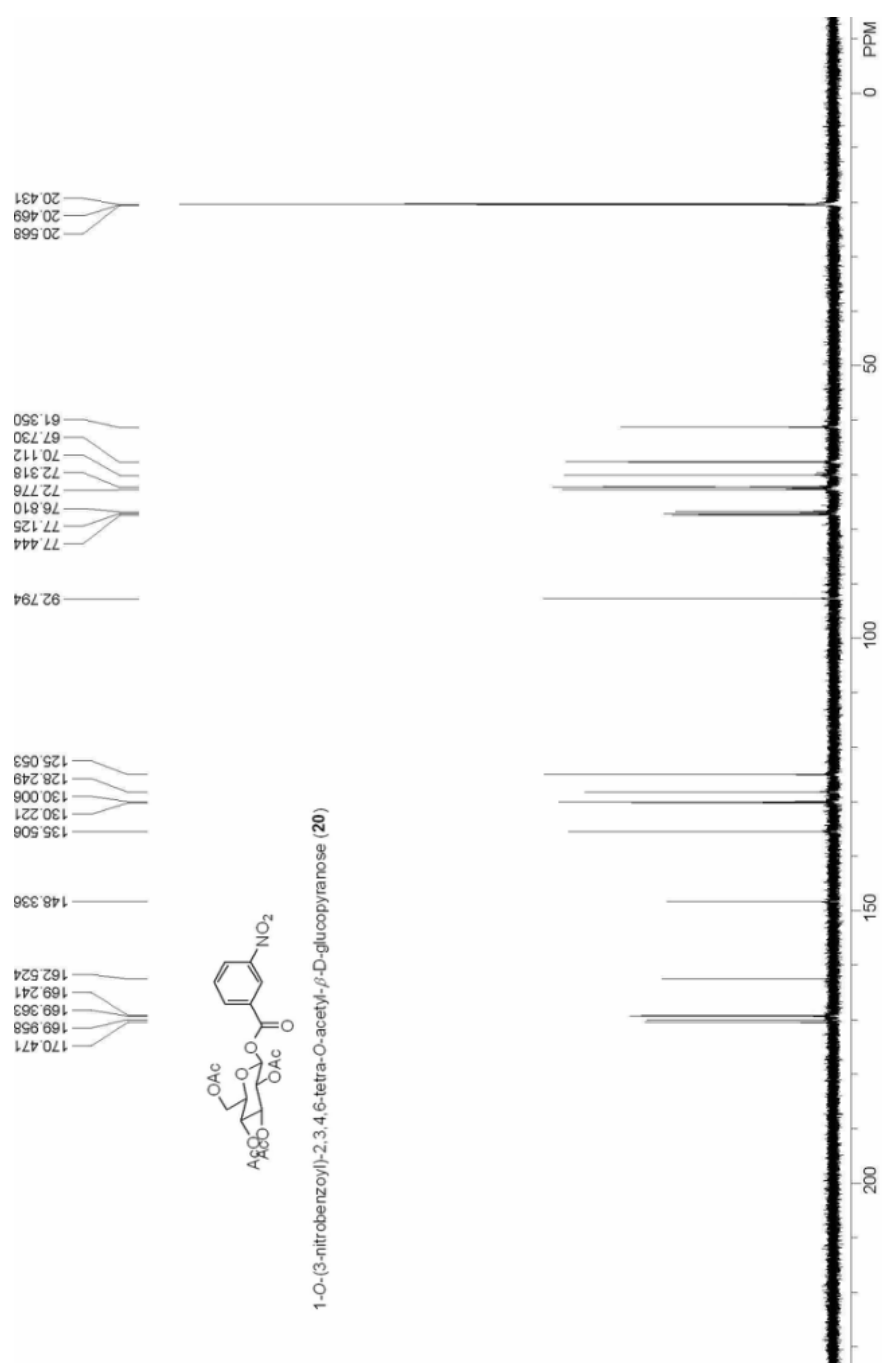


Figure S18. ¹³C NMR spectrum of compound **20**

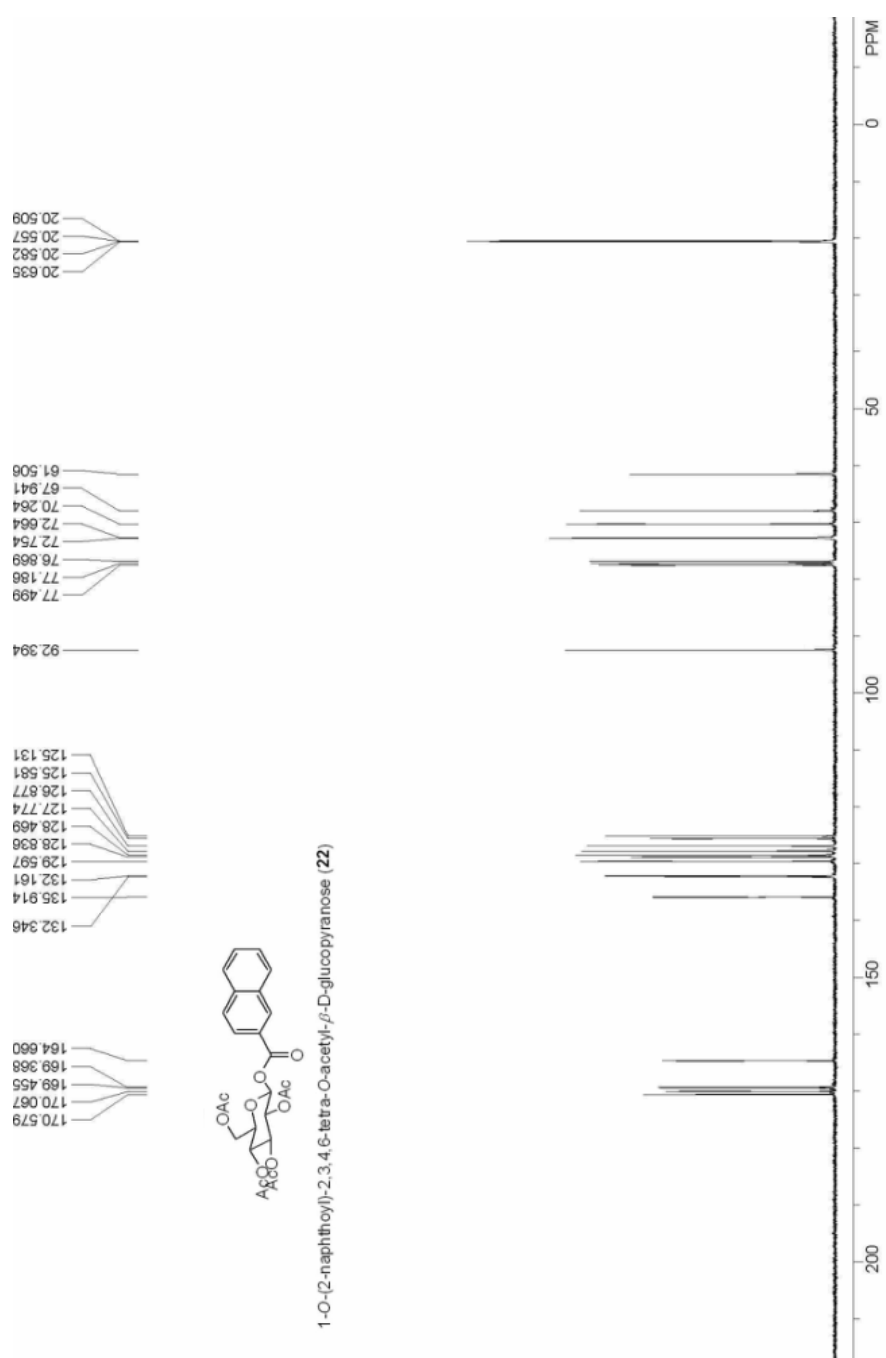


Figure S20. ¹³C NMR spectrum of compound **22**

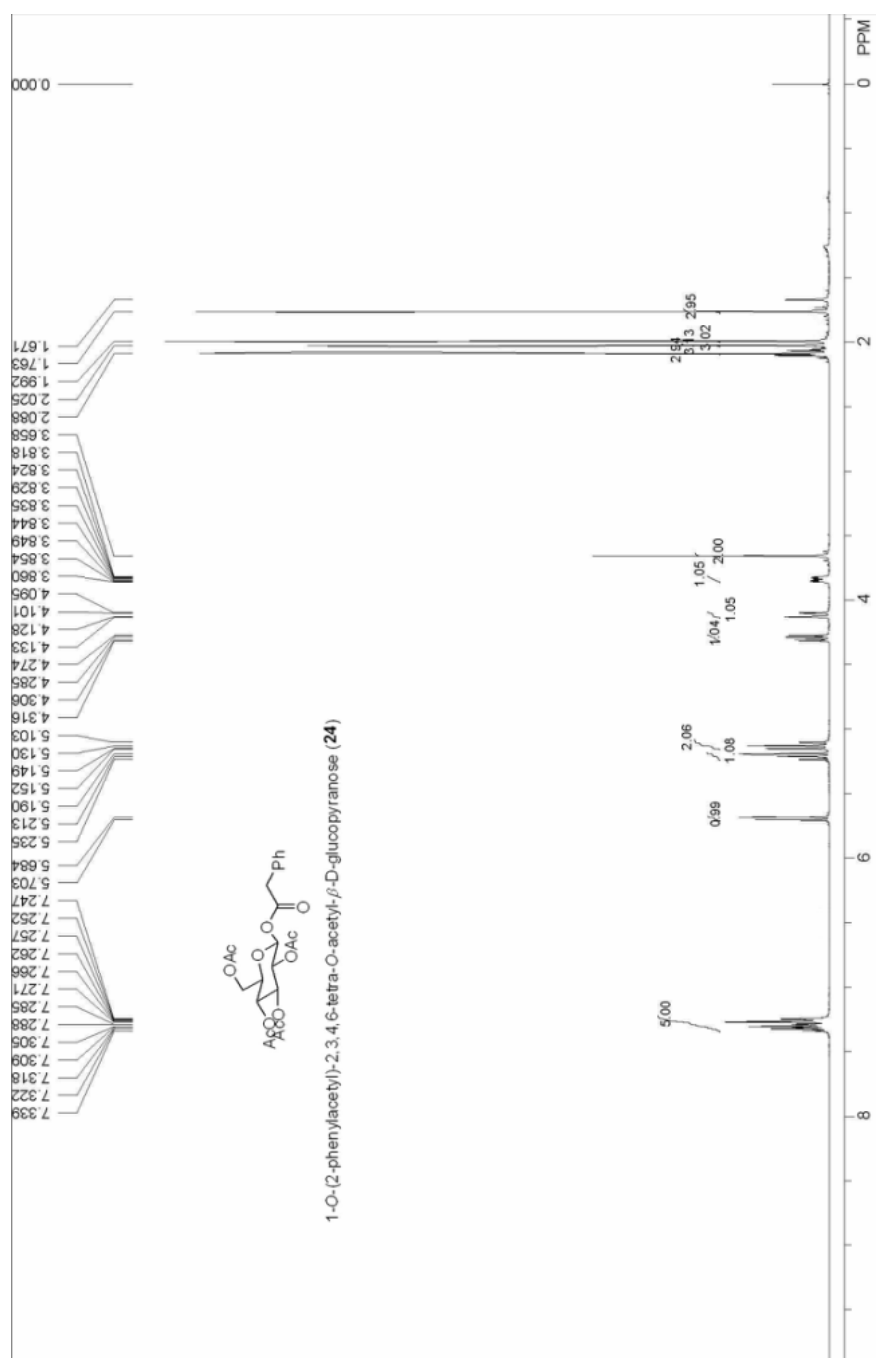


Figure S21. ¹H NMR spectrum of compound **24**

