Supplementary Materials

Compound 1

Compound 2

Compound 3

Figure S53. 1D TOCSY and 1D ROESY NMR subspectra of H-$1_{(2^{Gal}\text{-}O\text{-}\beta\text{-}Glc)}$ in compound **5** (methanol-d_4, 500.18 MHz).

Compound 6

Figure S54. 1D ^{1}H-NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz).
Figure S55. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **6** (methanol-d_4, 125.77 MHz).
Figure S56. 2D *g*-COSY NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz).
Figure S57. 2D TOCSY NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz).
Figure S58. 2D ROESY NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz).
Figure S59. 2D *g*-HSQC-NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S60. 2D *g*-HSQC-TOCSY NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S61. 2D *g*-HMBC-NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S62. 1D TOCSY and 1D ROESY NMR subspectra of H-$1_{(7\text{-}O\text{-}\beta\text{-}GlcA)}$ in compound **6** (methanol-d_4, 500.18 MHz).
Figure S63. 1D TOCSY and 1D ROESY NMR subspectra of H-$1_{(3\text{-}O\text{-}\beta\text{-}Gal)}$ in compound **6** (methanol-d_4, 500.18 MHz).
Figure S64. 1D TOCSY and 1D ROESY NMR subspectra of H-$1_{(2^{Gal}\text{-}O\text{-}\beta\text{-}Glc)}$ in compound **6** (methanol-d_4, 500.18 MHz).

Compound 7

Figure S65. 1D ^{1}H-NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz).
Figure S66. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **7** (methanol-d_4, 125.77 MHz).
Figure S67. 2D *g*-COSY NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz).
Figure S68. 2D TOCSY NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz).
Figure S69. 2D ROESY NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz).
Figure S70. 2D *g*-HSQC-NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S71. 2D *g*-HSQC-TOCSY NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S72. 2D *g*-HMBC-NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S73. 1D TOCSY and 1D ROESY NMR subspectra of H-$1_{(7\text{-}O\text{-}\beta\text{-}GlcA)}$ in compound **7** (methanol-d_4, 500.18 MHz).
Figure S74. 1D TOCSY and 1D ROESY NMR subspectra of H-$1_{(3\text{-}O\text{-}\beta\text{-}Gal)}$ in compound **7** (methanol-d_4, 500.18 MHz).
Figure S75. 1D TOCSY and 1D ROESY NMR subspectra of H-$1_{(2^{Gal}\text{-}O\text{-}\beta\text{-}Glc)}$ in compound **7** (methanol-d_4, 500.18 MHz).
Figure S76. 1D ^{1}H-NMR spectrum of compound **8** (methanol-d_4, 500.18 MHz).

Compound 8

Compound 9

Compound 10

Compound 11

Compound 12

Compound 13

Compound 14

Compound 15

Compound 16

Compound 17

Figure S172. 1D ^{1}H-NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz).
Figure S173. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **17** (methanol-d_4, 125.77 MHz).
Figure S174. 2D *g*-COSY NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz).
Figure S175. 2D TOCSY NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz).
Figure S176. 2D ROESY NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz).
Figure S177. 2D *g*-HSQC-NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S178. 2D *g*-HSQC-TOCSY NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S179. 2D *g*-HMBC-NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S180. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **17** (methanol-d_4, 500.18 MHz).
Figure S181. 1D TOCSY subspectrum of H-2$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **17** (methanol-d_4, 500.18 MHz).
Figure S182. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **17** (methanol-d_4, 500.18 MHz).

Compound 18

Figure S183. 1D ^{1}H-NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz).
Figure S184. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **18** (methanol-d_4, 125.77 MHz).
Figure S185. 2D *g*-COSY NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz).
Figure S186. 2D TOCSY NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz).
Figure S187. 2D ROESY NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz).
Figure S188. 2D *g*-HSQC-NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S189. 2D *g*-HSQC-TOCSY NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S190. 2D *g*-HMBC-NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz, 125.77 MHz).
Figure S191. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **18** (methanol-d_4, 500.18 MHz).
Figure S192. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **18** (methanol-d_4, 500.18 MHz).
Figure S193. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **18** (methanol-d_4, 500.18 MHz).
Figure S194. UPLC-MS chromatograms of phenolic acid reference standards.
Figure S195. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **4**.
Figure S196. The UV spectrum of the putative 3,4,5-trihydroxycinnamic acid.

Compound 1

Figure S1. 1D ^{1}H-NMR spectrum of compound **1** (methanol-d_4, 500.18 MHz).

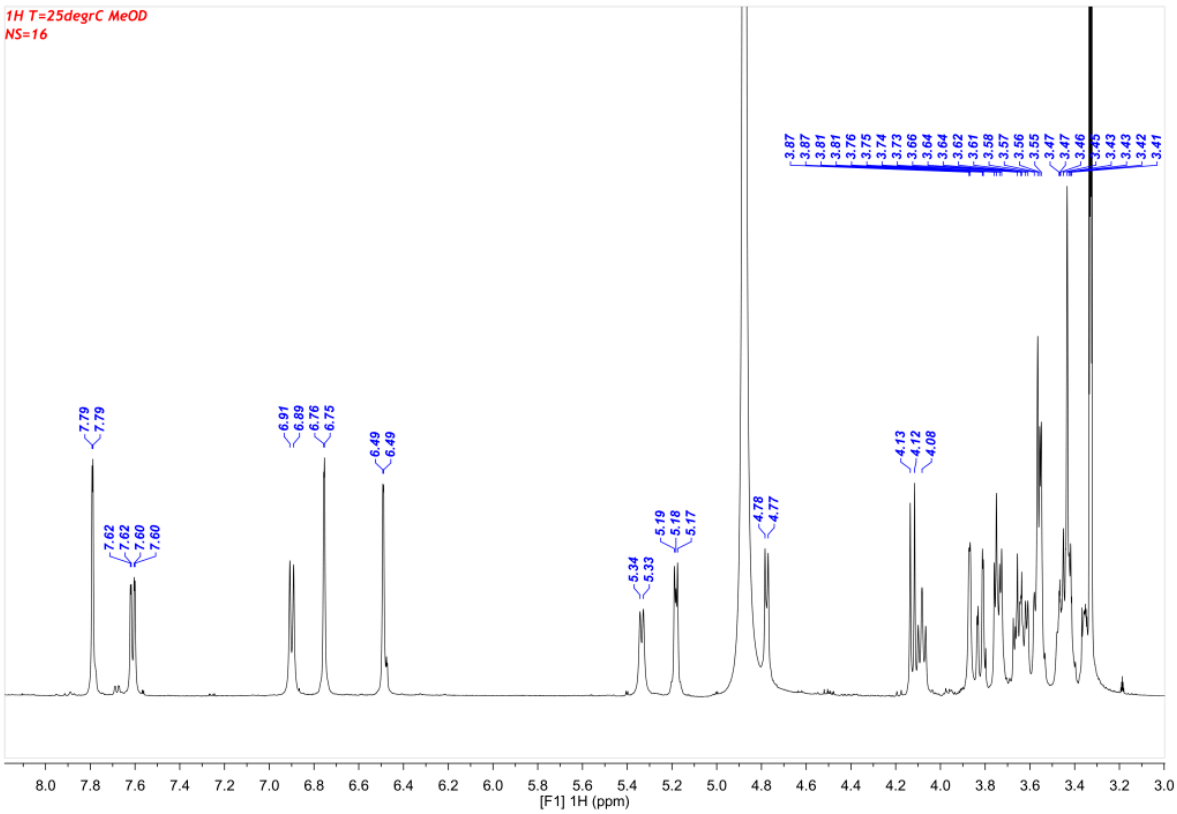


Figure S2. 1D ^{13}C-NMR spectra (^{1}H decoupled and DEPT-135) (methanol-d_4, 125.77 MHz).

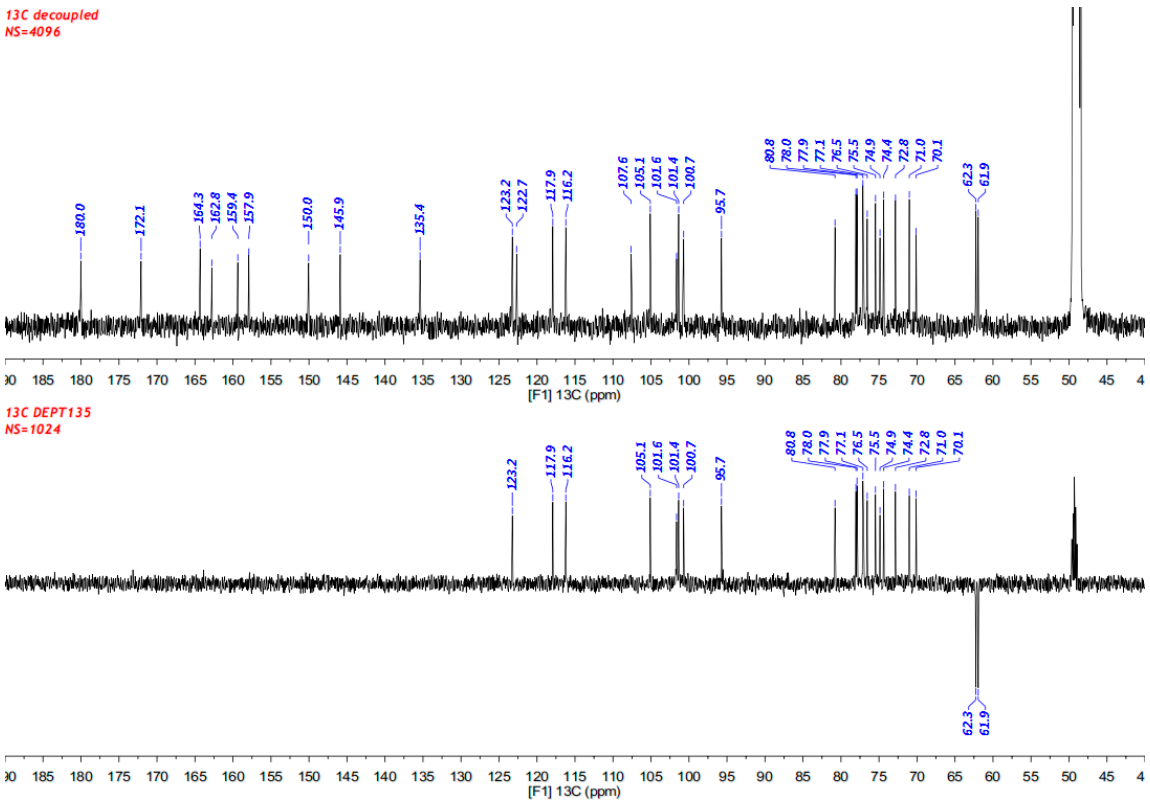


Figure S3. 2D *g*-COSY NMR spectrum of compound **1** (methanol-d_4, 500.18 MHz).

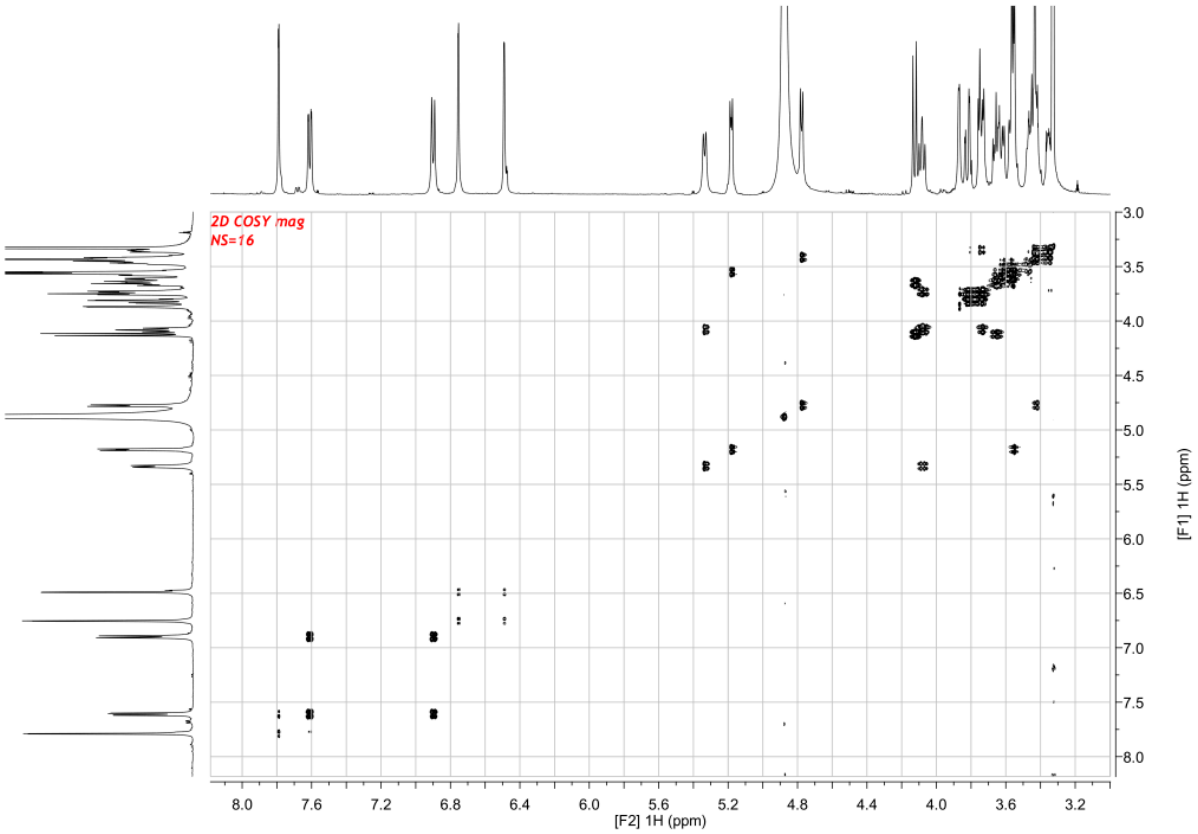


Figure S4. 2D TOCSY NMR spectrum of compound **1** (methanol-d_4, 500.18 MHz).

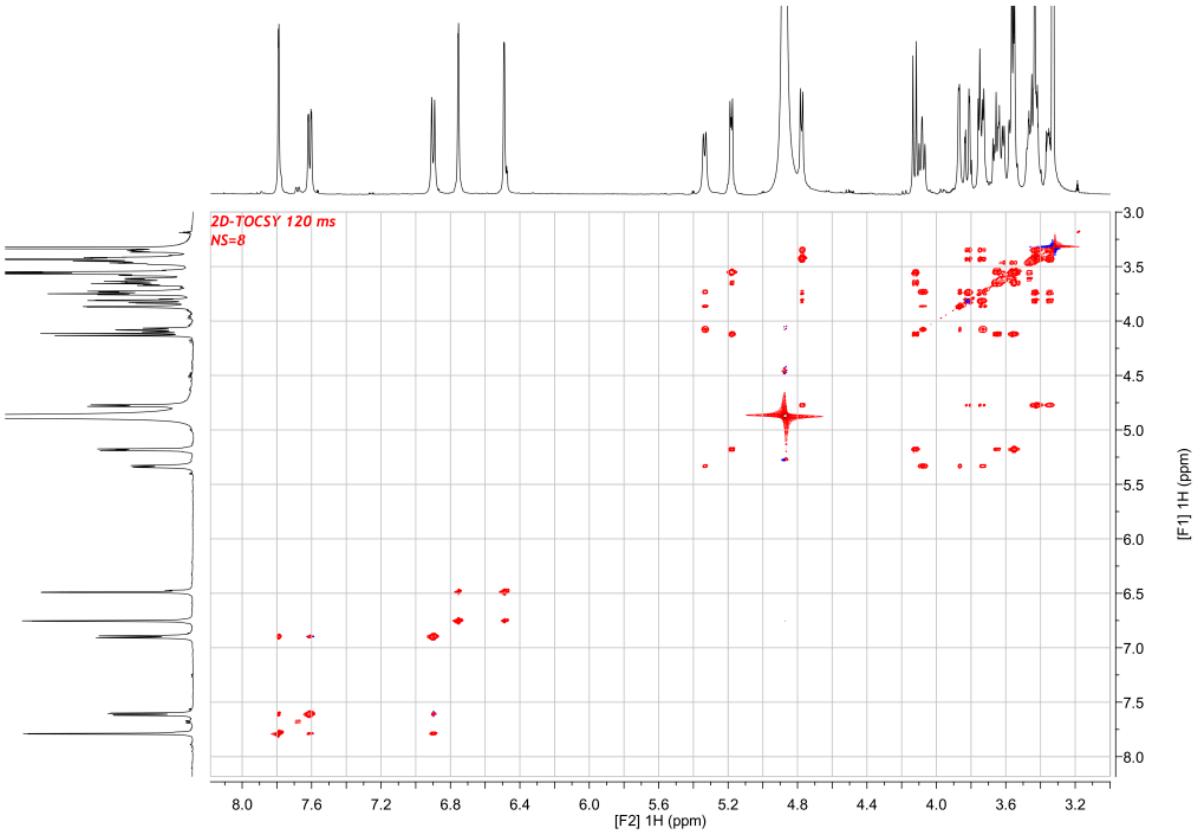


Figure S5. 2D ROESY NMR spectrum of compound **1** (methanol-d_4, 500.18 MHz).

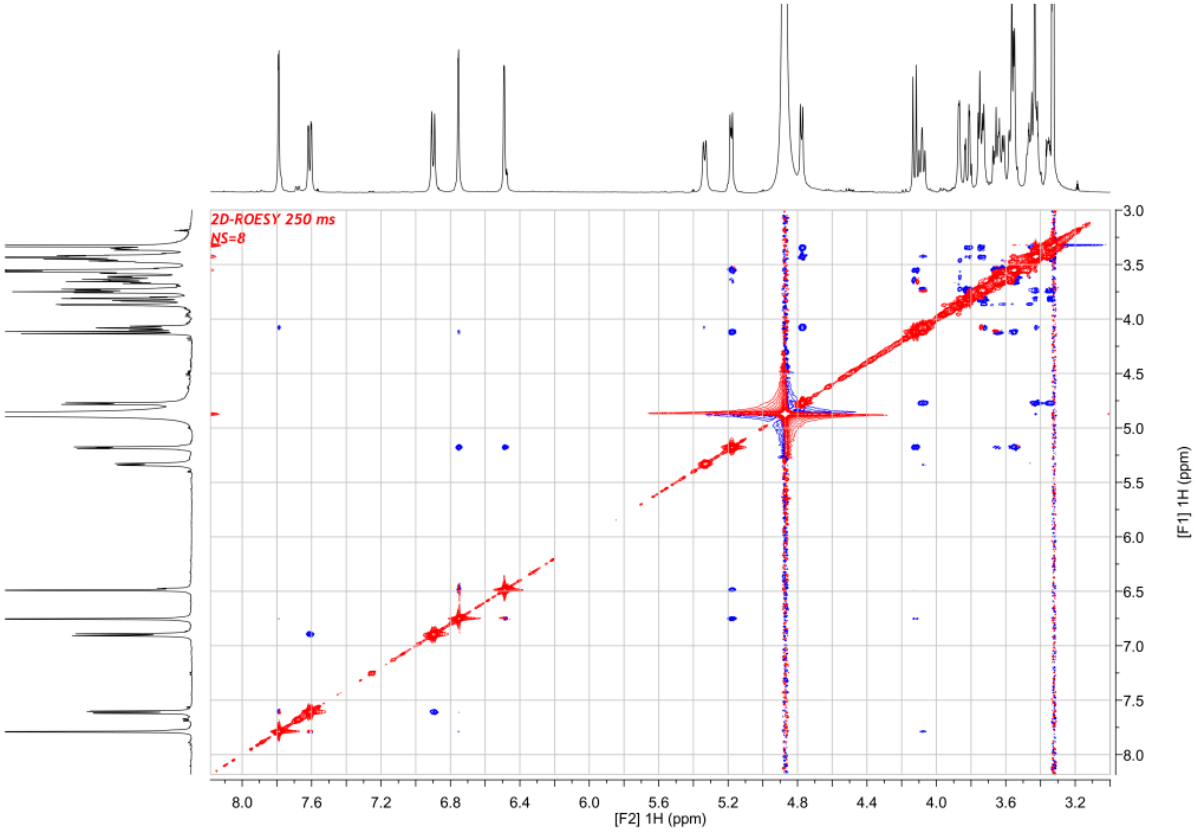


Figure S6. 2D *g*-HSQC-NMR spectrum of compound **1** (methanol-d_4, 500.18 MHz, 125.77 MHz).

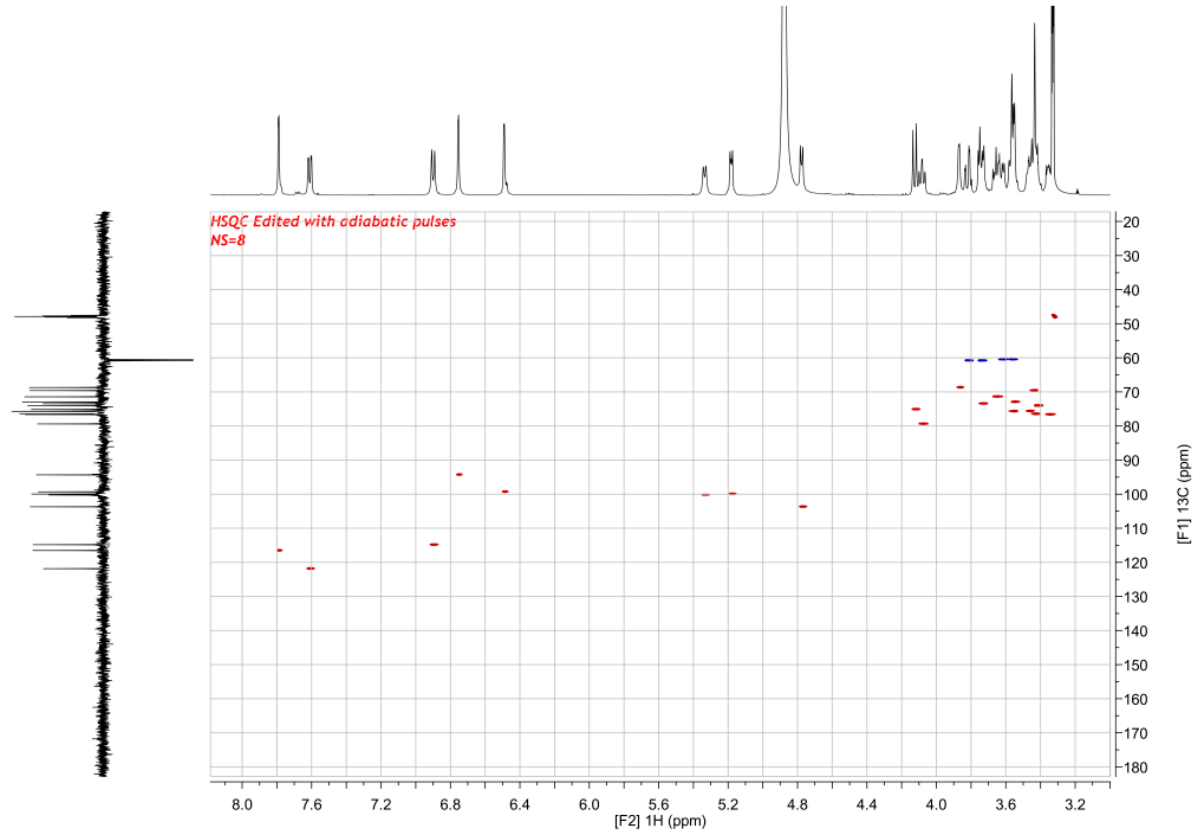


Figure S7. 2D *g*-HSQC-TOCSY NMR spectrum of compound **1** (methanol-d_4, 500.18 MHz, 125.77 MHz).

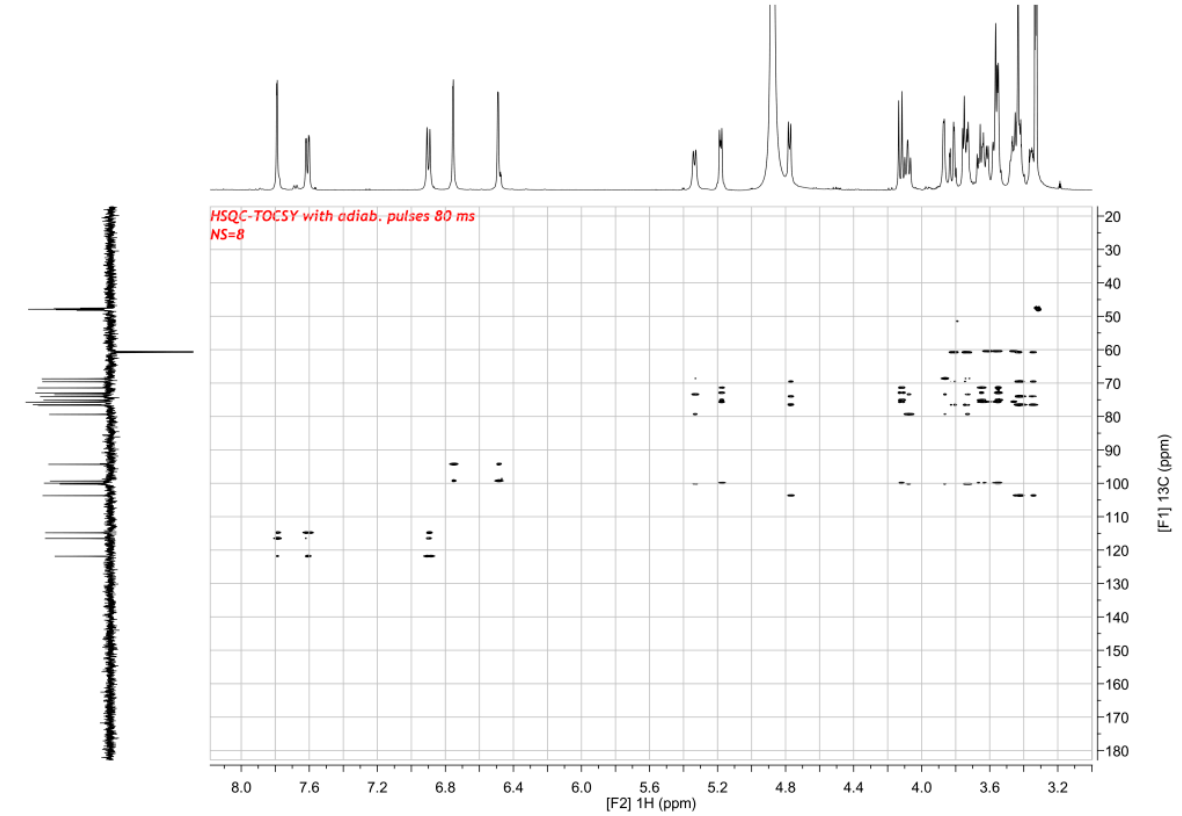


Figure S8. 2D *g*-HMBC-NMR spectrum of compound **1** (methanol-d_4, 500.18 MHz, 125.77 MHz).

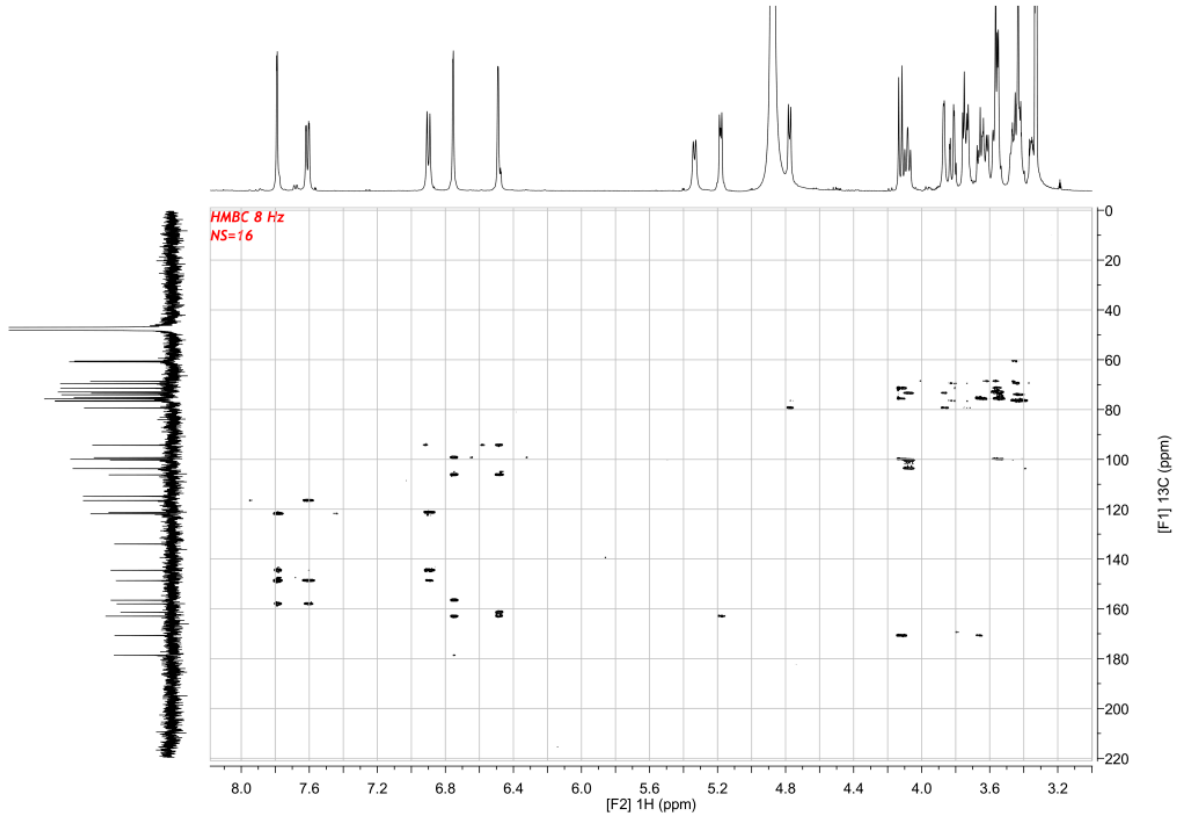


Figure S9. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **1** (methanol-d_4, 500.18 MHz).

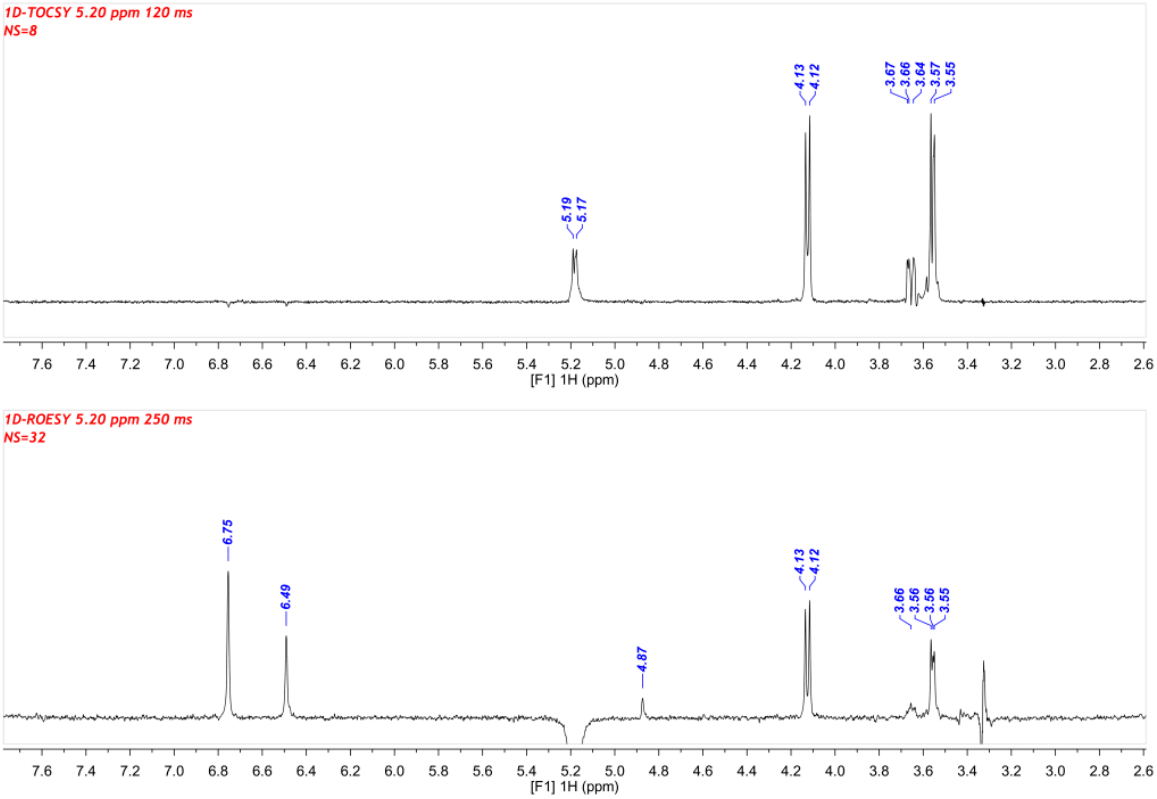


Figure S10. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **1** (methanol-d_4, 500.18 MHz).

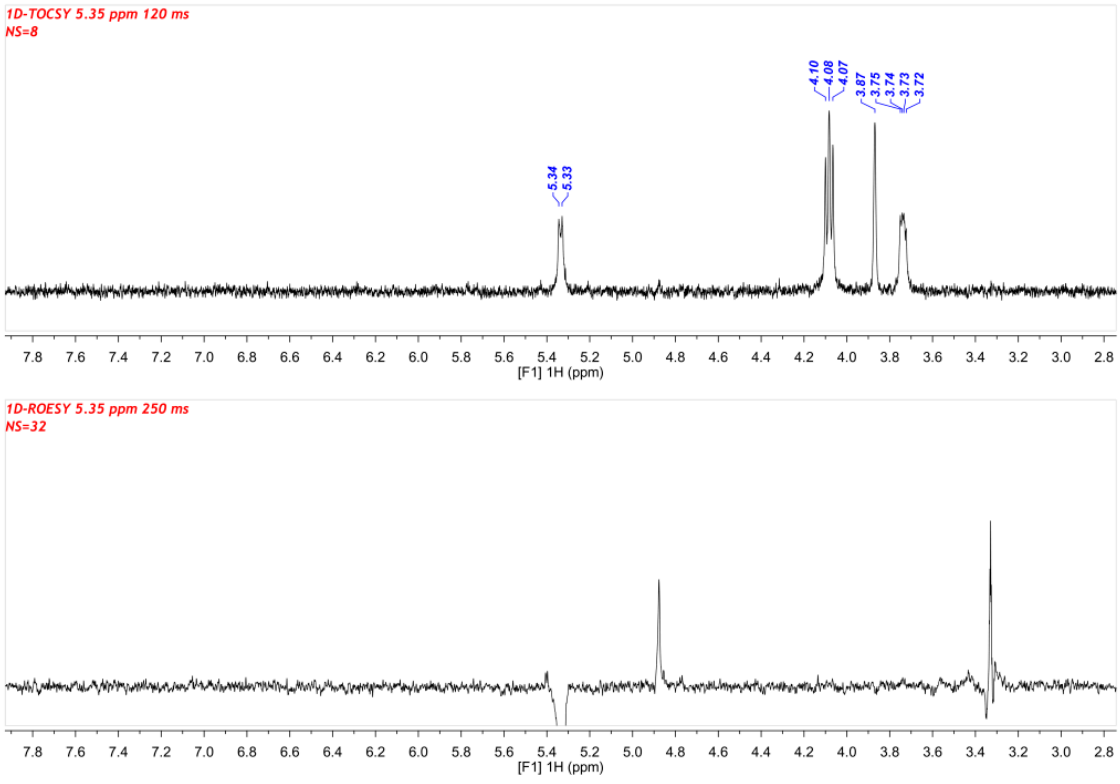
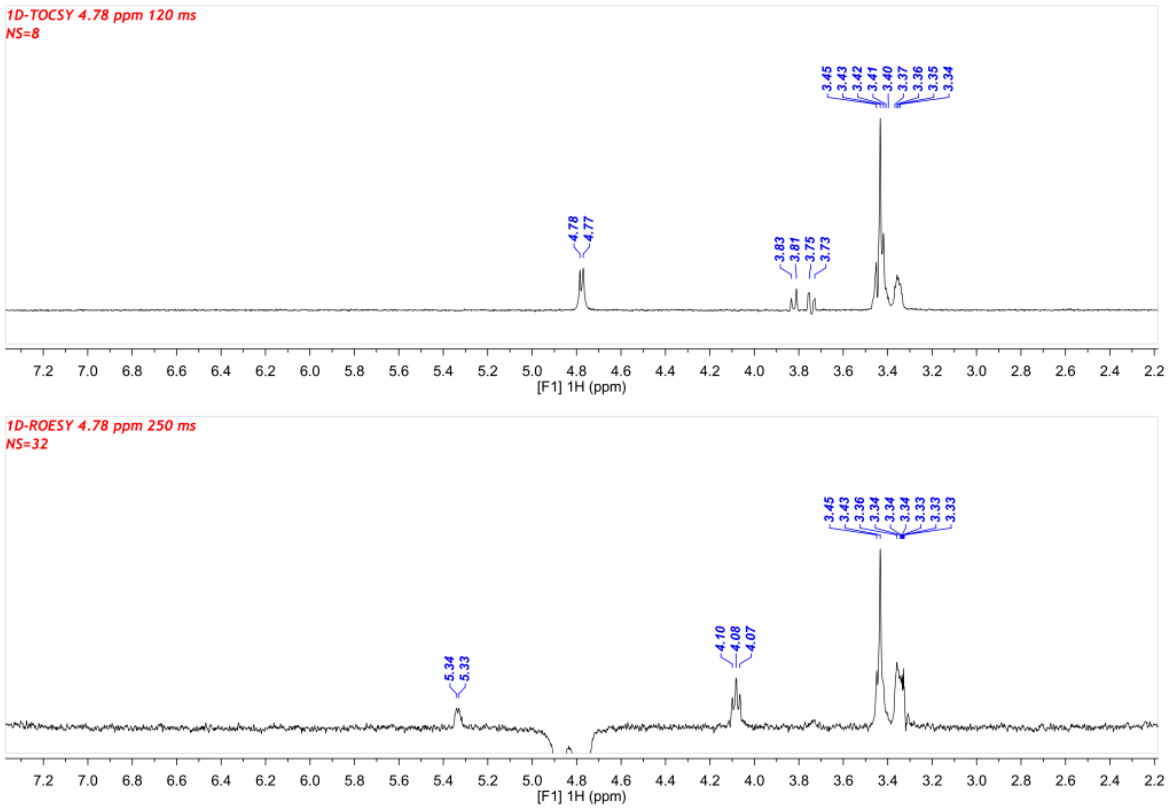


Figure S11. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **1** (methanol-d_4, 500.18 MHz).



Compound 2

Figure S12. 1D ^{1}H-NMR spectrum of compound **2** (methanol-d_4, 500.18 MHz).

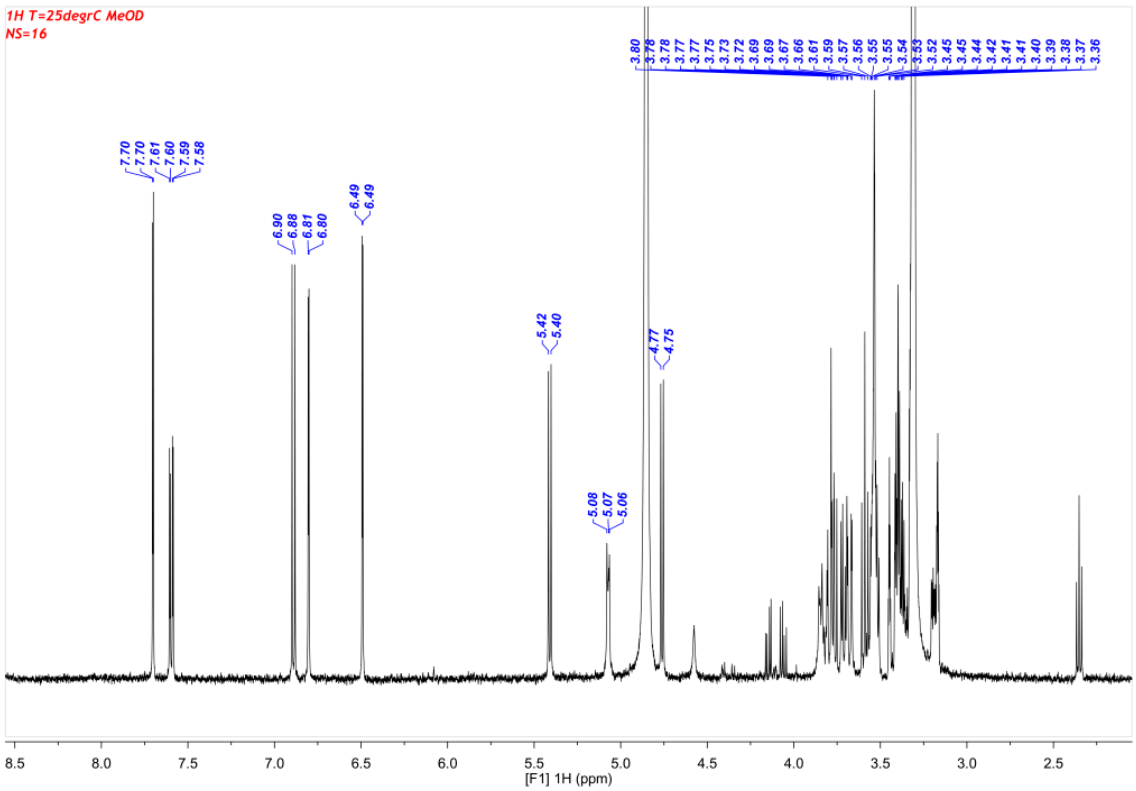


Figure S13. 1D ^{13}C-NMR spectrum (^{1}H decoupled) of compound **2** (methanol-d_4, 125.77 MHz).

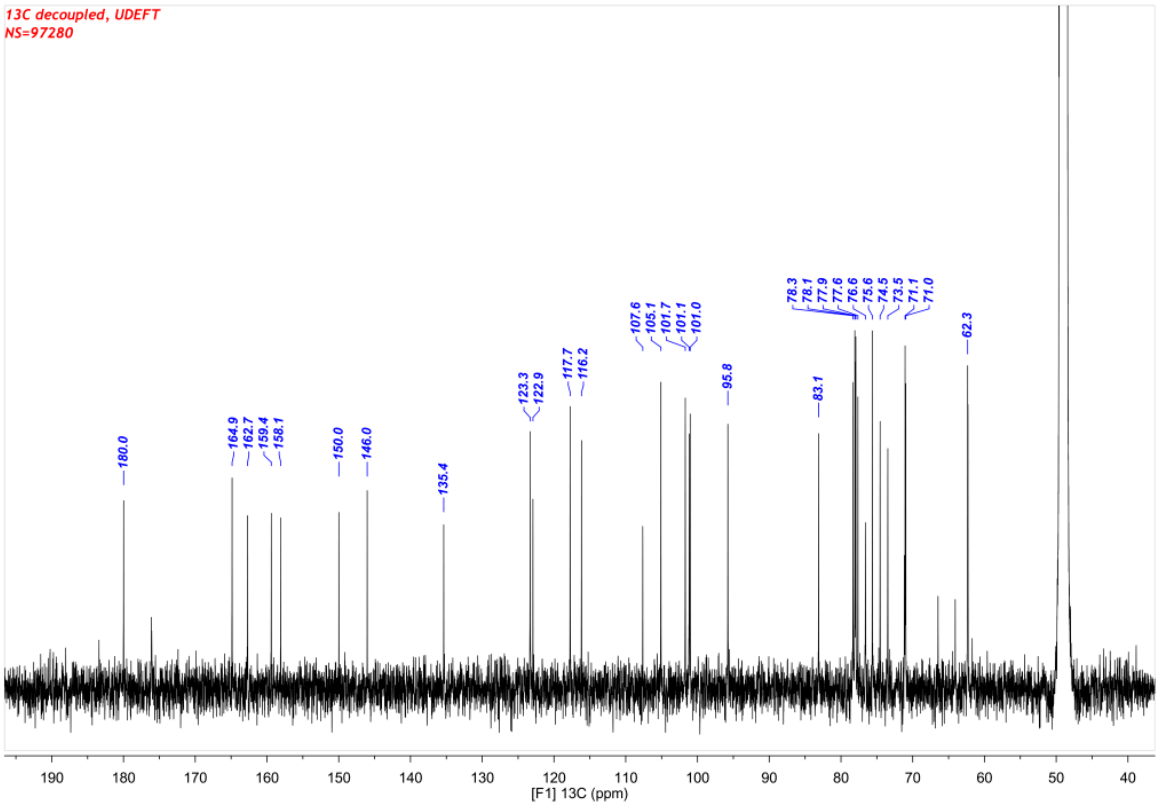


Figure S14. 2D *g*-COSY NMR spectrum of compound **2** (methanol-d_4, 500.18 MHz).