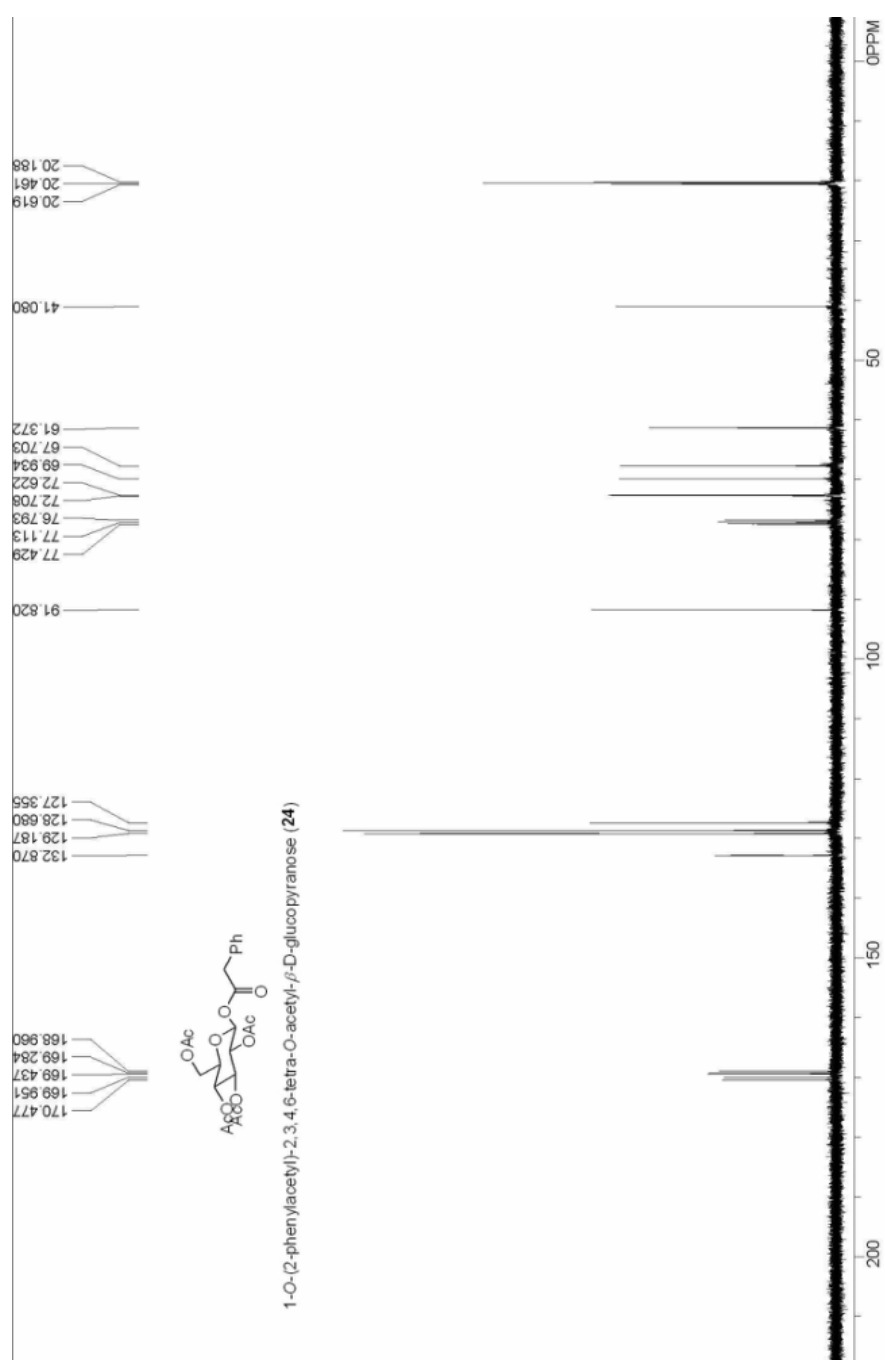


Figure S22. ¹³C NMR spectrum of compound 24

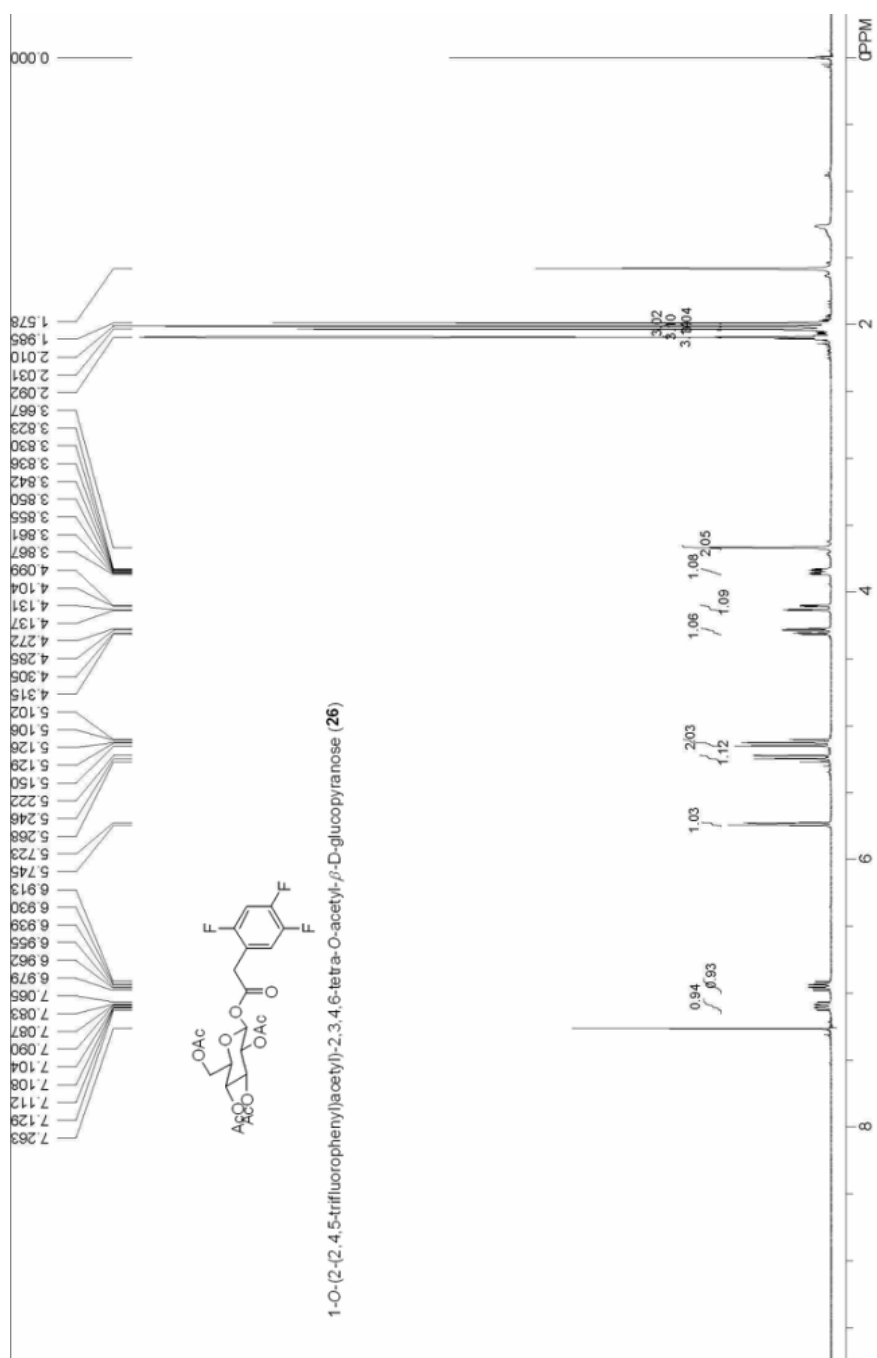


Figure S23. ¹H NMR spectrum of compound **26**

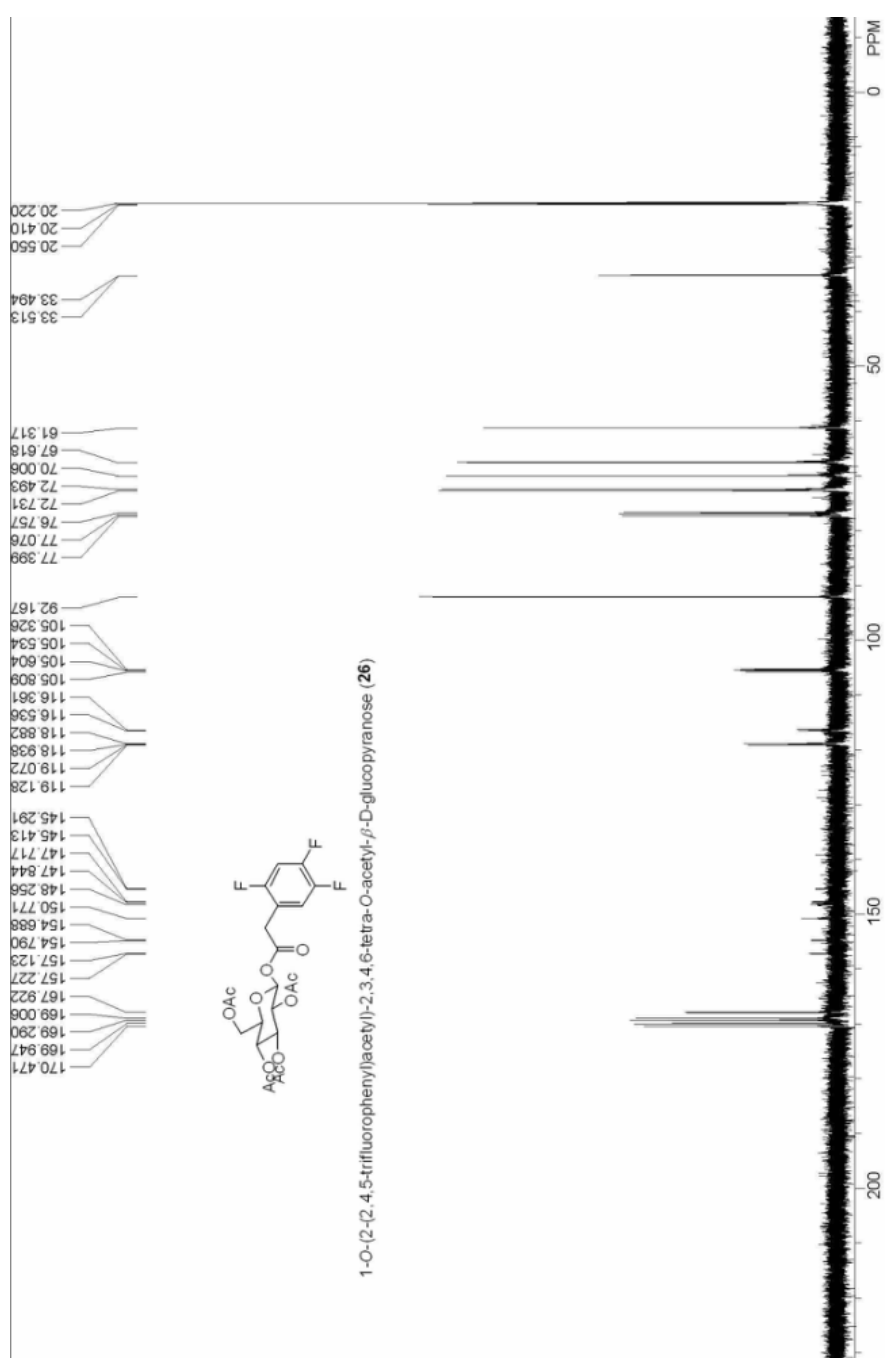


Figure S24. ^{13}C NMR spectrum of compound **26**