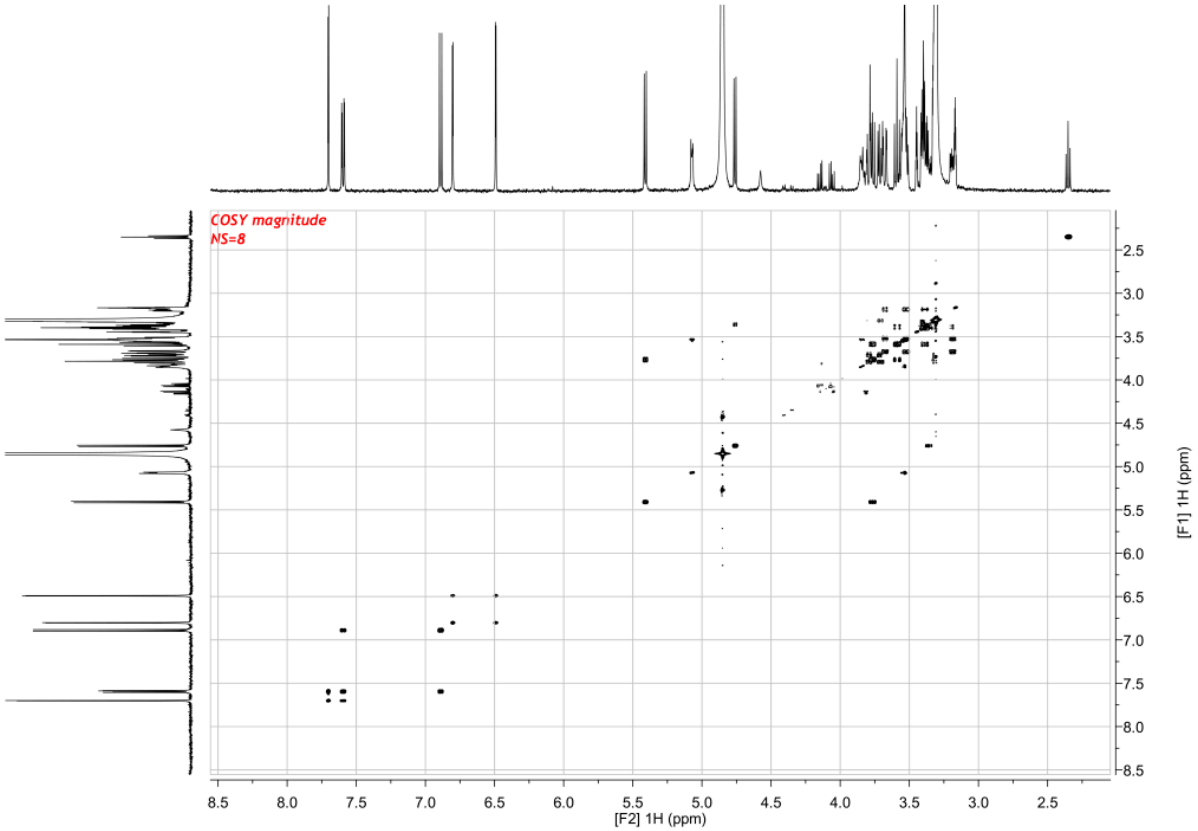


Figure S15. 2D TOCSY NMR spectrum of compound **2** (methanol-d_4, 500.18 MHz).

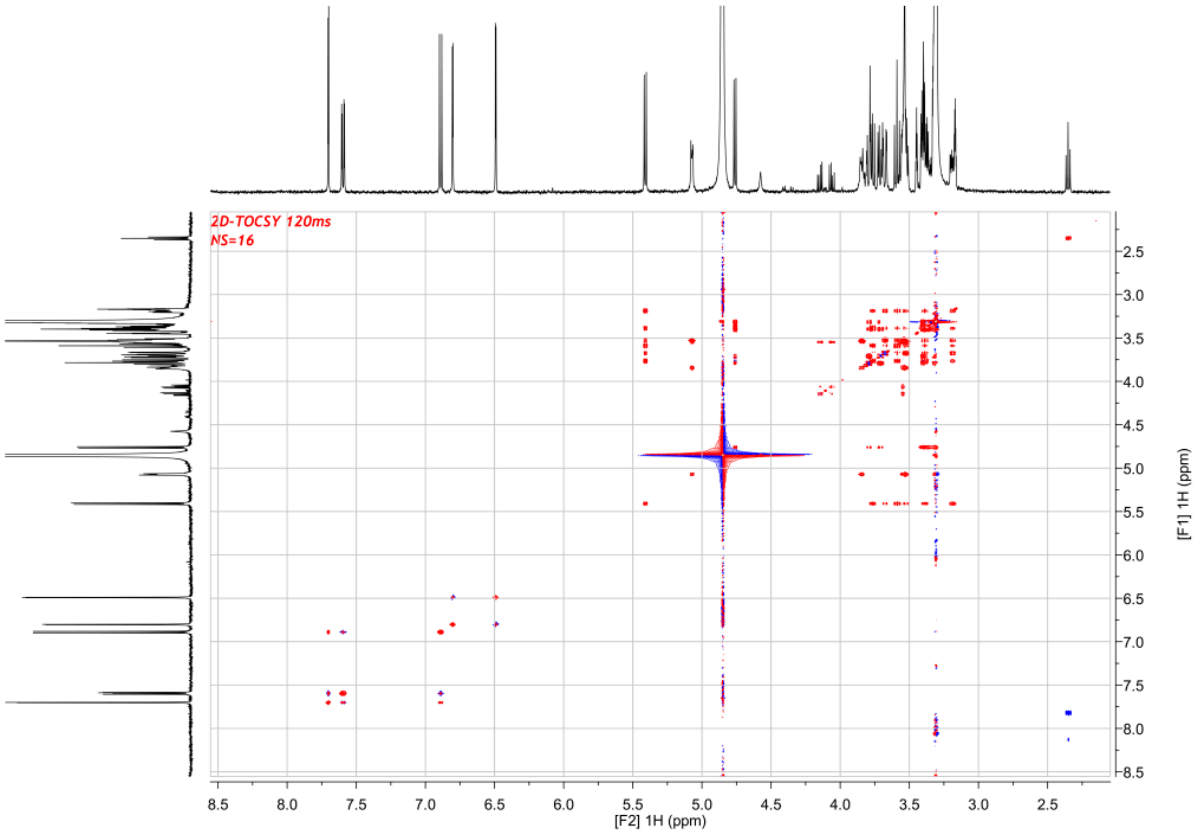


Figure S16. 2D ROESY NMR spectrum of compound **2** (methanol-d_4, 500.18 MHz).

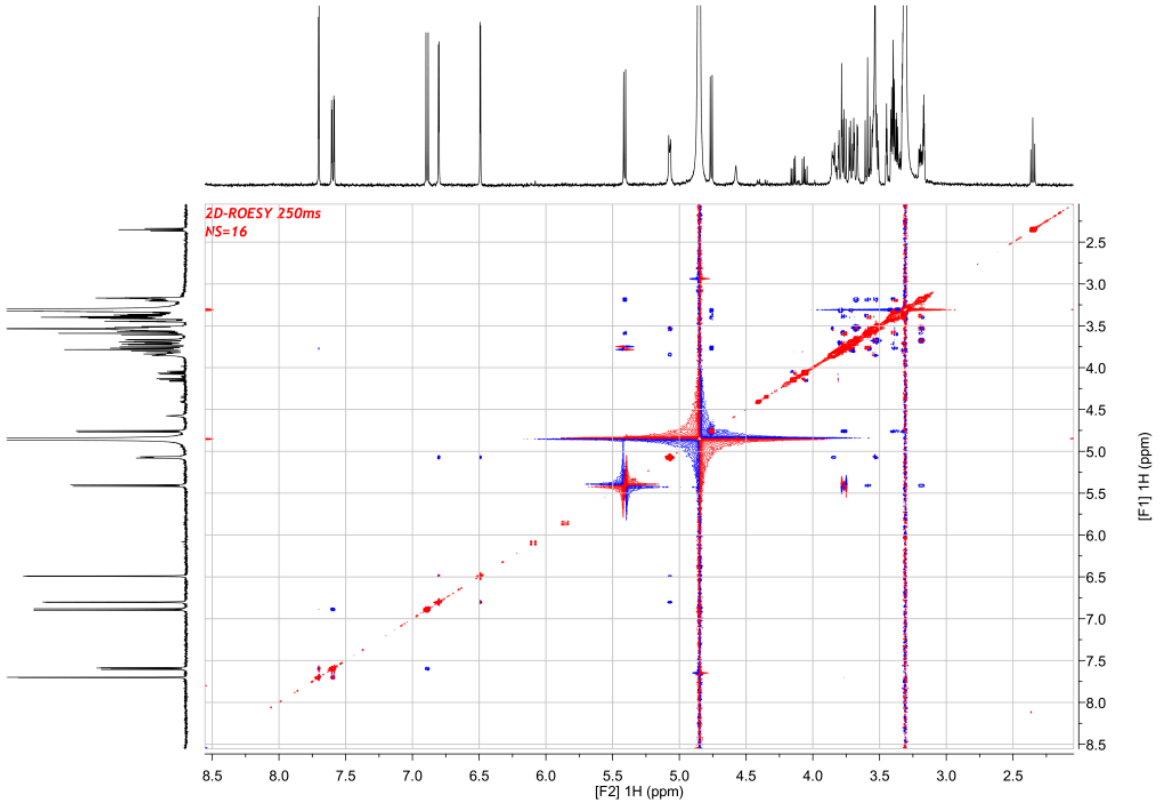


Figure S17. 2D *g*-HSQC-NMR spectrum of compound **2** (methanol-d_4, 500.18 MHz, 125.77 MHz).

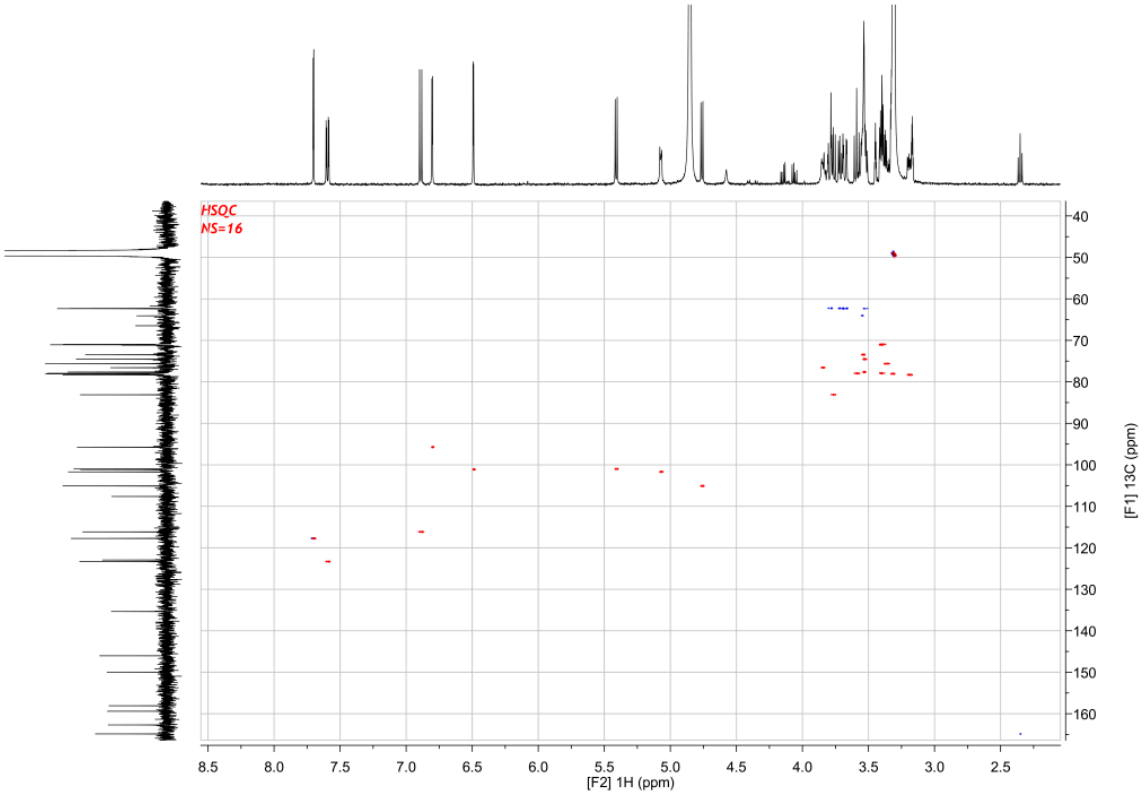


Figure S18. 2D *g*-HSQC-TOCSY NMR spectrum of compound **2** (methanol-d_4, 500.18 MHz, 125.77 MHz).

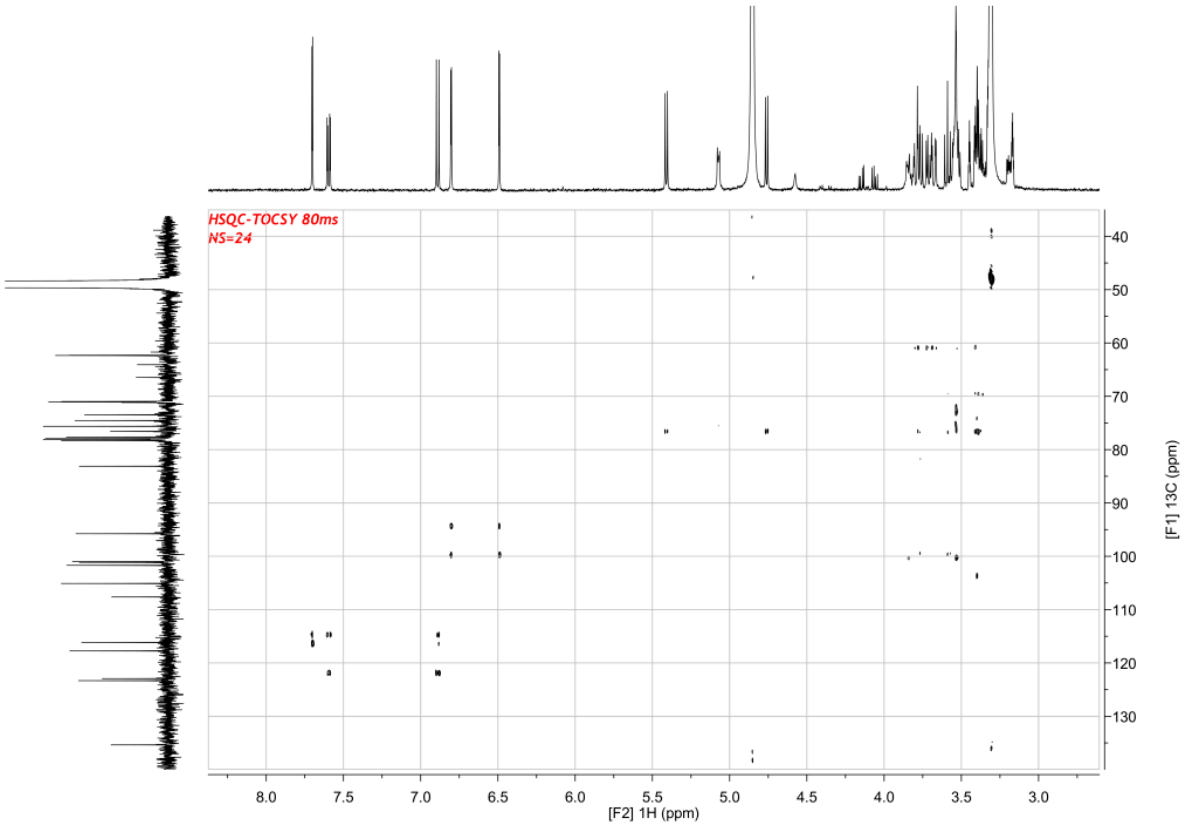


Figure S19. 2D *g*-HMBC-NMR spectrum of compound **2** (methanol-d_4, 500.18 MHz, 125.77 MHz).

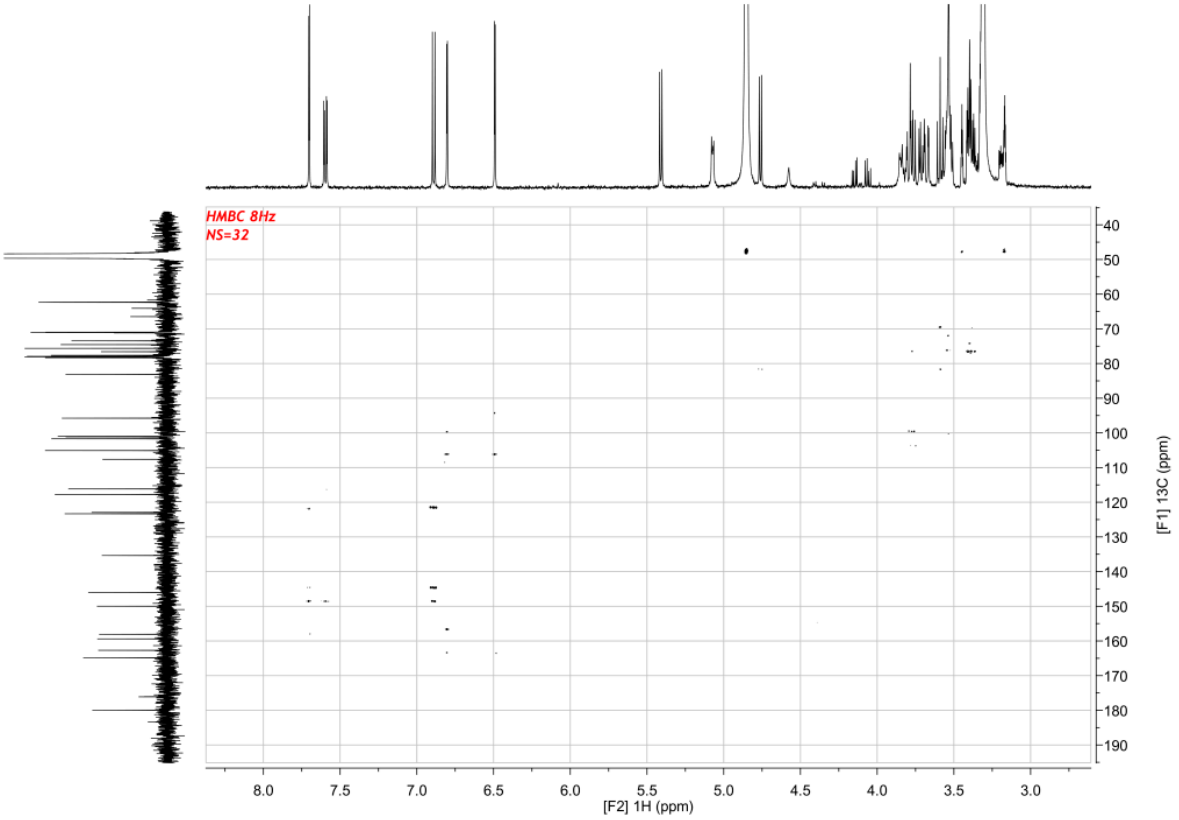


Figure S20. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **2** (methanol-d_4, 500.18 MHz).

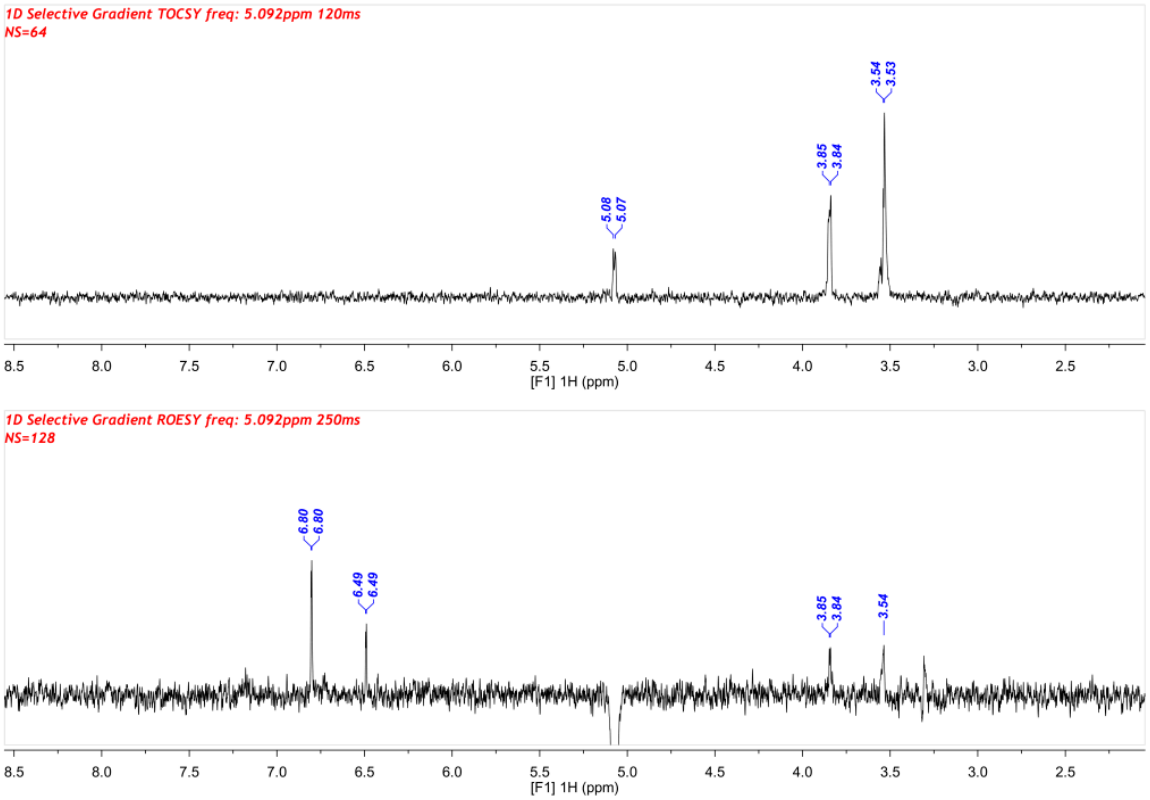


Figure S21. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Glc})}$ in compound **2** (methanol-d_4, 500.18 MHz).

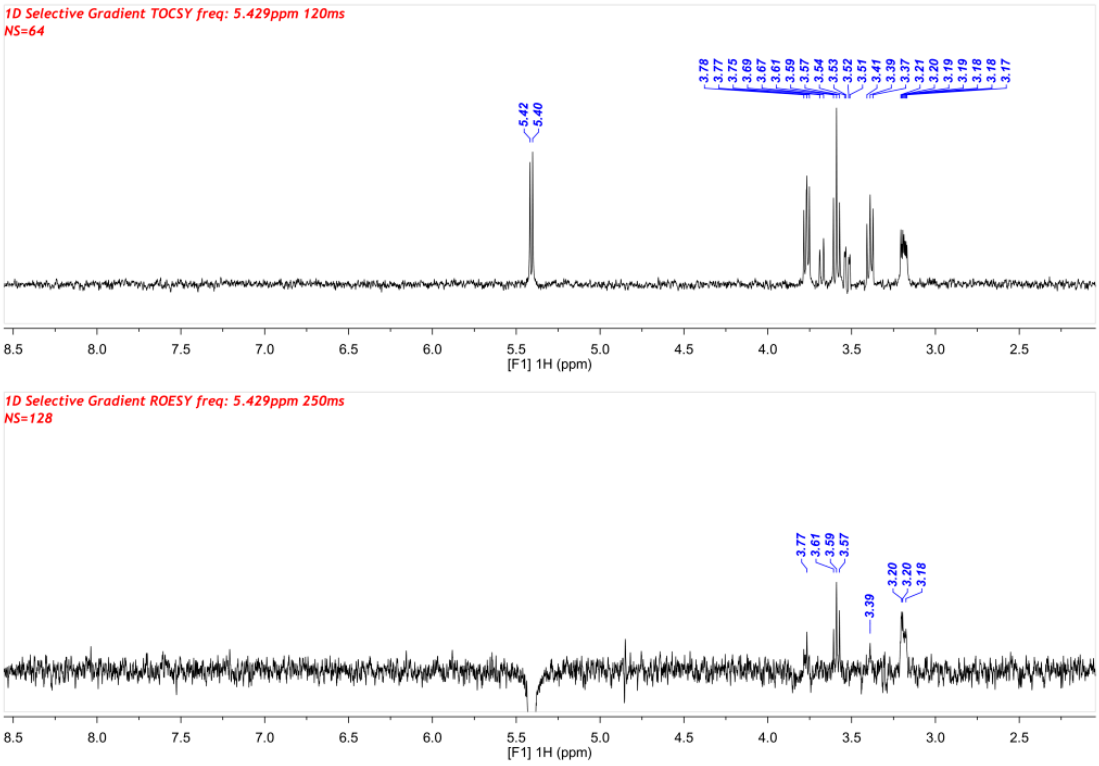
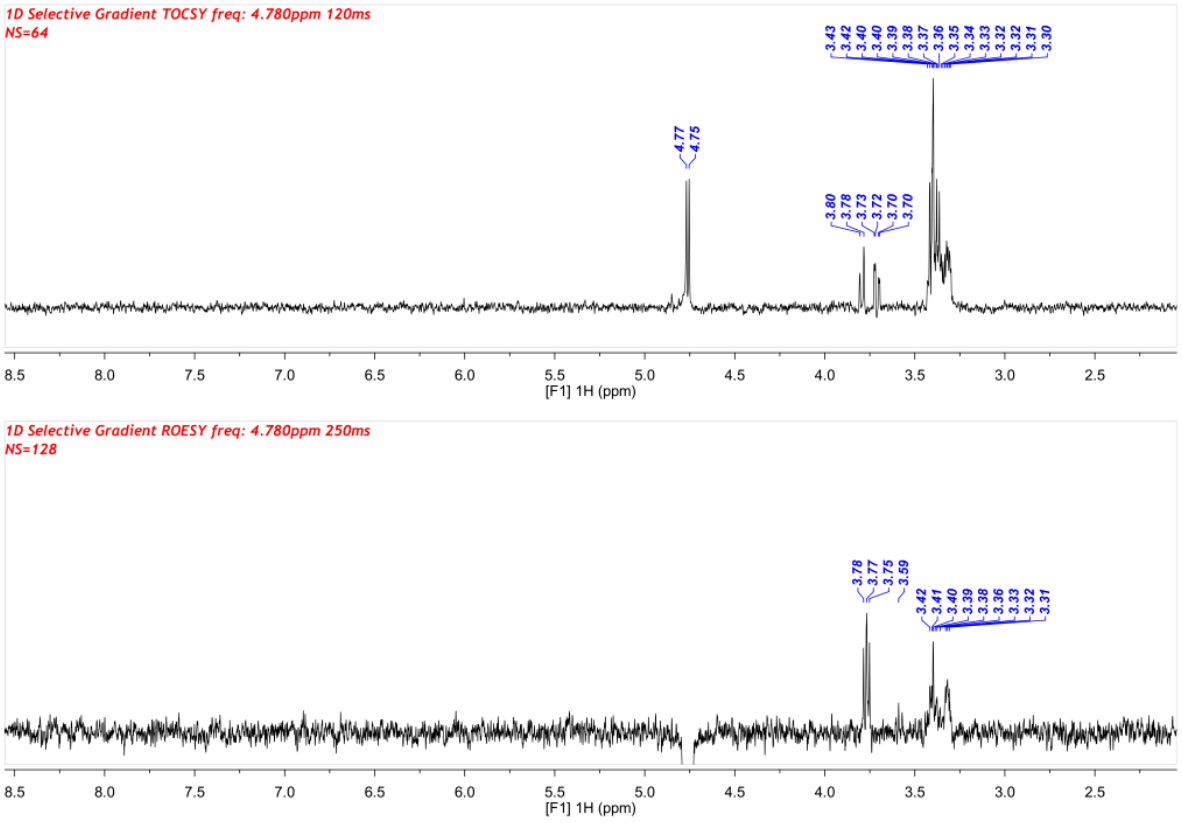


Figure S22. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Glc}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **2** (methanol-d_4, 500.18 MHz).



Compound 3

Figure S23. 1D ^{1}H-NMR spectrum of compound **3** (methanol-d_4, 500.18 MHz).

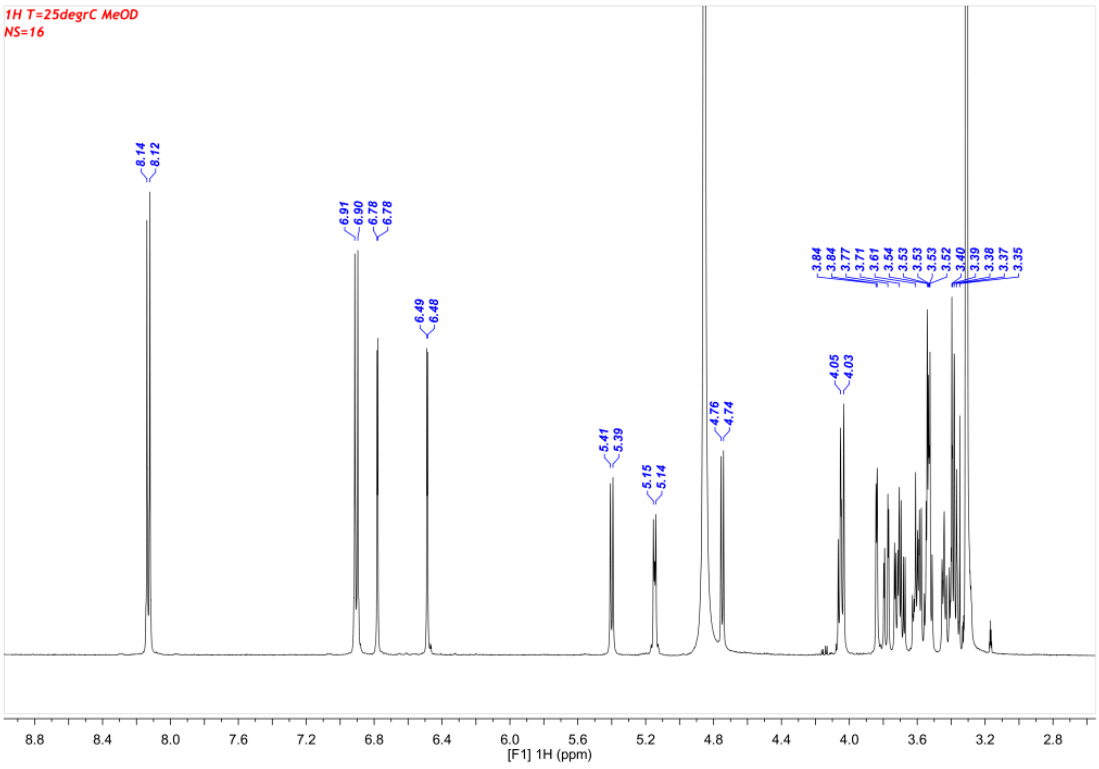


Figure S24. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **3** (methanol-d_4, 125.77 MHz).

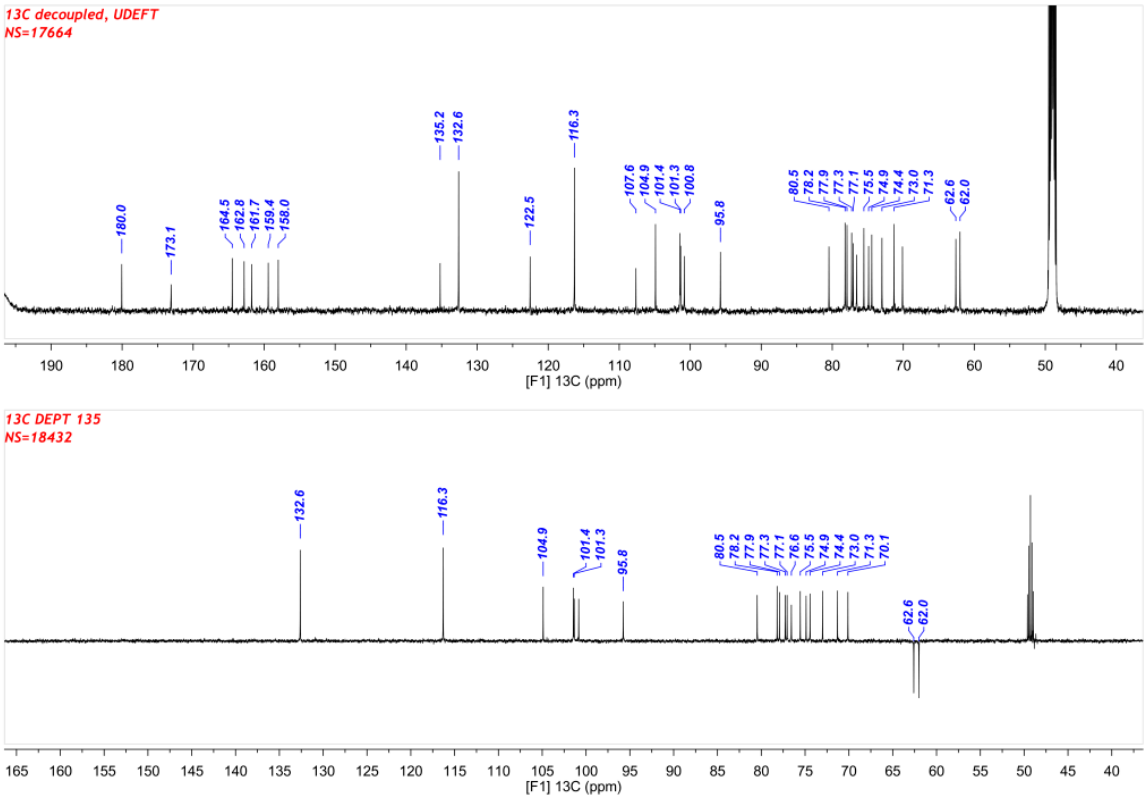


Figure S25. 2D *g*-COSY NMR spectrum of compound **3** (methanol-d_4, 500.18 MHz).

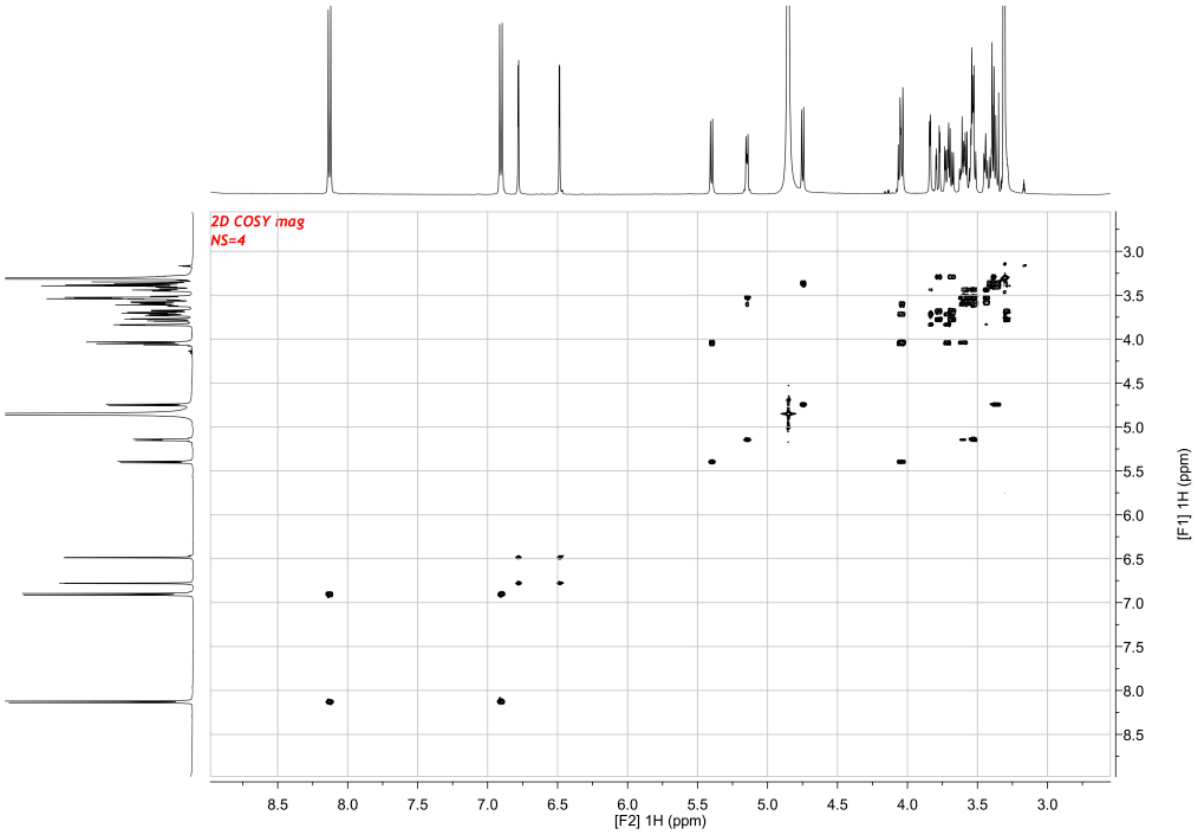


Figure S26. 2D TOCSY NMR spectrum of compound **3** (methanol-d_4, 500.18 MHz).

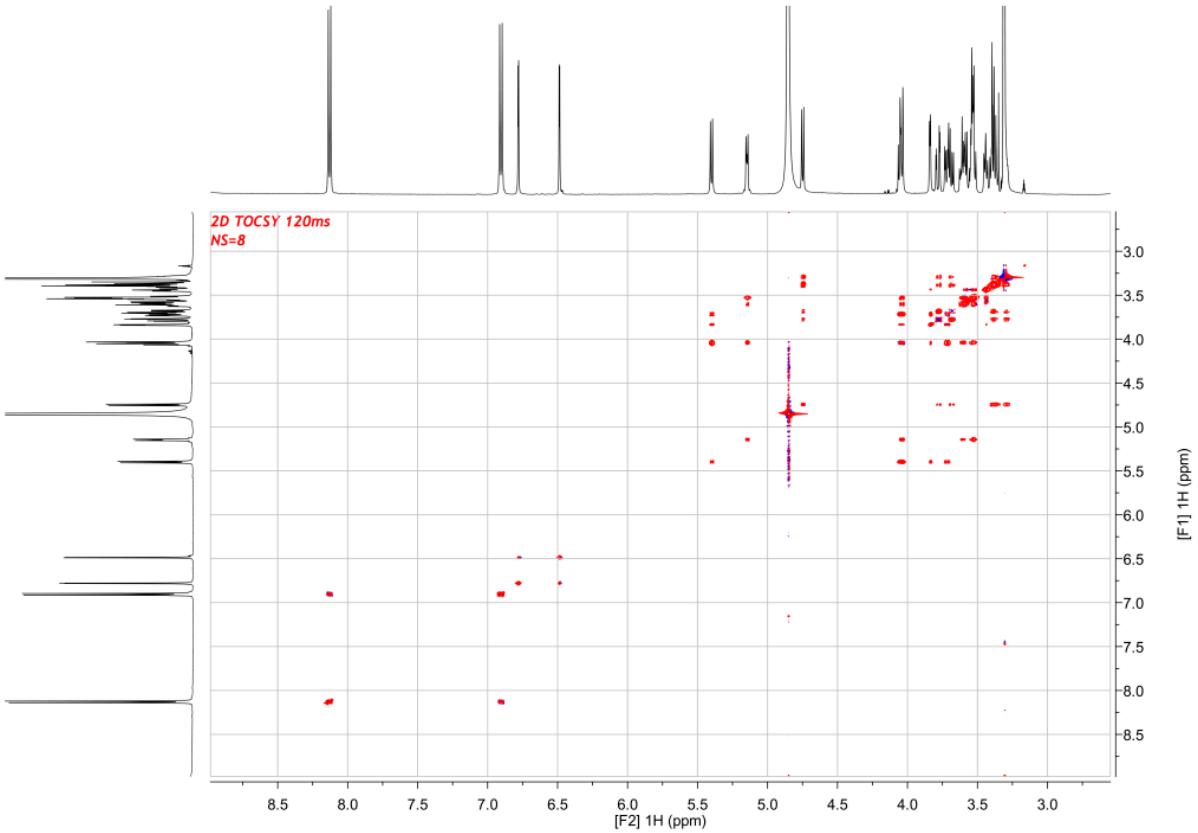


Figure S27. 2D ROESY NMR spectrum of compound **3** (methanol-d_4, 500.18 MHz).

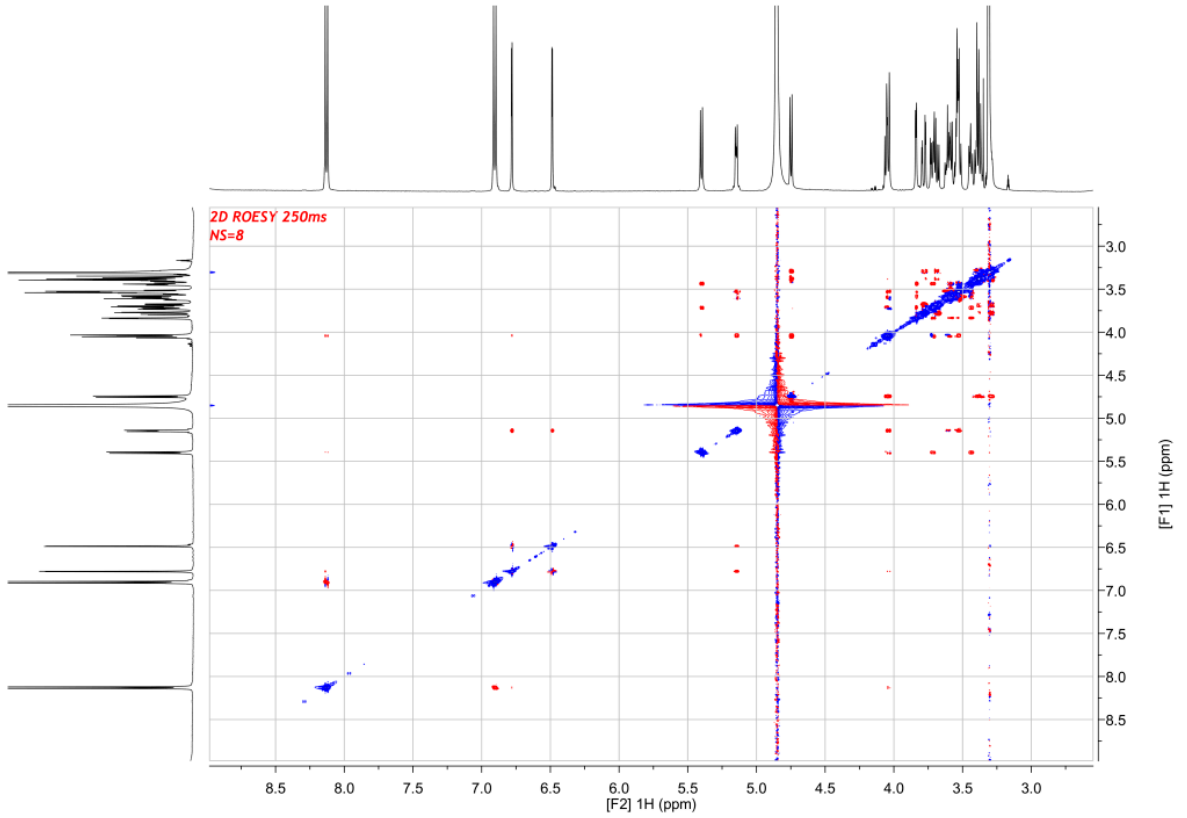


Figure S28. 2D *g*-HSQC-NMR spectrum of compound **3** (methanol-d_4, 500.18 MHz, 125.77 MHz).

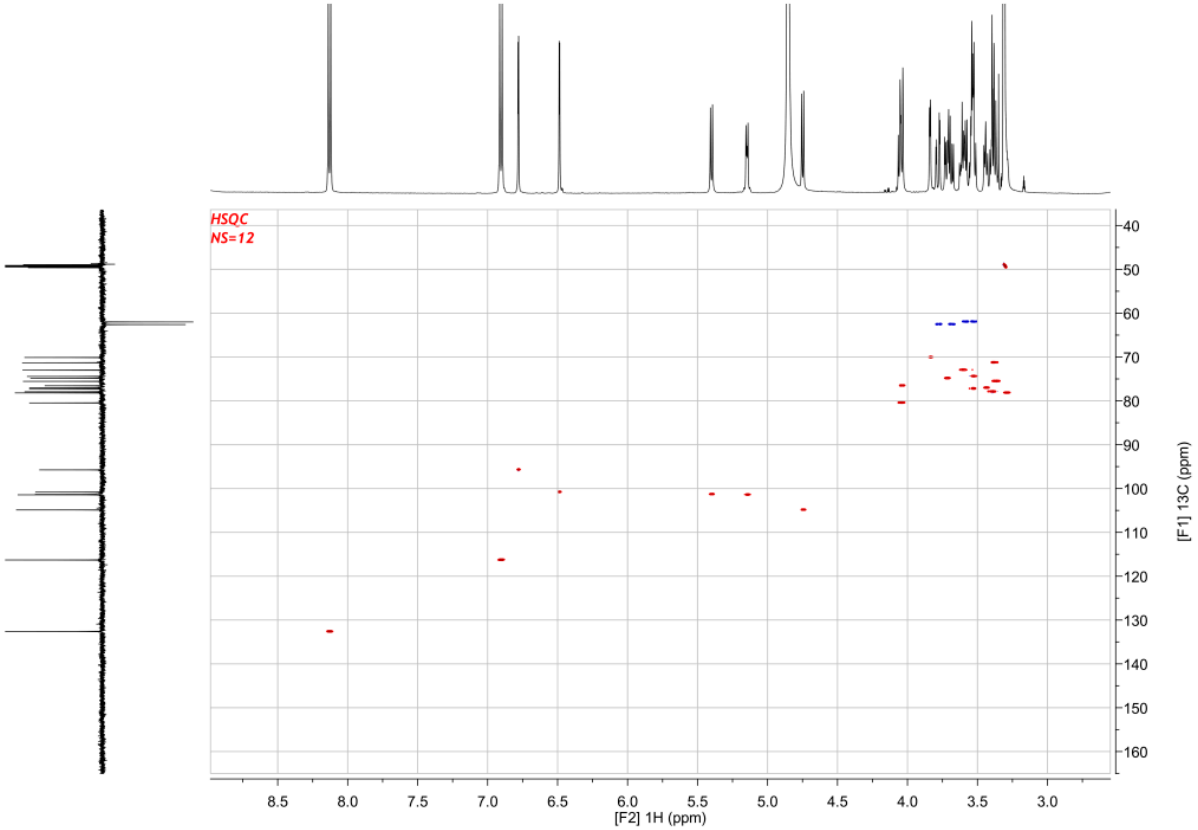


Figure S29. 2D *g*-HSQC-TOCSY NMR spectrum of compound **3** (methanol-d_4, 500.18 MHz, 125.77 MHz).