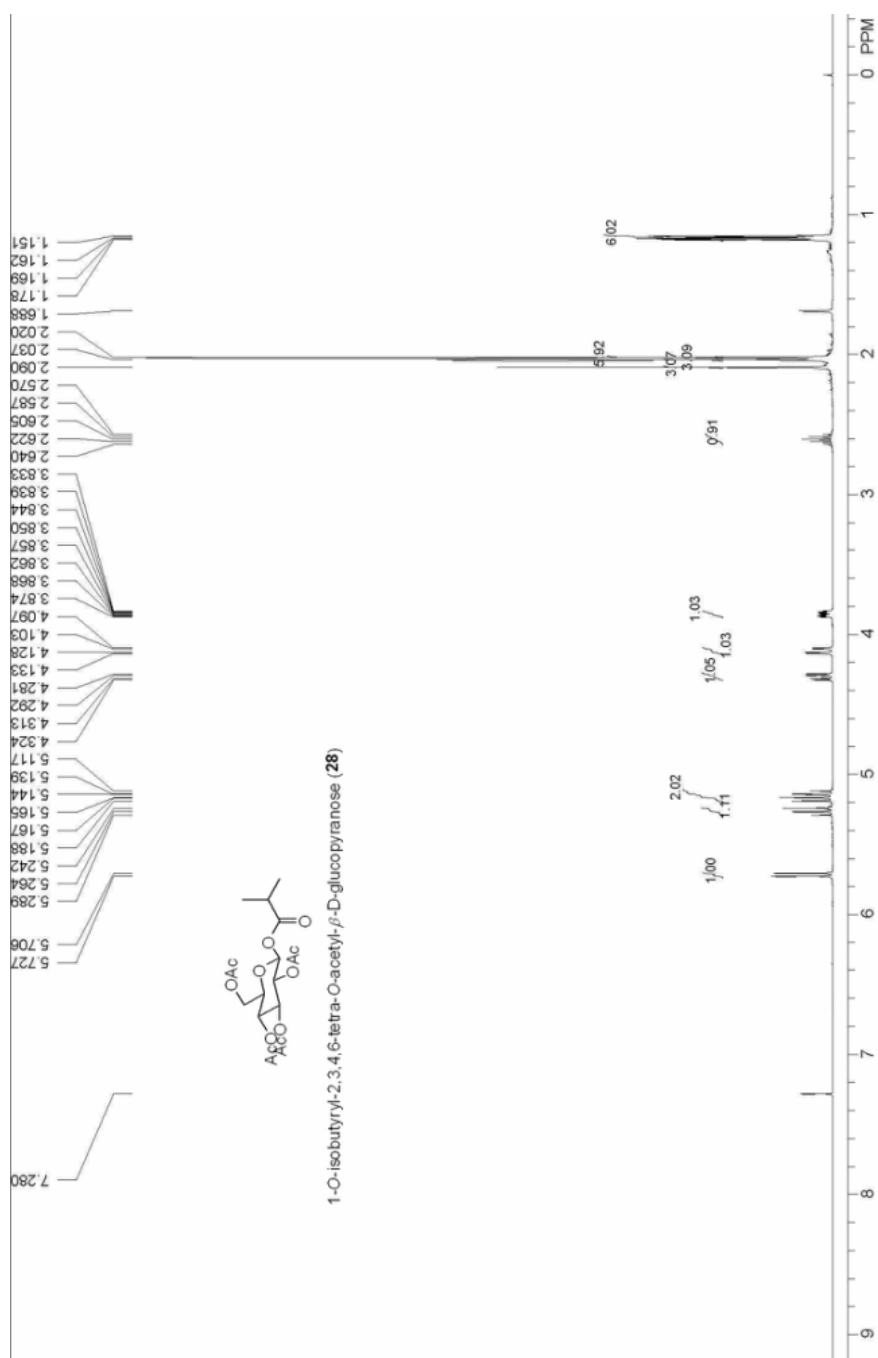


Figure S25. ¹H NMR spectrum of compound **28**

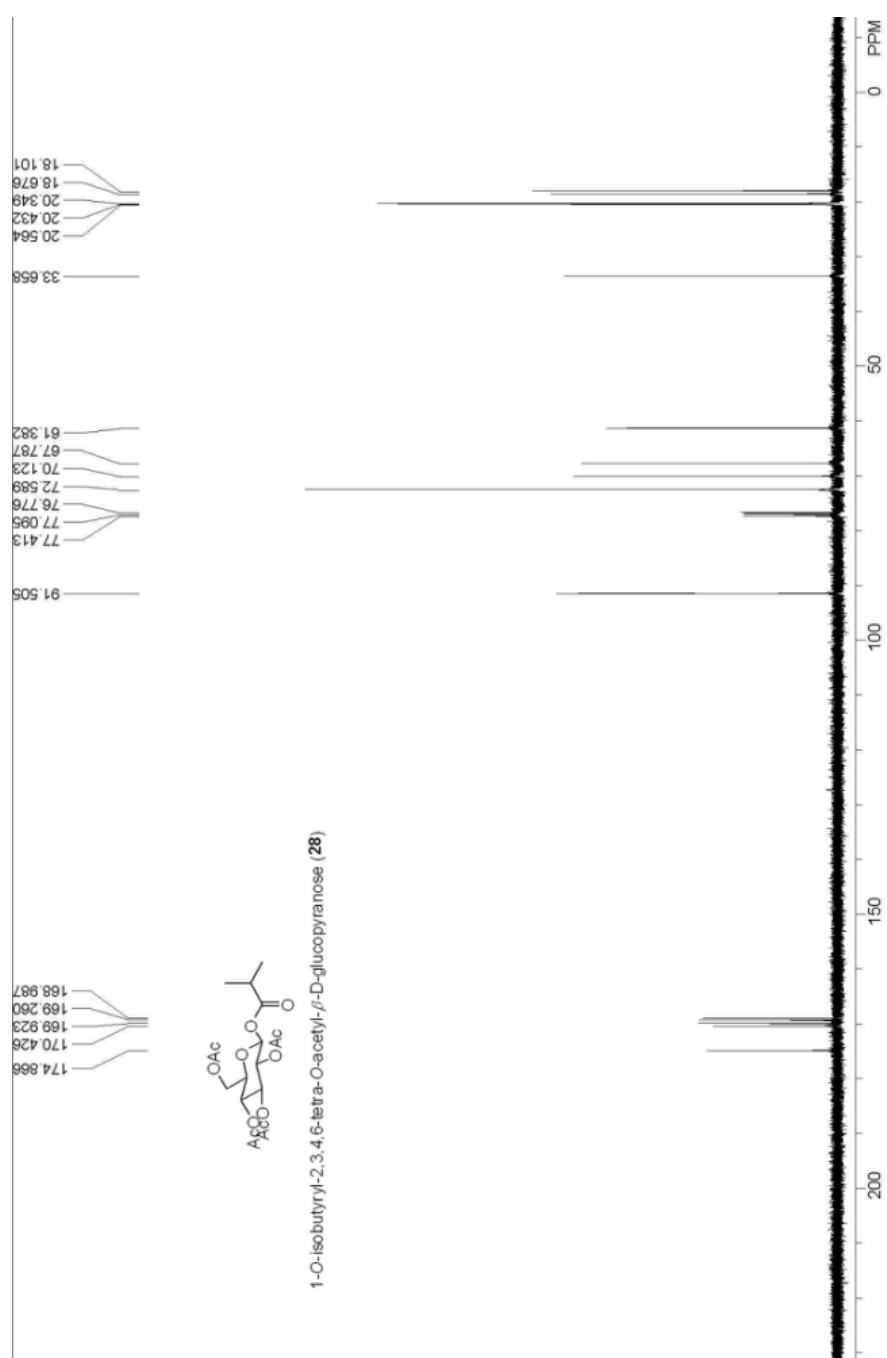


Figure S26. ¹³C NMR spectrum of compound **28**

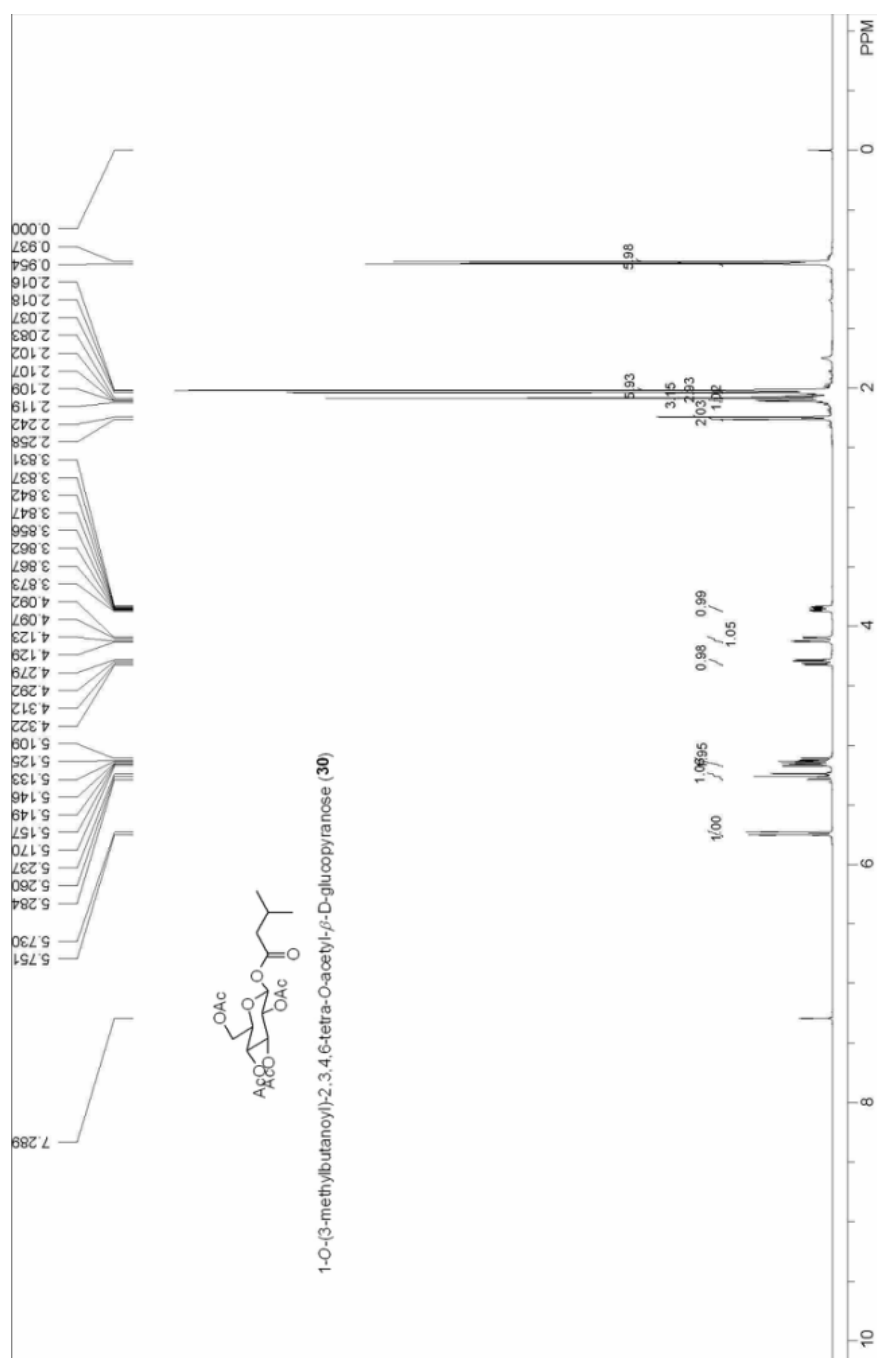


Figure S27. ¹H NMR spectrum of compound 30