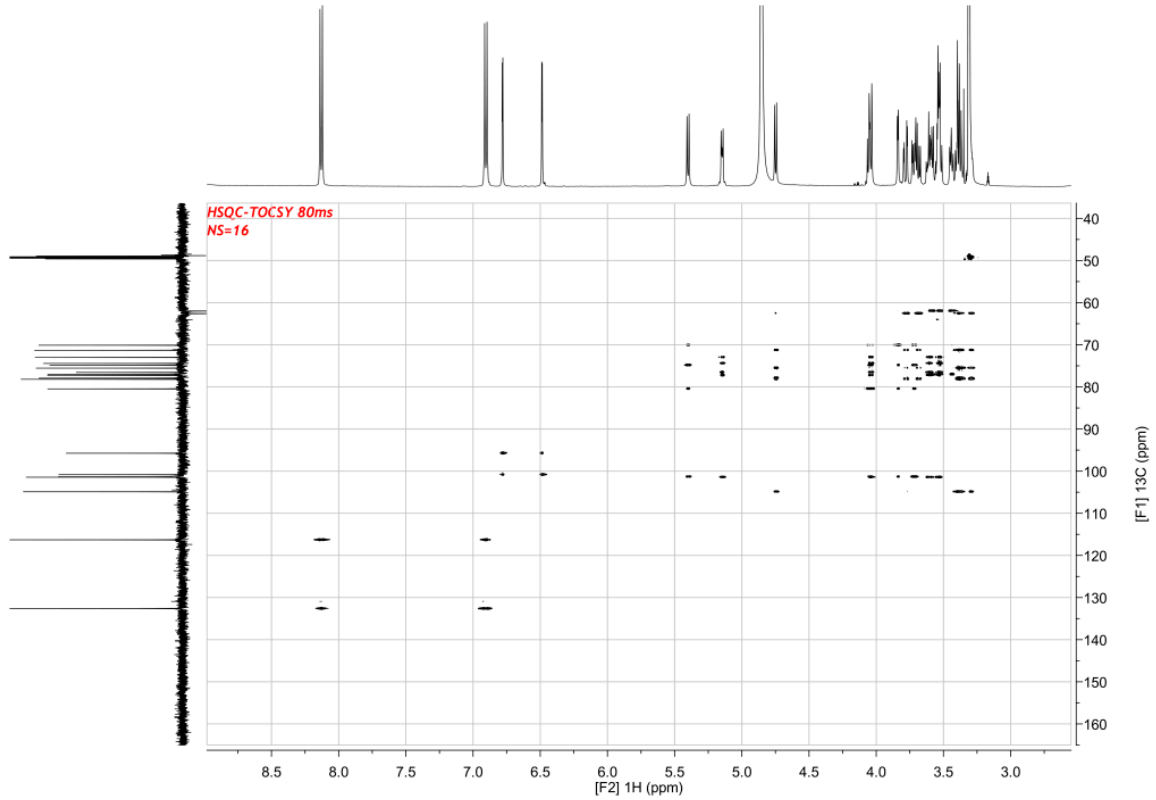


Figure S30. 2D *g*-HMBC-NMR spectrum of compound **3** (methanol-d_4, 500.18 MHz, 125.77 MHz).

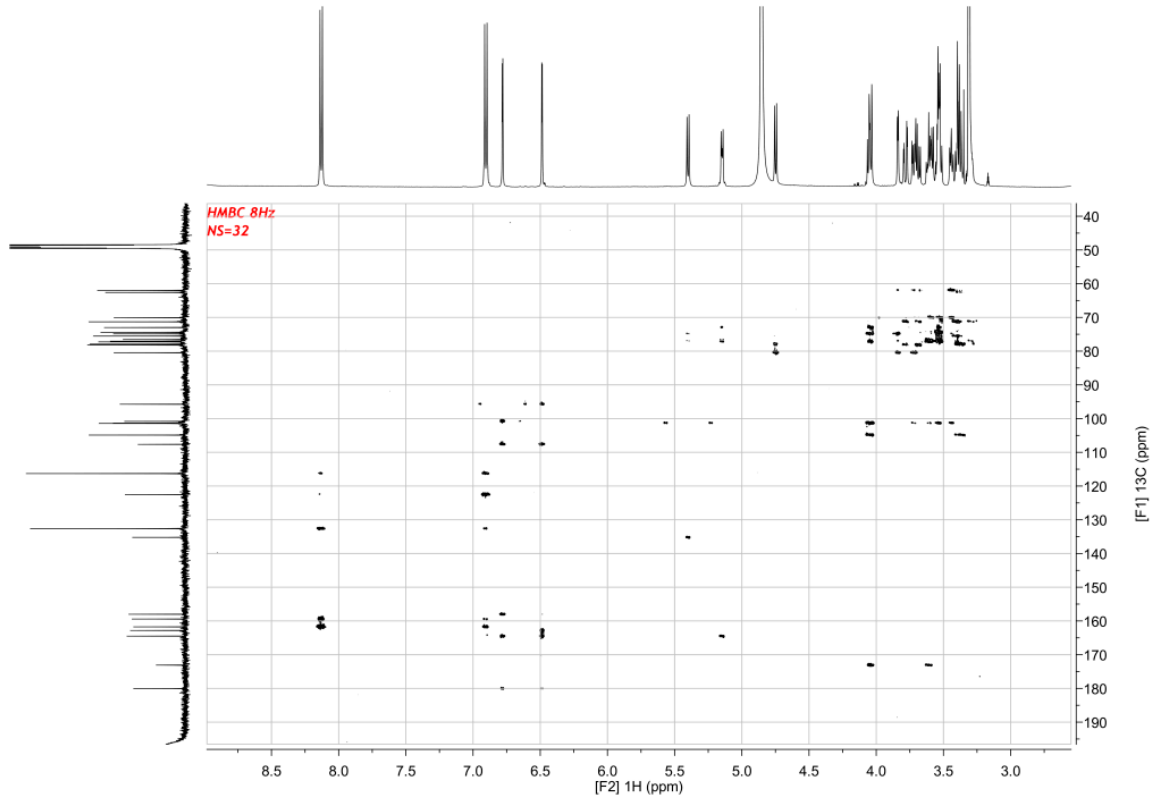


Figure S31. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **3** (methanol-d_4, 500.18 MHz).

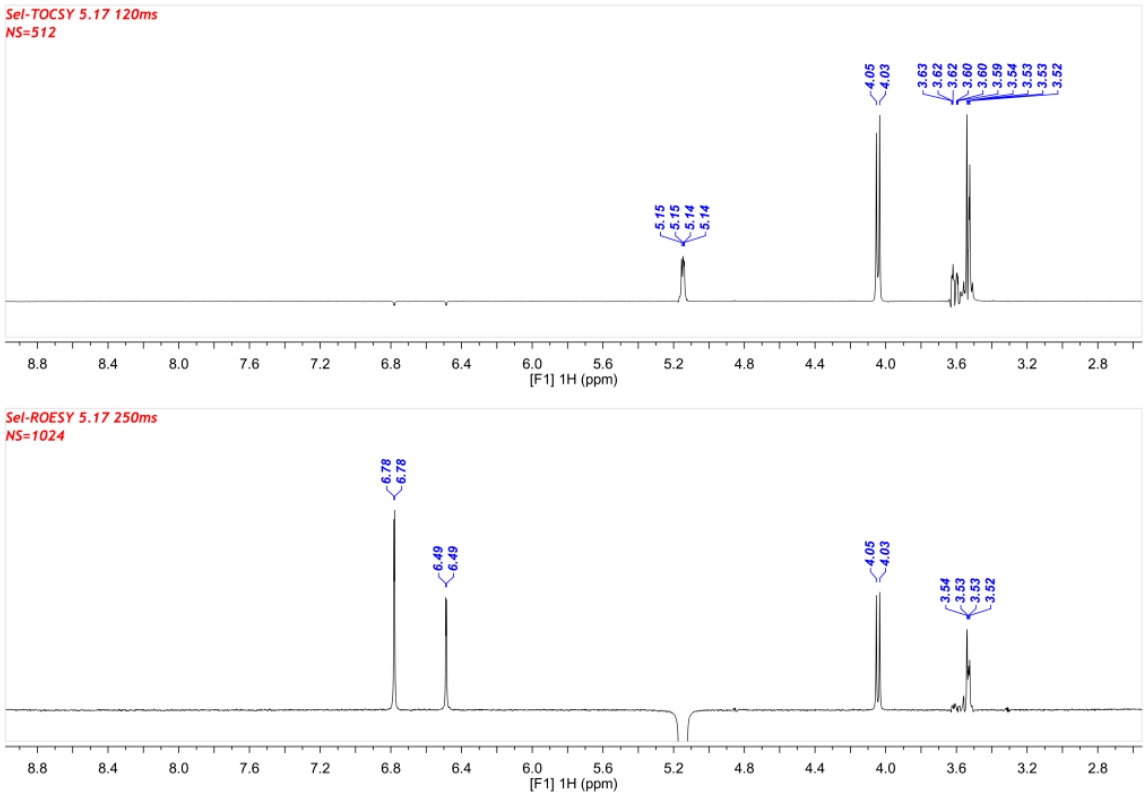


Figure S32. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **3** (methanol-d_4, 500.18 MHz).

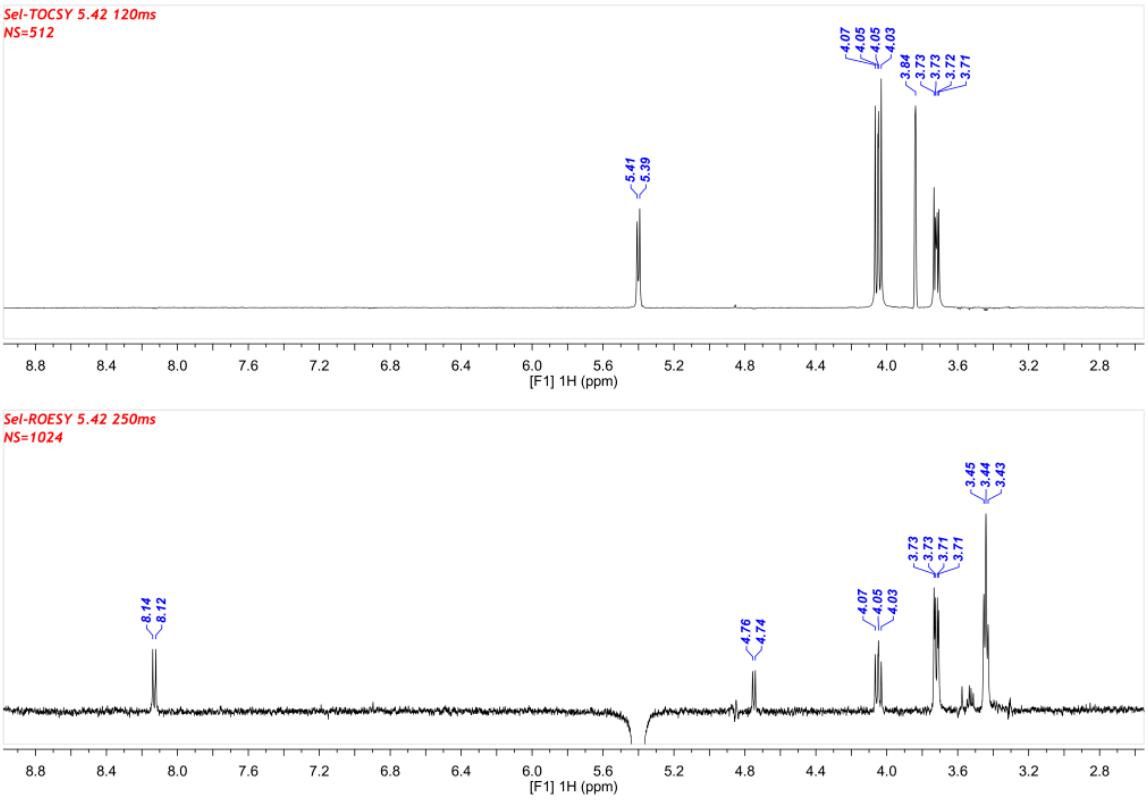
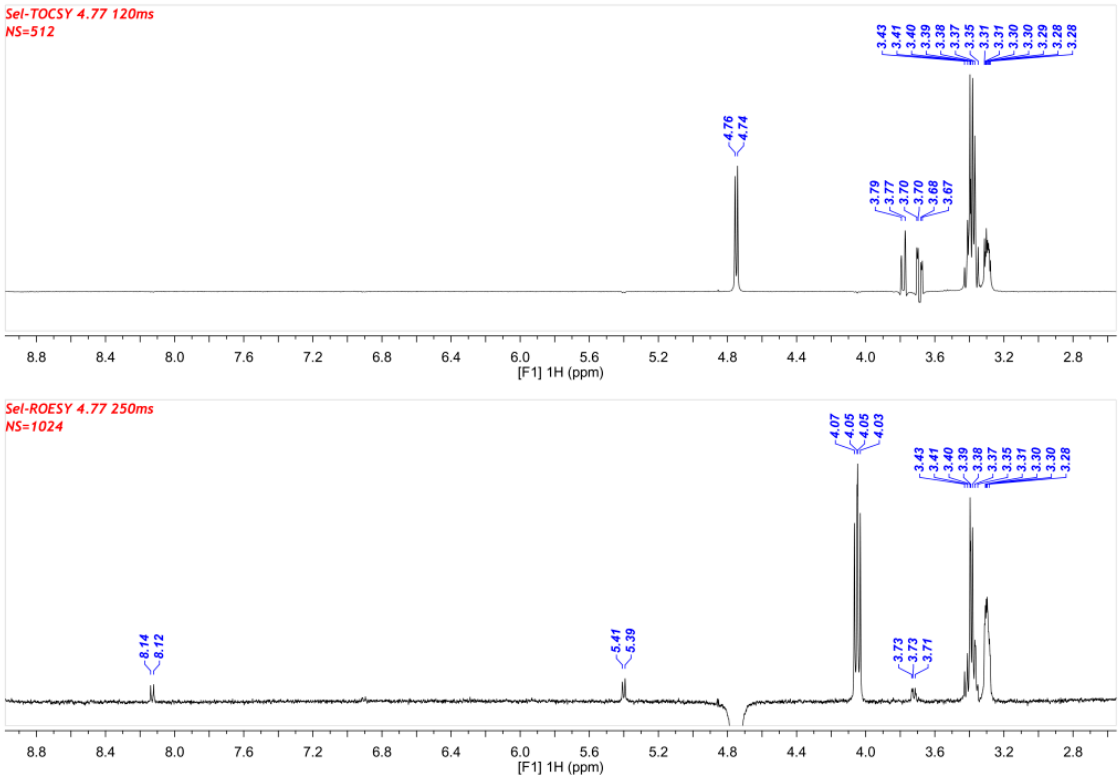


Figure S33. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-}Glc)}$ in compound **3** (methanol-d_4, 500.18 MHz).



Compound 4

Figure S34. 1D ^{1}H-NMR spectrum of compound **4** (methanol-d_4, 500.18 MHz).

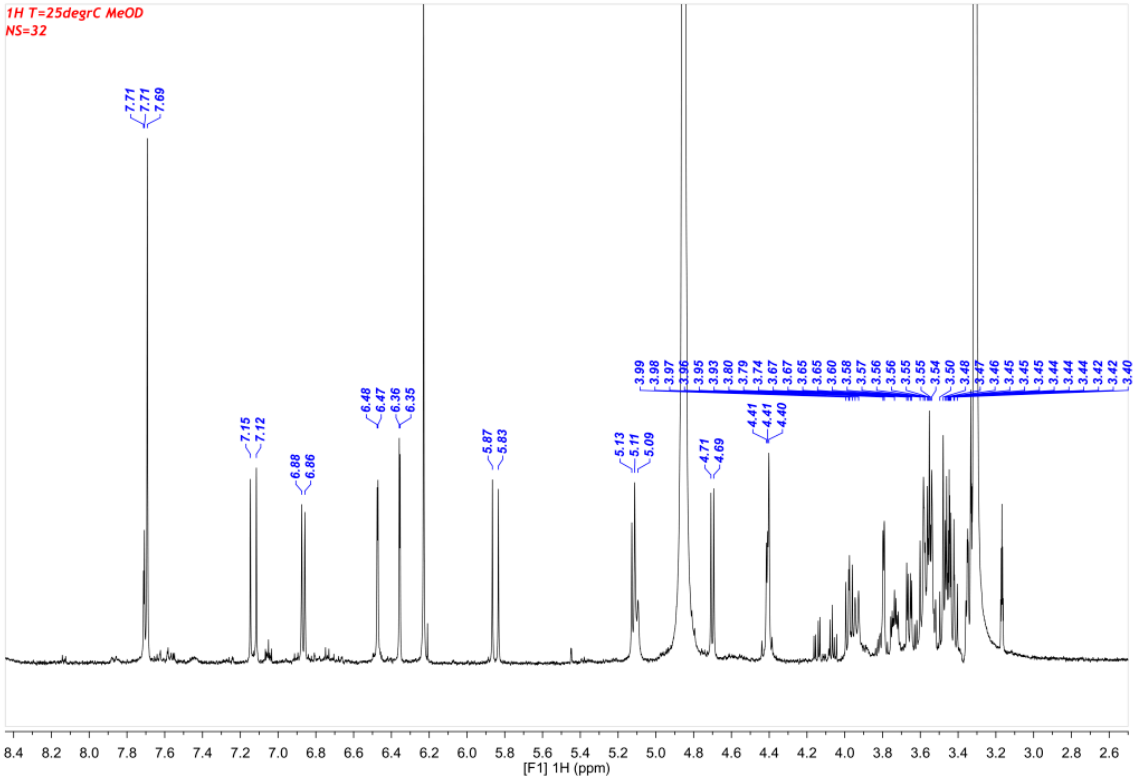


Figure S35. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **4** (methanol-d_4, 125.77 MHz).

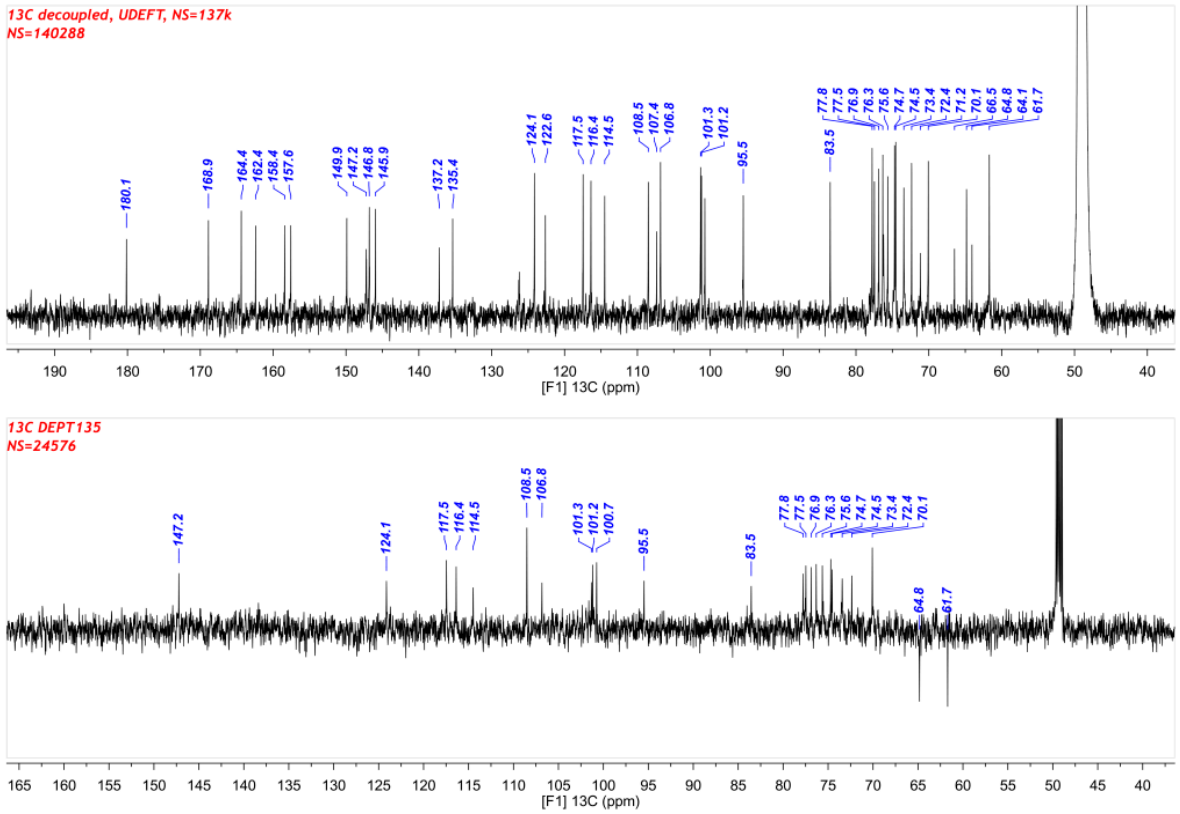


Figure S36. 2D *g*-COSY NMR spectrum of compound **4** (methanol-d_4, 500.18 MHz).

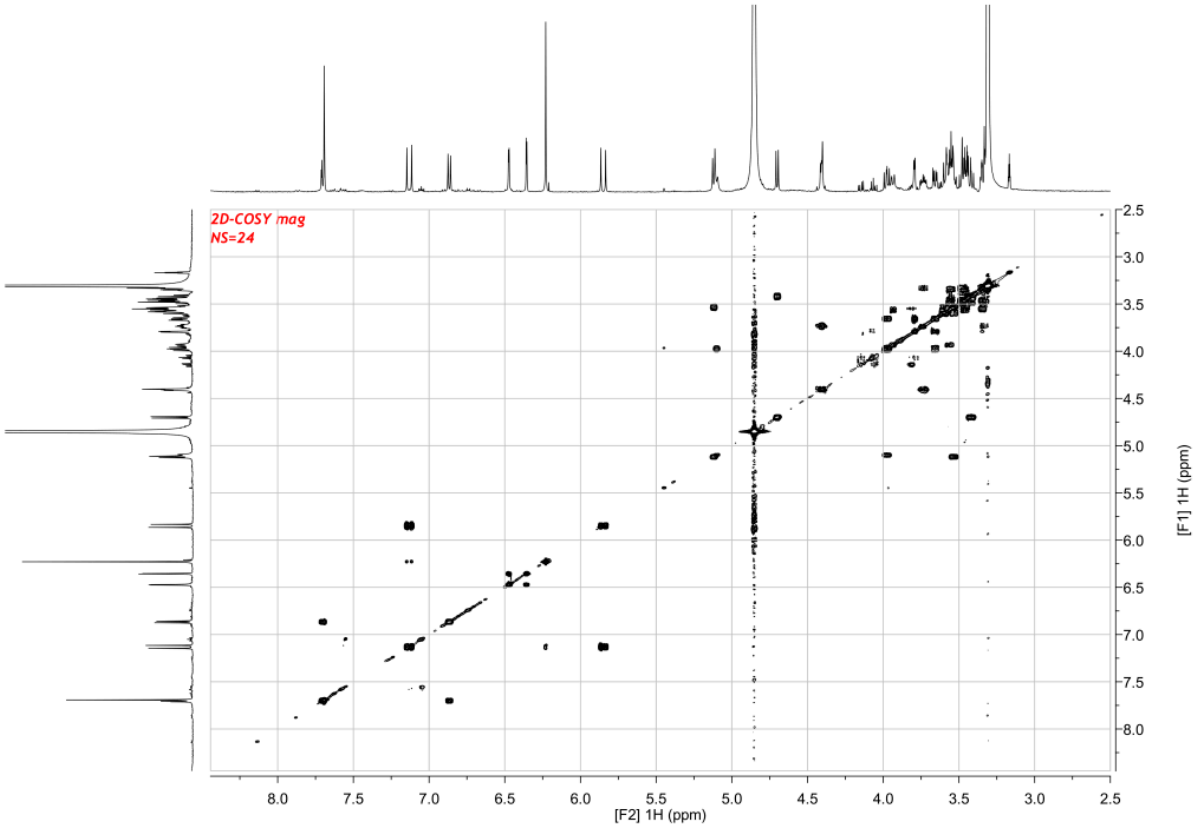


Figure S37. 2D TOCSY NMR spectrum of compound **4** (methanol-d_4, 500.18 MHz).

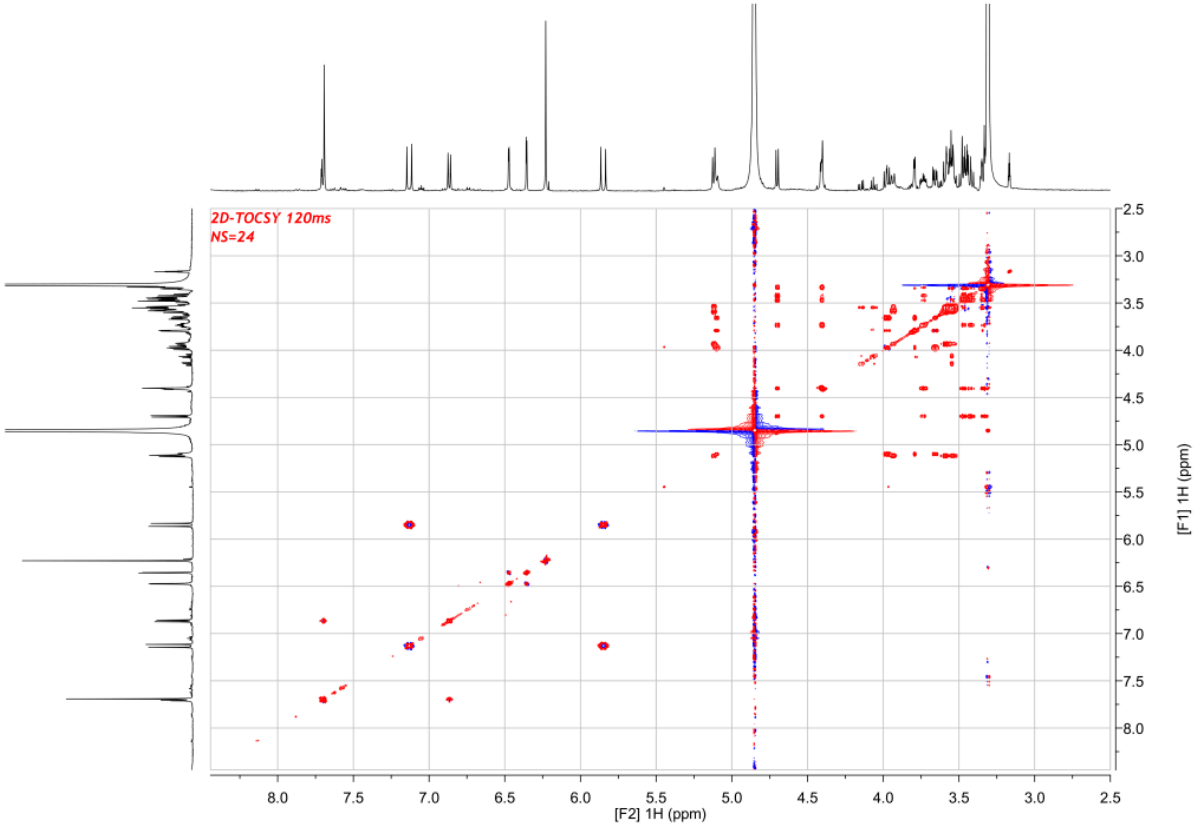


Figure S38. 2D ROESY NMR spectrum of compound **4** (methanol-d_4, 500.18 MHz).

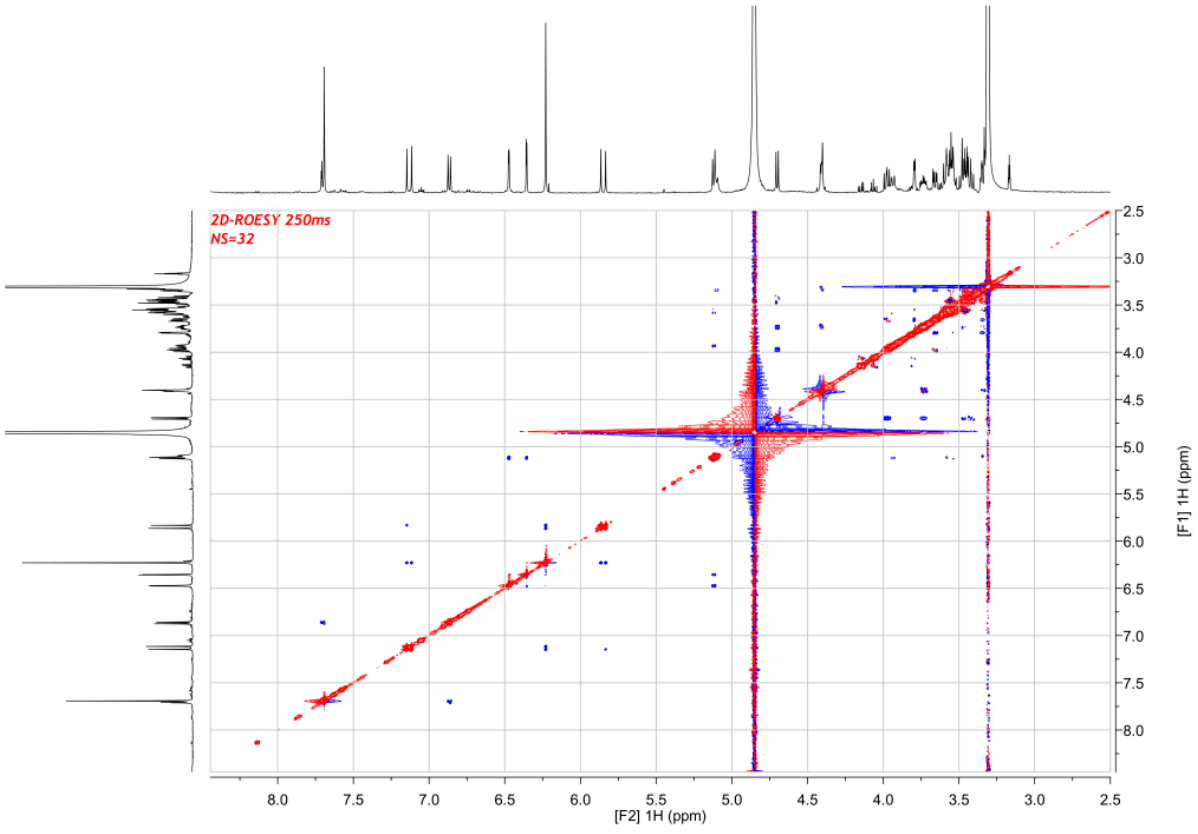


Figure S39. 2D *g*-HSQC-NMR spectrum of compound **4** (methanol-d_4, 500.18 MHz, 125.77 MHz).

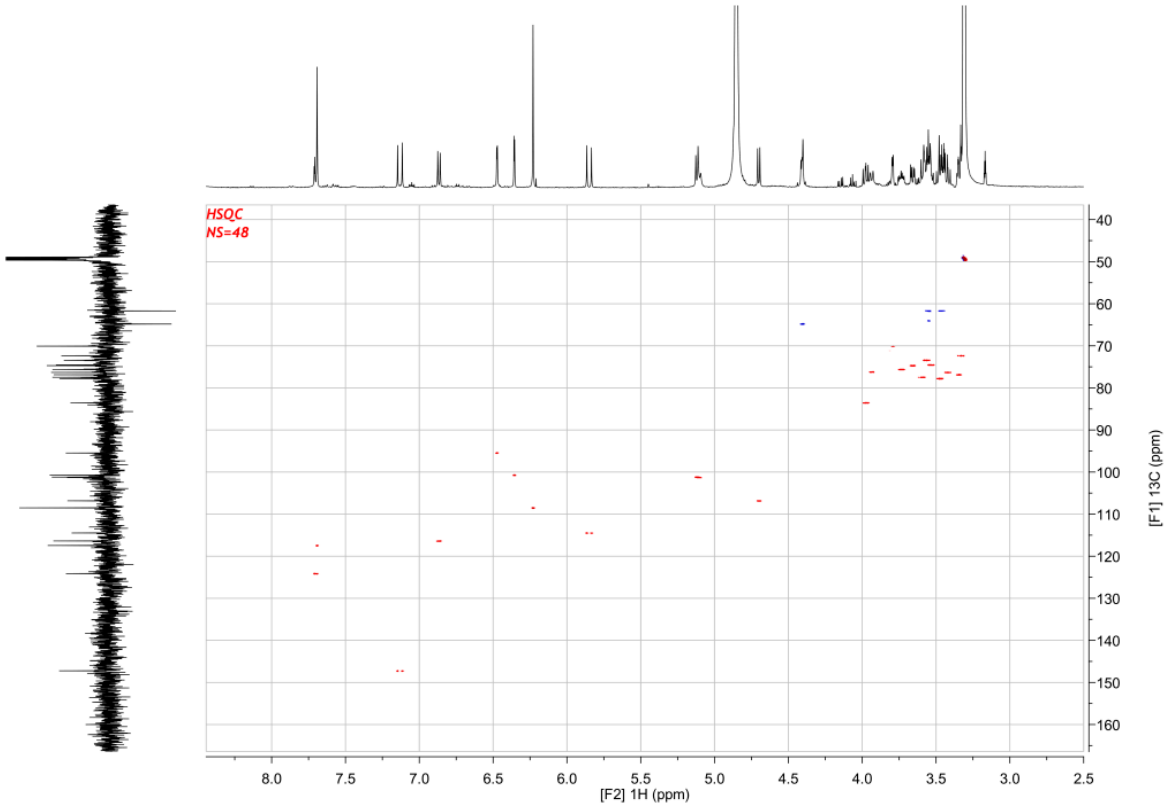


Figure S40. 2D *g*-HSQC-TOCSY NMR spectrum of compound **4** (methanol-d_4, 500.18 MHz, 125.77 MHz).

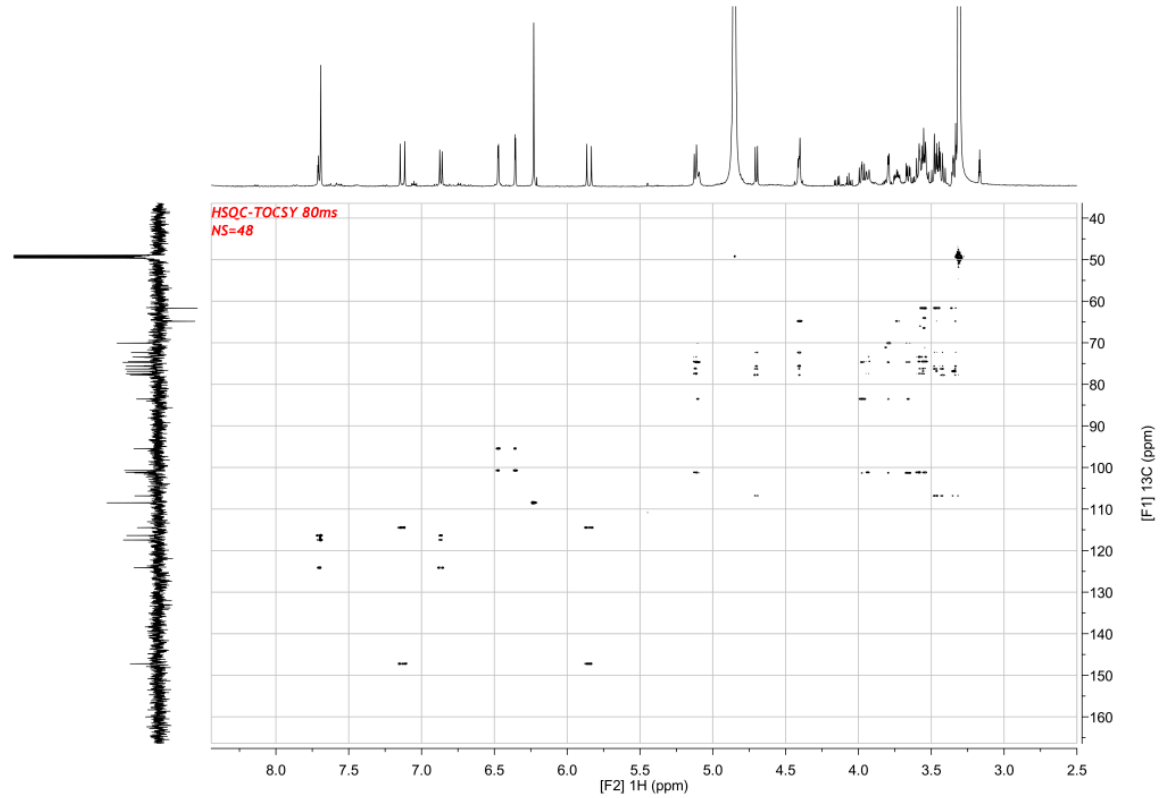


Figure S41. 2D *g*-HMBC-NMR spectrum of compound **4** (methanol-d_4, 500.18 MHz, 125.77 MHz).

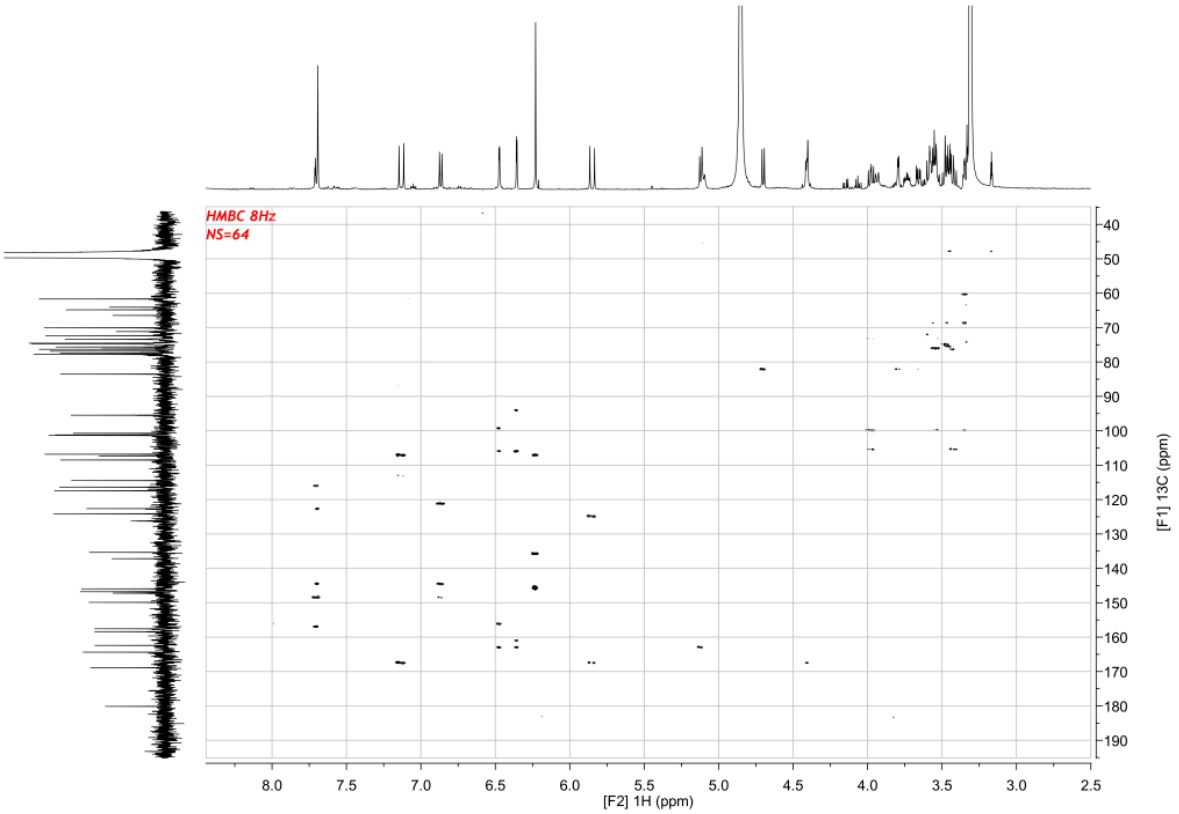


Figure S42. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ and H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **4** (methanol-d_4, 500.18 MHz).

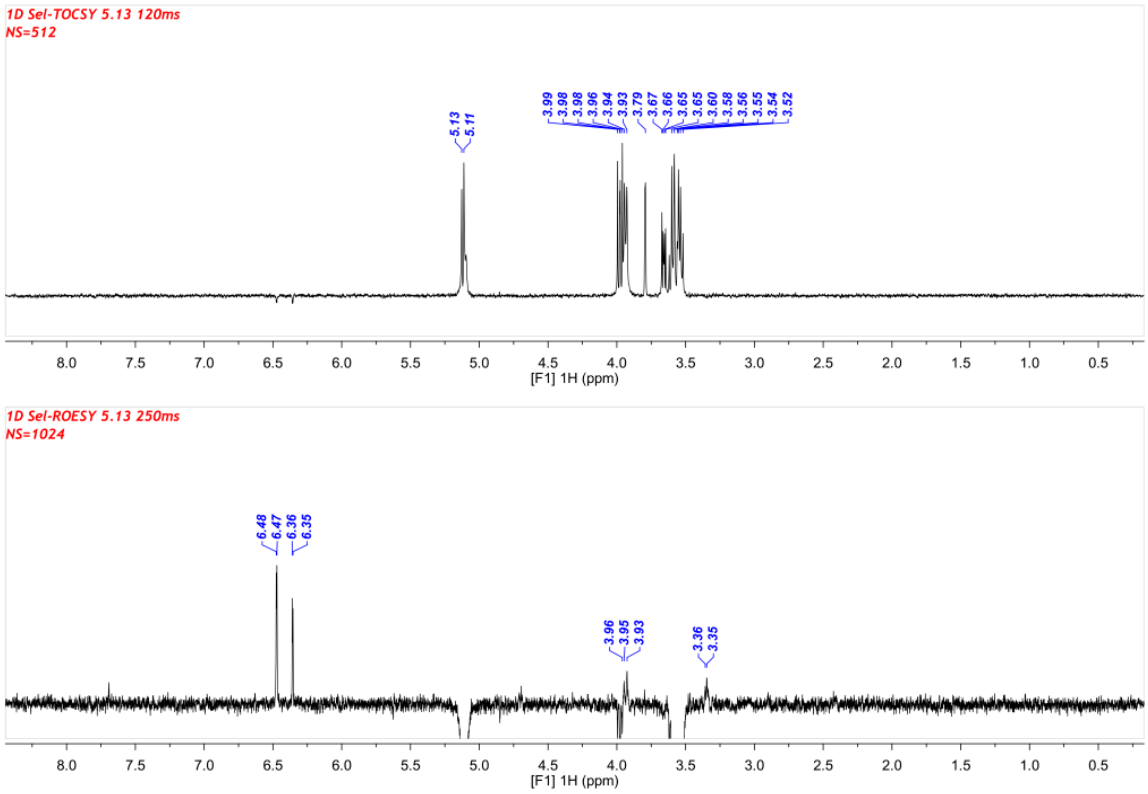
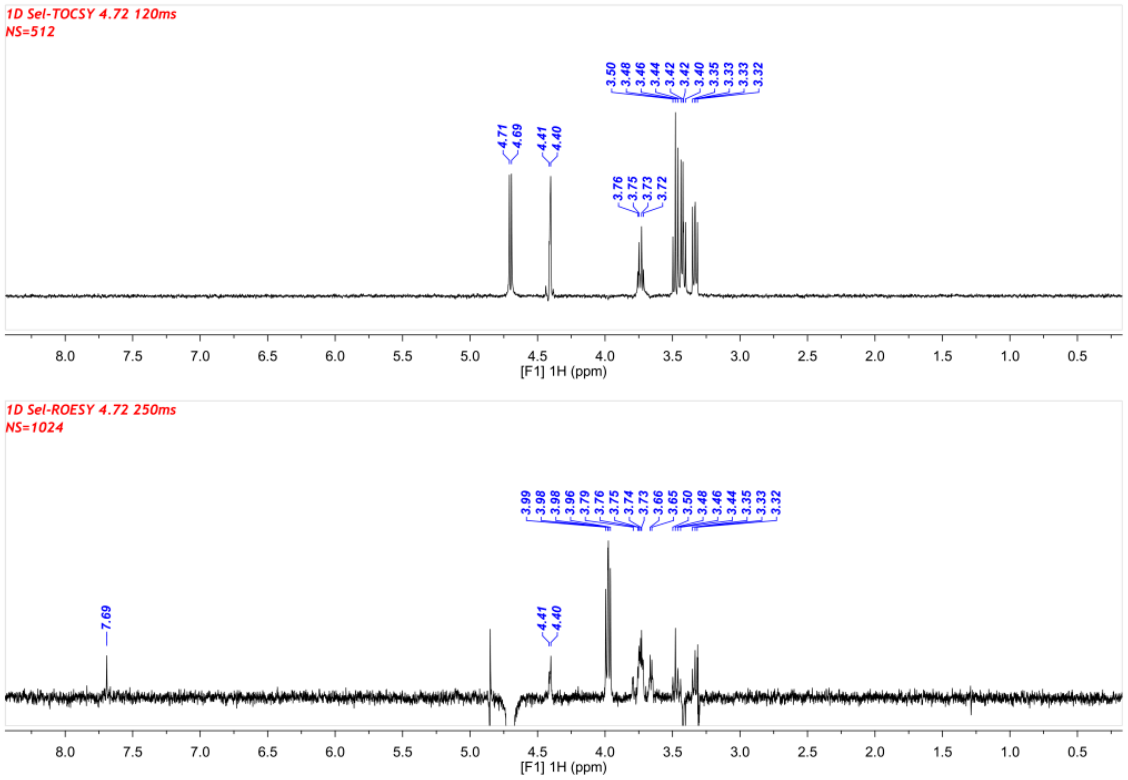


Figure S43. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **4** (methanol-d_4, 500.18 MHz).



Compound 5

Figure S44. 1D ^{1}H-NMR spectrum of compound **5** (methanol-d_4, 500.18 MHz).

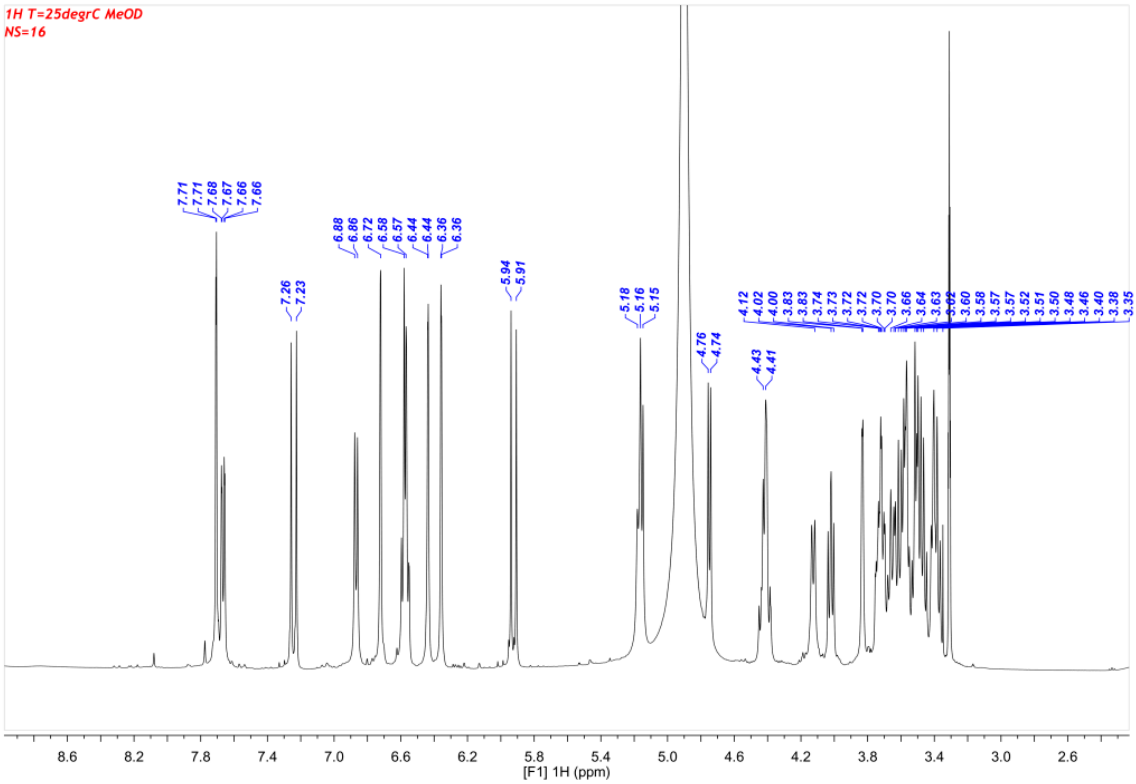


Figure S45. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **5** (methanol-d_4, 125.77 MHz).

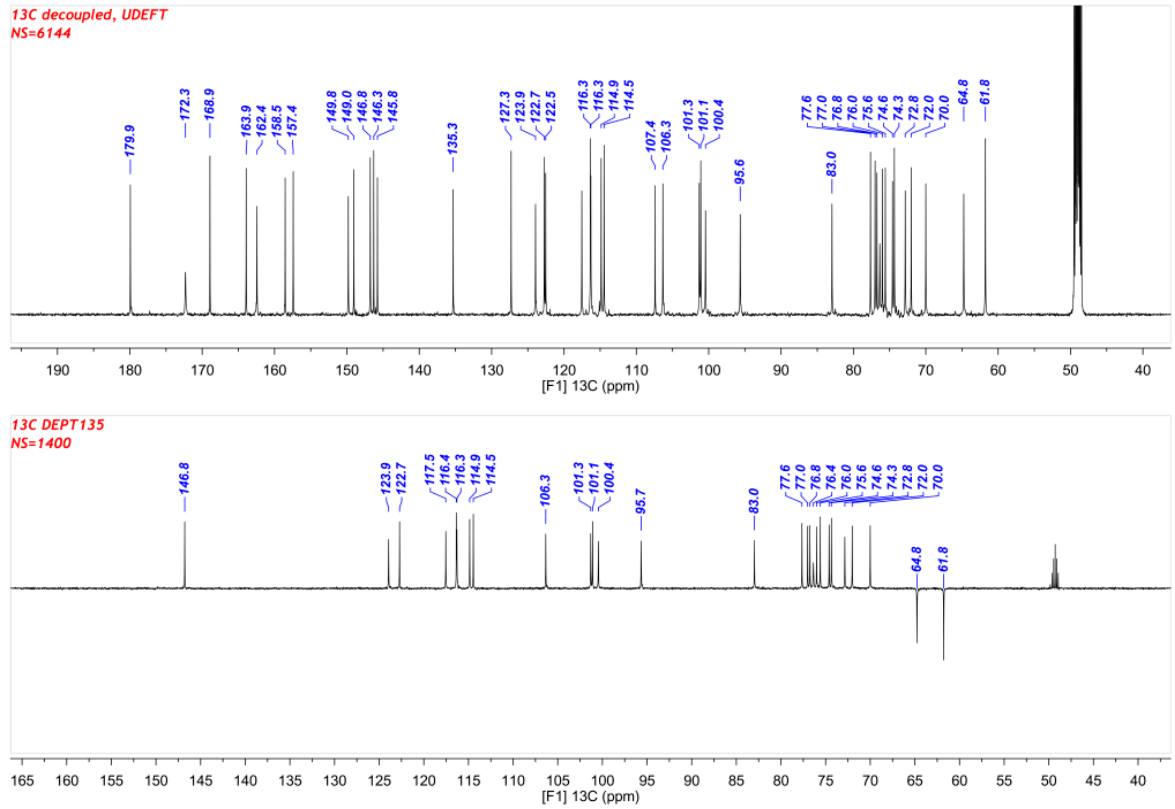


Figure S46. 2D *g*-COSY NMR spectrum of compound **5** (methanol-d_4, 500.18 MHz).

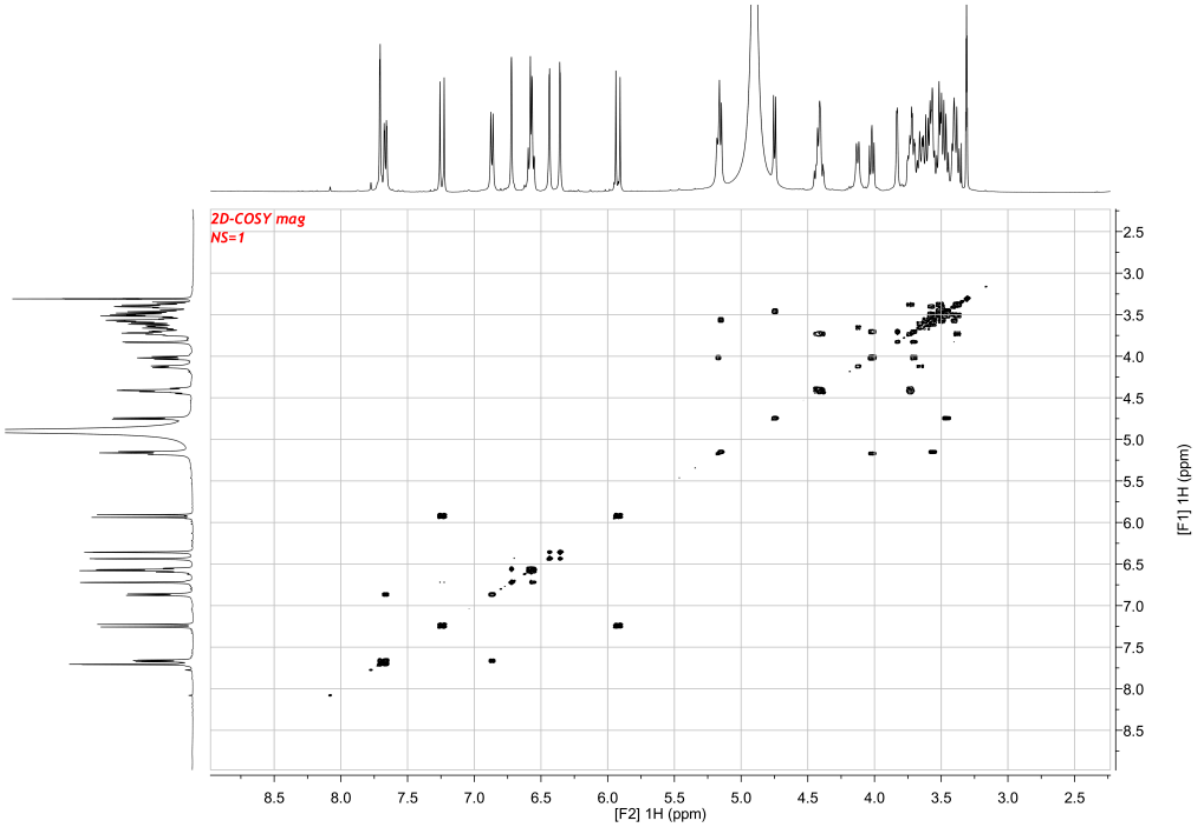


Figure S47. 2D TOCSY NMR spectrum of compound **5** (methanol-d_4, 500.18 MHz).

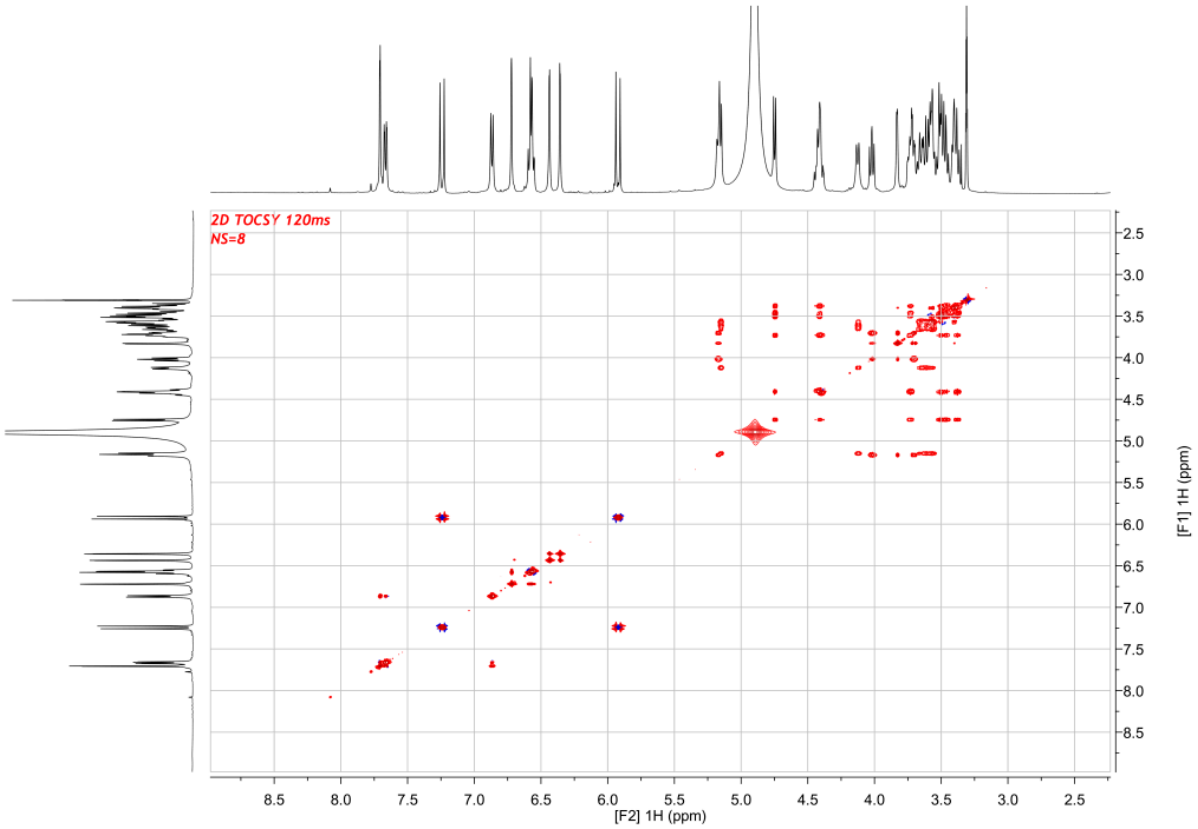


Figure S48. 2D ROESY NMR spectrum of compound **5** (methanol-d_4, 500.18 MHz).

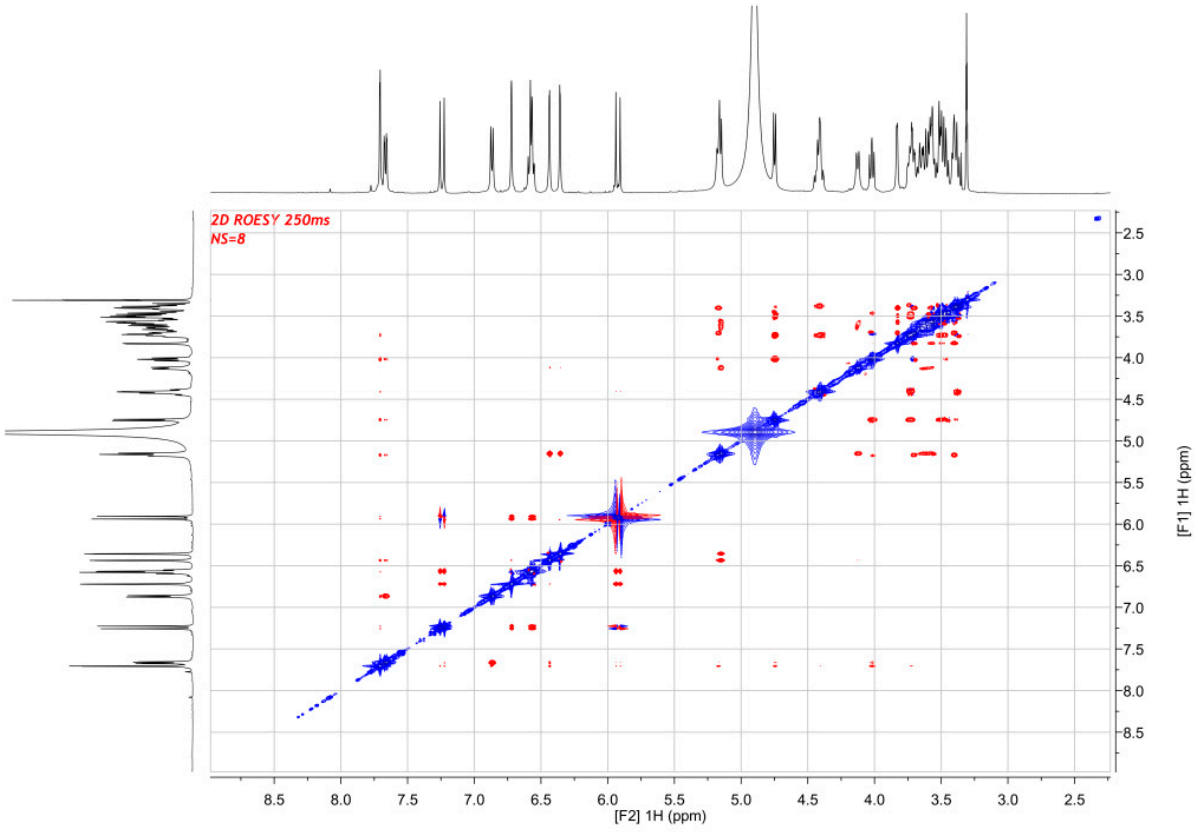


Figure S49. 2D *g*-HSQC-NMR spectrum of compound **5** (methanol-d_4, 500.18 MHz, 125.77 MHz).

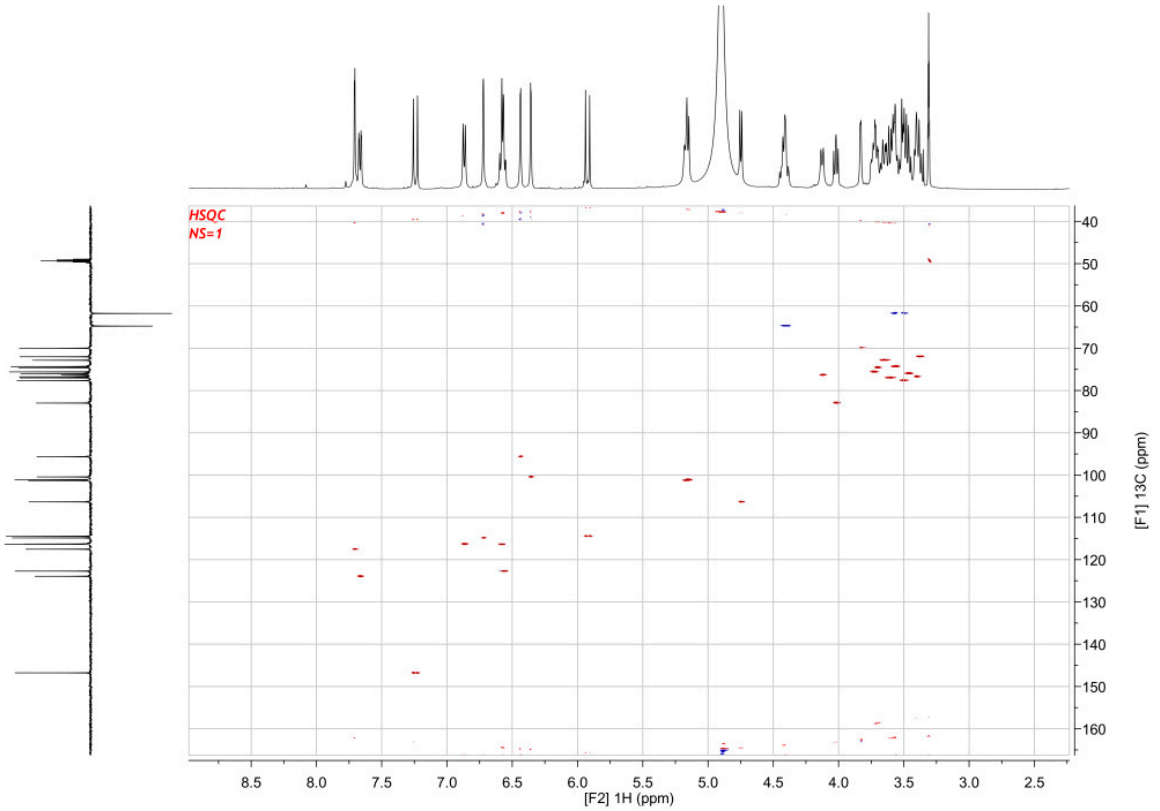


Figure S50. 2D *g*-HSQC-TOCSY NMR spectrum of compound **5** (methanol-d_4, 500.18 MHz, 125.77 MHz).

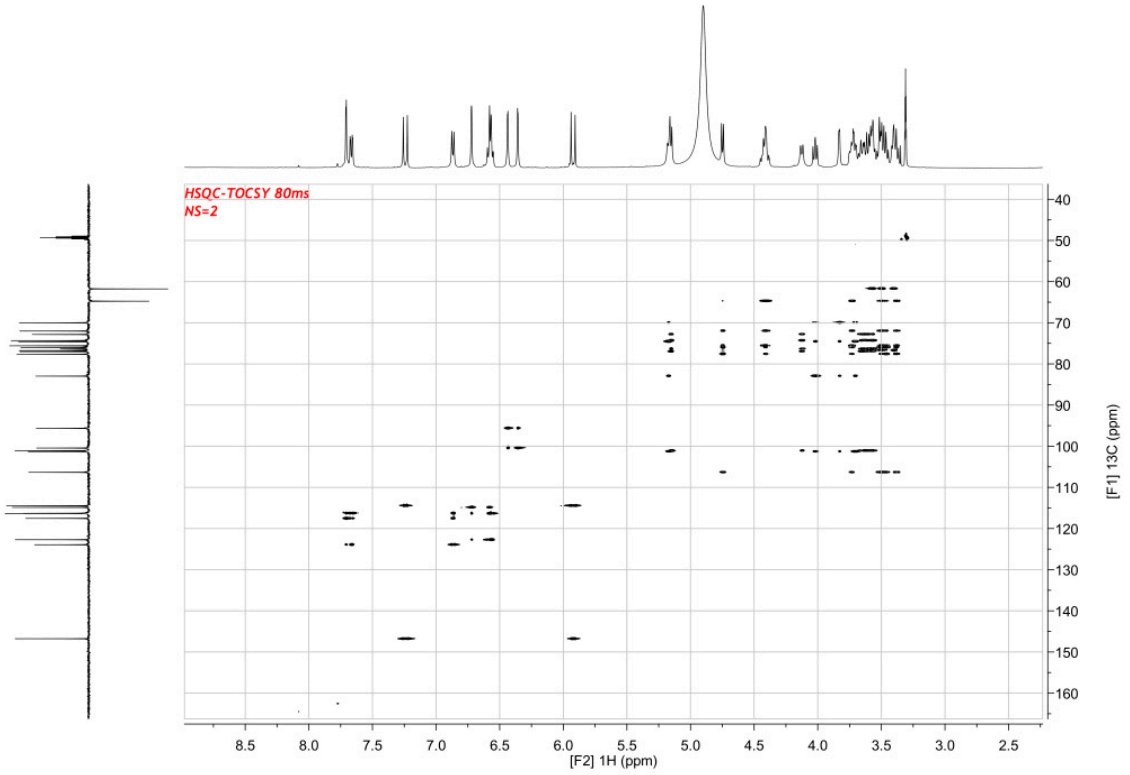


Figure S51. 2D *g*-HMBC-NMR spectrum of compound **5** (methanol-d_4, 500.18 MHz, 125.77 MHz).

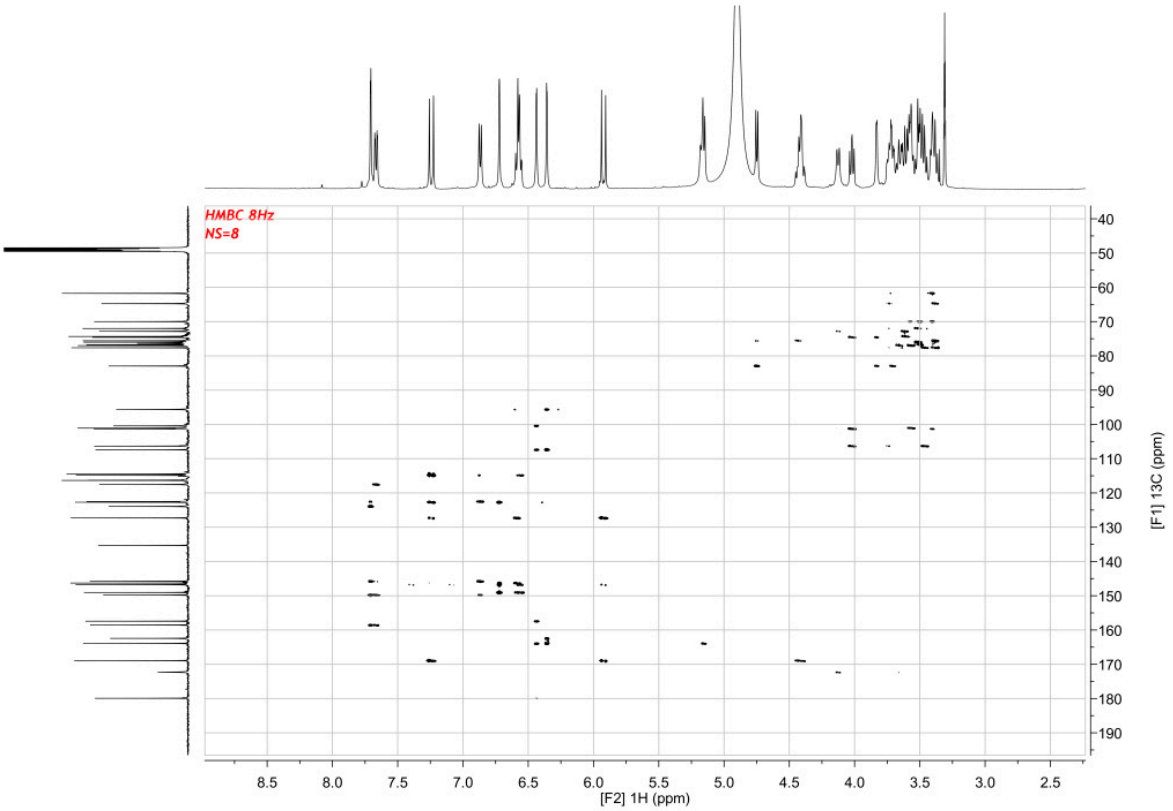


Figure S52. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ and H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **5** (methanol-d_4, 500.18 MHz).

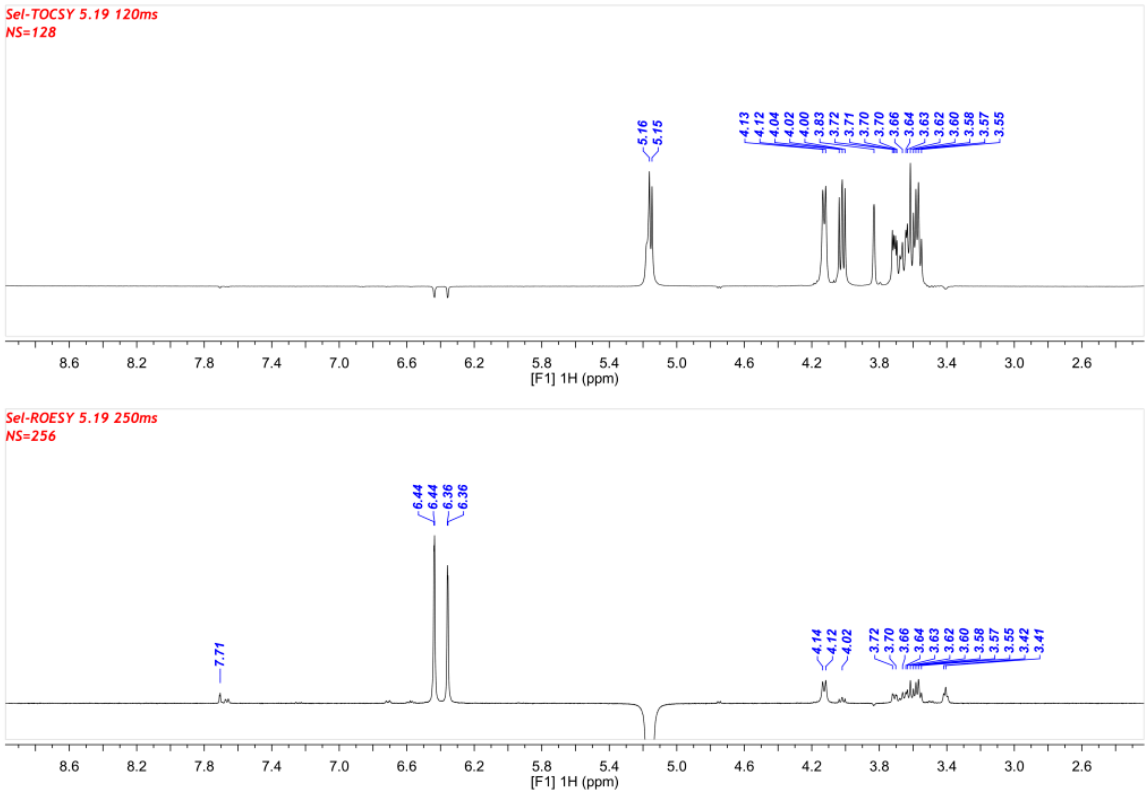
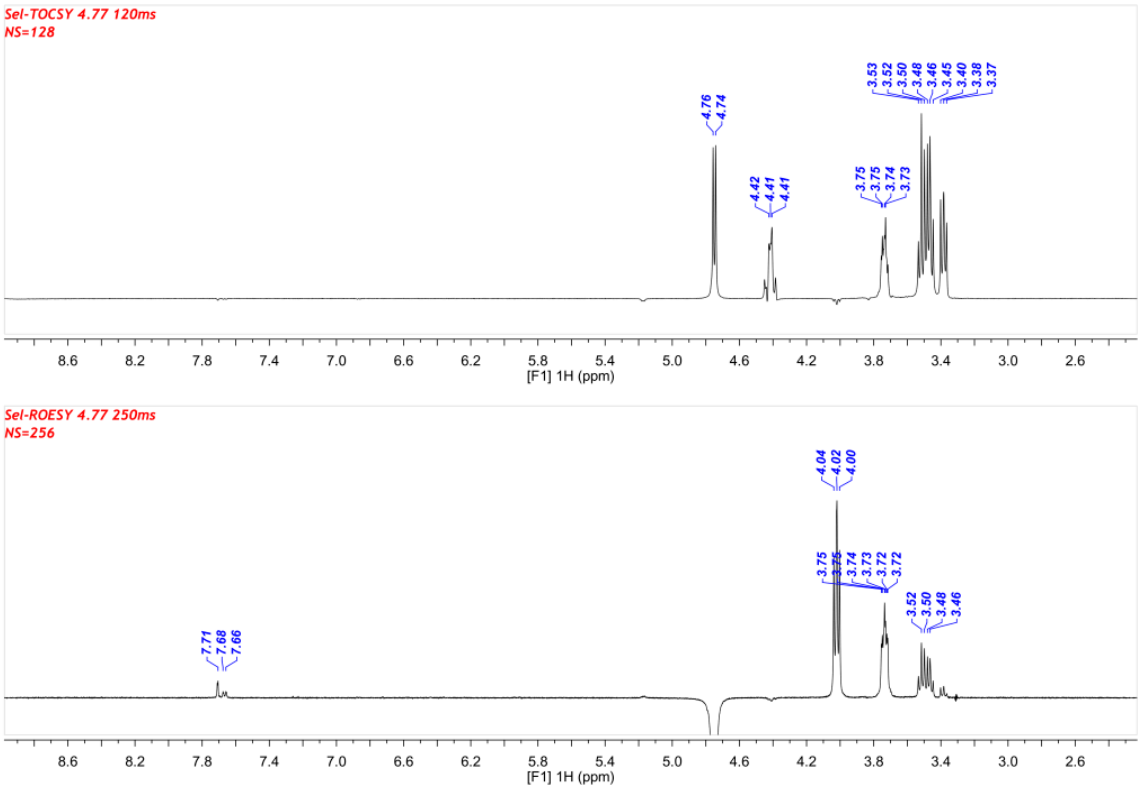


Figure S53. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-}Glc)}$ in compound **5** (methanol-d_4, 500.18 MHz).



Compound 6

Figure S54. 1D ^{1}H-NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz).

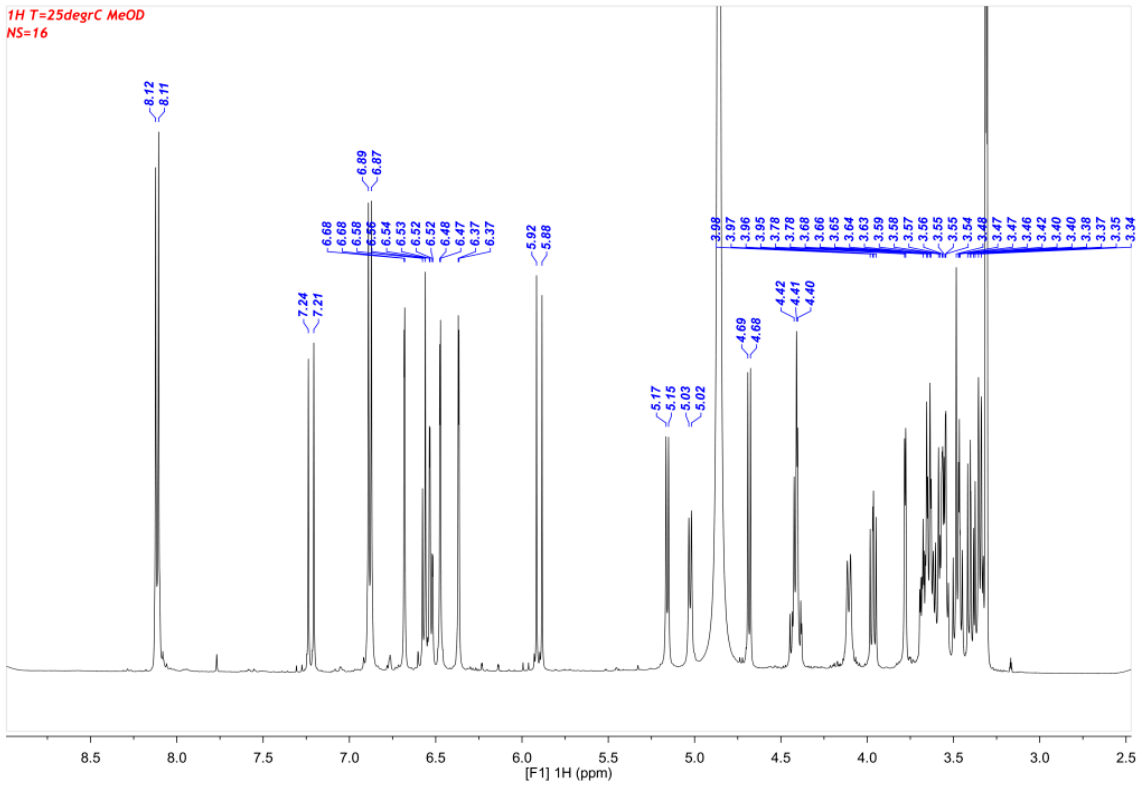


Figure S55. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **6** (methanol-d_4, 125.77 MHz).

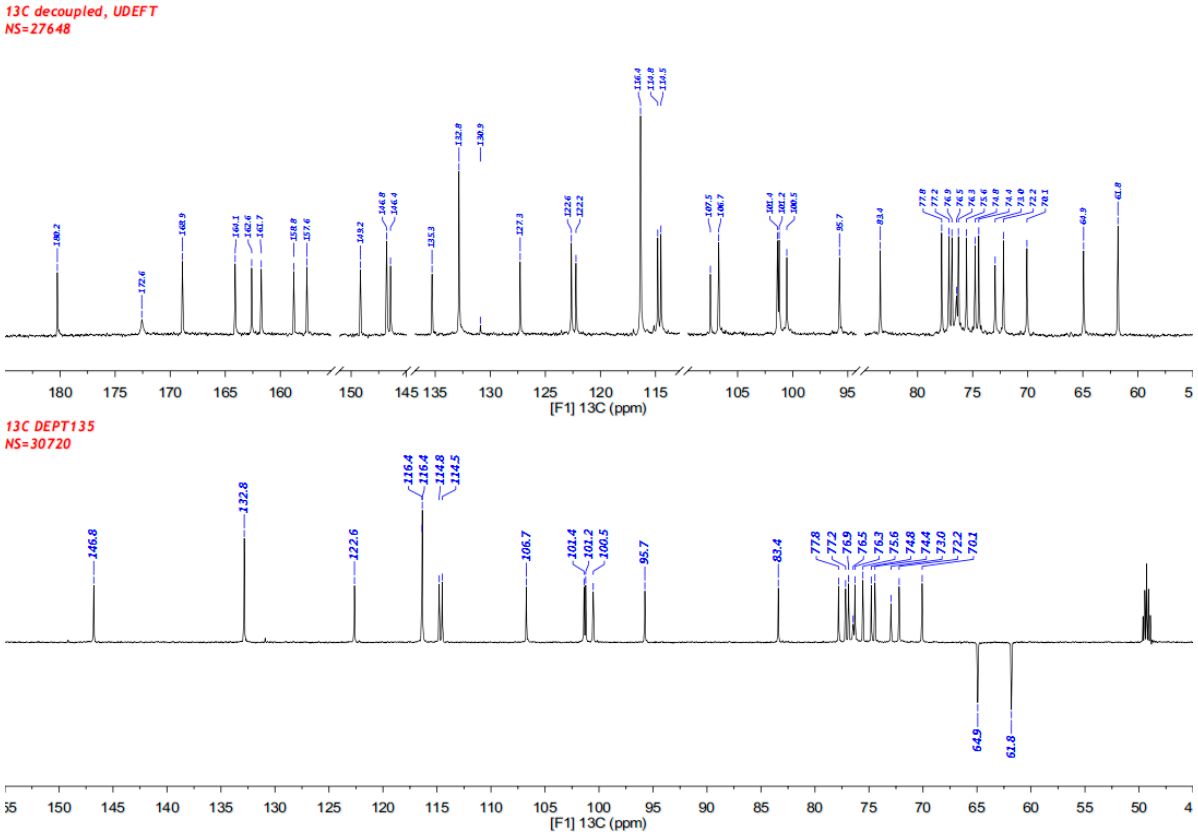


Figure S56. 2D *g*-COSY NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz).

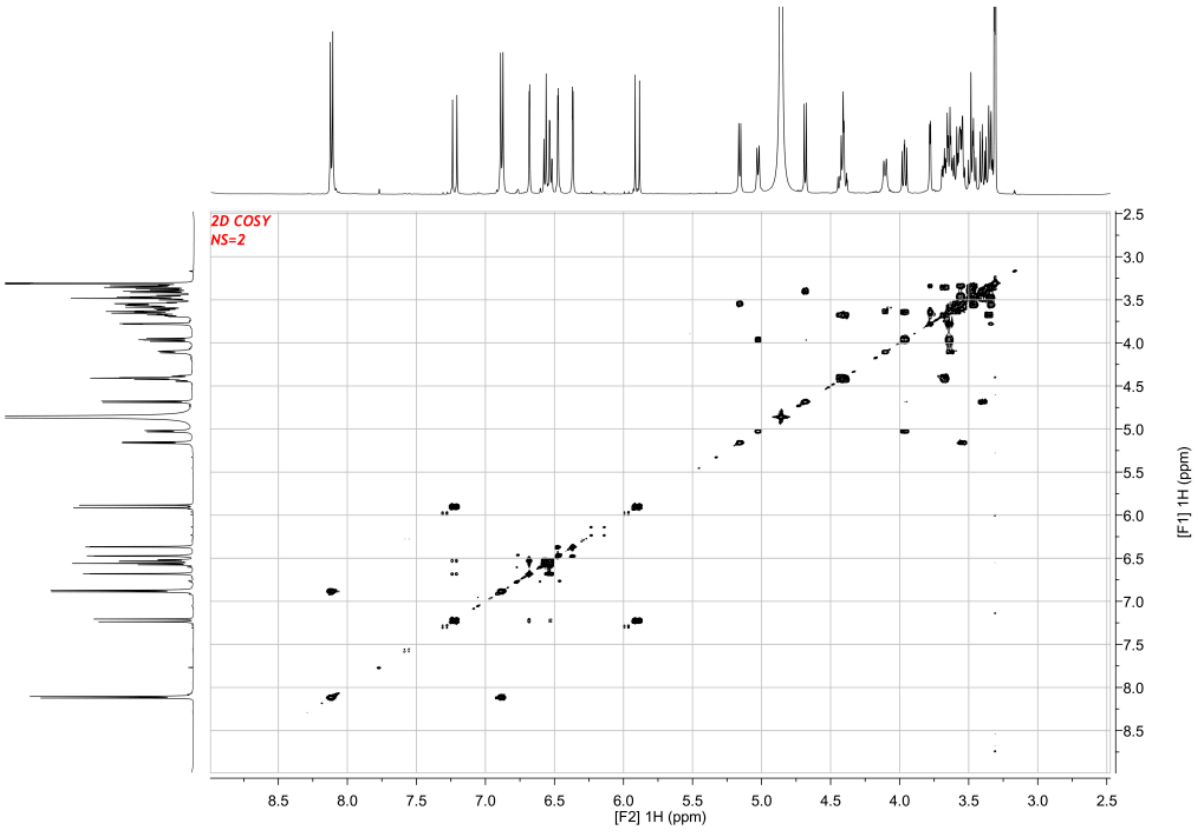


Figure S57. 2D TOCSY NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz).

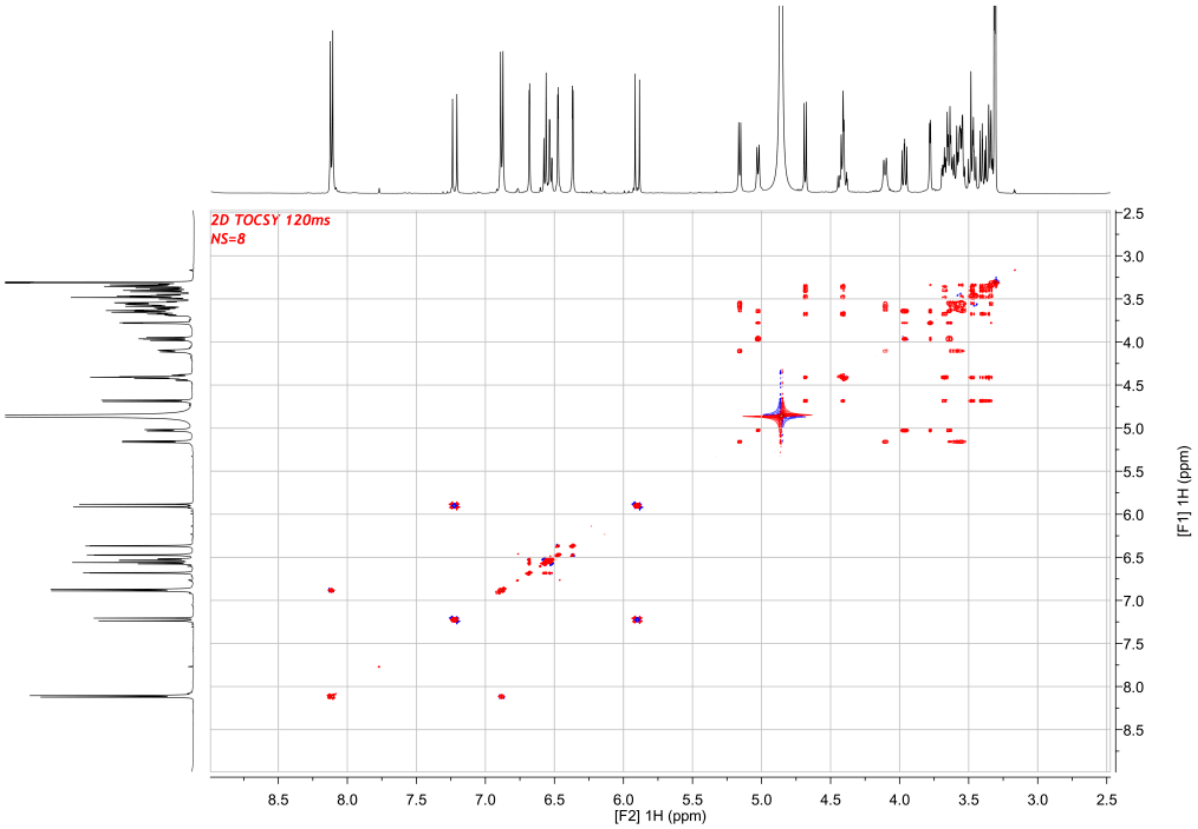


Figure S58. 2D ROESY NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz).