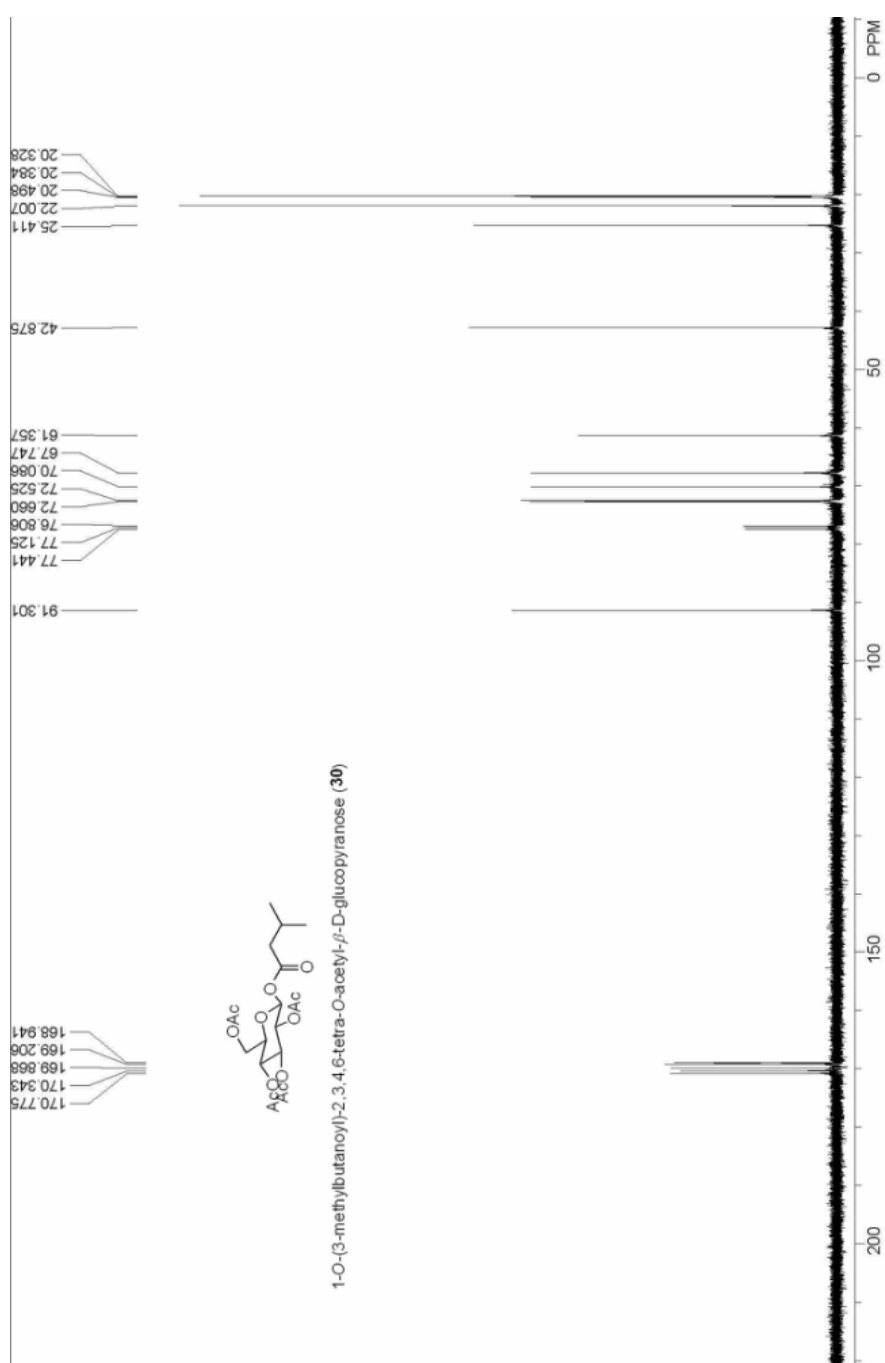


Figure S28. ¹³C NMR spectrum of compound **30**

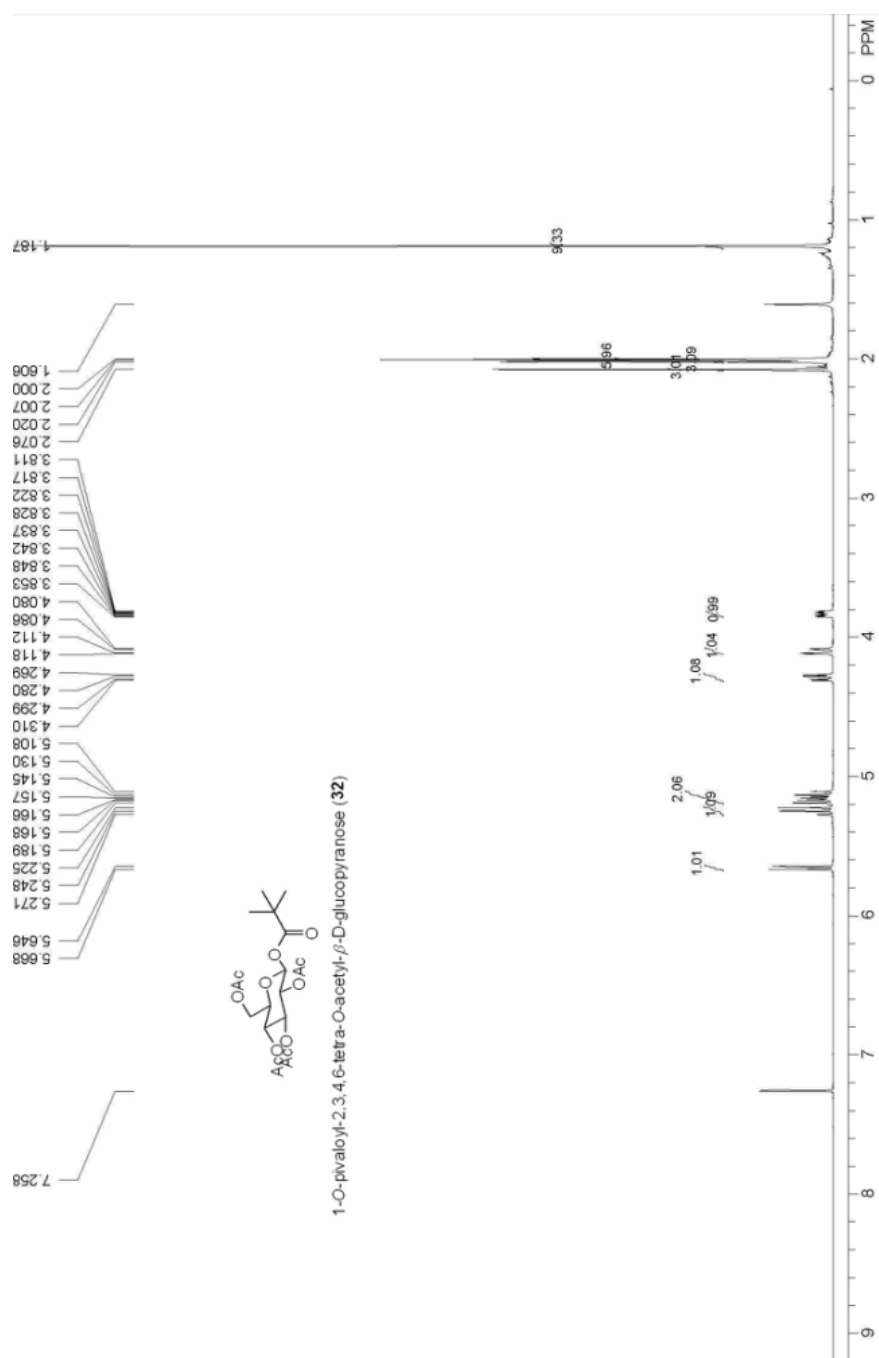


Figure S29. ^1H NMR spectrum of compound **32**

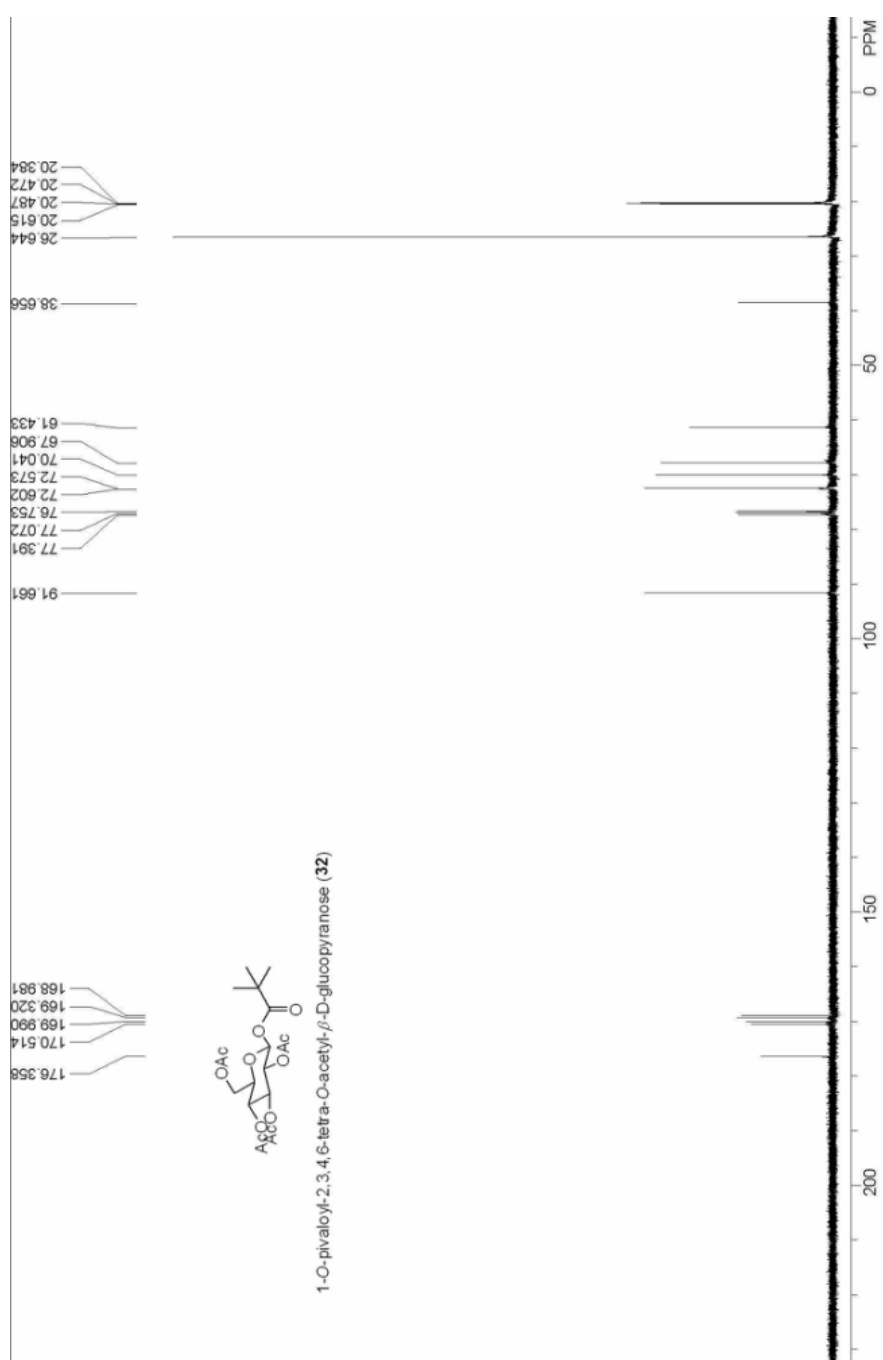
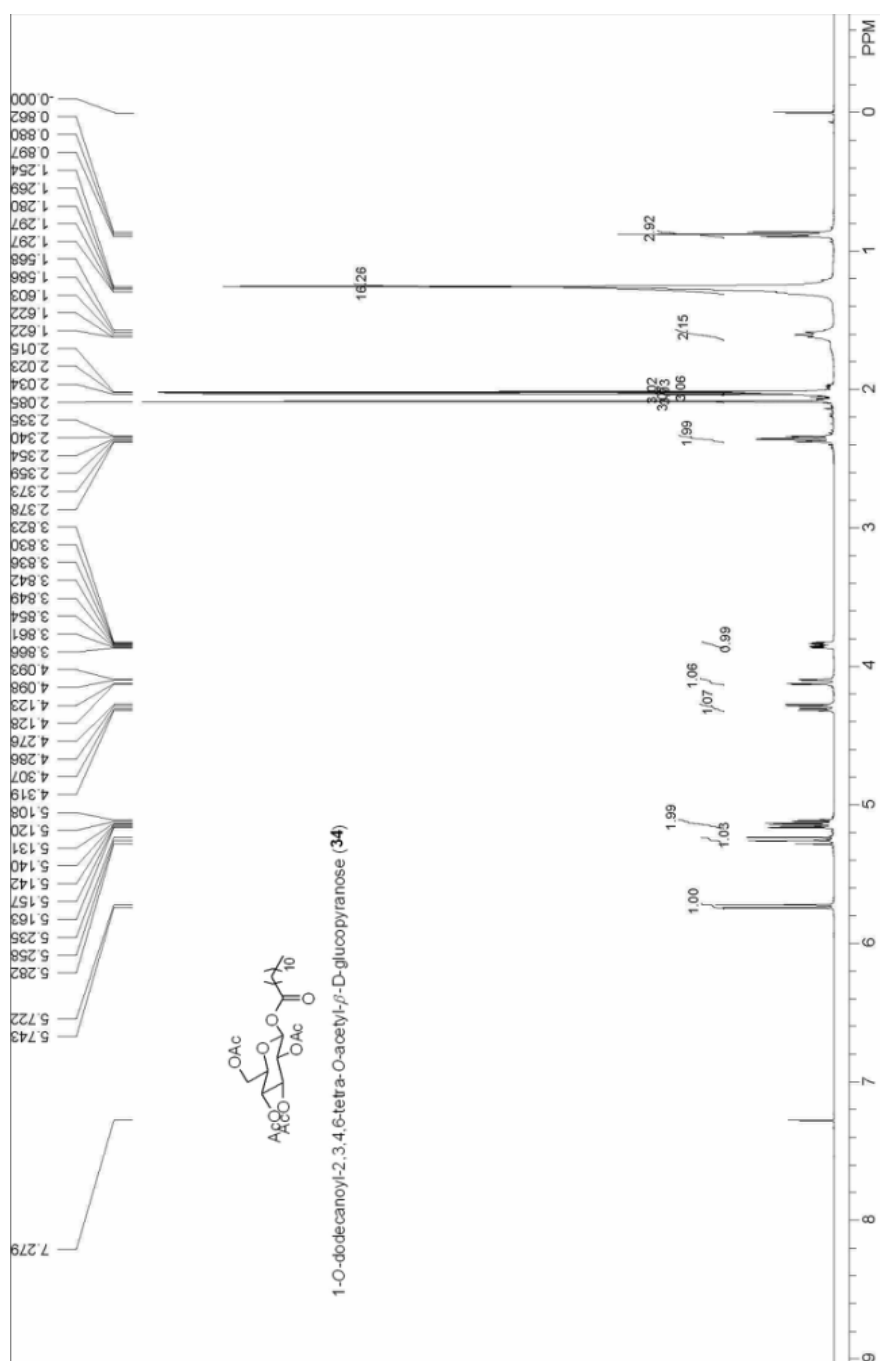