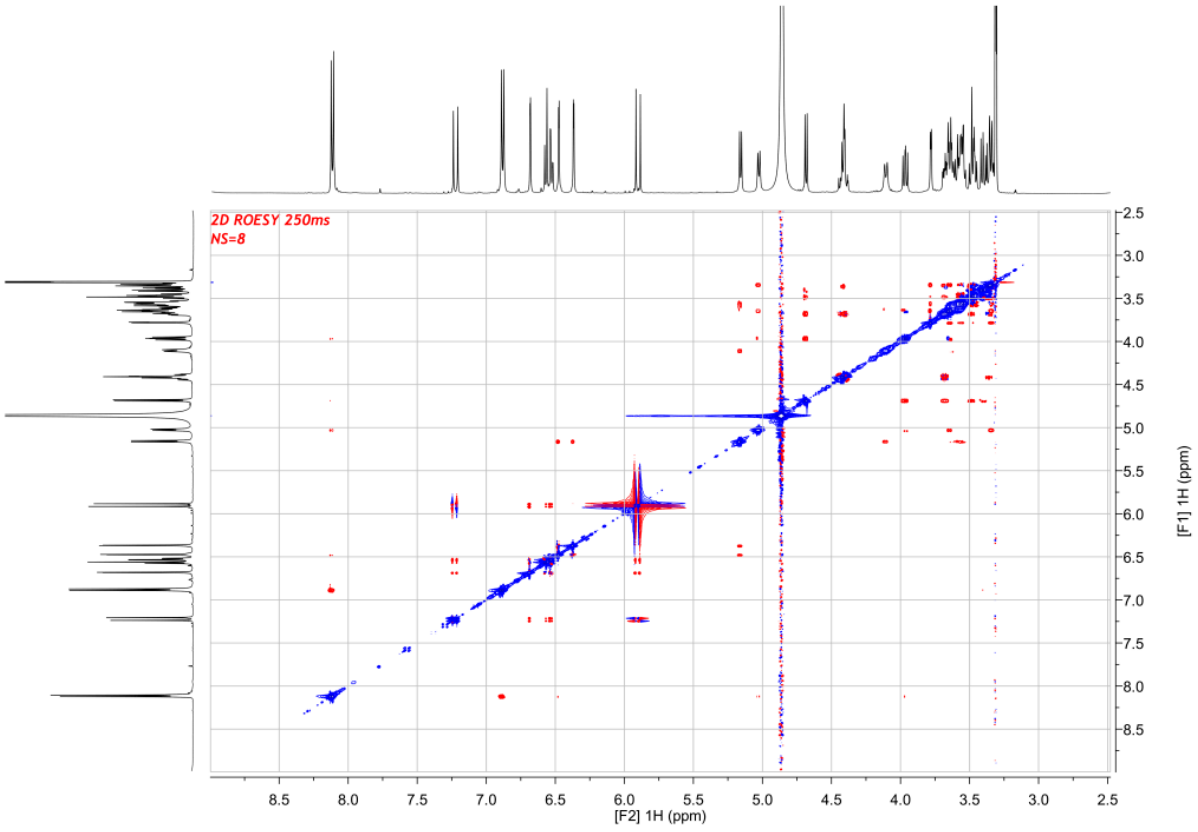


Figure S59. 2D *g*-HSQC-NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz, 125.77 MHz).

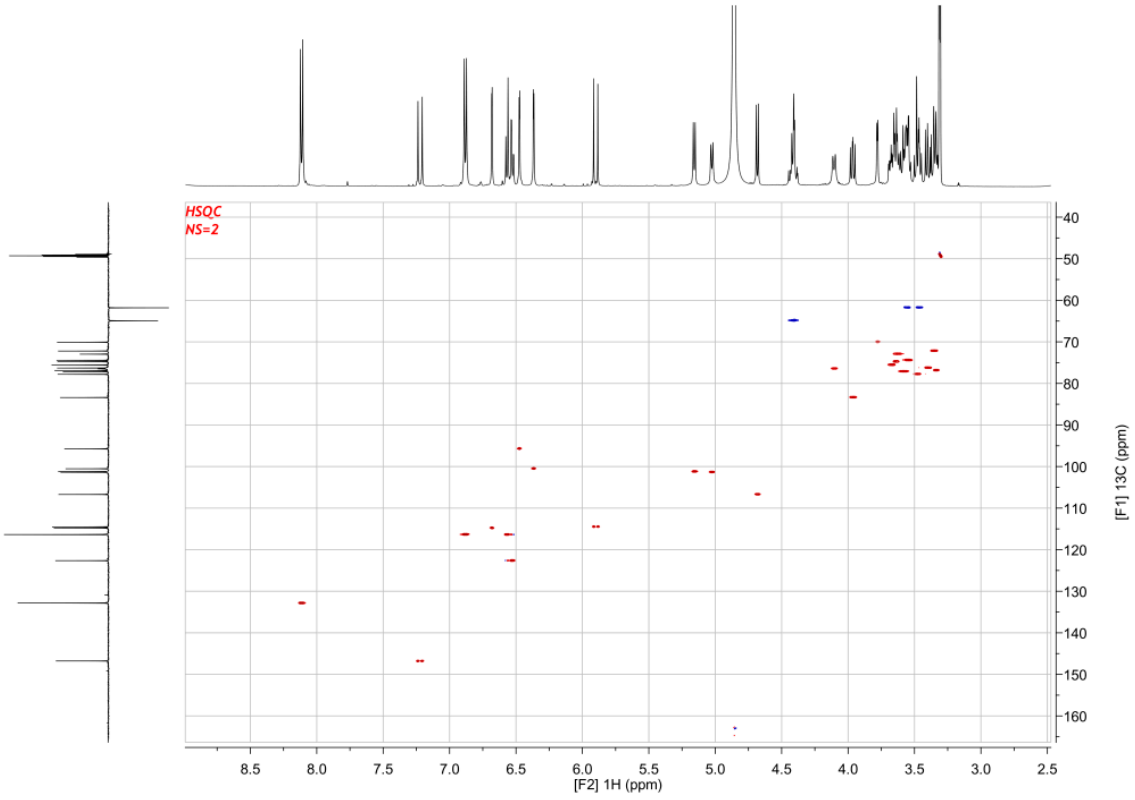


Figure S60. 2D *g*-HSQC-TOCSY NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz, 125.77 MHz).

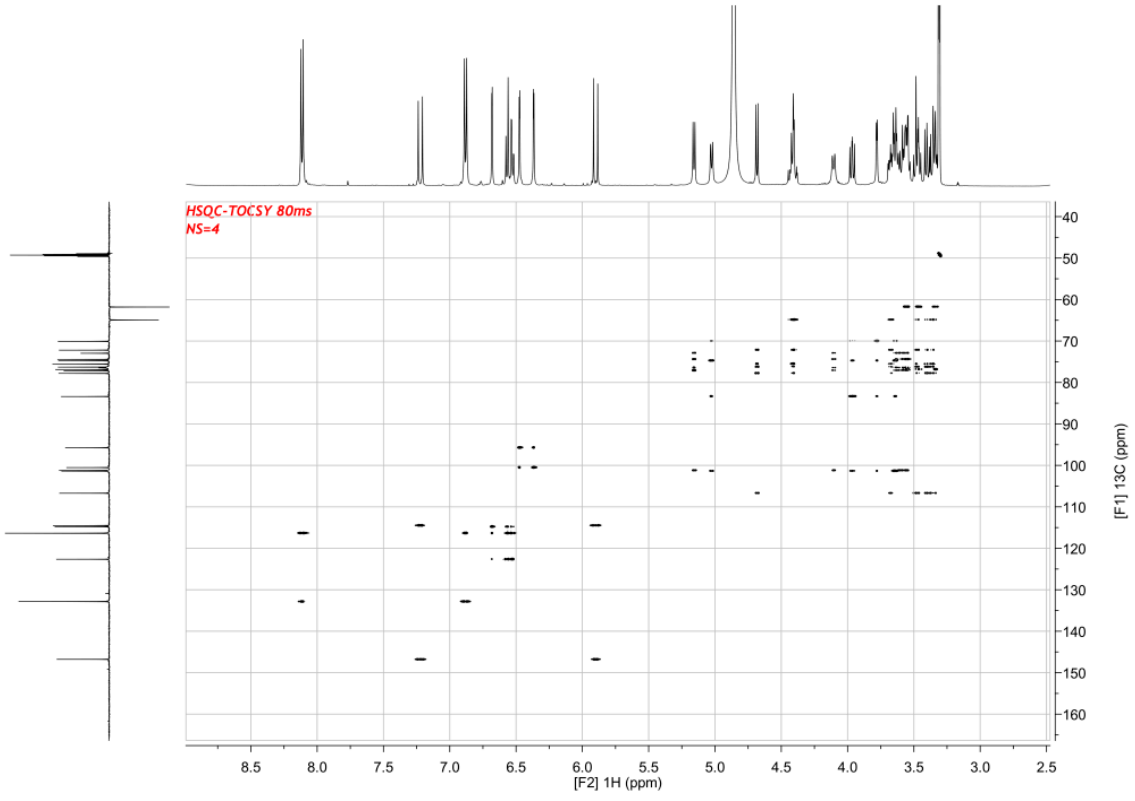


Figure S61. 2D *g*-HMBC-NMR spectrum of compound **6** (methanol-d_4, 500.18 MHz, 125.77 MHz).

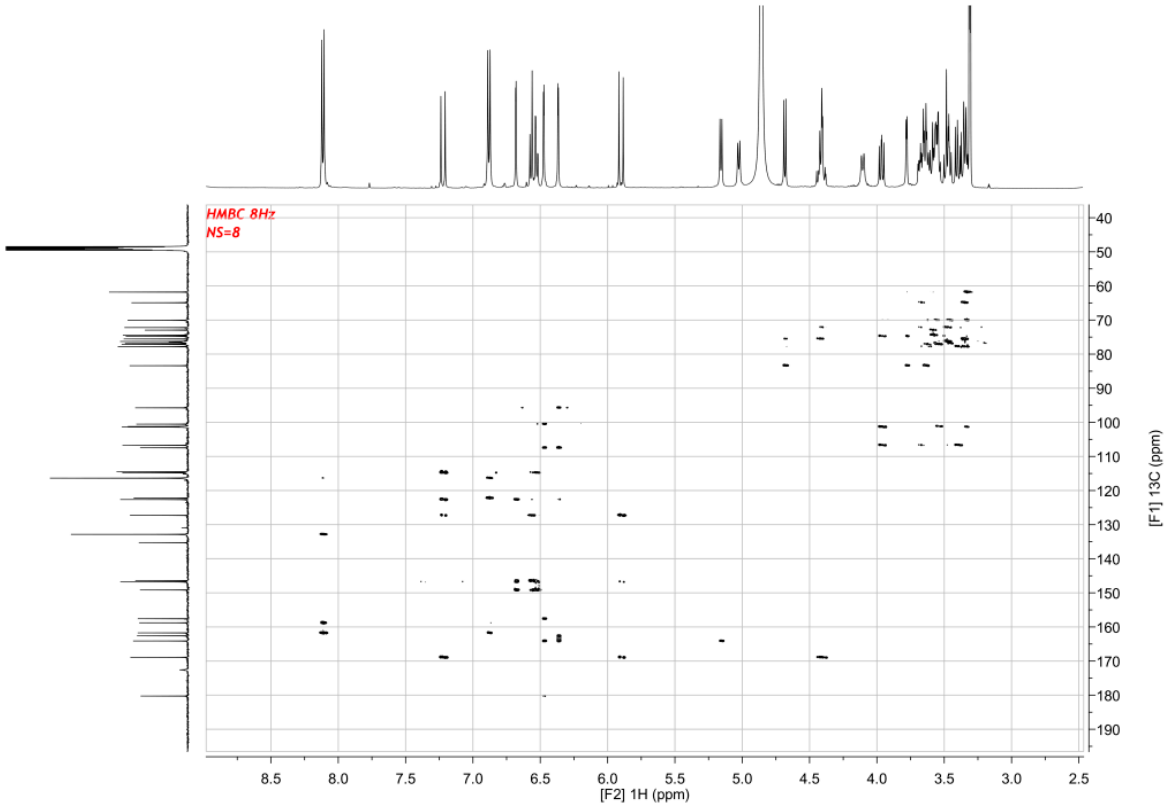


Figure S62. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **6** (methanol-d_4, 500.18 MHz).

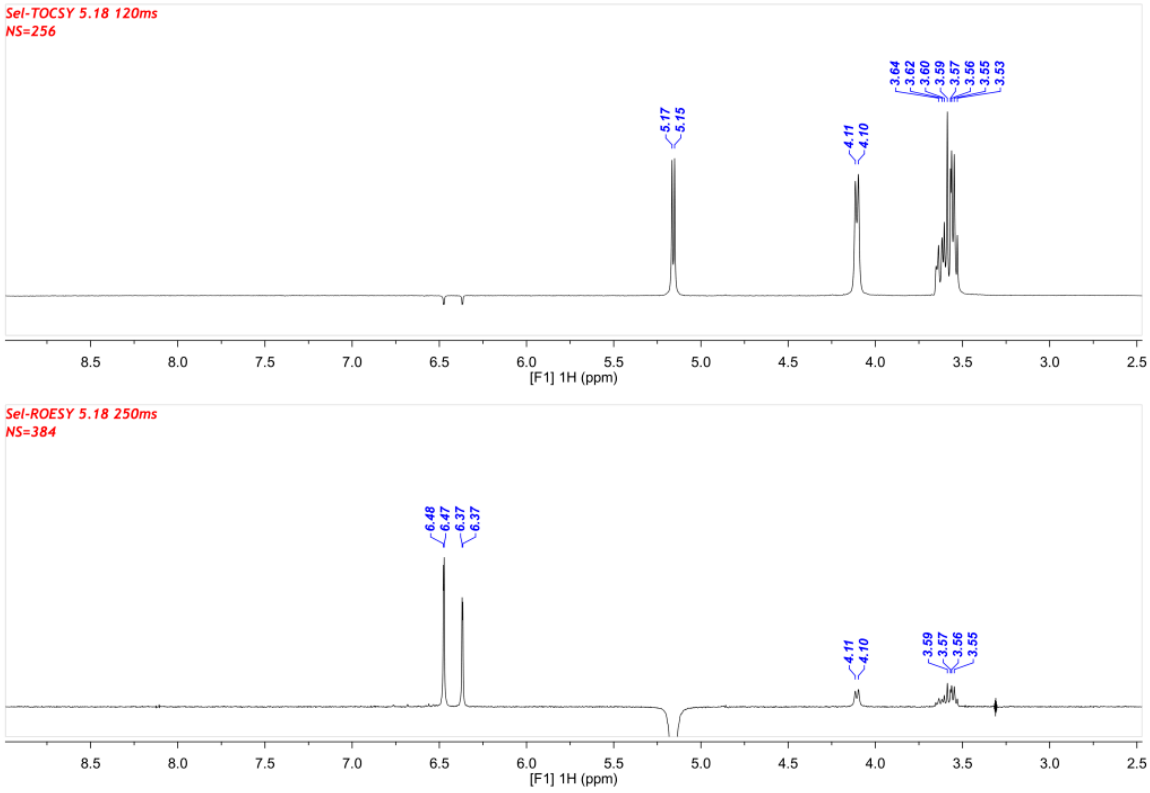


Figure S63. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **6** (methanol-d_4, 500.18 MHz).

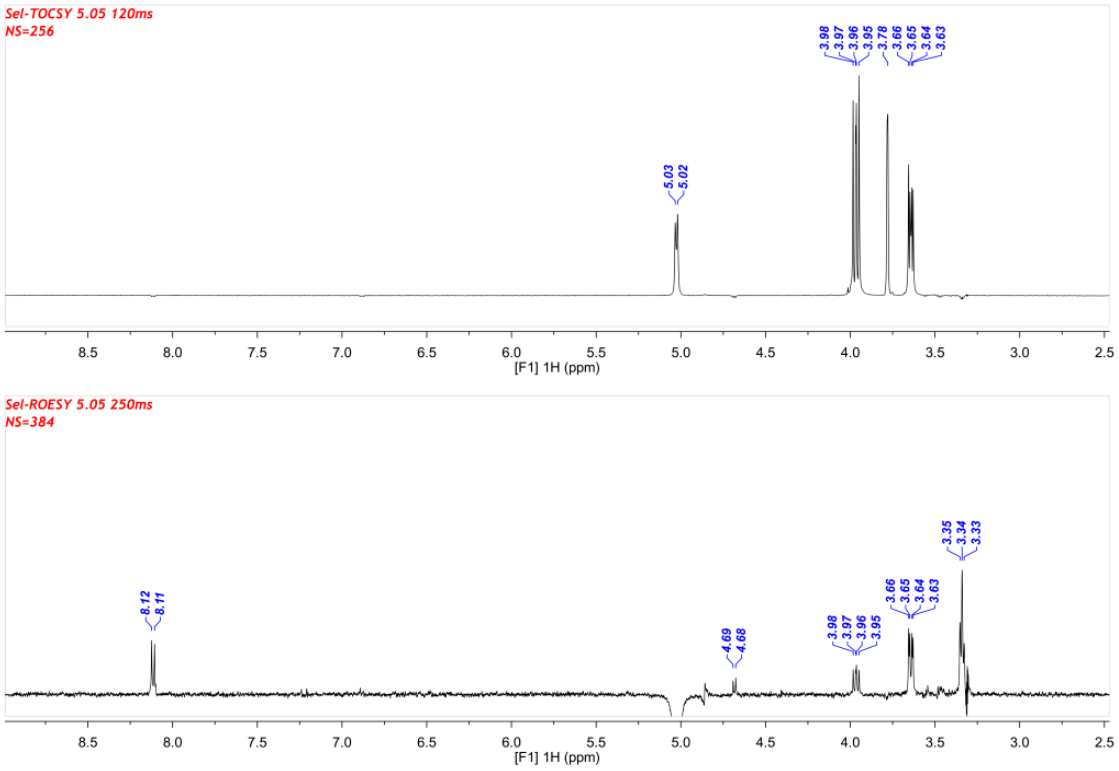
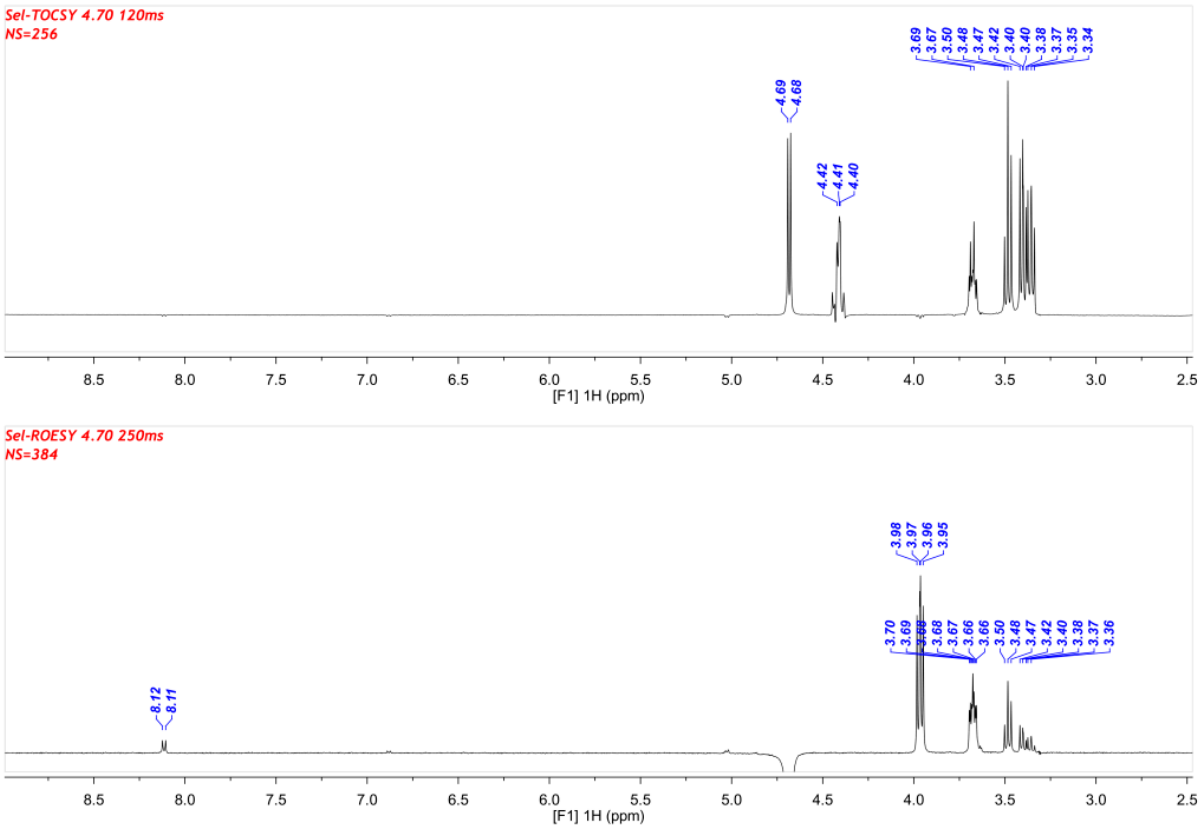


Figure S64. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **6** (methanol-d_4, 500.18 MHz).



Compound 7

Figure S65. 1D ^{1}H-NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz).

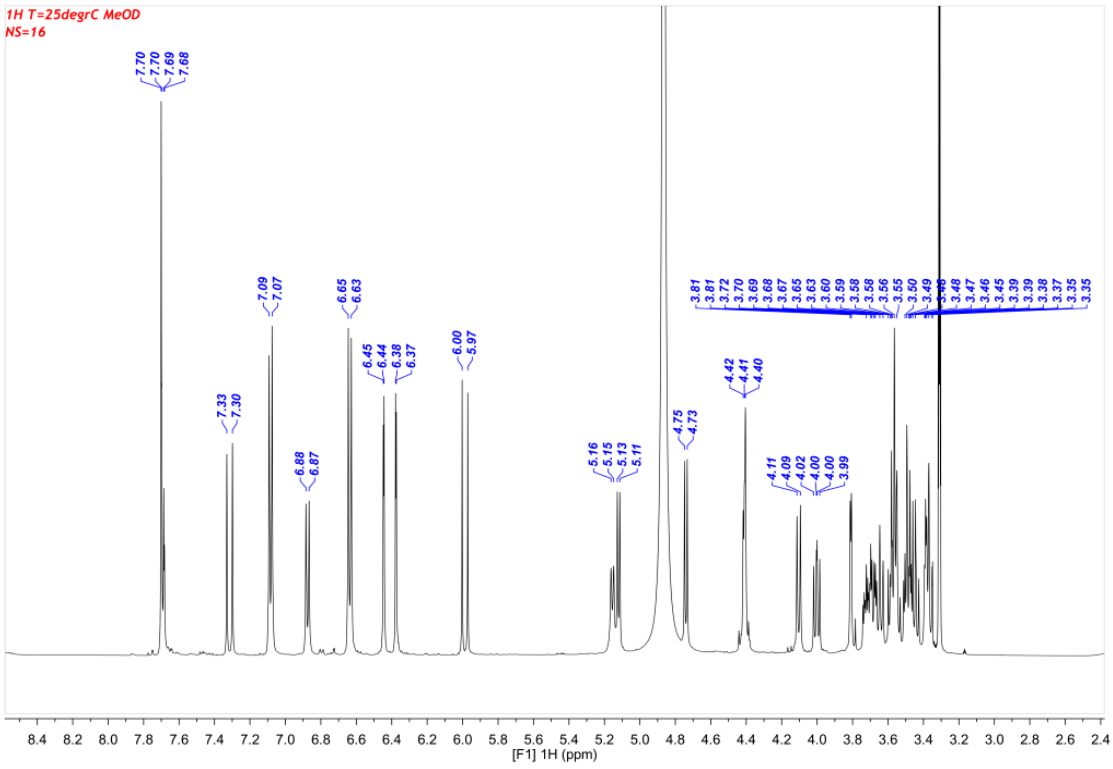


Figure S66. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **7** (methanol-d_4, 125.77 MHz).

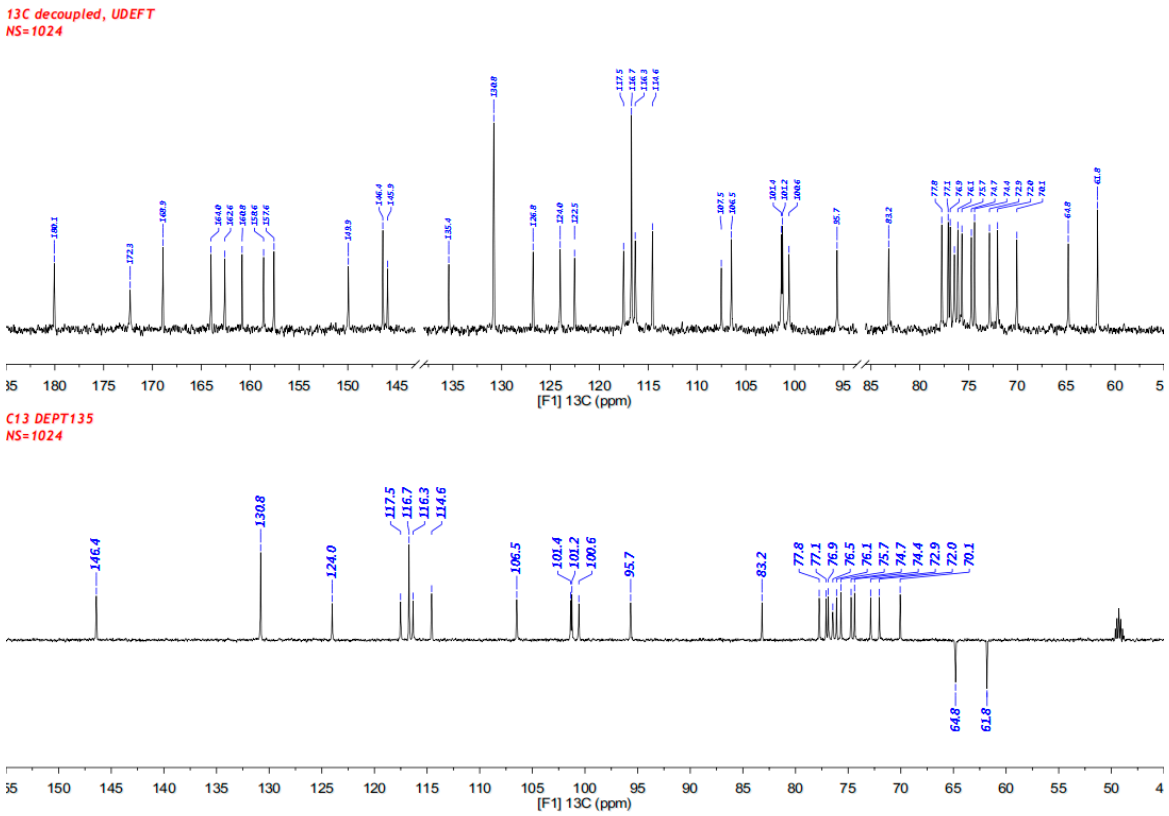


Figure S67. 2D *g*-COSY NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz).

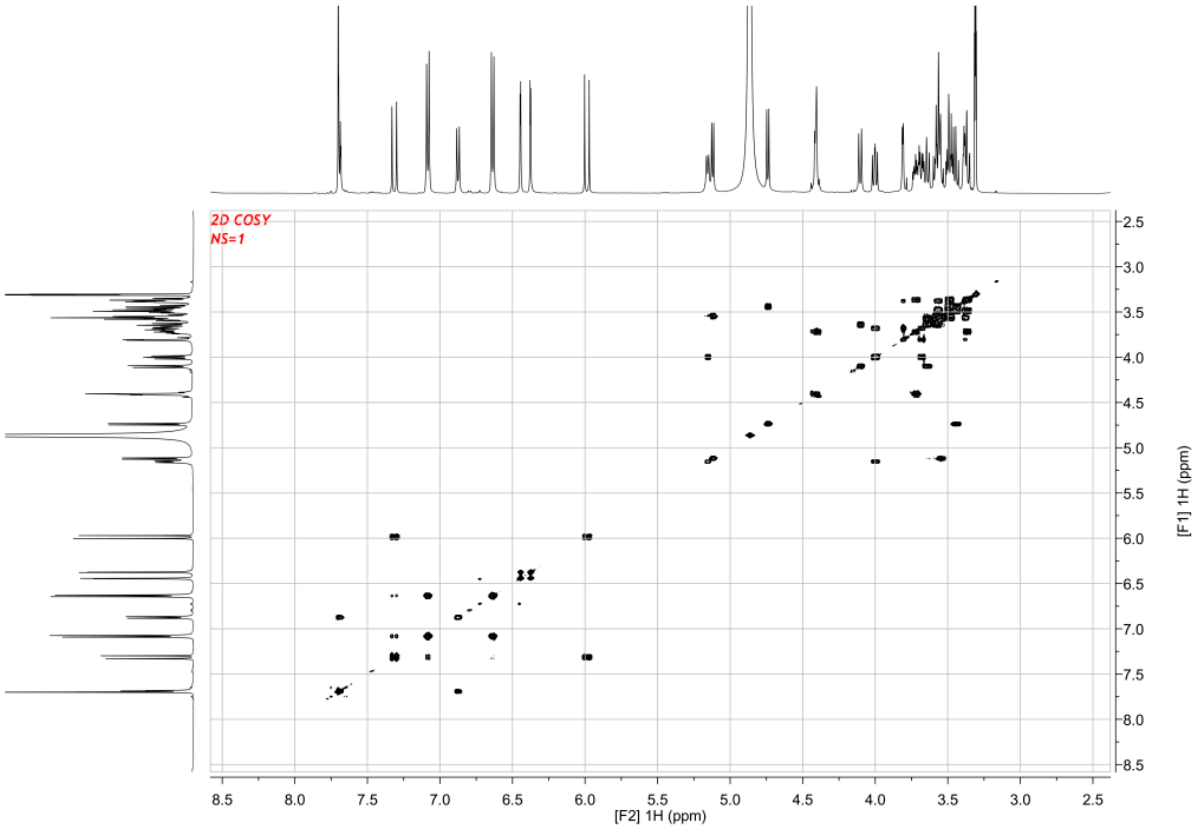


Figure S68. 2D TOCSY NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz).

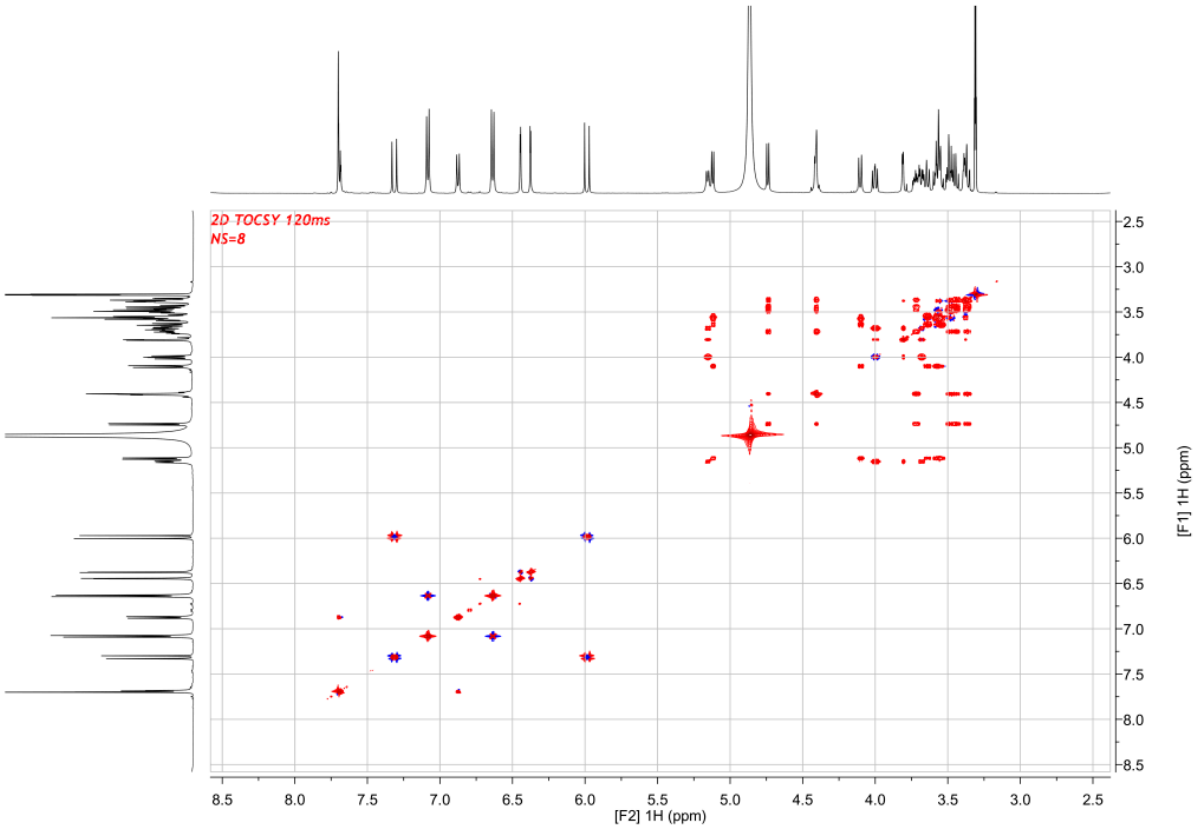


Figure S69. 2D ROESY NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz).

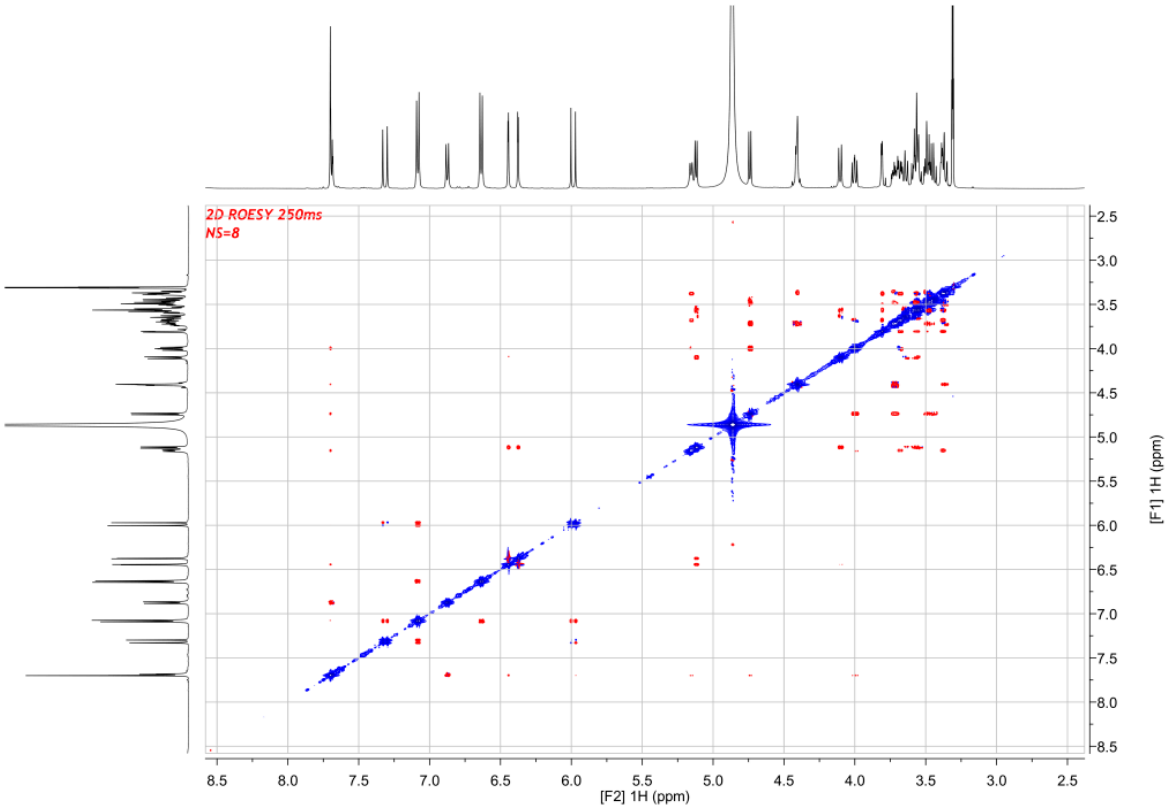


Figure S70. 2D *g*-HSQC-NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz, 125.77 MHz).

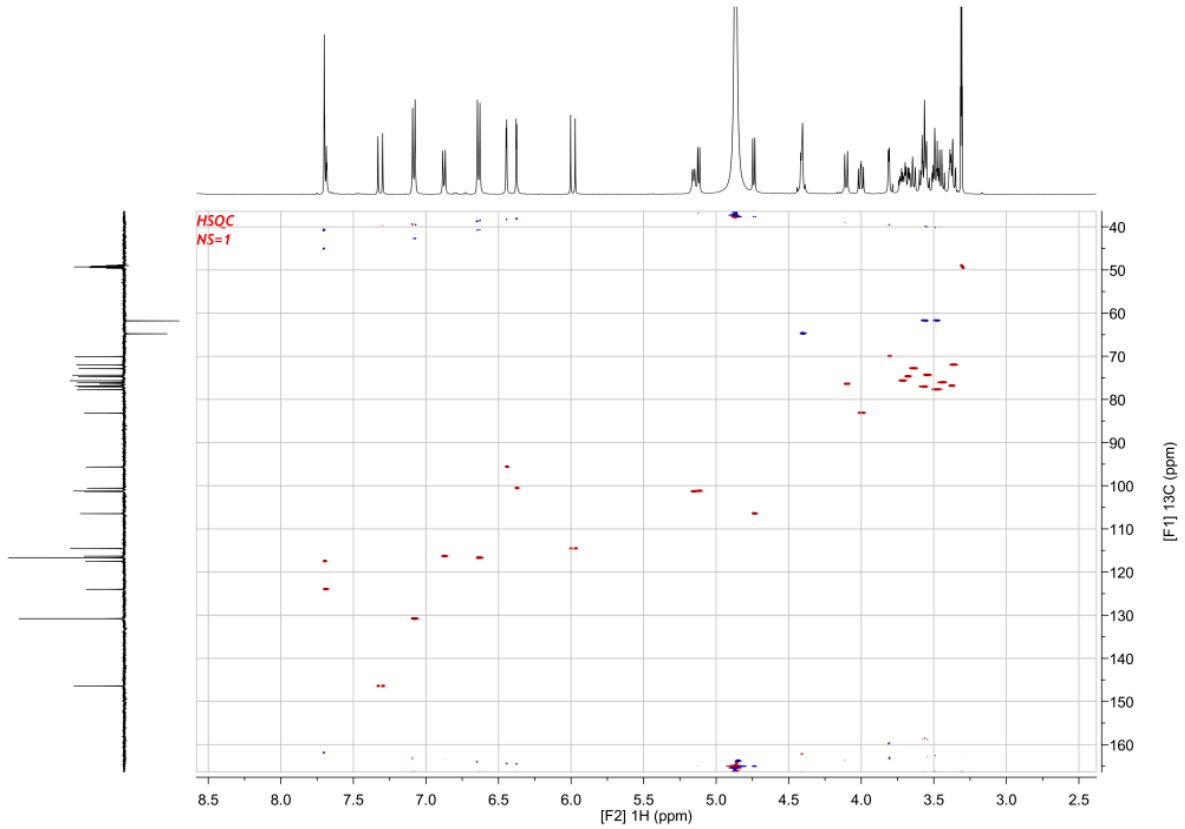


Figure S71. 2D *g*-HSQC-TOCSY NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz, 125.77 MHz).

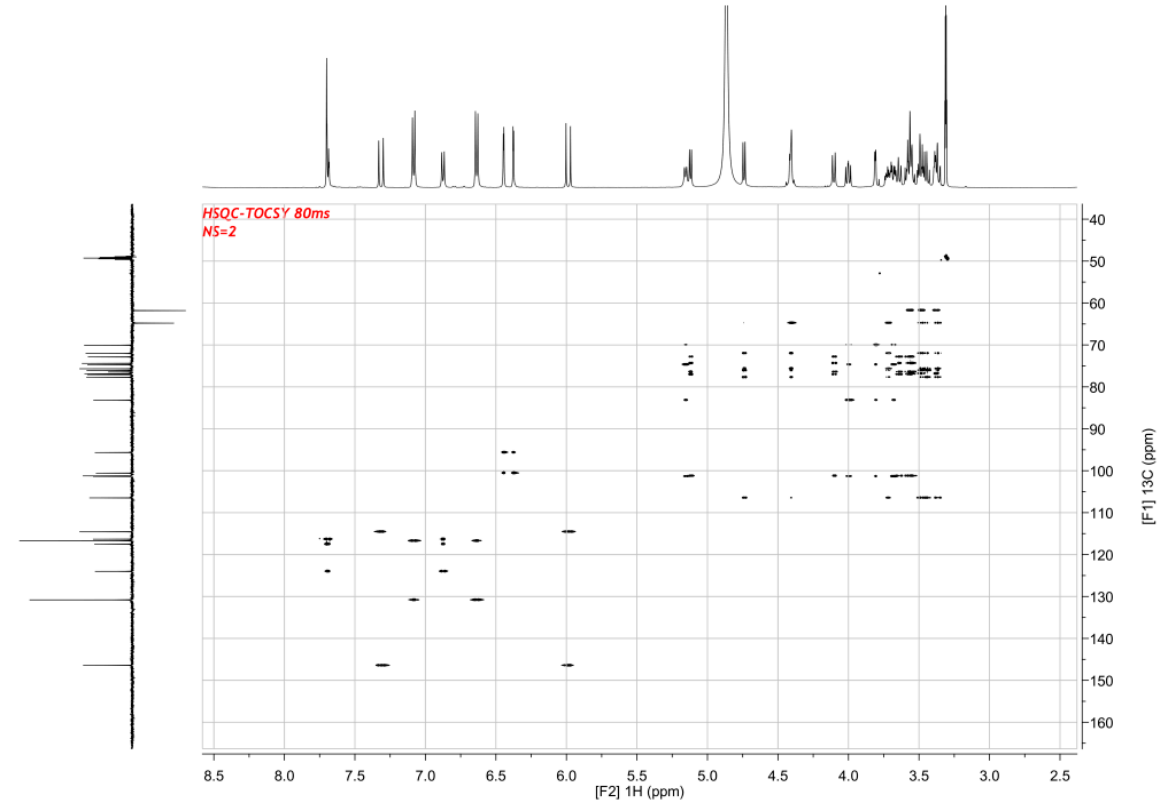


Figure S72. 2D *g*-HMBC-NMR spectrum of compound **7** (methanol-d_4, 500.18 MHz, 125.77 MHz).

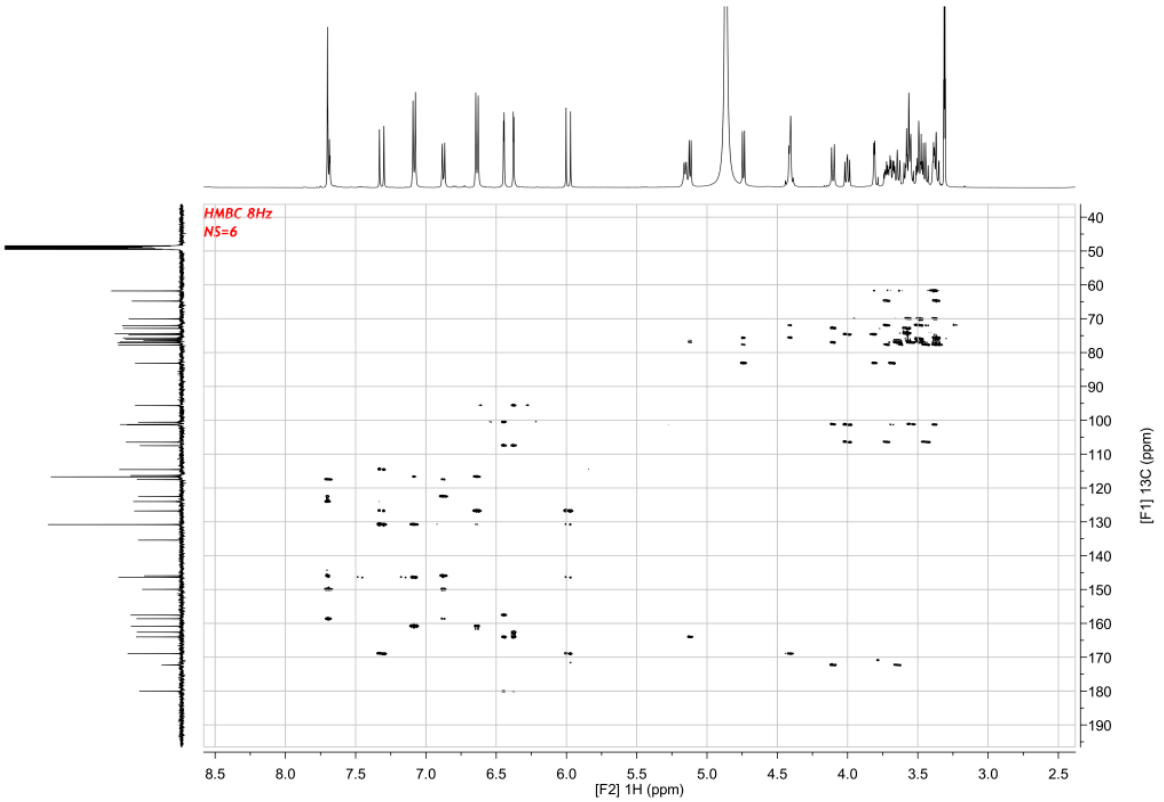


Figure S73. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **7** (methanol-d_4, 500.18 MHz).