Figure S30. ^{13}C NMR spectrum of compound 32



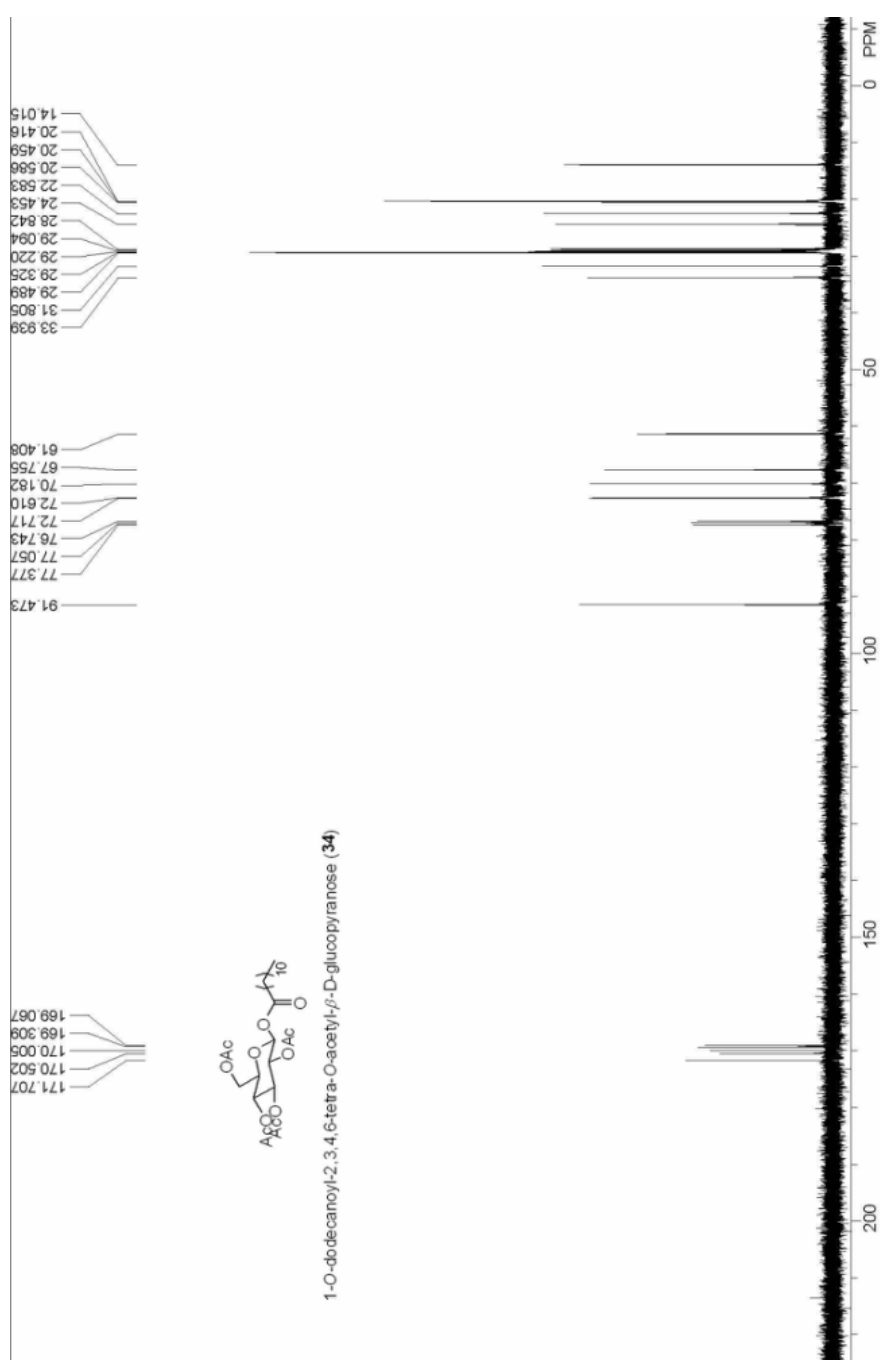


Figure S32. ^{13}C NMR spectrum of compound **34**

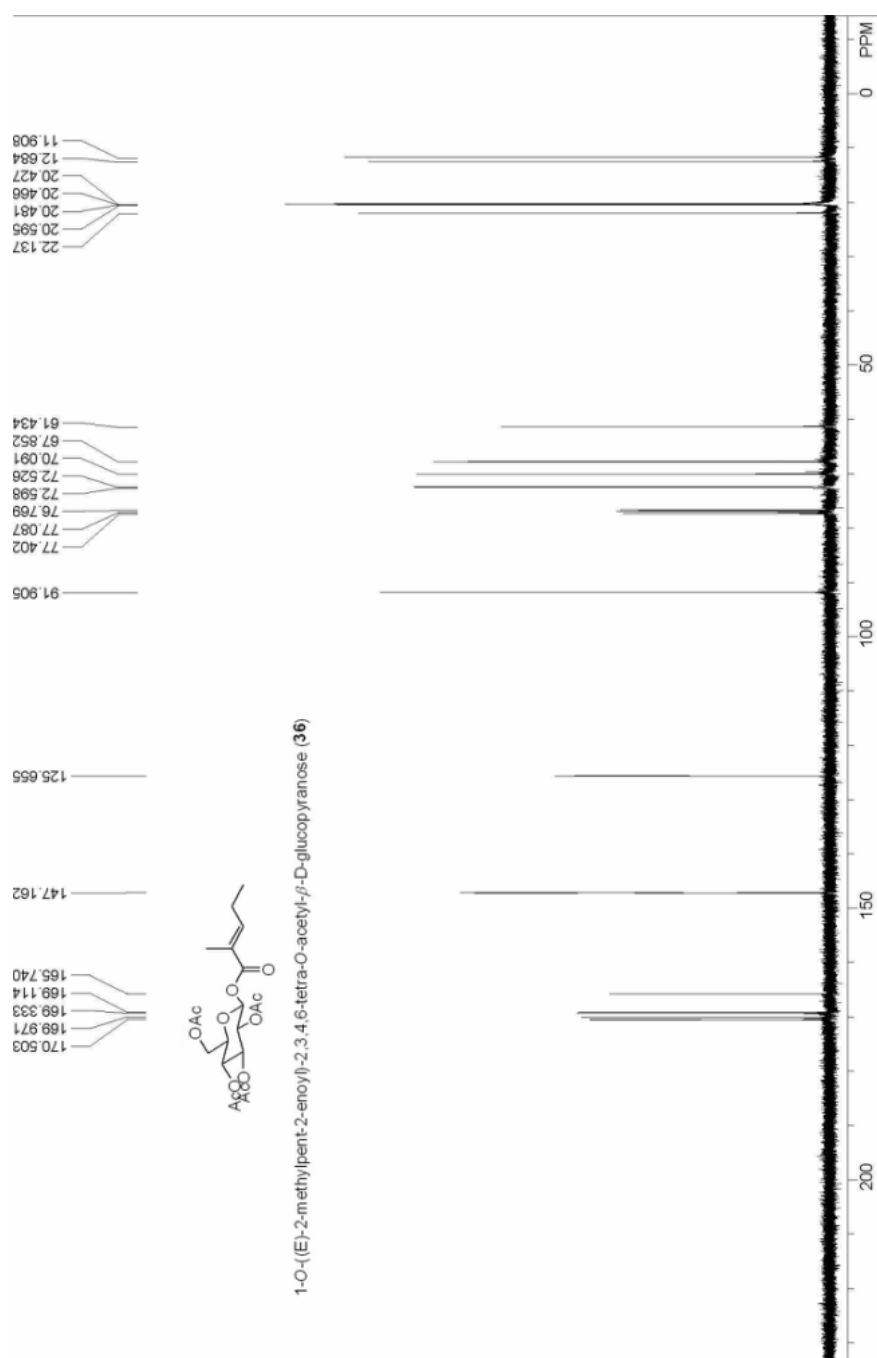


Figure S34. ^{13}C NMR spectrum of compound **36**

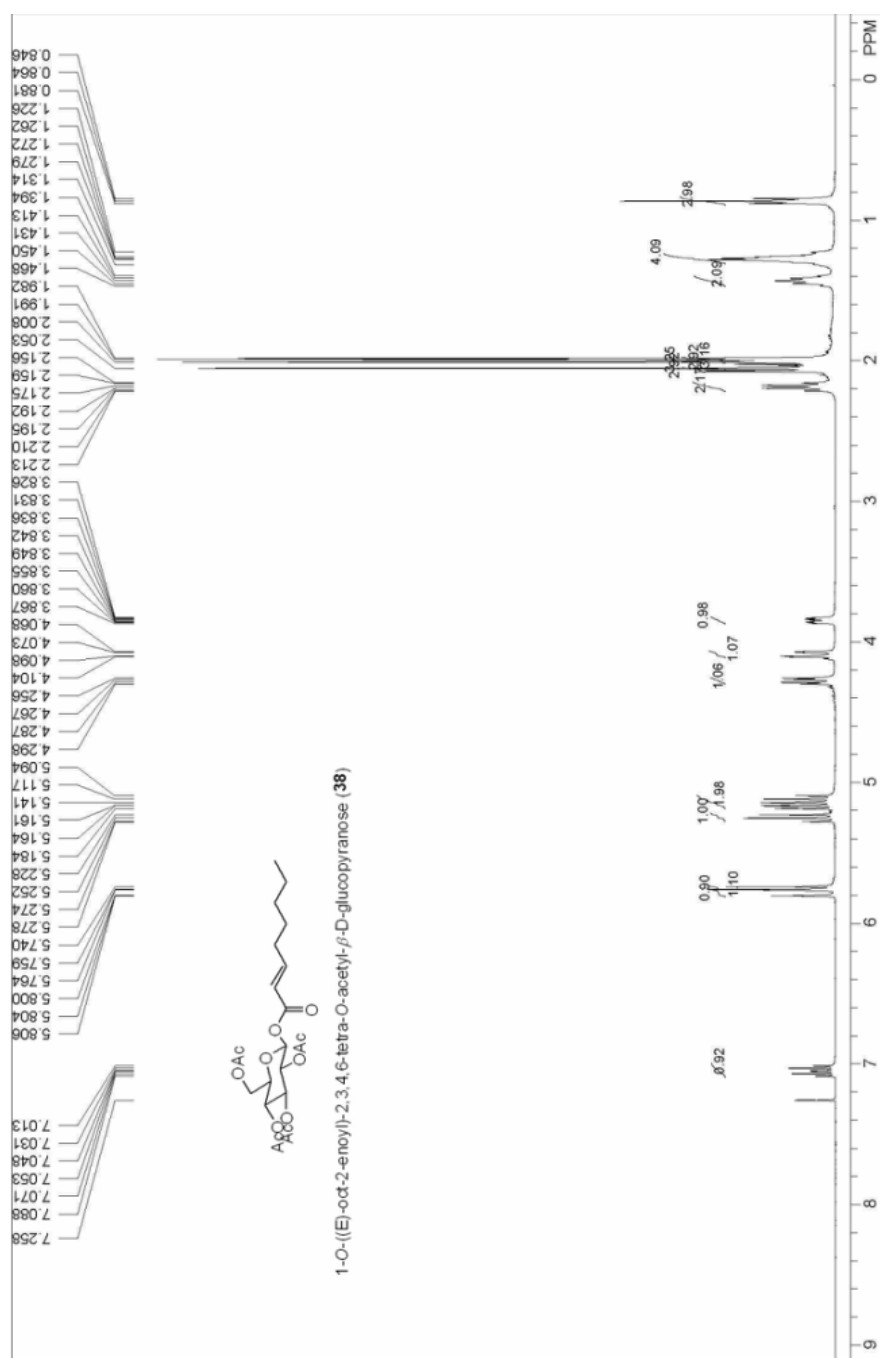


Figure S35. ¹H NMR spectrum of compound 38

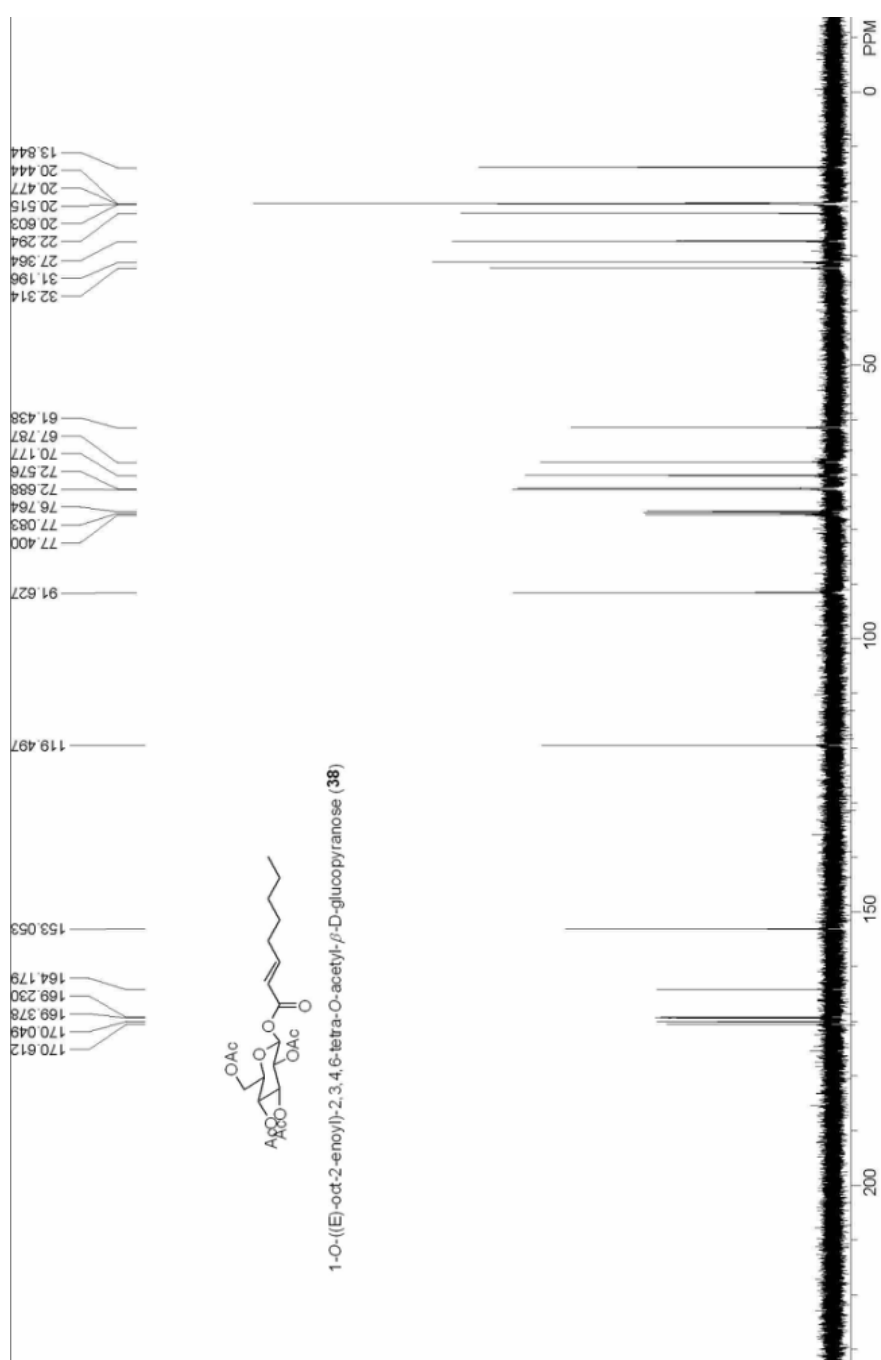


Figure S36. ¹³C NMR spectrum of compound 38

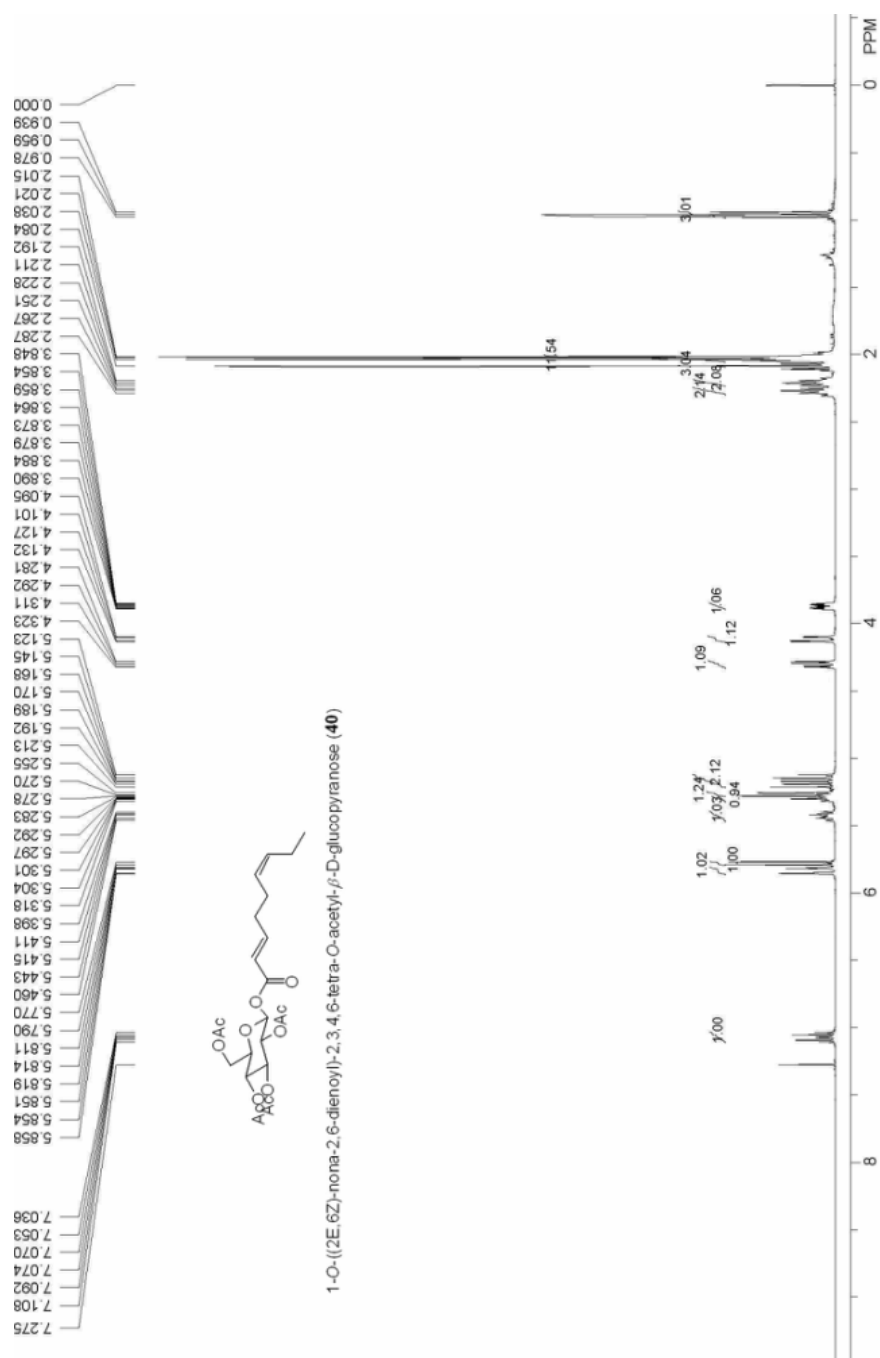


Figure S37. ¹H NMR spectrum of compound 40

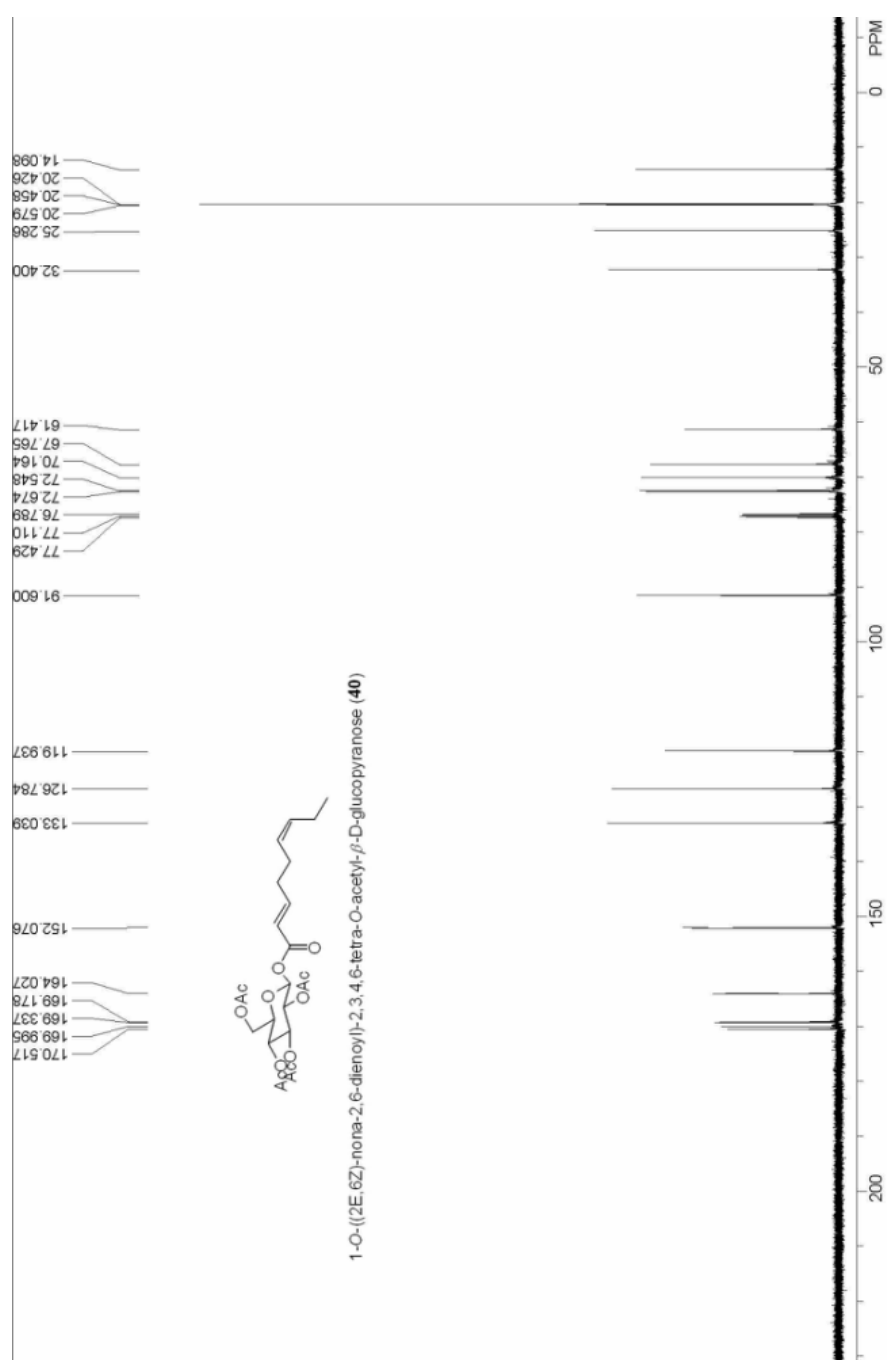


Figure S38. ¹³C NMR spectrum of compound **40**

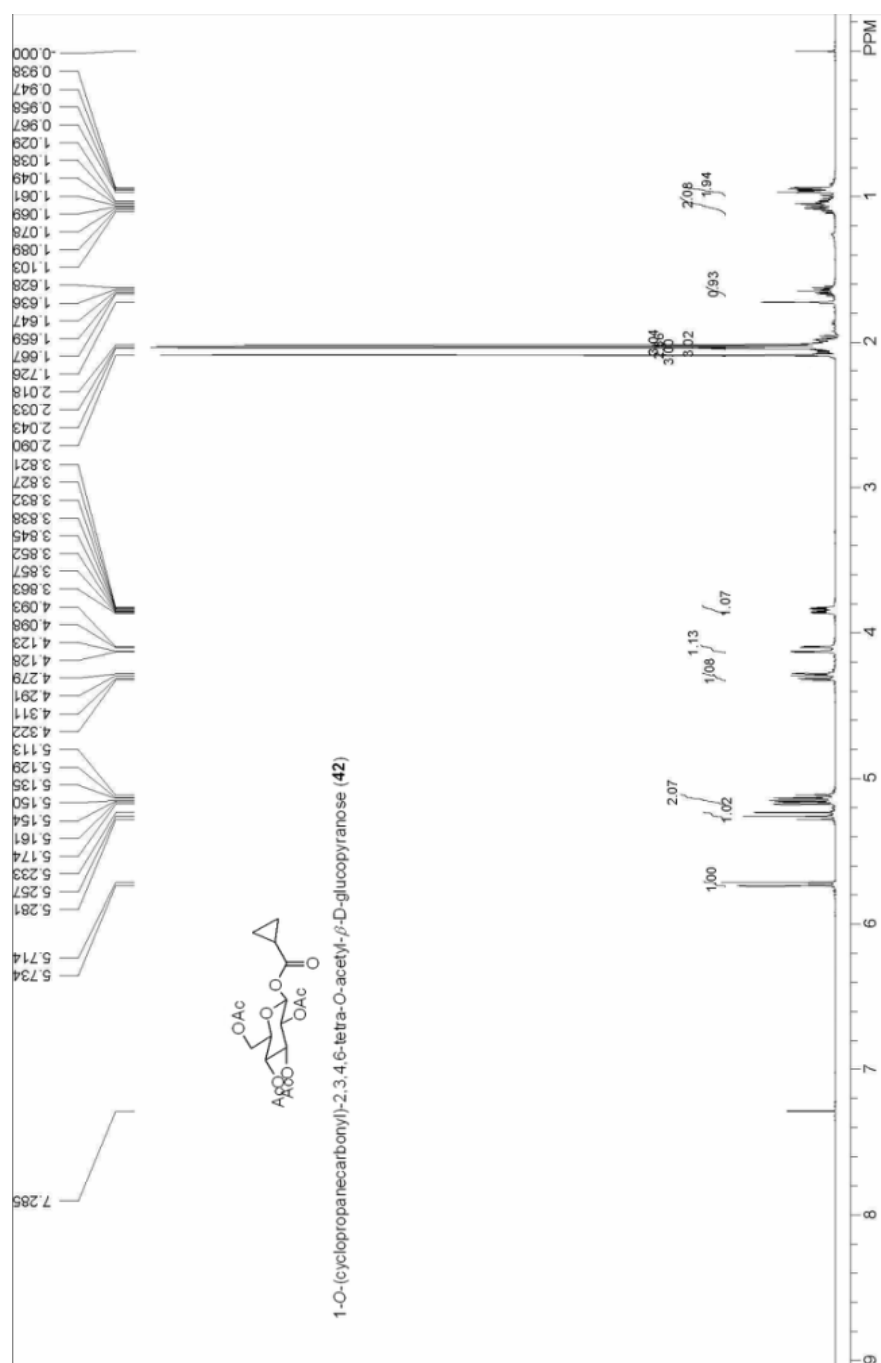