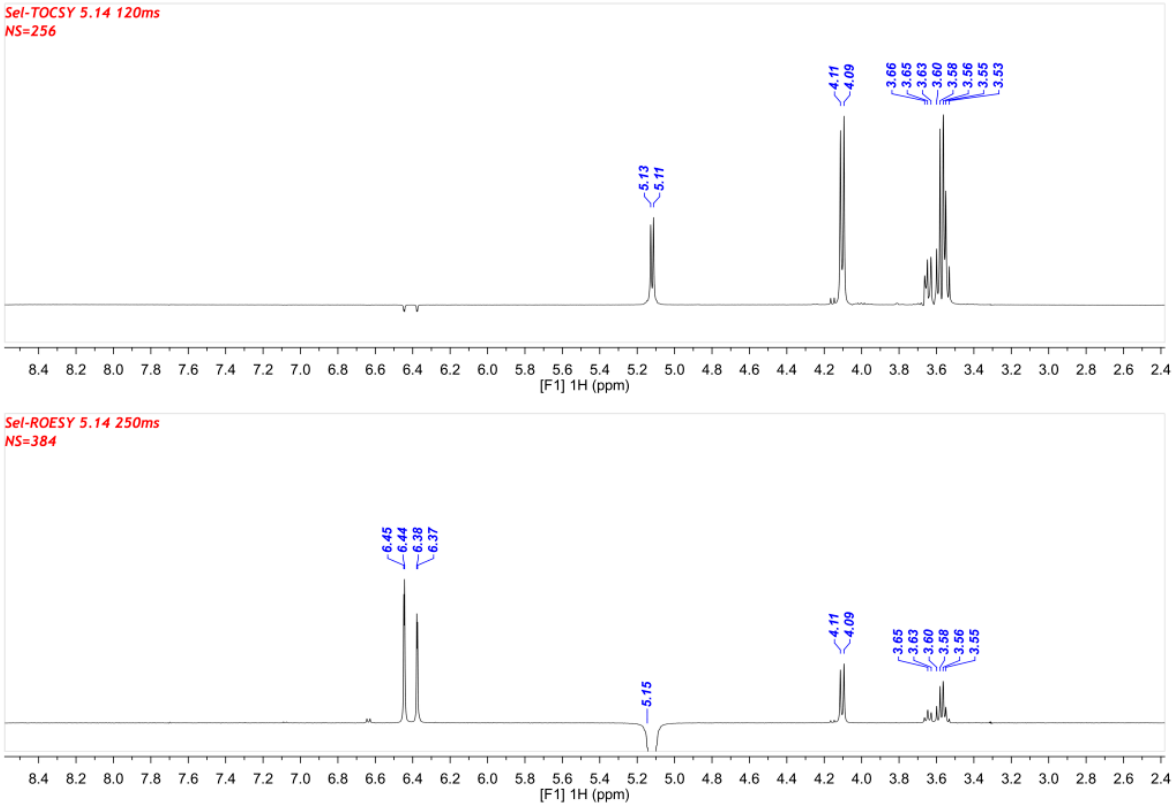


Figure S74. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **7** (methanol-d_4, 500.18 MHz).

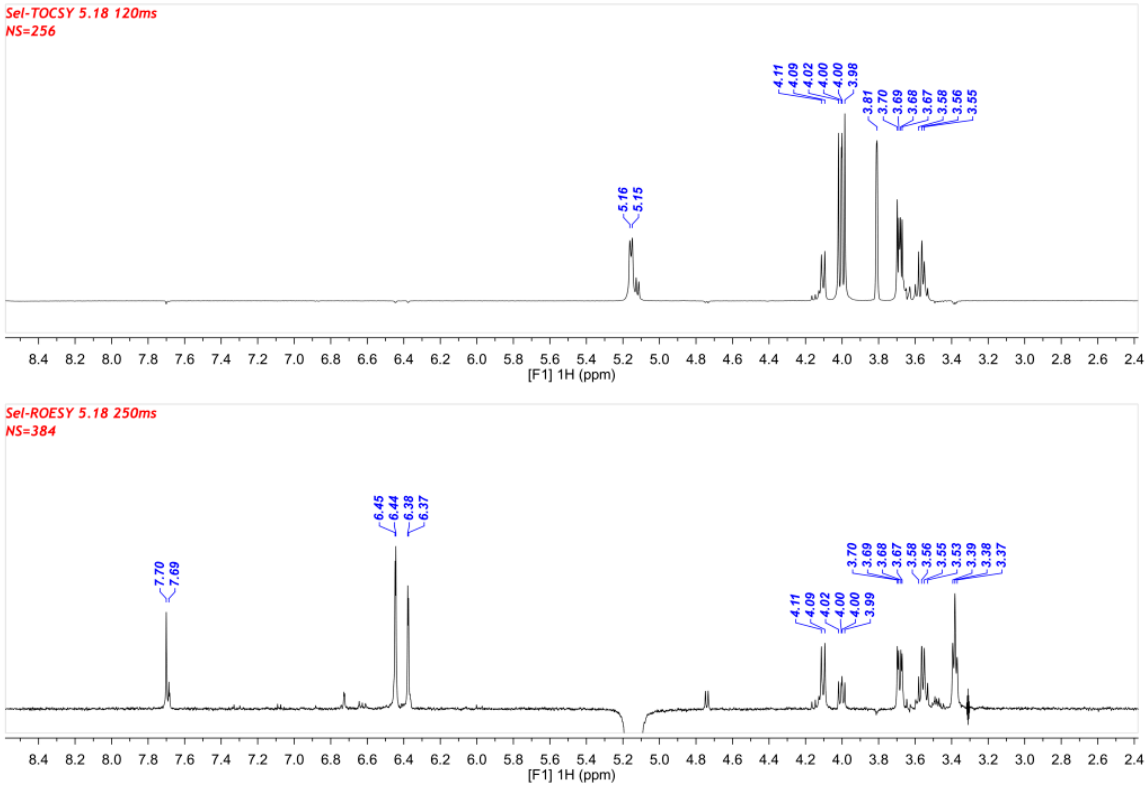
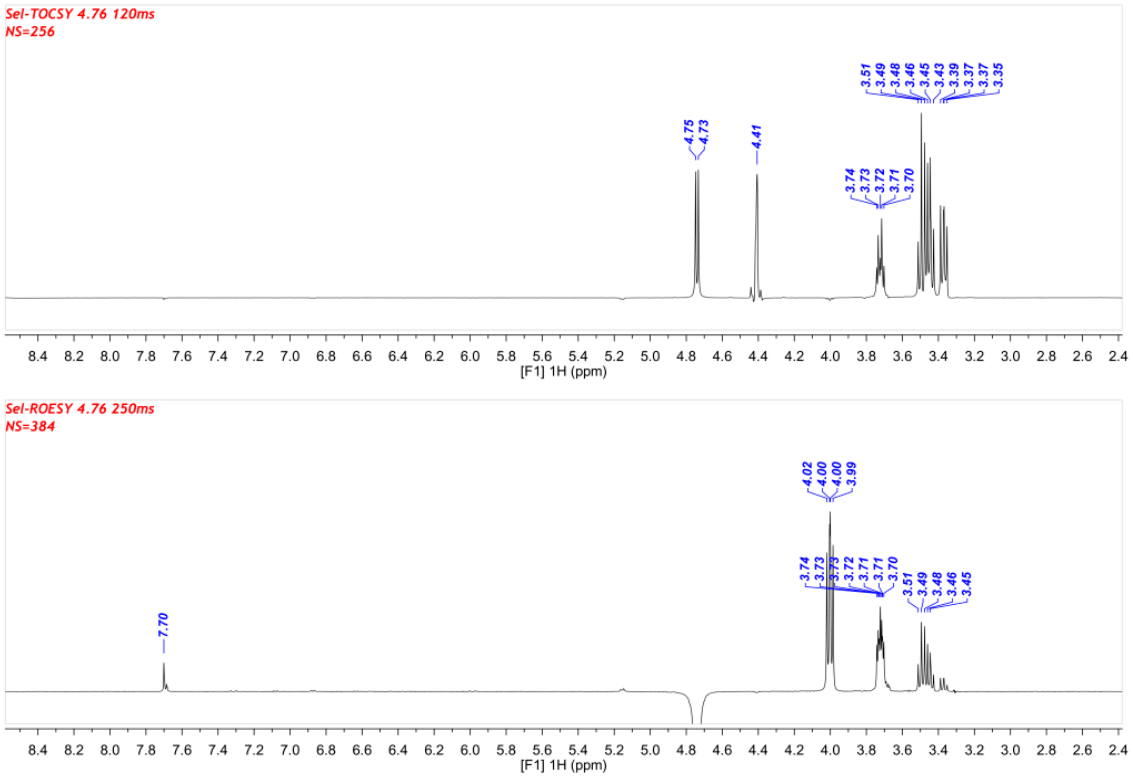


Figure S75. 1D TOCSY and 1D ROESY NMR subspectra of H-1($_{(2^{Gal}\text{-}O\text{-}\beta\text{-}Glc)}$) in compound **7** (methanol-d_4, 500.18 MHz).



Compound 8

Figure S76. 1D ^{1}H-NMR spectrum of compound **8** (methanol-d_4, 500.18 MHz).

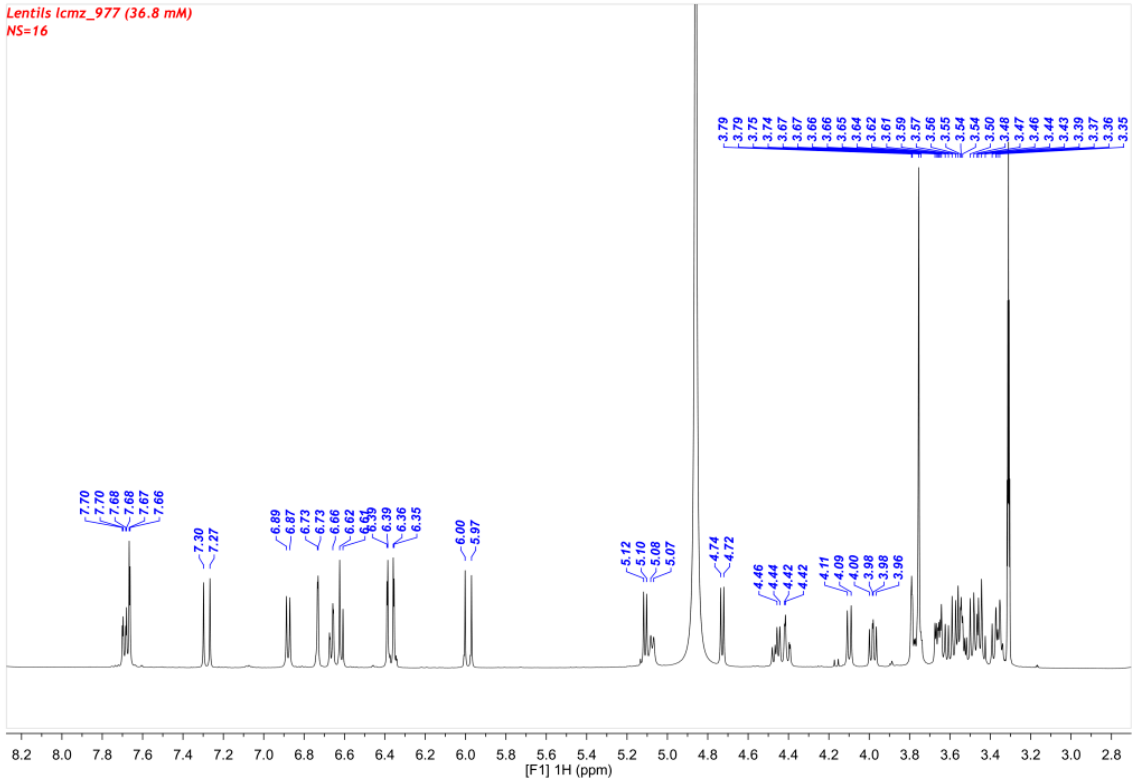


Figure S77. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **8** (methanol-d_4, 125.77 MHz).

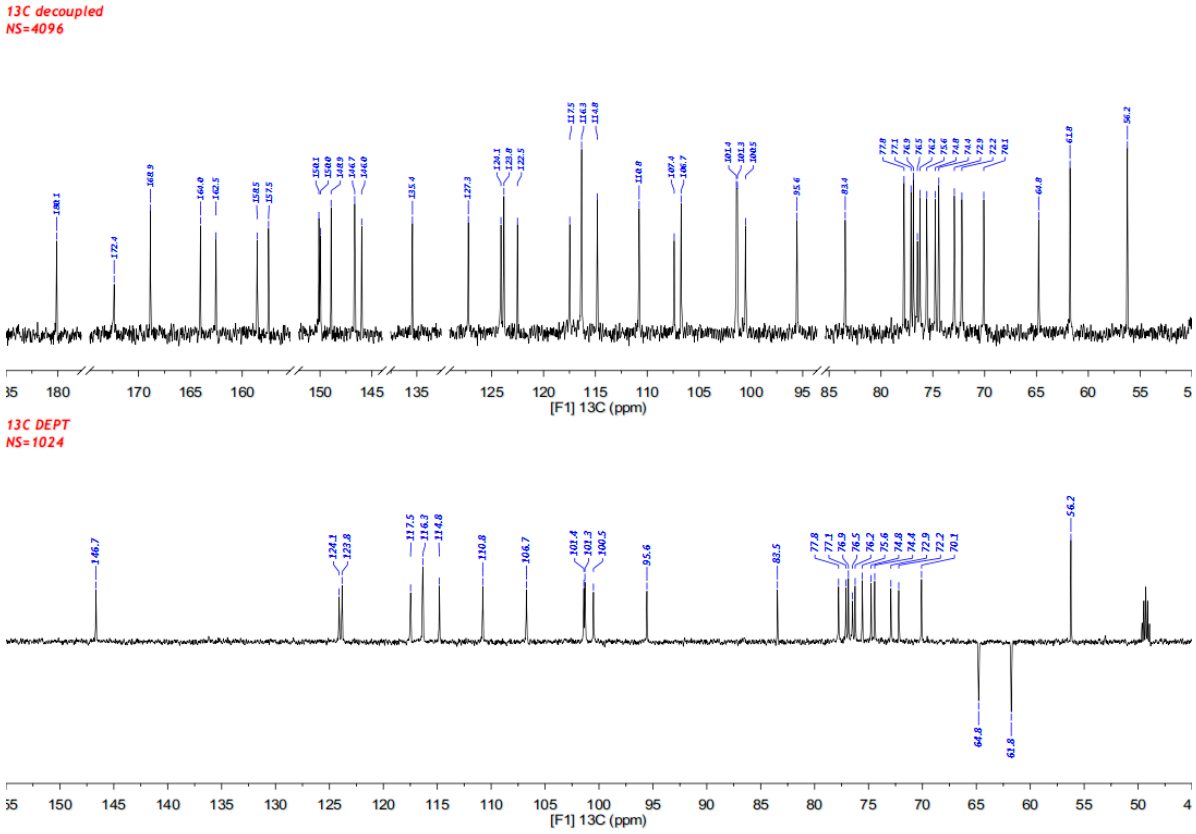


Figure S78. 2D *g*-COSY NMR spectrum of compound **8** (methanol-d_4, 500.18 MHz).

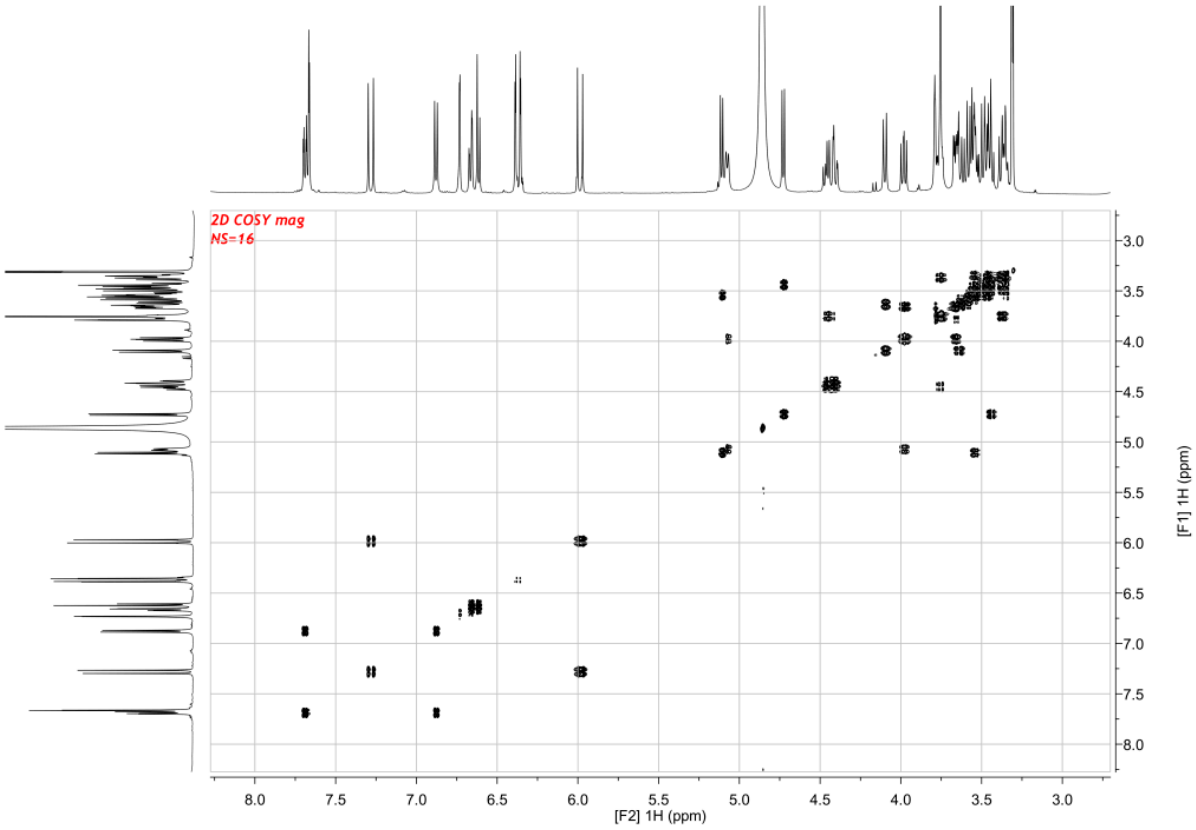


Figure S79. 2D TOCSY NMR spectrum of compound **8** (methanol-d_4, 500.18 MHz).

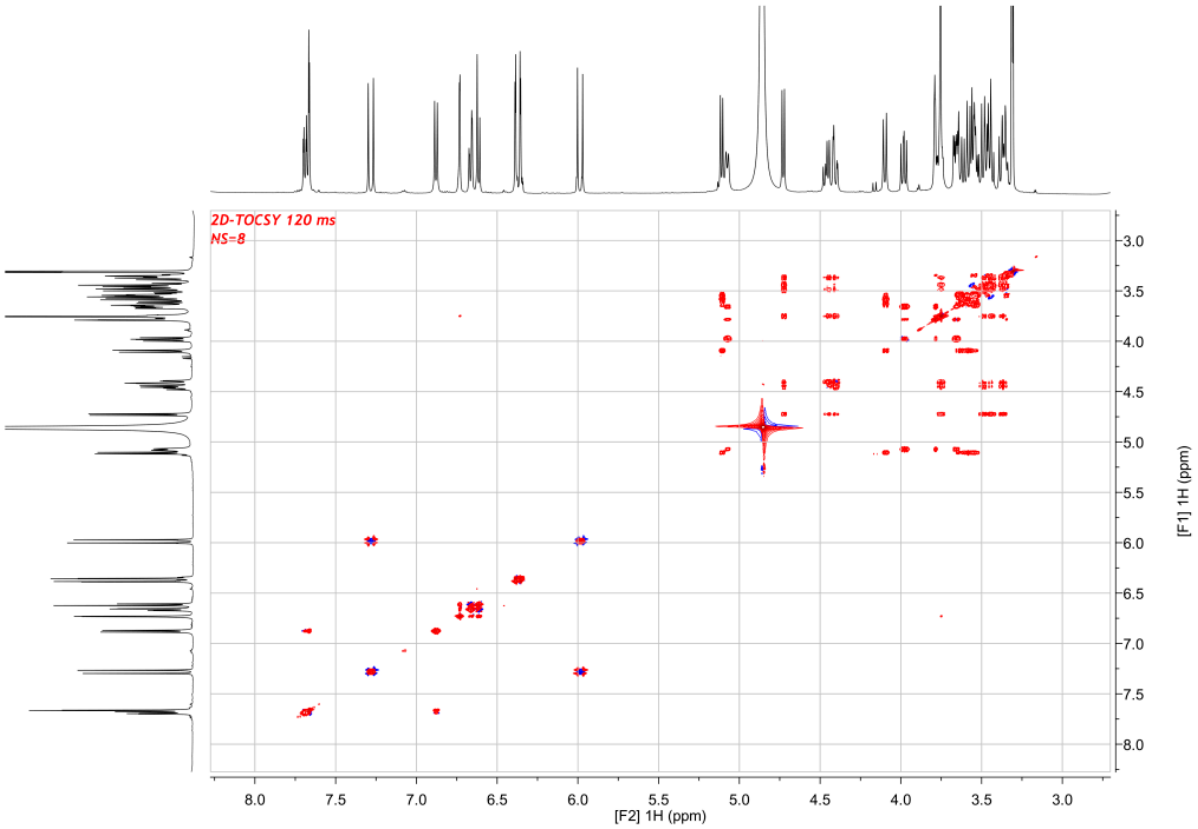


Figure S80. 2D ROESY NMR spectrum of compound **8** (methanol-d_4, 500.18 MHz).

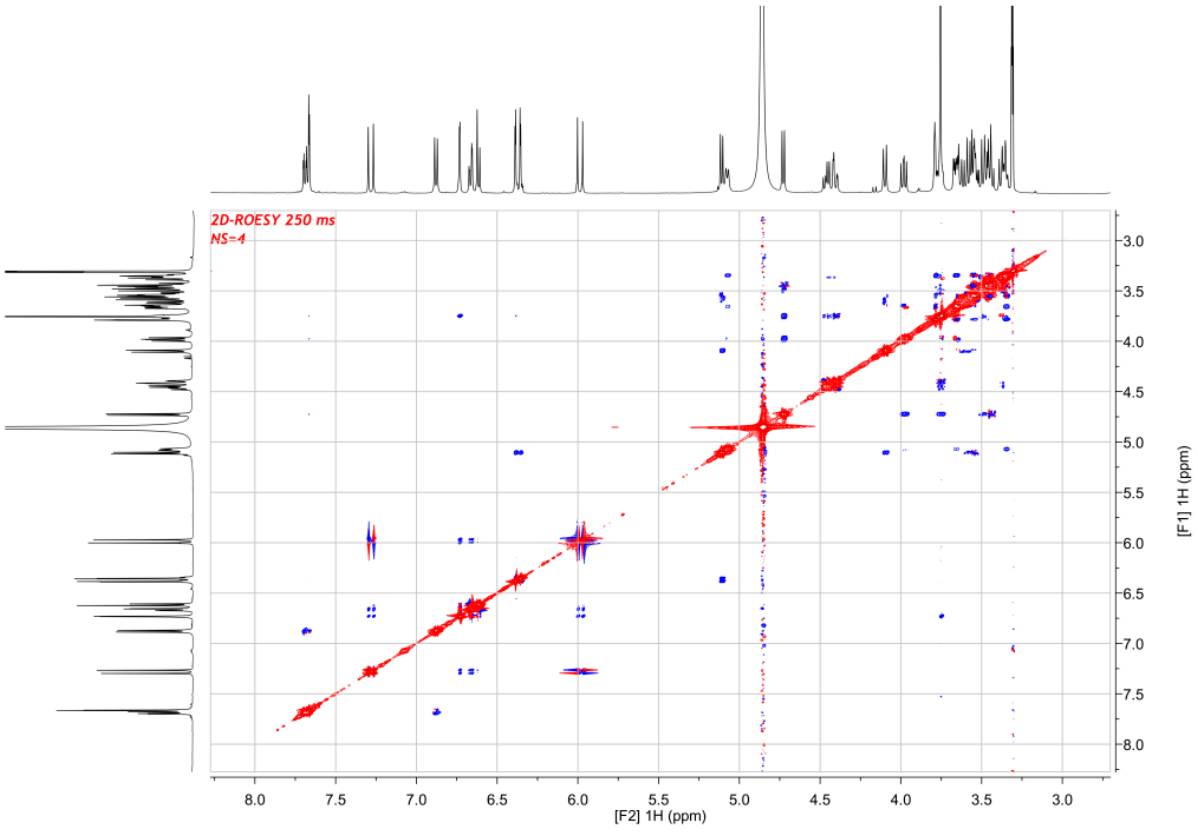


Figure S81. 2D *g*-HSQC-NMR spectrum of compound **8** (methanol-d_4, 500.18 MHz, 125.77 MHz).

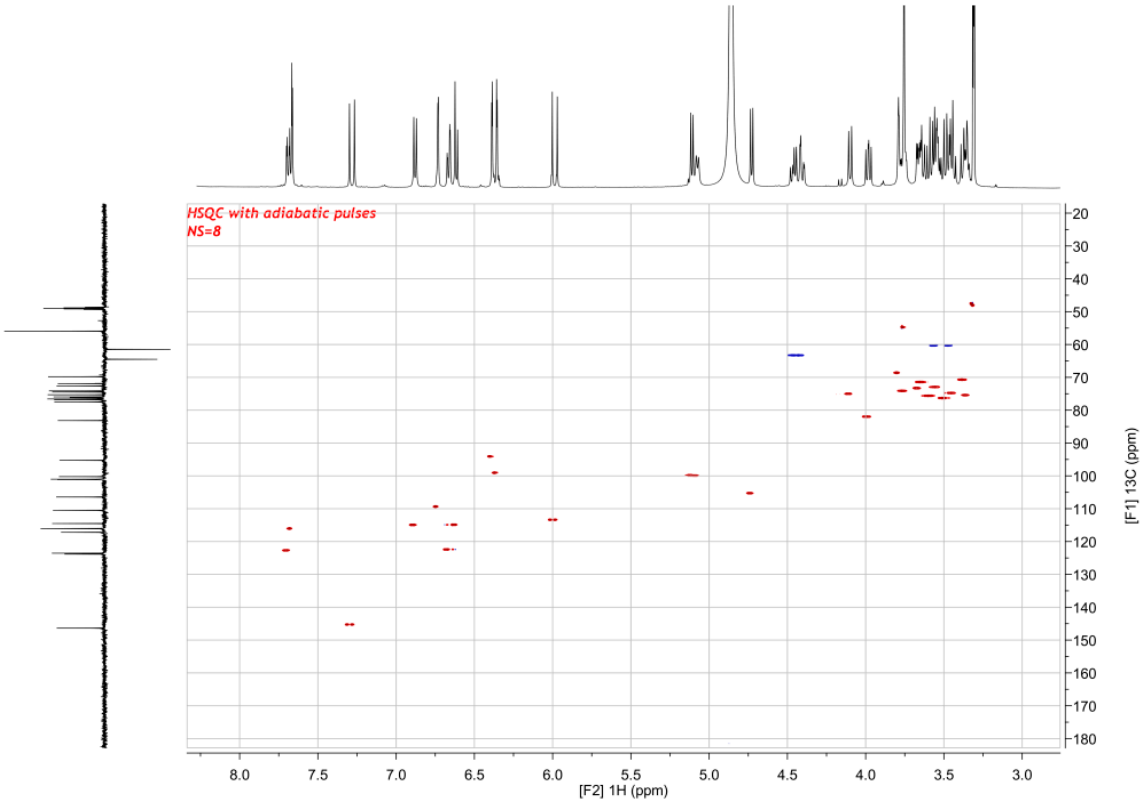


Figure S82. 2D *g*-HSQC-TOCSY NMR spectrum of compound **8** (methanol-d_4, 500.18 MHz, 125.77 MHz).

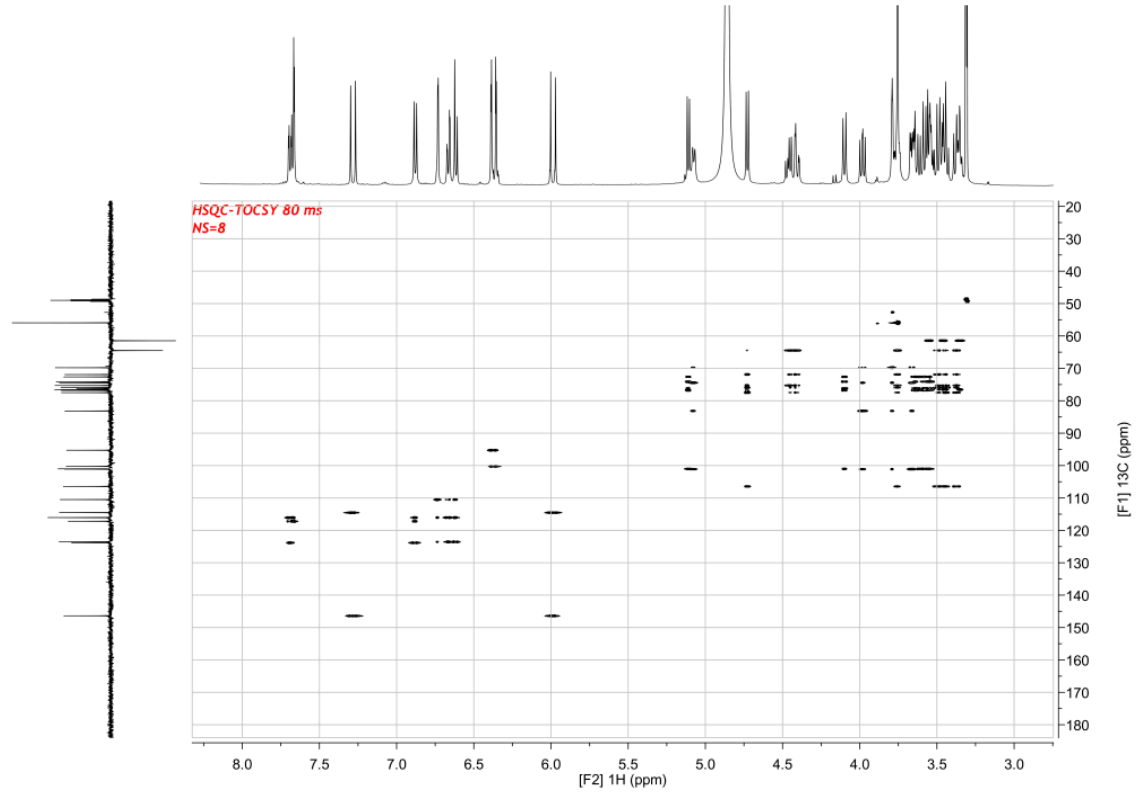


Figure S83. 2D *g*-HMBC-NMR spectrum of compound **8** (methanol-d_4, 500.18 MHz, 125.77 MHz).

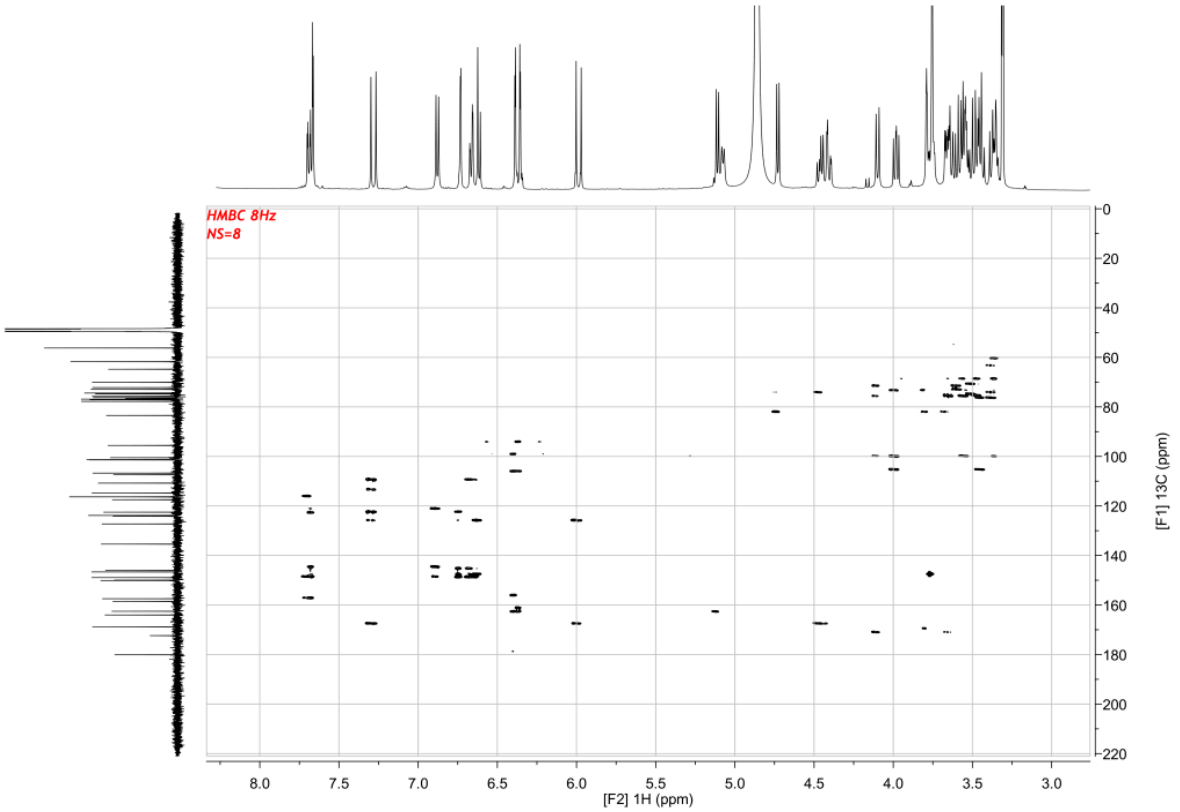


Figure S84. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **8** (methanol-d_4, 500.18 MHz).

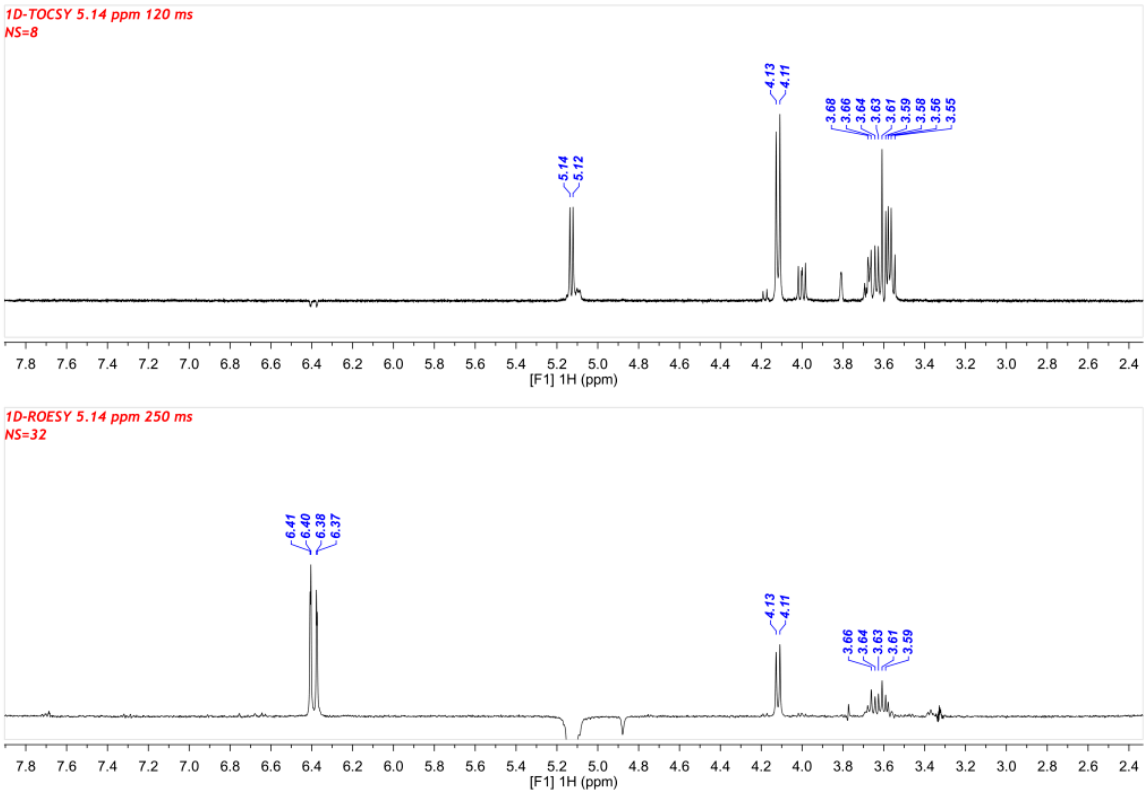


Figure S85. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **8** (methanol-d_4, 500.18 MHz).

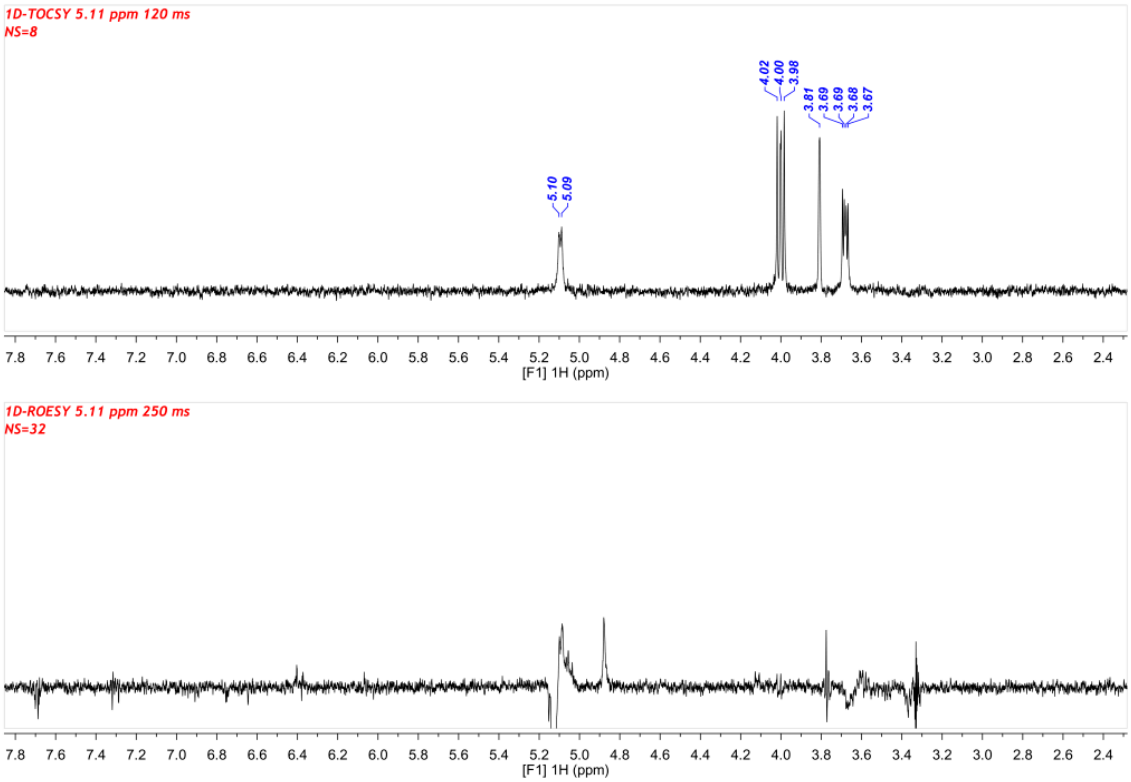
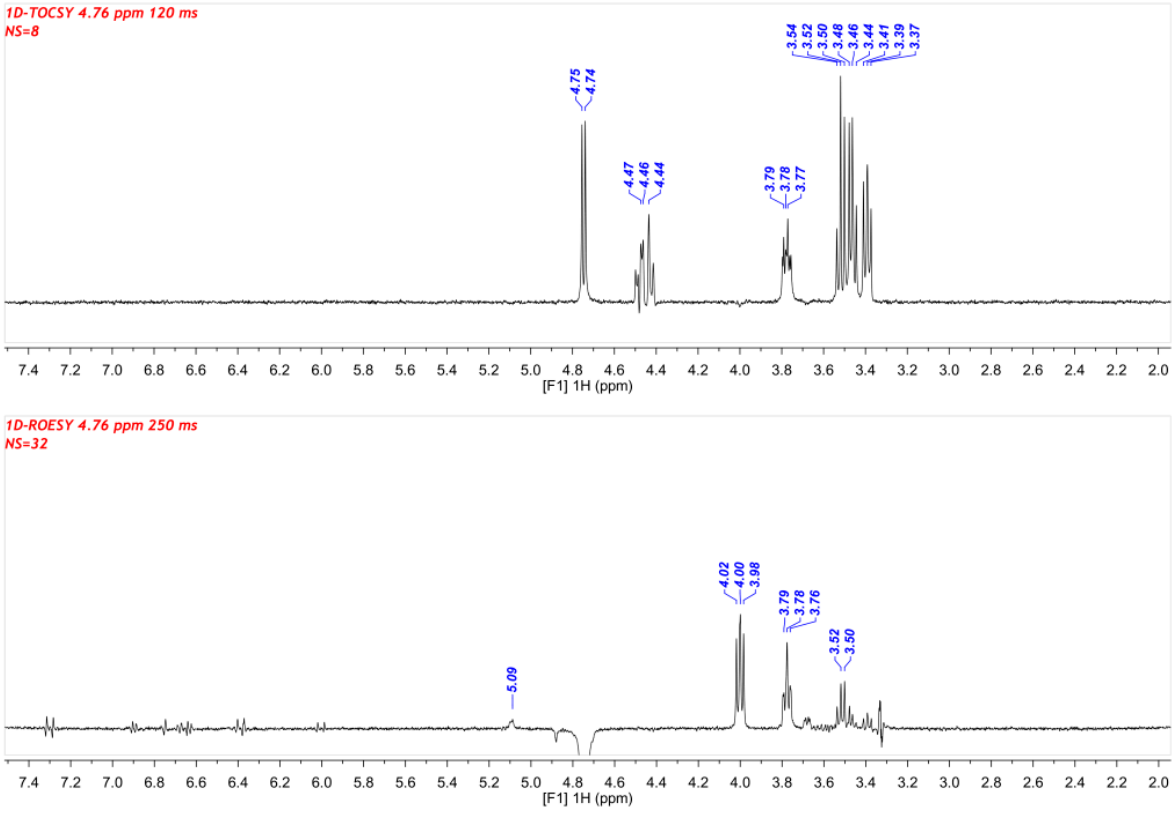


Figure S86. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **8** (methanol-d_4, 500.18 MHz).



Compound 9

Figure S87. 1D ^{1}H-NMR spectrum of compound **9** (methanol-d_4, 500.18 MHz).

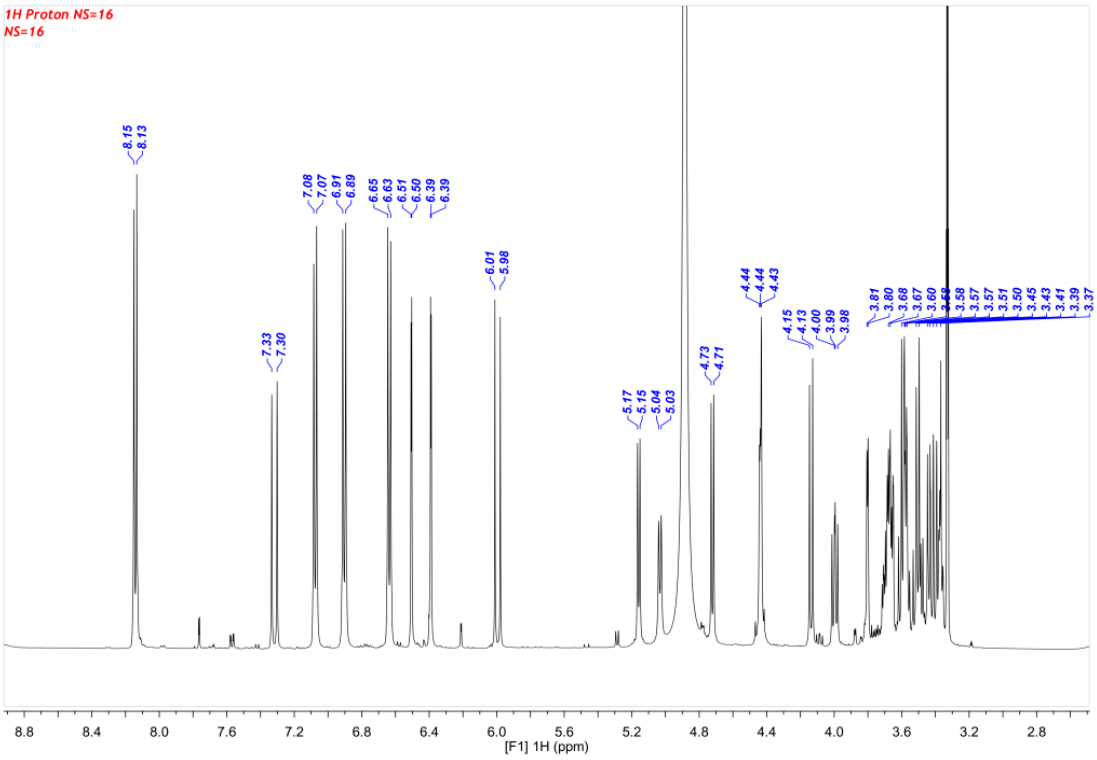


Figure S88. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **9** (methanol-d_4, 125.77 MHz).

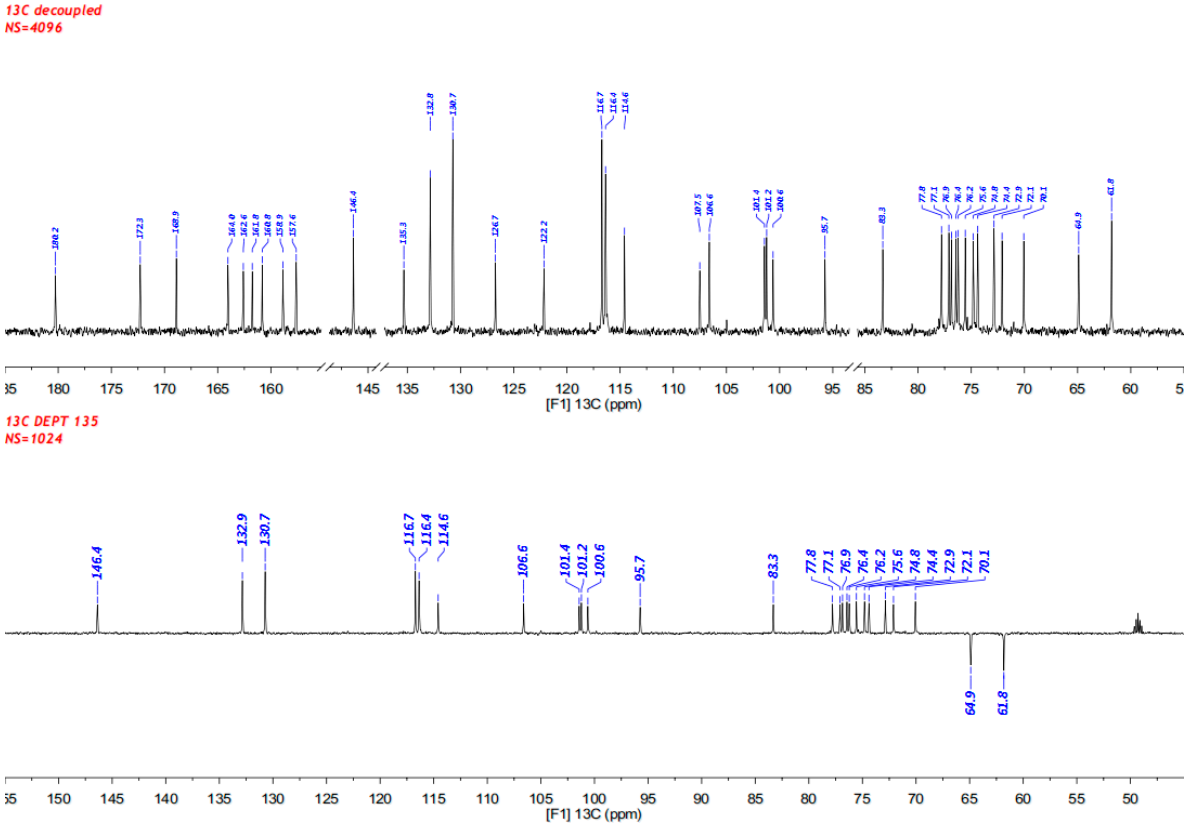


Figure S89. 2D *g*-COSY NMR spectrum of compound **9** (methanol-d_4, 500.18 MHz).

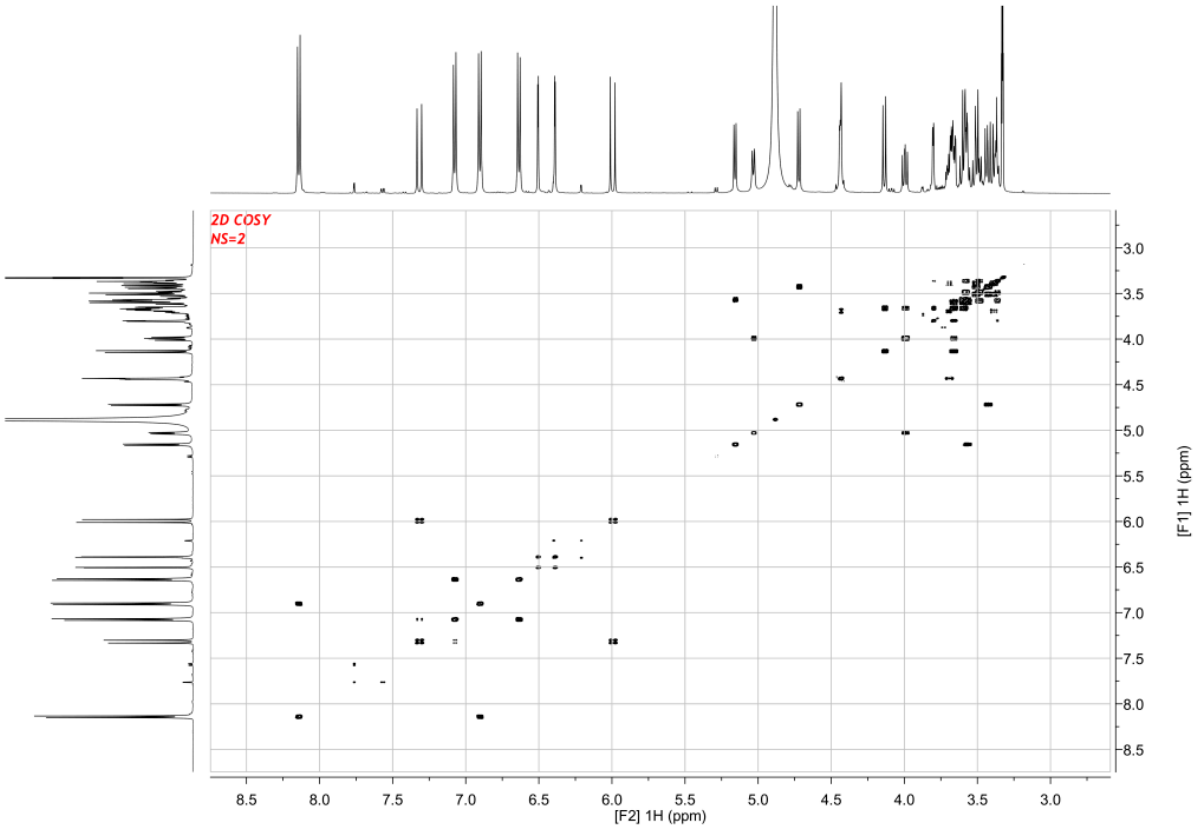


Figure S90. 2D TOCSY NMR spectrum of compound **9** (methanol-d_4, 500.18 MHz).

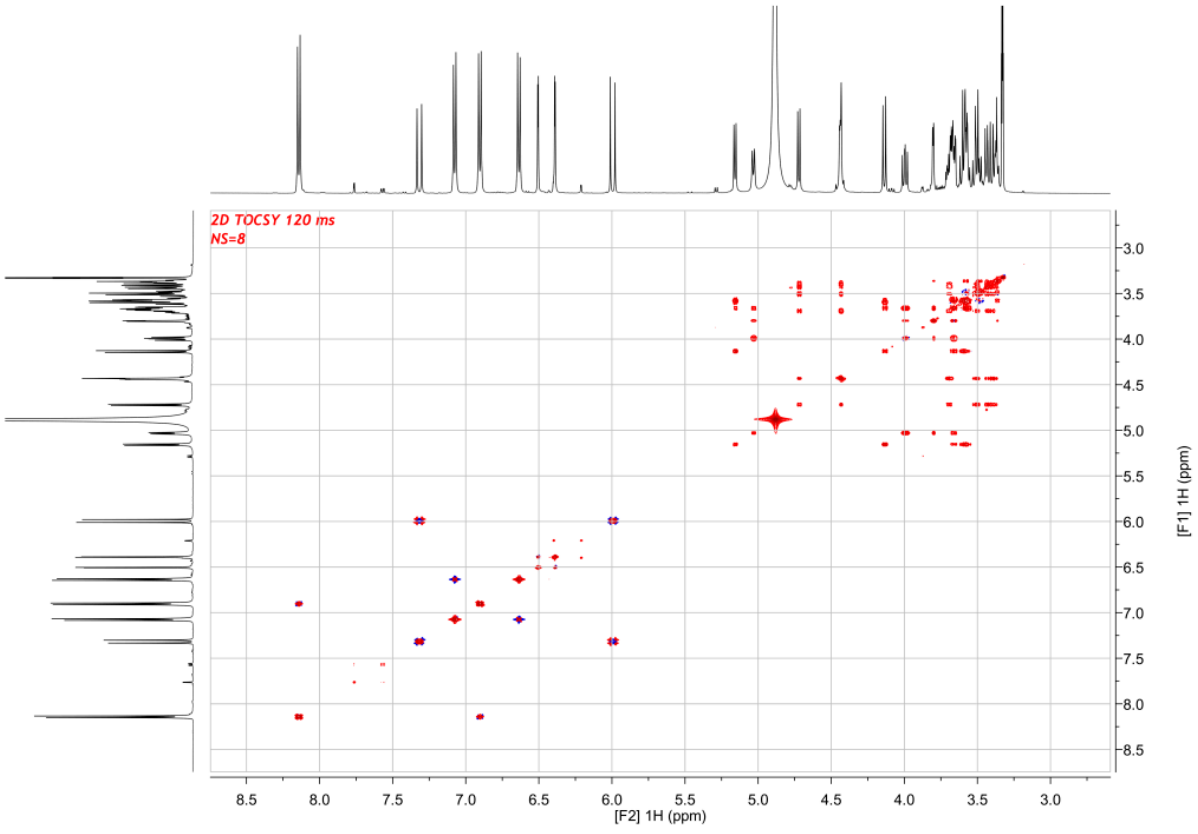


Figure S91. 2D ROESY NMR spectrum of compound **9** (methanol-d_4, 500.18 MHz).

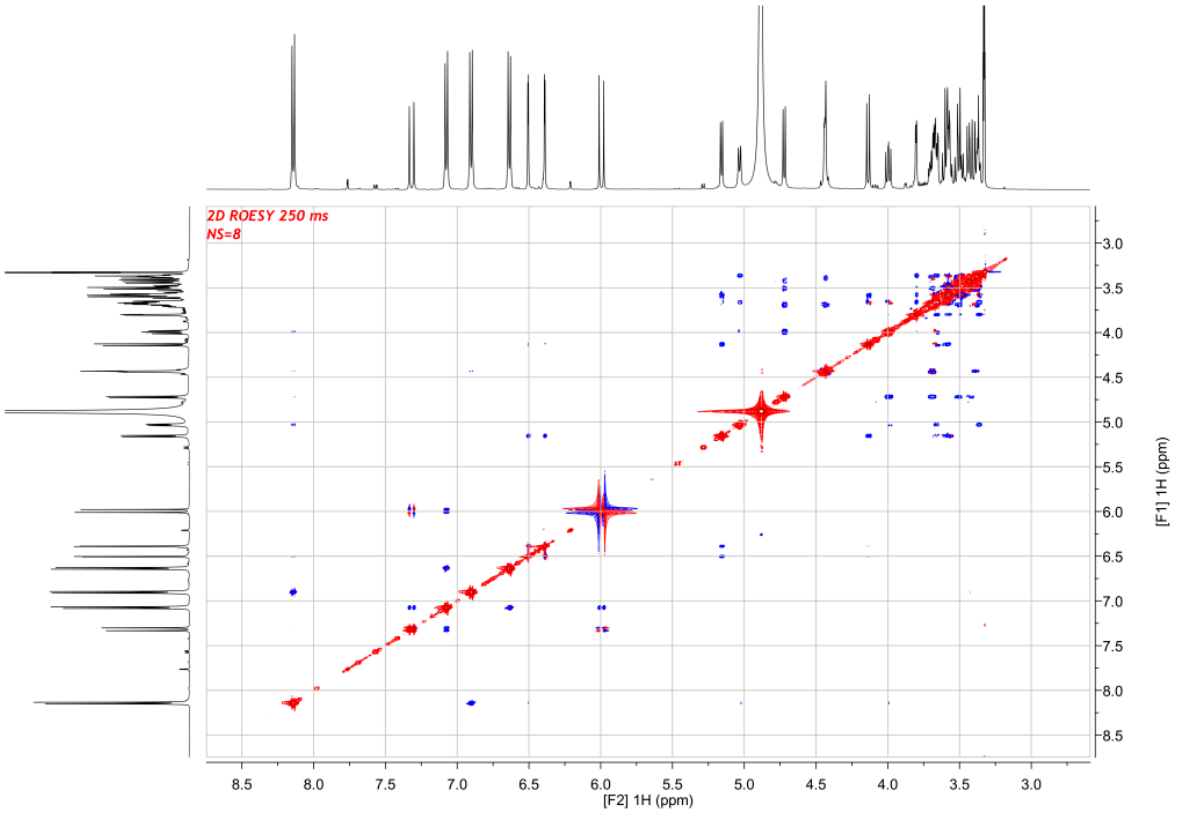


Figure S92. 2D *g*-HSQC-NMR spectrum of compound **9** (methanol-d_4, 500.18 MHz, 125.77 MHz).

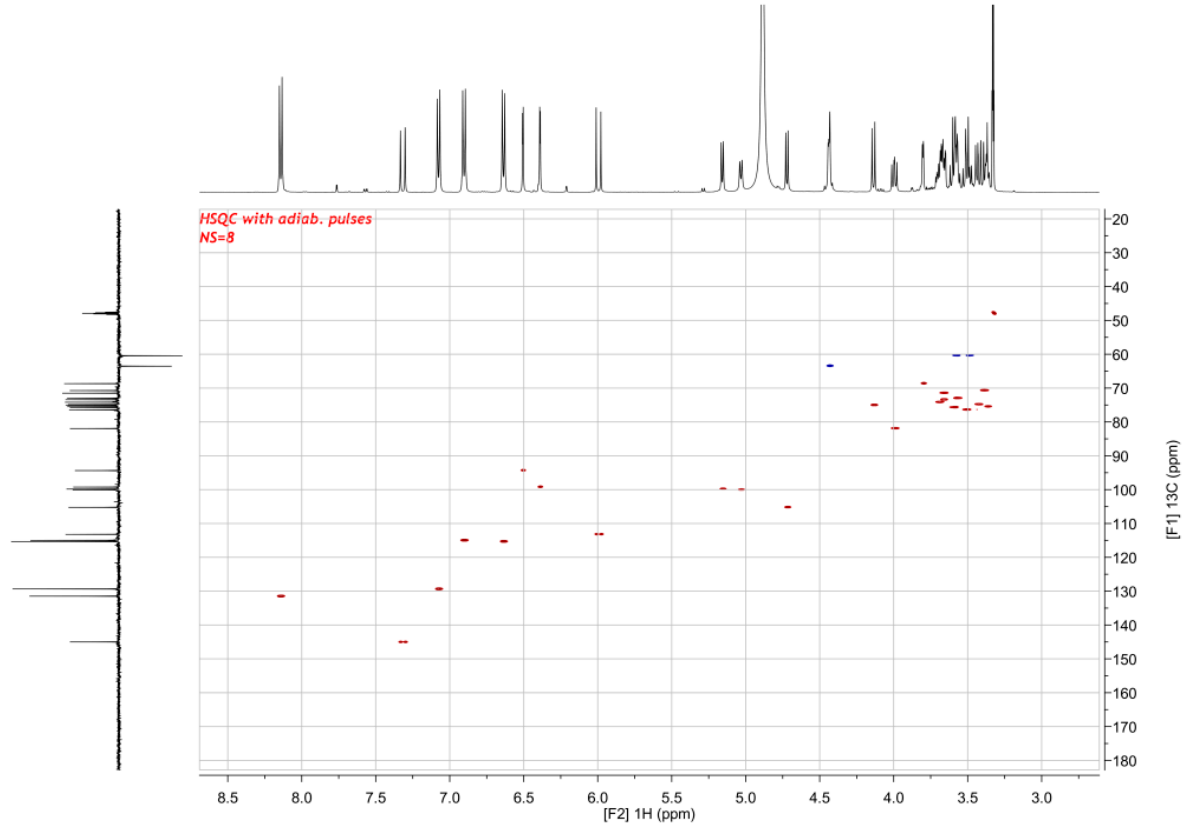


Figure S93. 2D *g*-HSQC-TOCSY NMR spectrum of compound **9** (methanol-d_4, 500.18 MHz, 125.77 MHz).

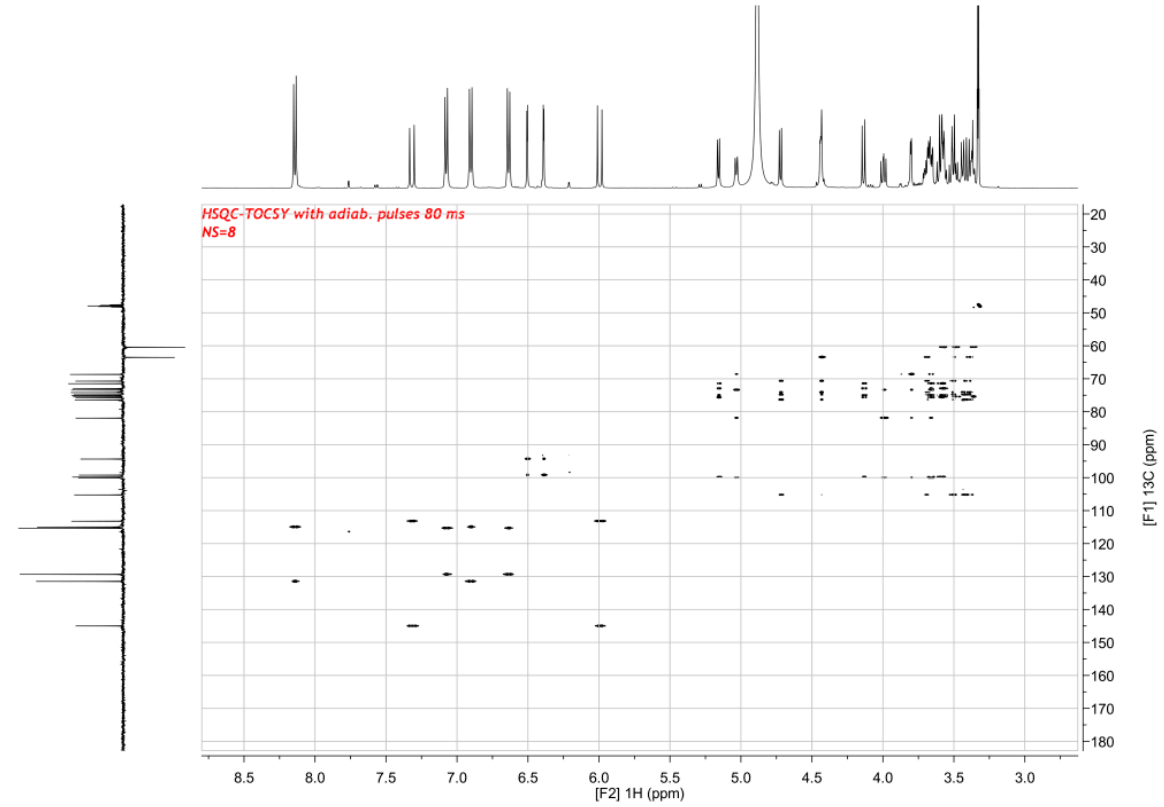


Figure S94. 2D *g*-HMBC-NMR spectrum of compound **9** (methanol-d_4, 500.18 MHz, 125.77 MHz).

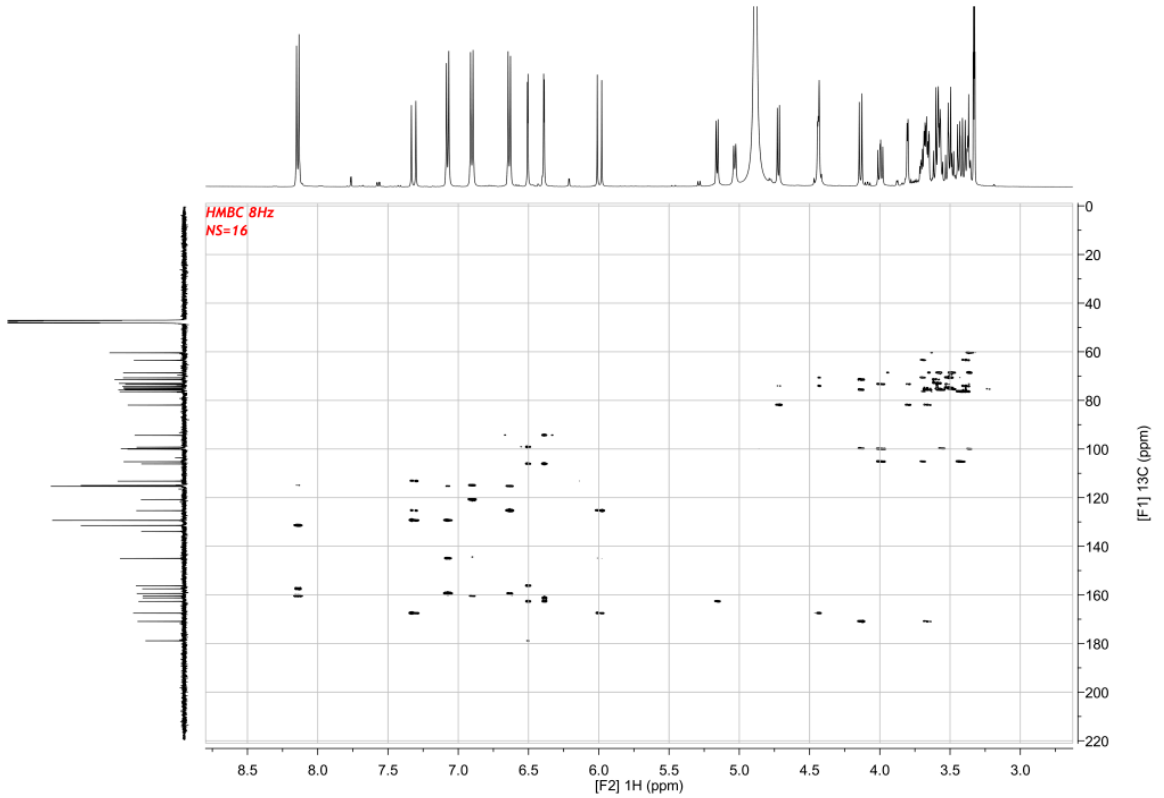


Figure S95. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **9** (methanol-d_4, 500.18 MHz).

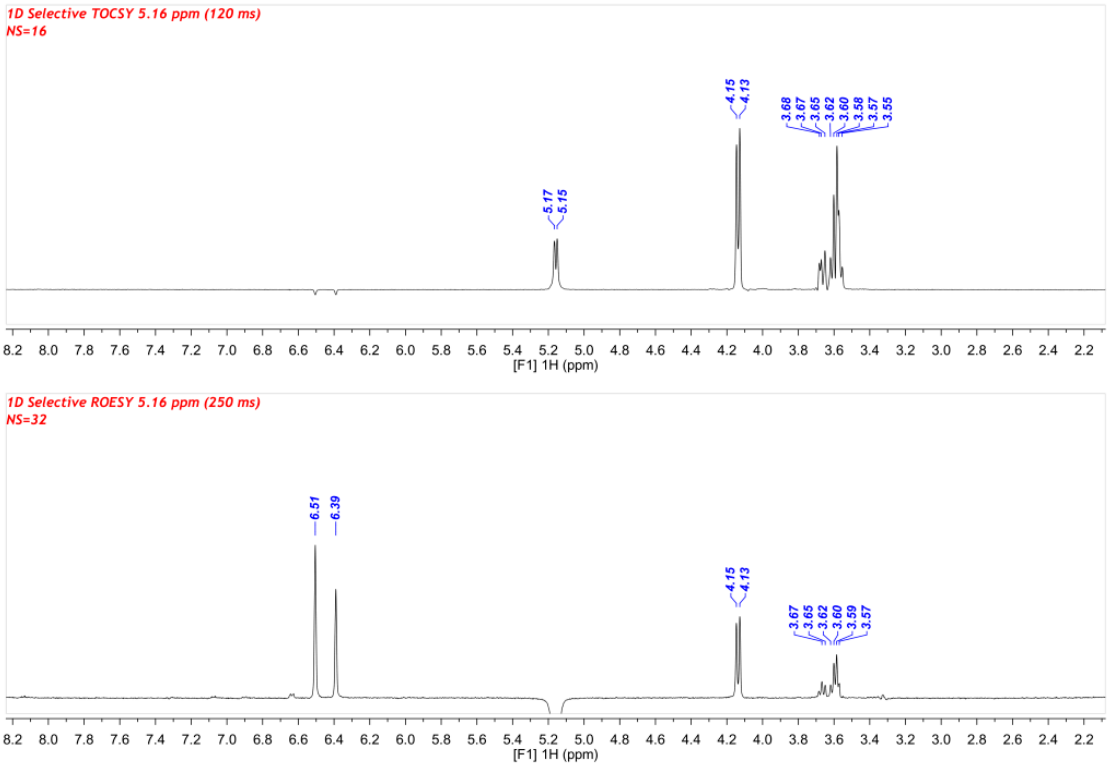


Figure S96. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **9** (methanol-d_4, 500.18 MHz).

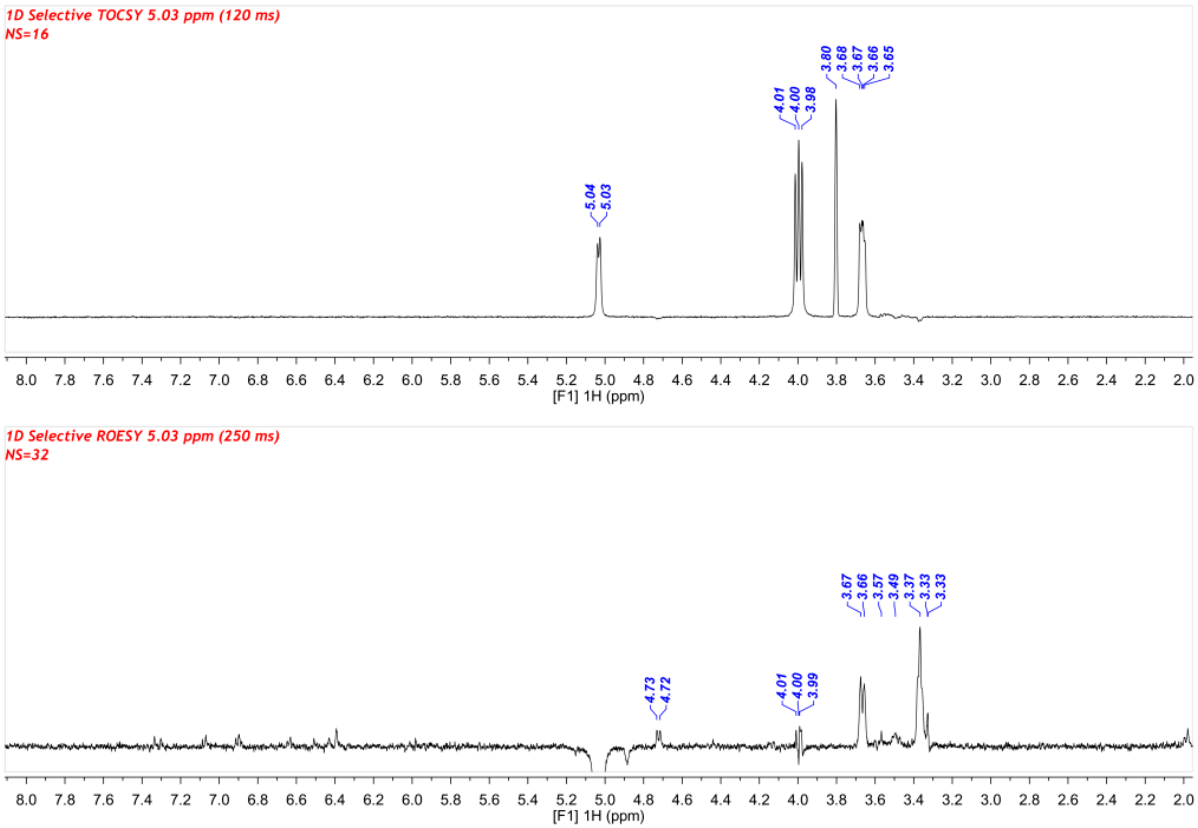
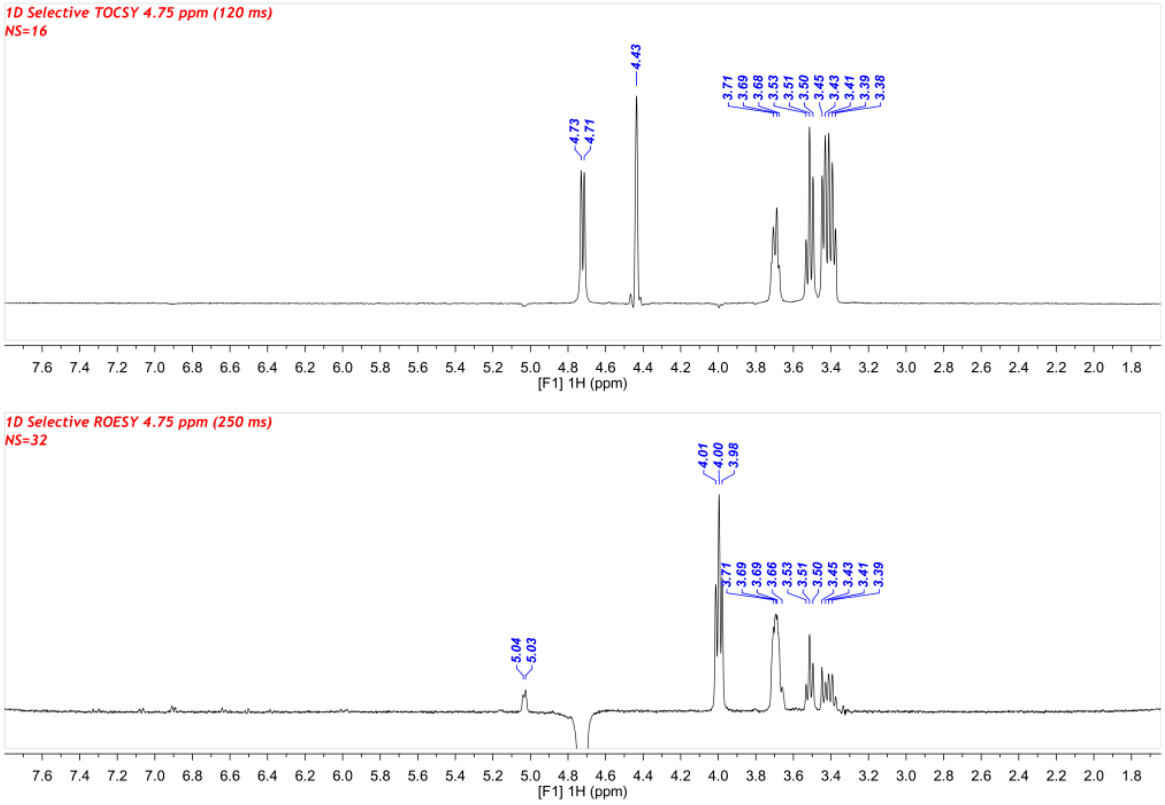


Figure S97. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-}Glc)}$ in compound **9** (methanol-d_4, 500.18 MHz).



Compound 10

Figure S98. 1D ^{1}H-NMR spectrum of compound **10** (methanol-d_4, 500.18 MHz).

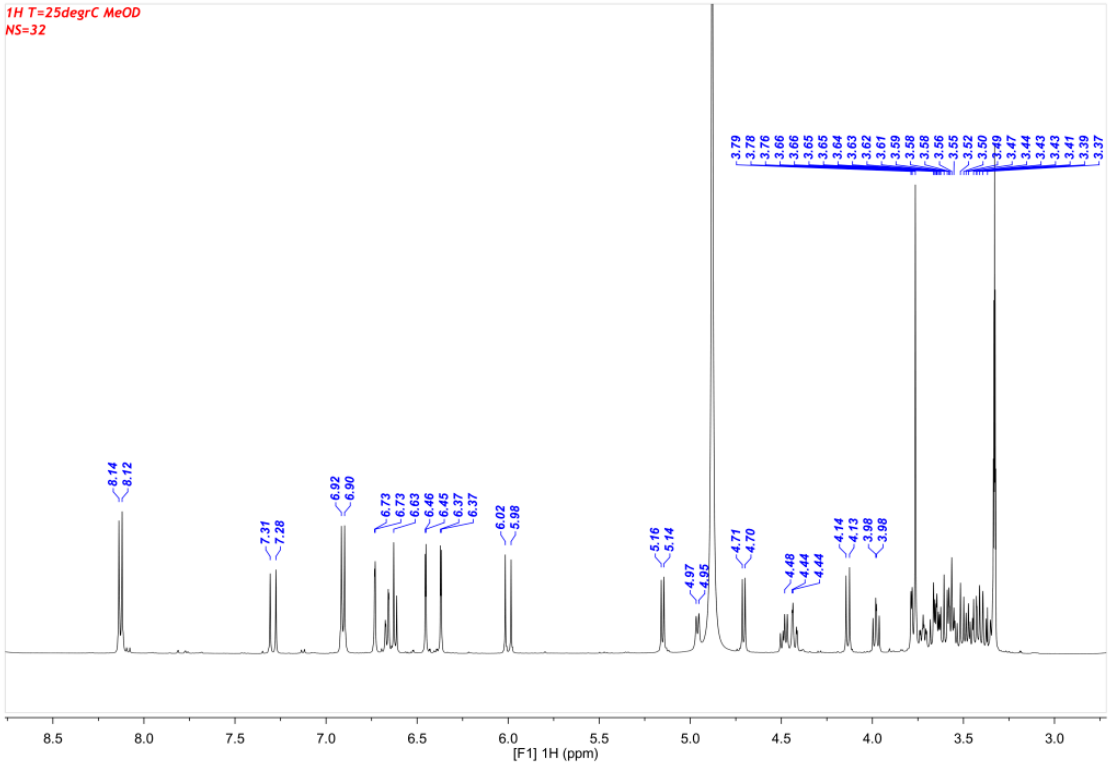


Figure S99. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **10** (methanol-d_4, 125.77 MHz).

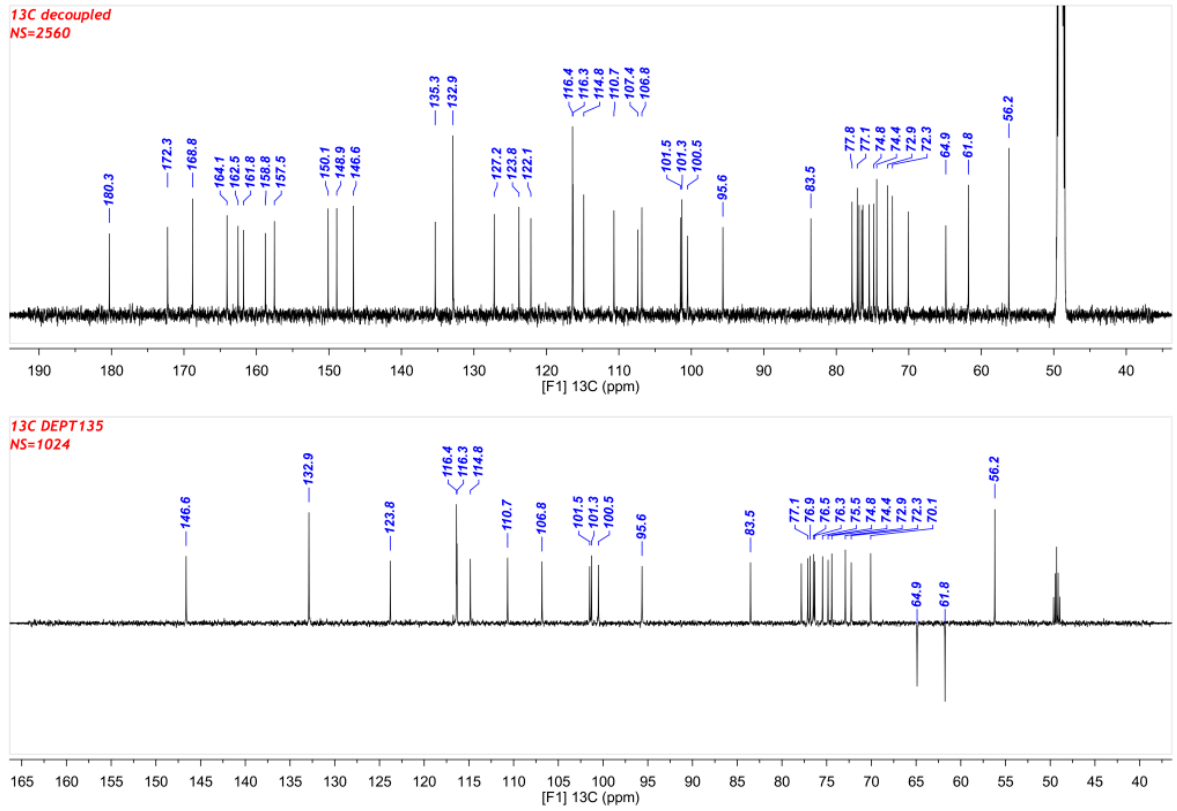


Figure S100. 2D *g*-COSY NMR spectrum of compound **10** (methanol-d_4, 500.18 MHz).

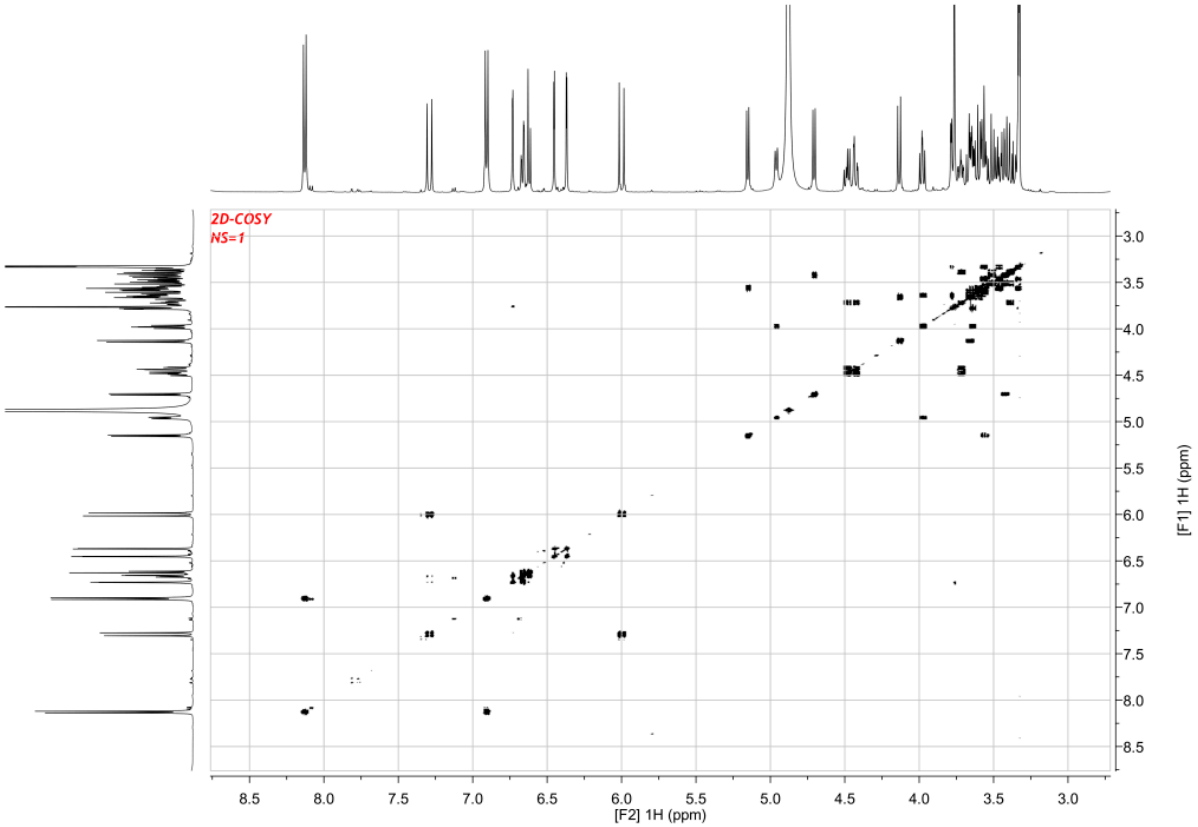


Figure S101. 2D TOCSY NMR spectrum of compound **10** (methanol-d_4, 500.18 MHz).

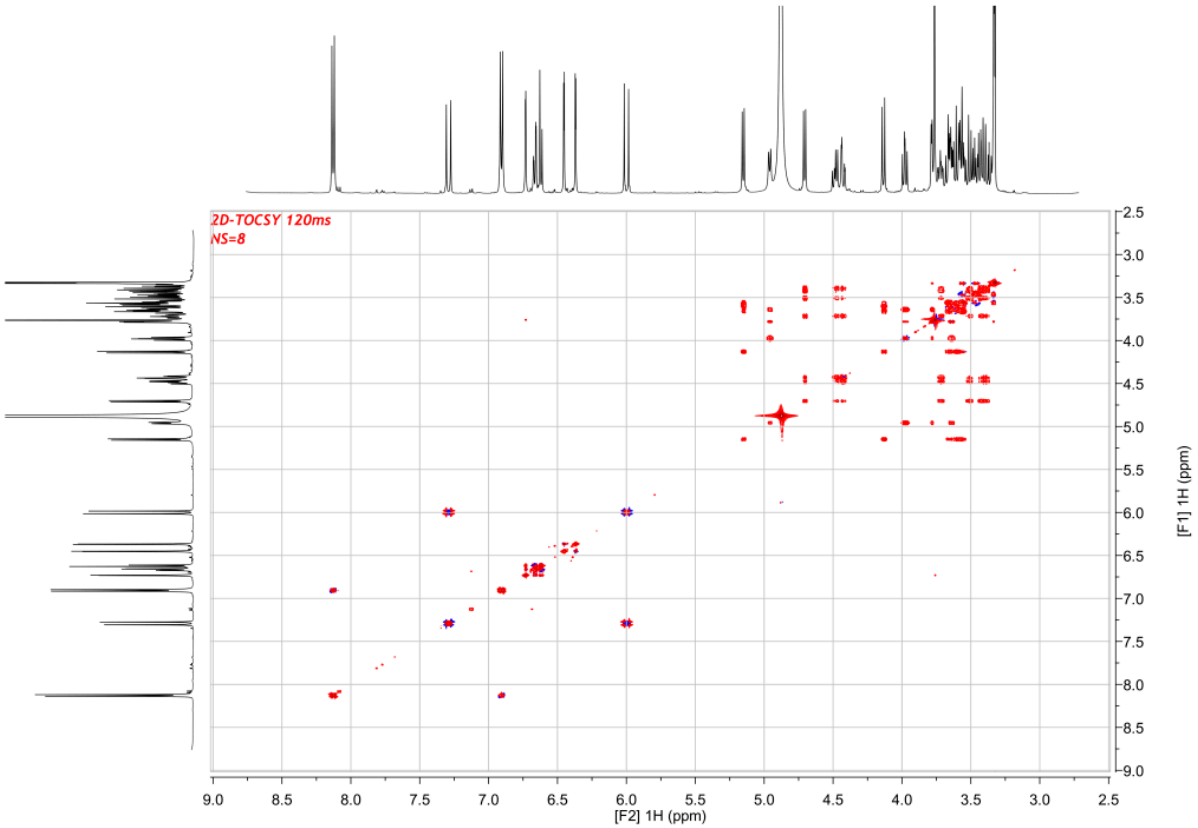


Figure S102. 2D ROESY NMR spectrum of compound **10** (methanol-d_4, 500.18 MHz).