Figure S39. ¹H NMR spectrum of compound 42

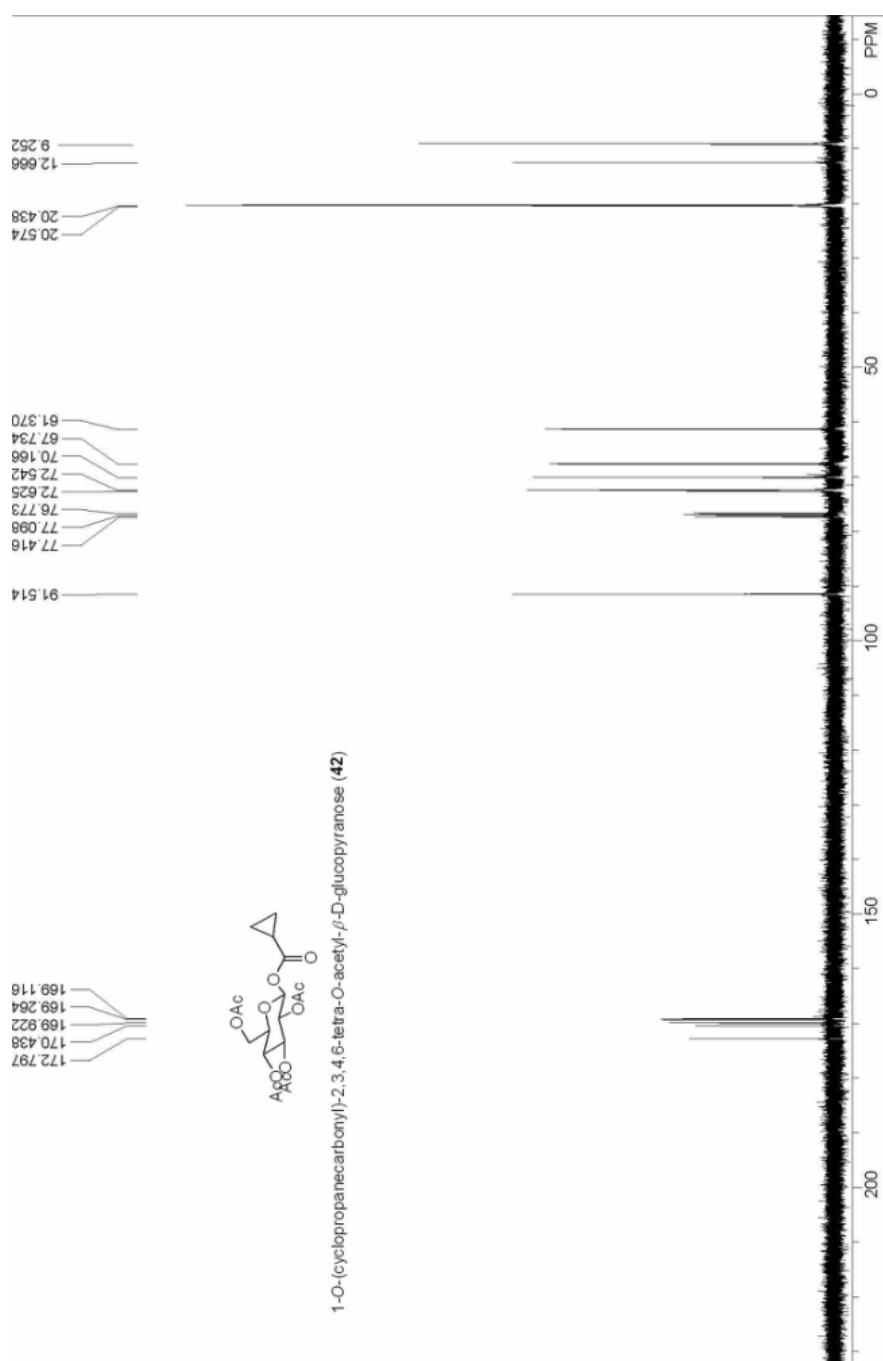


Figure S40. ¹³C NMR spectrum of compound **42**

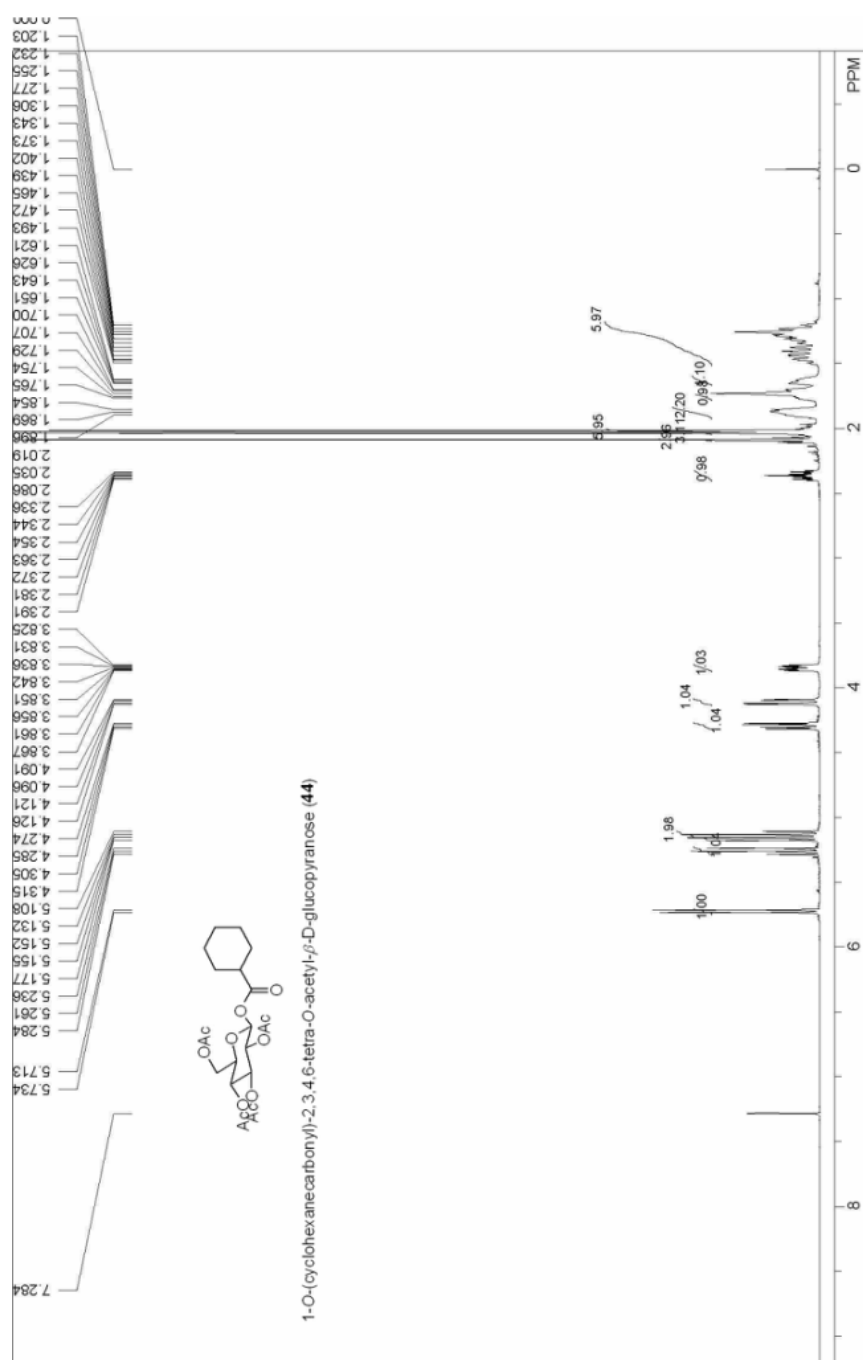


Figure S41. ¹H NMR spectrum of compound 44

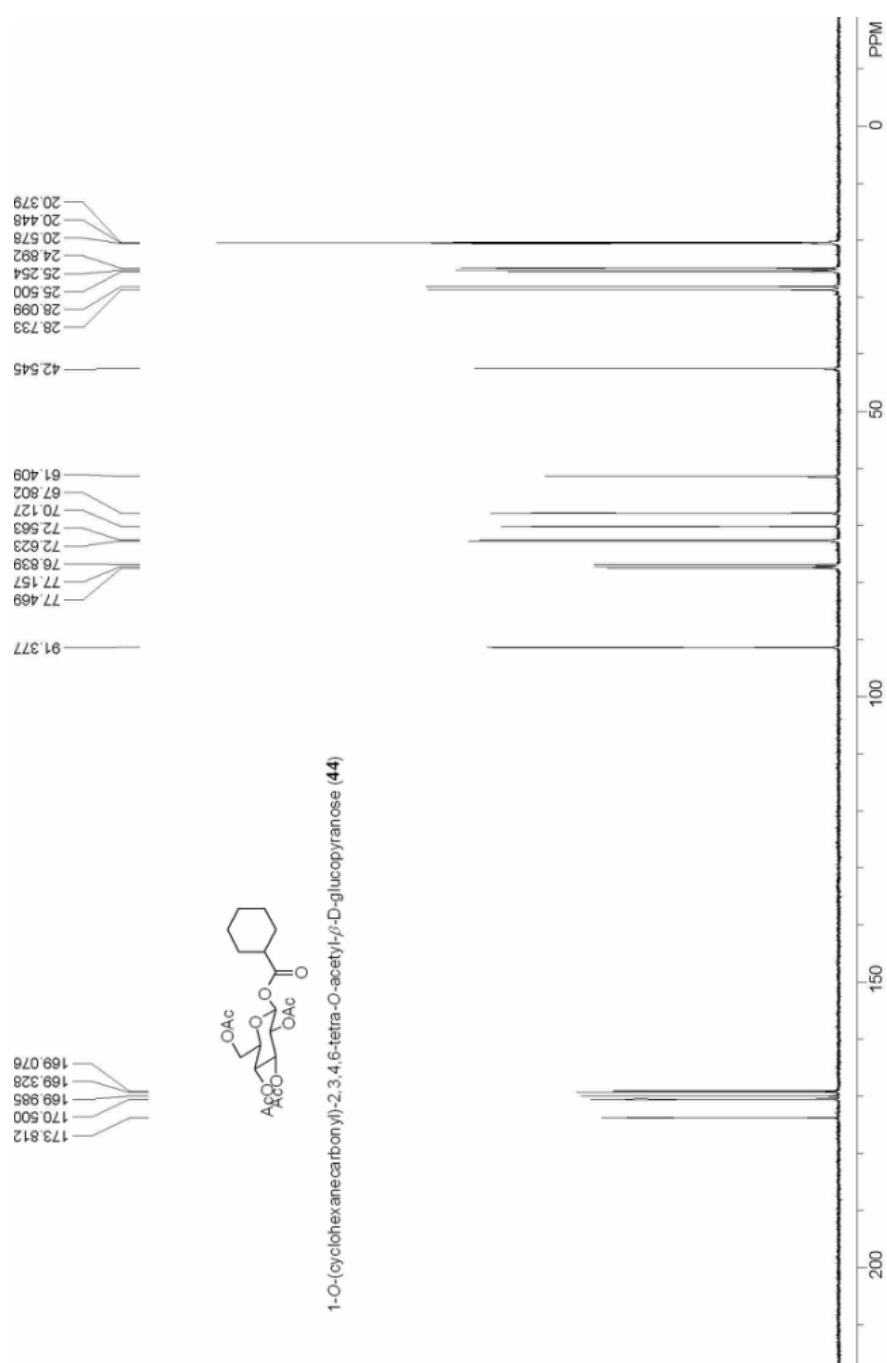
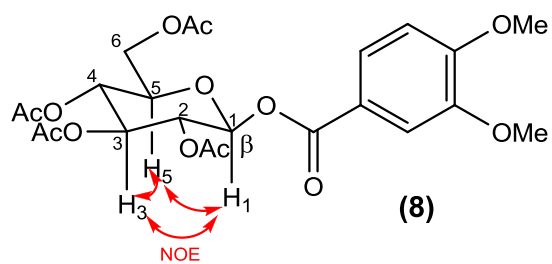


Figure S42. ^{13}C NMR spectrum of compound **44**

Copies of 2D NMR data of compound 8



NOESY

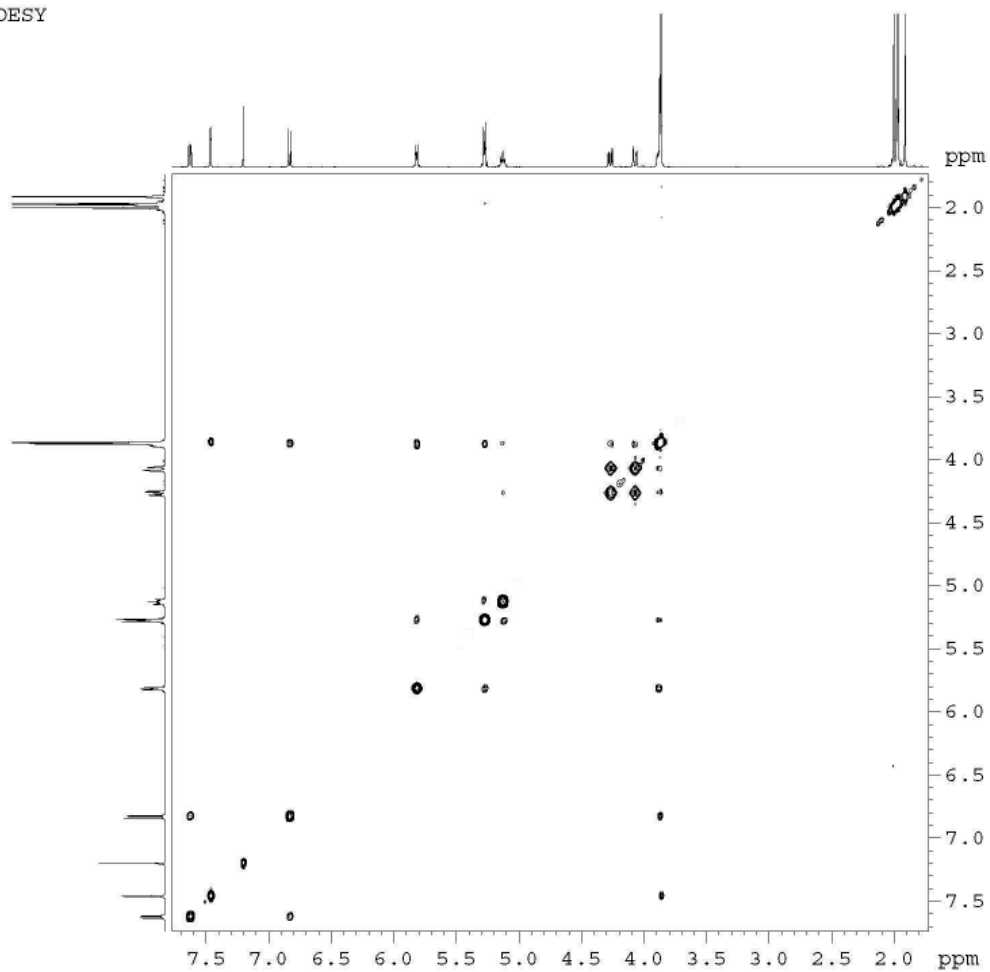


Figure S43. NOESY spectrum of compound 8

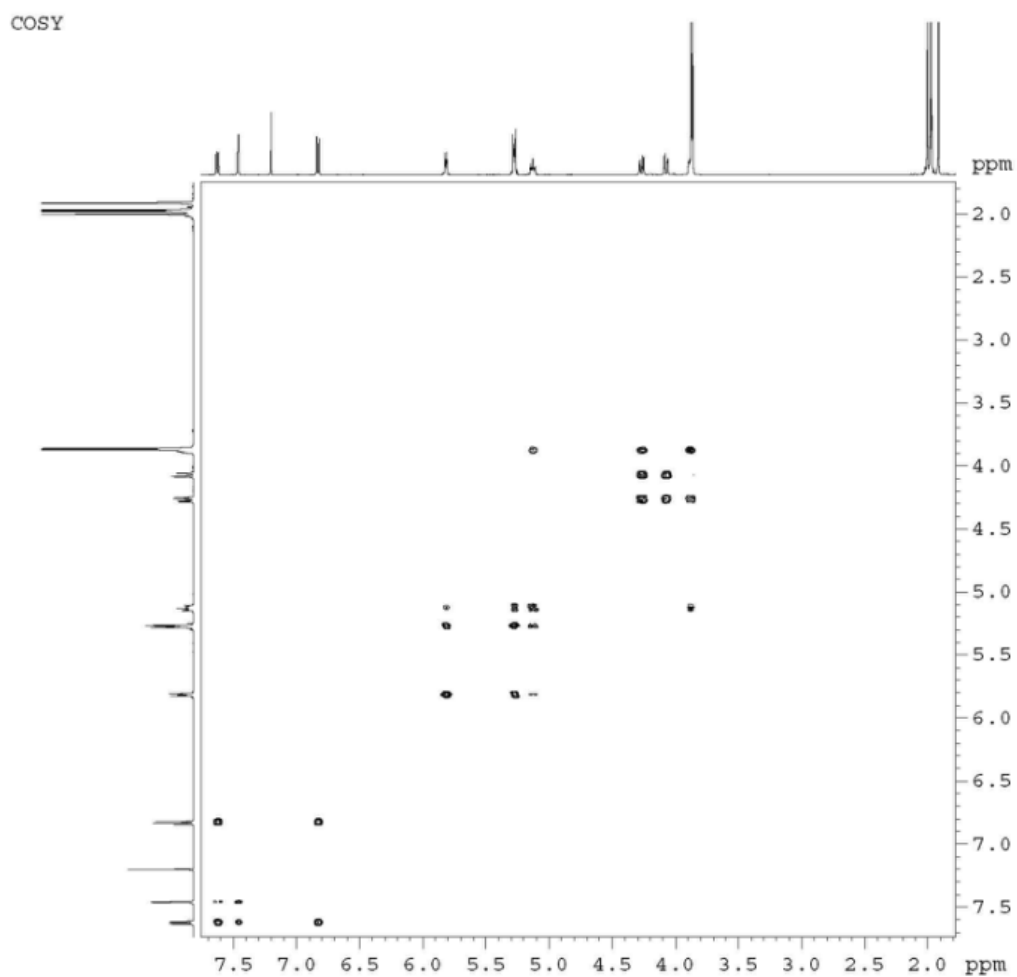


Figure S44. ^1H - ^1H COSY spectrum of compound **8**

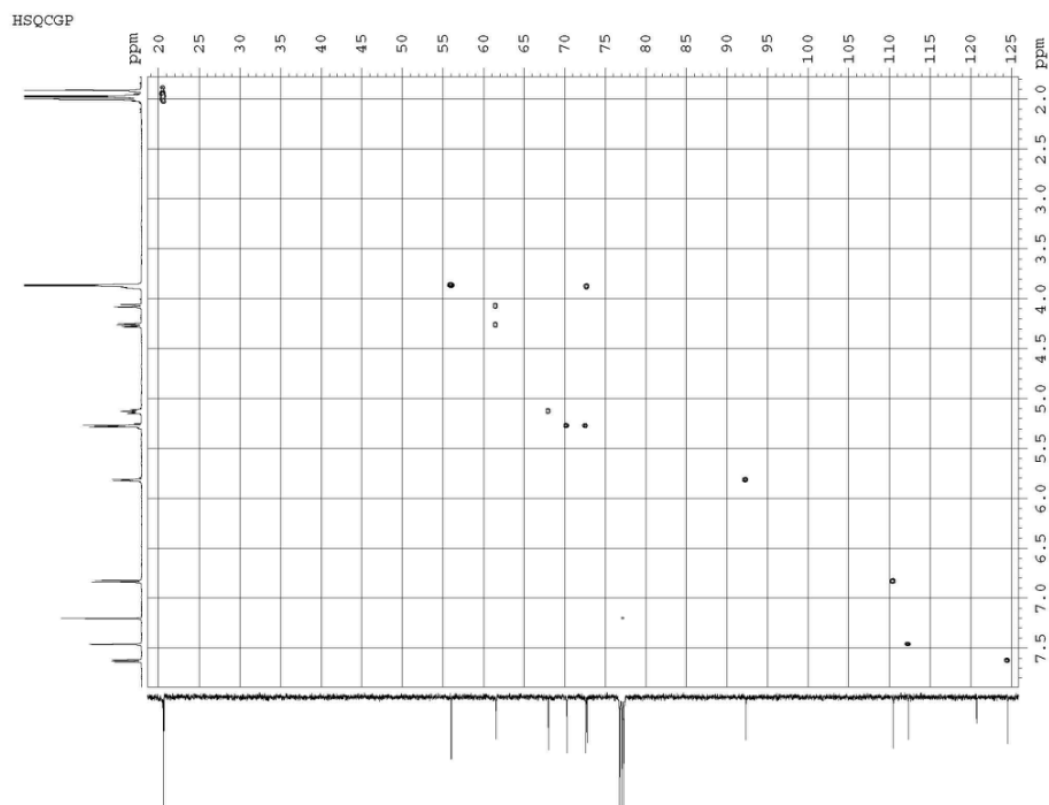


Figure S45. HSQC spectrum of compound **8**