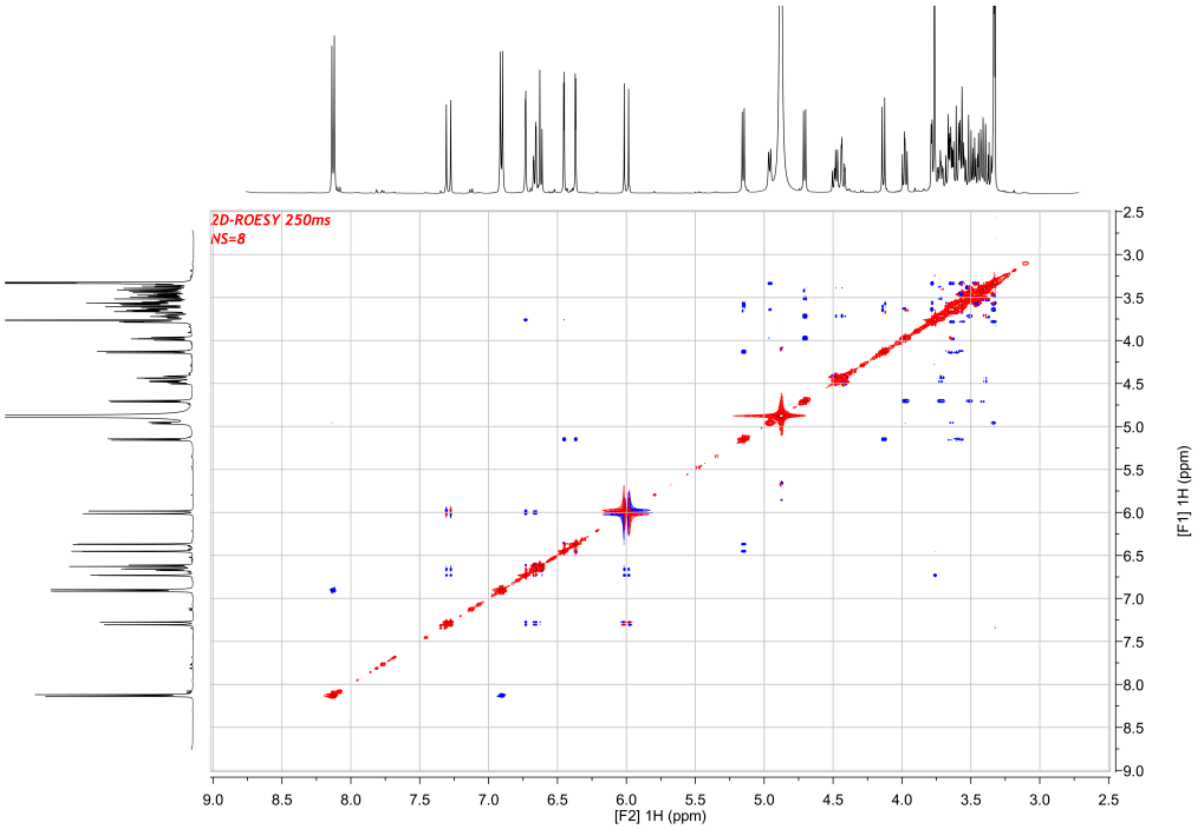


Figure S103. 2D *g*-HSQC-NMR spectrum of compound **10** (methanol-d_4, 500.18 MHz, 125.77 MHz).

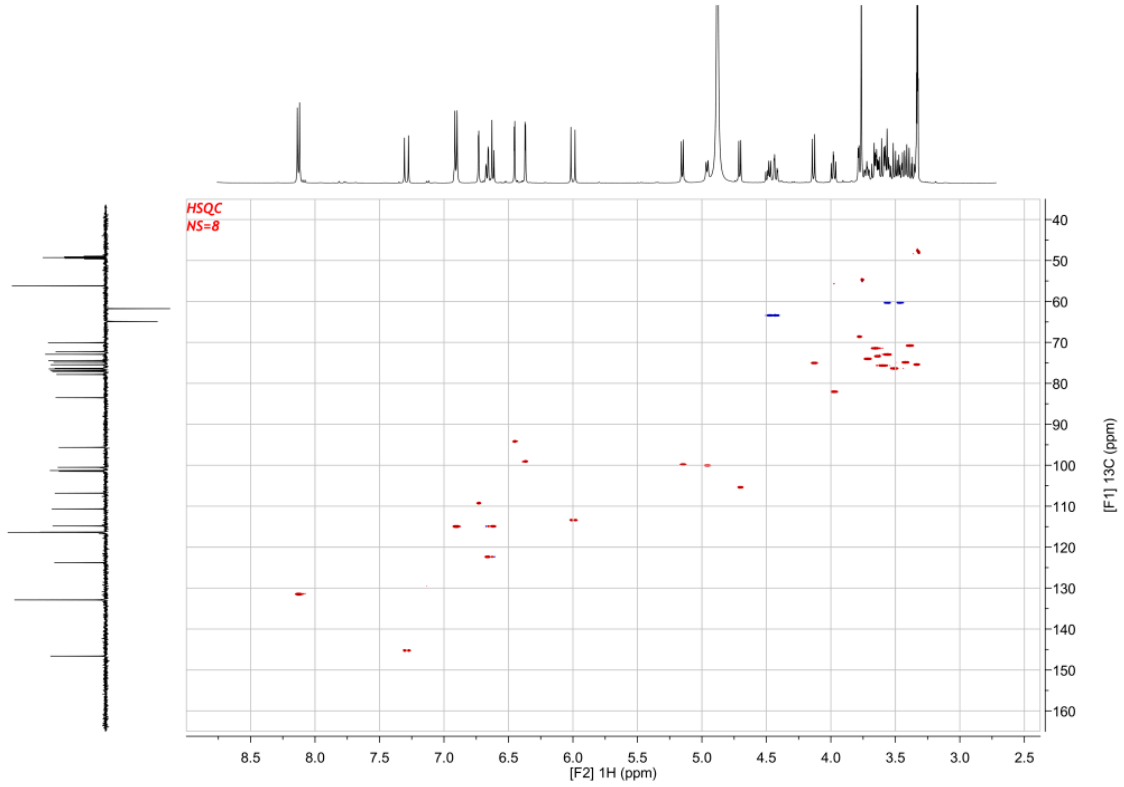


Figure S104. 2D *g*-HSQC-TOCSY NMR spectrum of compound **10** (methanol-d_4, 500.18 MHz, 125.77 MHz).

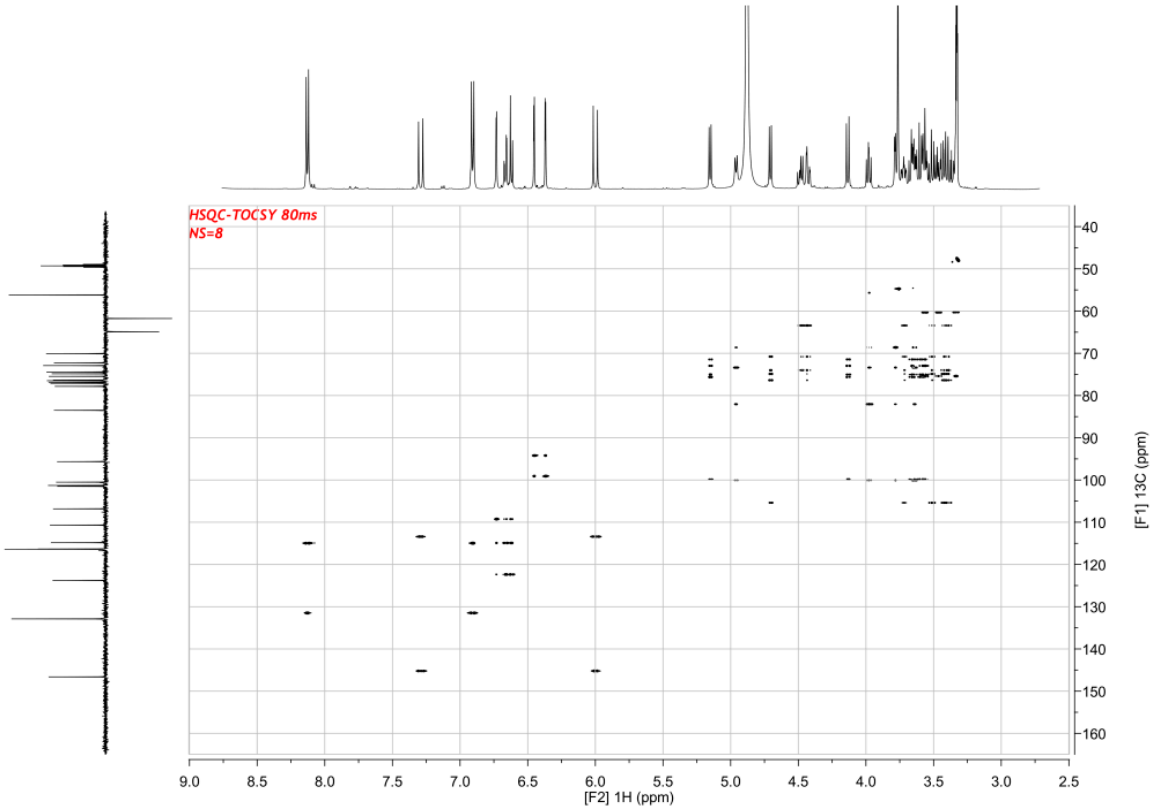


Figure S105. 2D *g*-HMBC-NMR spectrum of compound **10** (methanol-d_4, 500.18 MHz, 125.77 MHz).

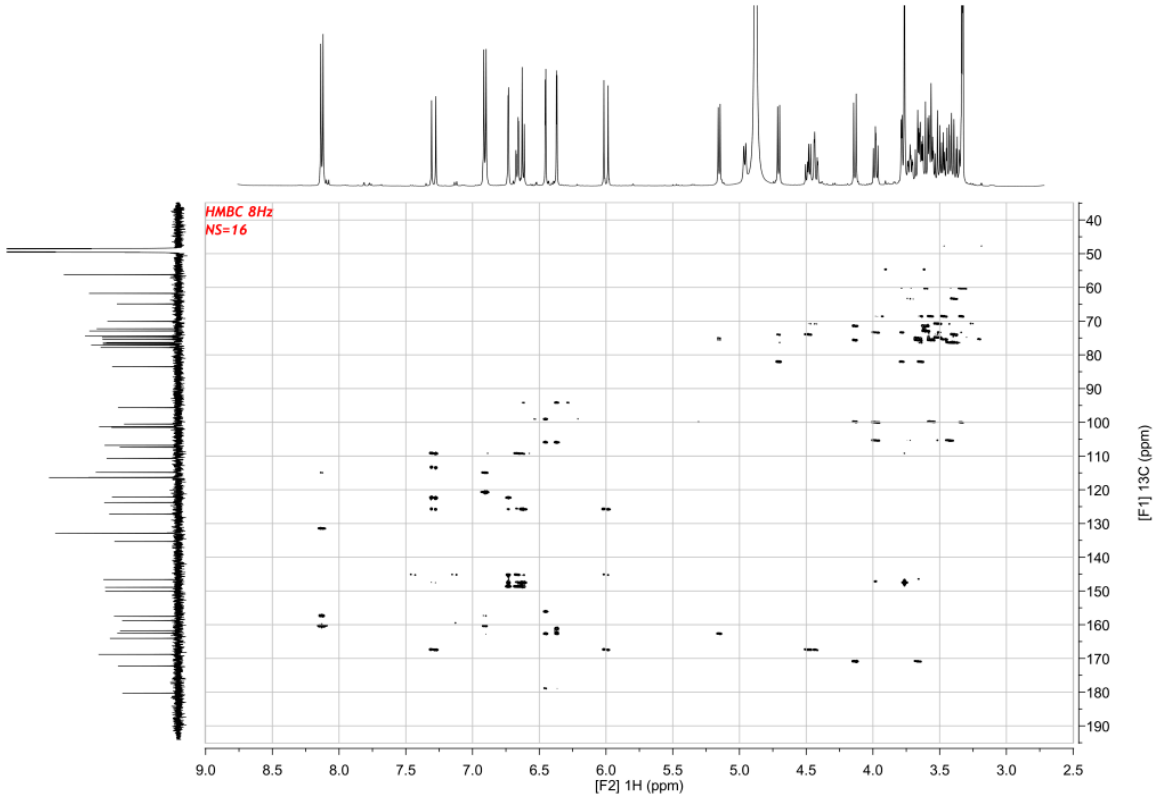


Figure S106. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **10** (methanol-d_4, 500.18 MHz).

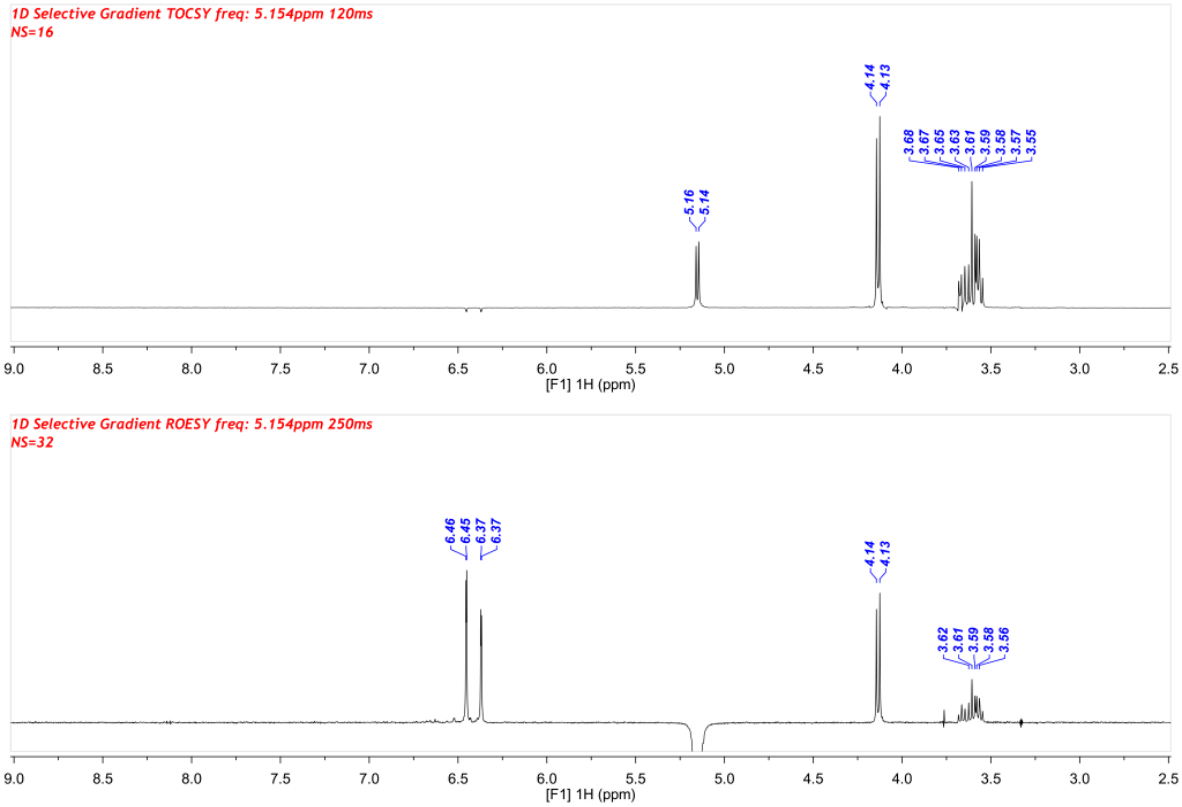


Figure S107. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **10** (methanol-d_4, 500.18 MHz).

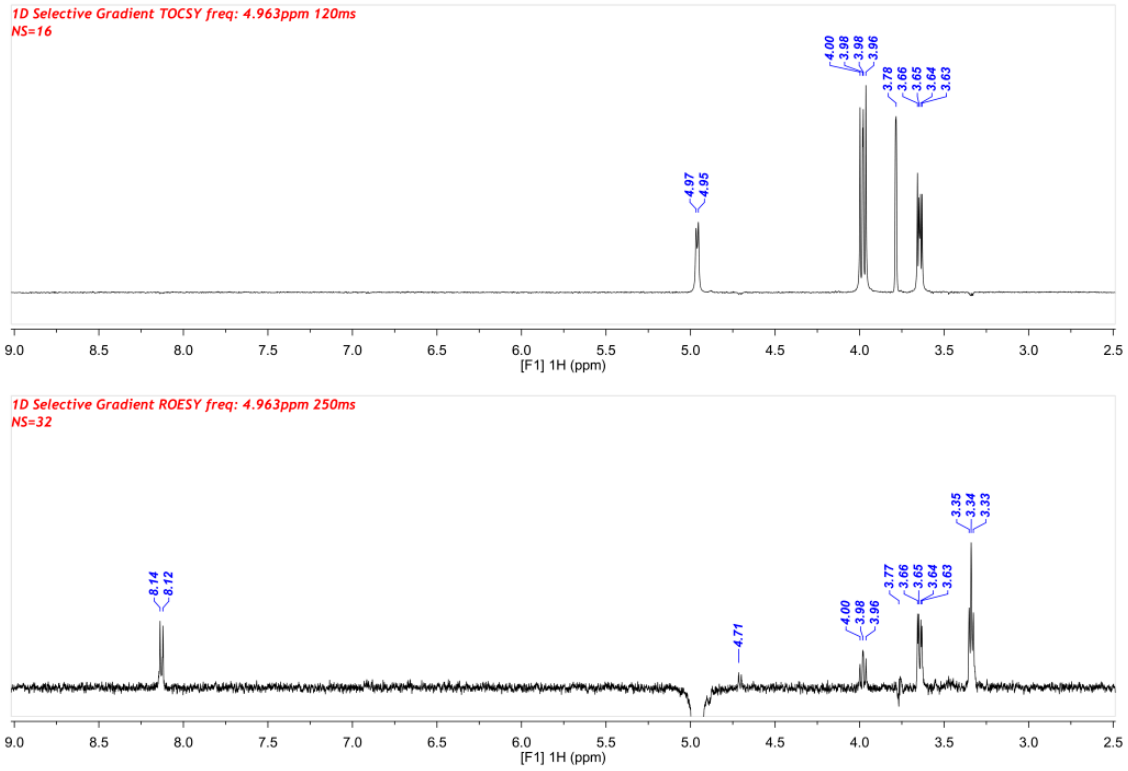
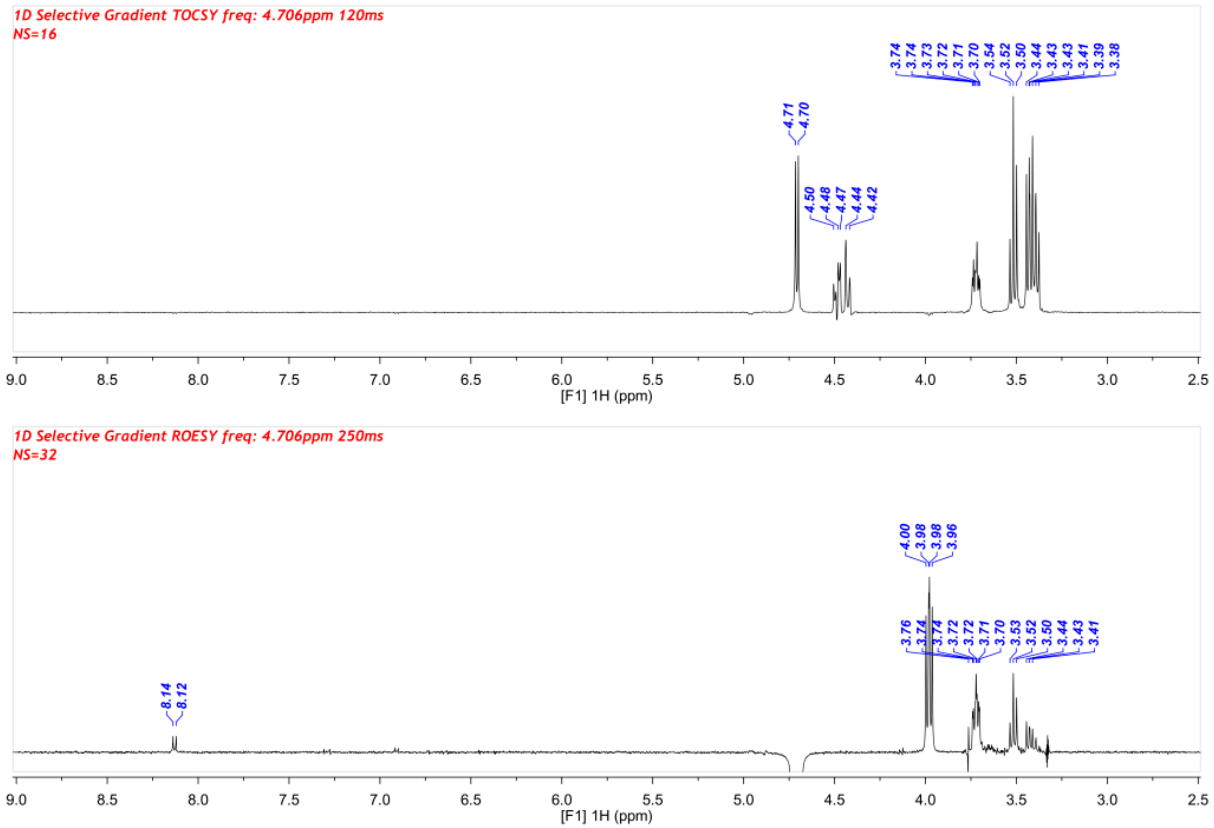


Figure S108. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **10** (methanol-d_4, 500.18 MHz).



Compound 11

Figure S109. 1D ^{1}H-NMR spectrum of compound **11** (methanol-d_4, 500.18 MHz).

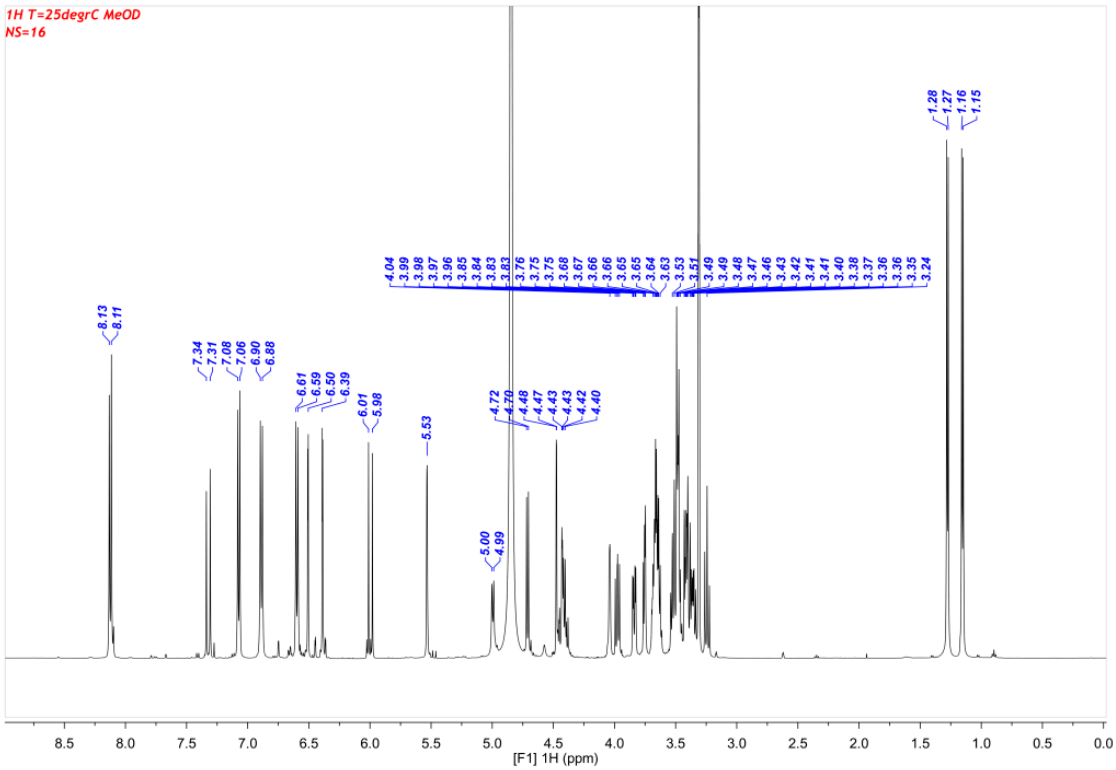


Figure S110. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **11** (methanol-d_4, 125.77 MHz).

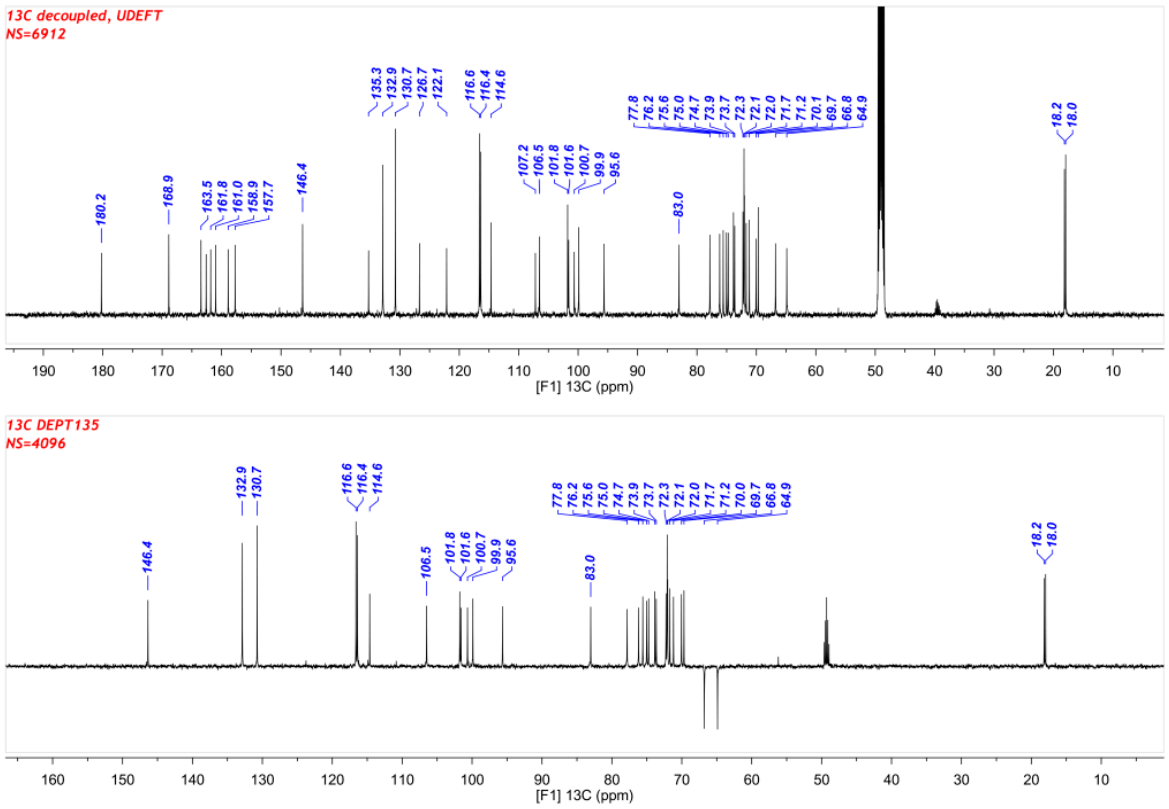


Figure S111. 2D *g*-COSY NMR spectrum of compound **11** (methanol-d_4, 500.18 MHz).

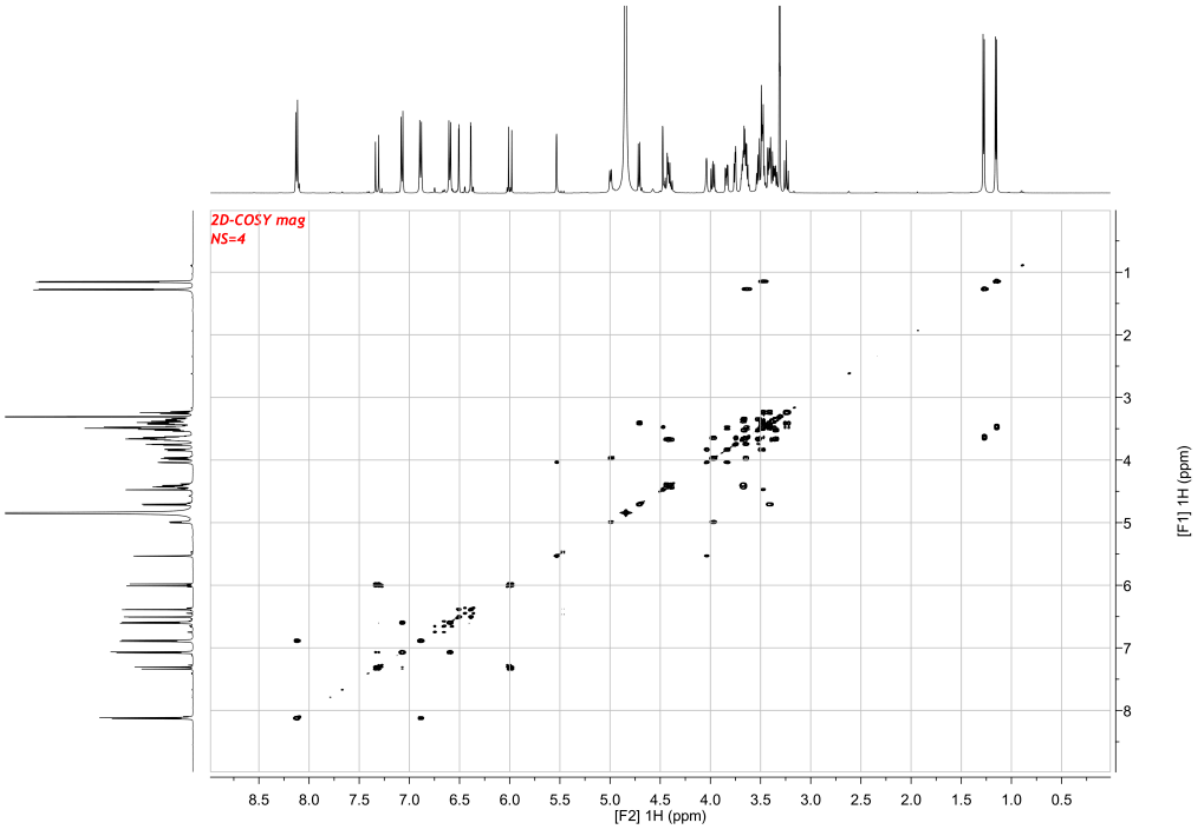


Figure S112. 2D TOCSY NMR spectrum of compound **11** (methanol-d_4, 500.18 MHz).

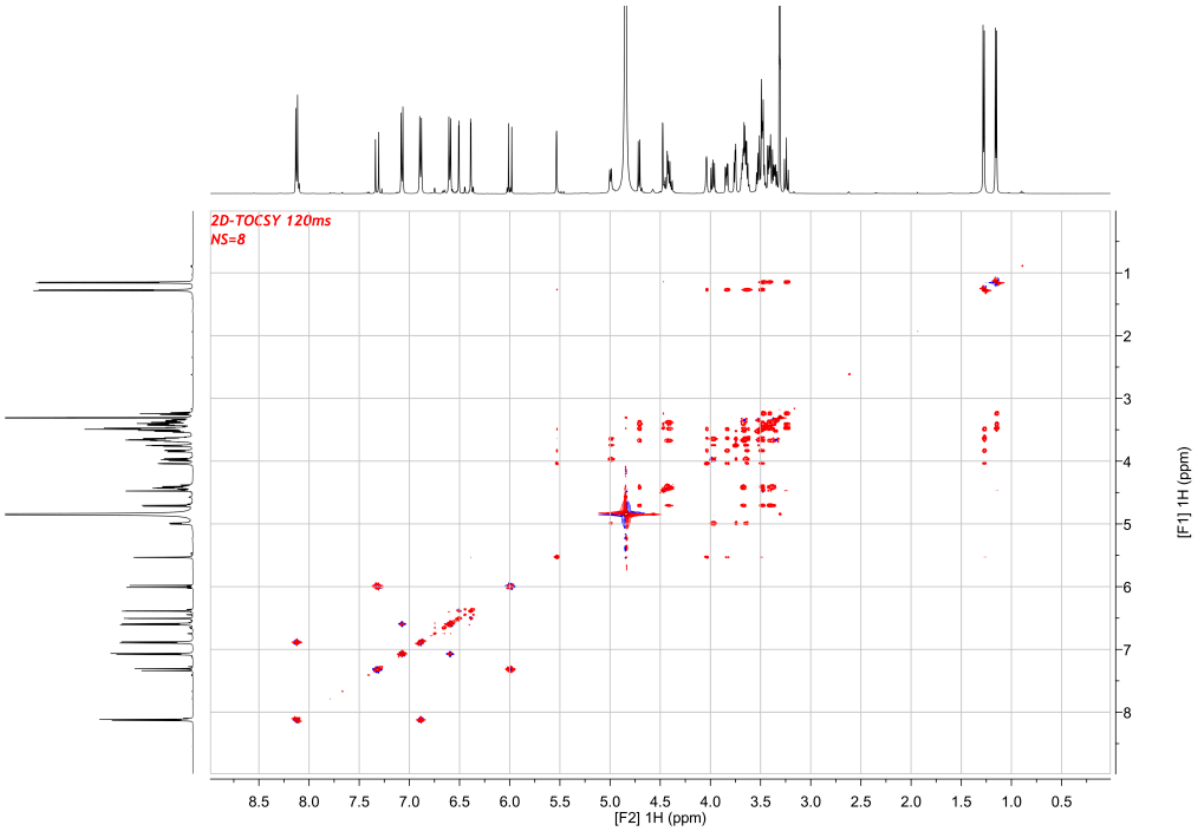


Figure S113. 2D ROESY NMR spectrum of compound **11** (methanol-d_4, 500.18 MHz).

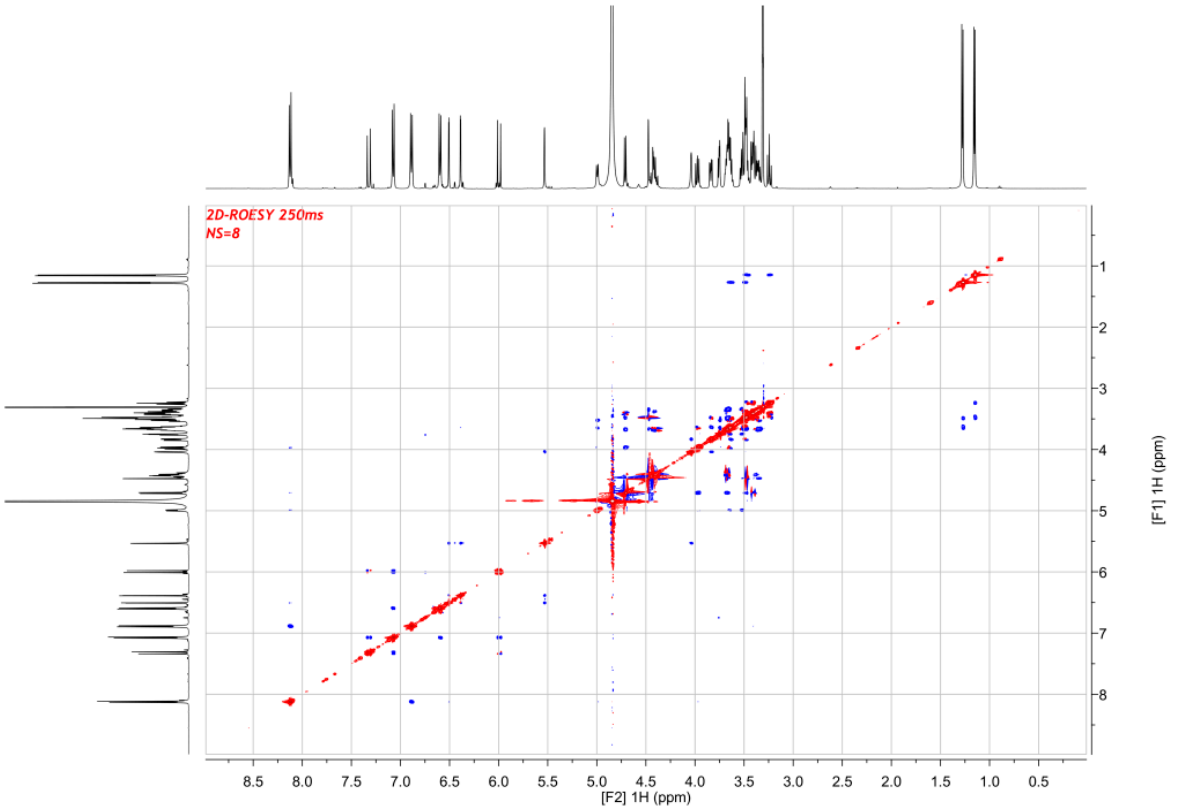


Figure S114. 2D *g*-HSQC-NMR spectrum of compound **11** (methanol-d_4, 500.18 MHz, 125.77 MHz).

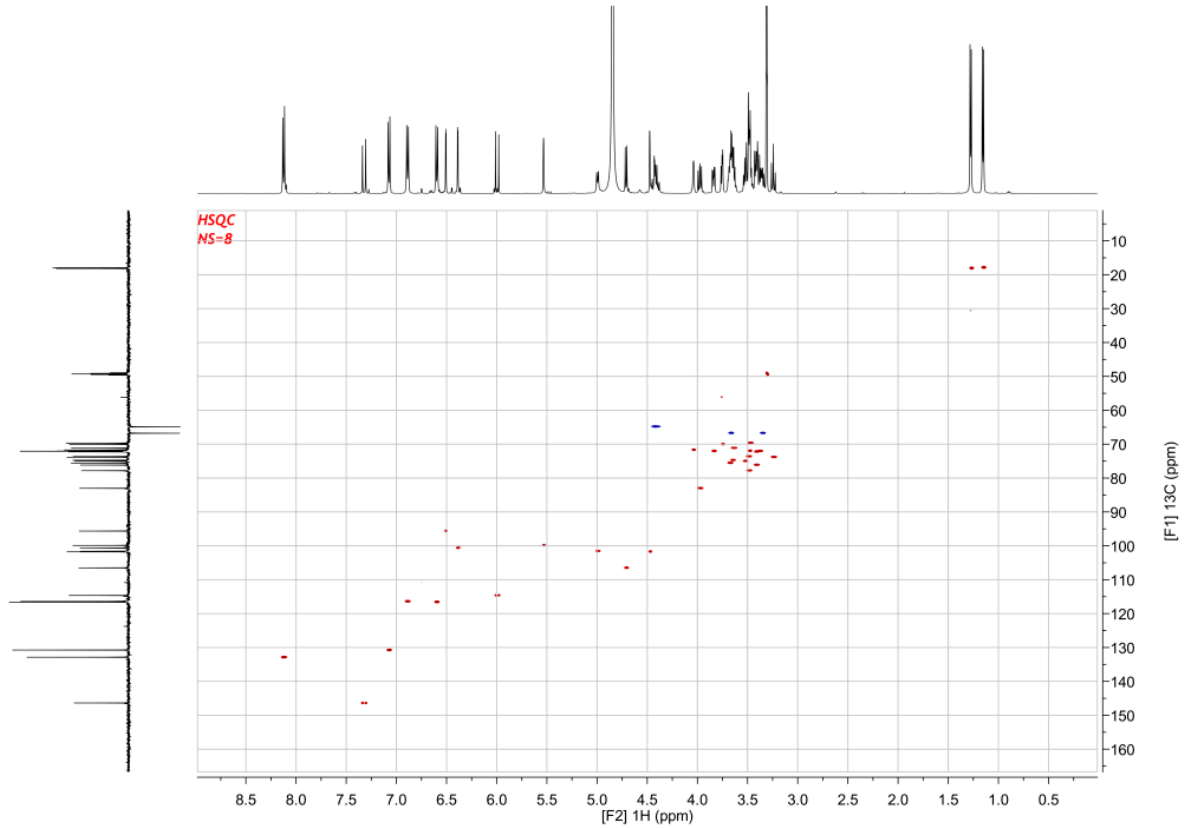


Figure S115. 2D *g*-HSQC-TOCSY NMR spectrum of compound **11** (methanol-d_4, 500.18 MHz, 125.77 MHz).

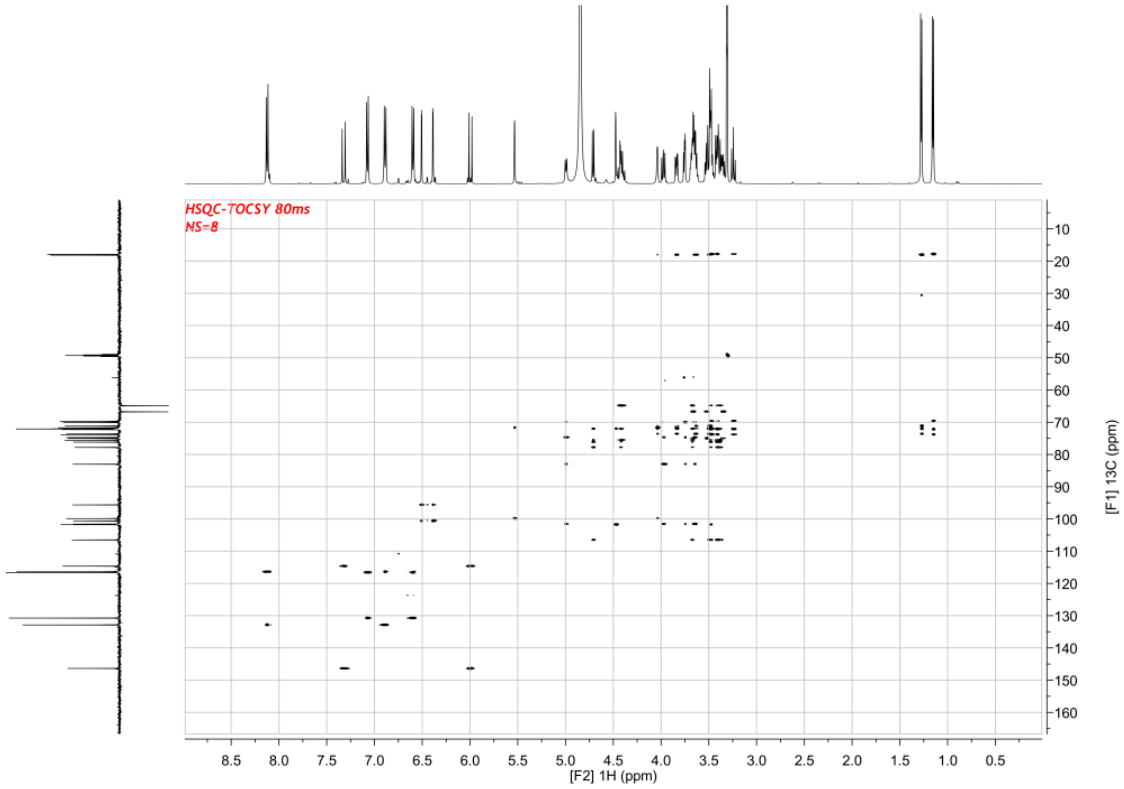


Figure S116. 2D *g*-HMBC-NMR spectrum of compound **11** (methanol-d_4, 500.18 MHz, 125.77 MHz).

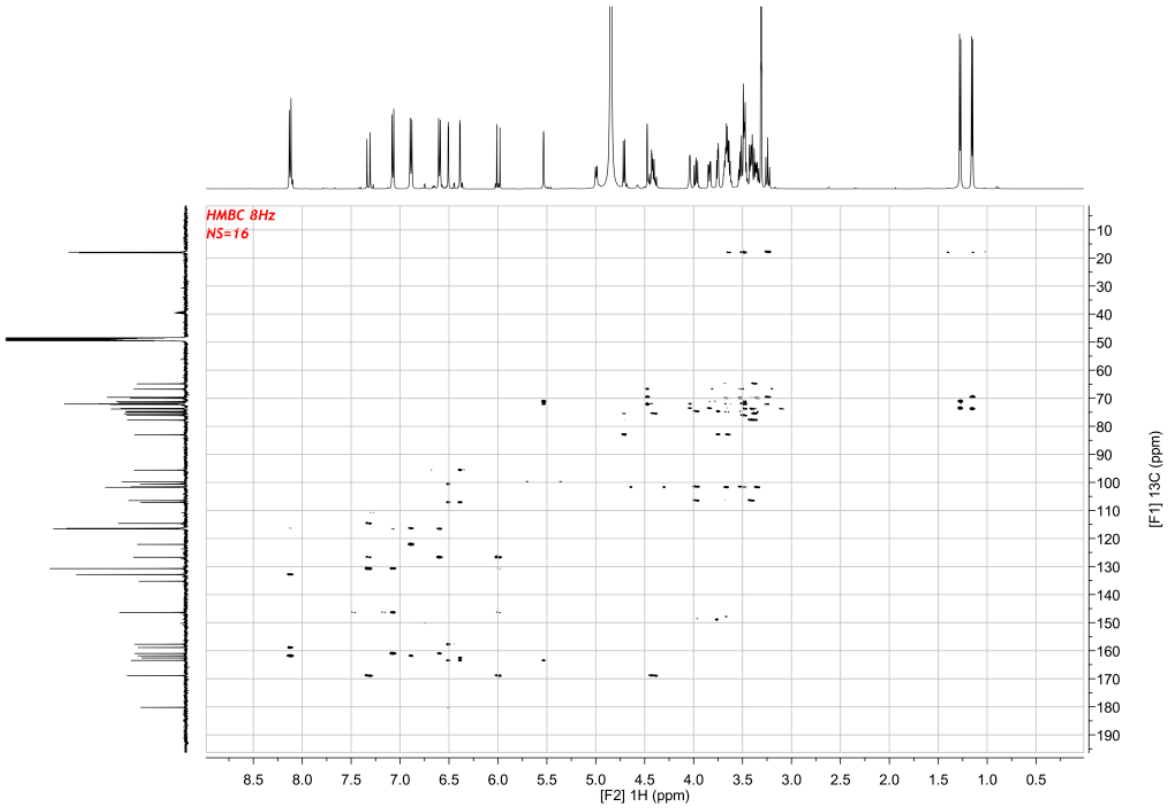


Figure S117. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\alpha\text{-Rha})}$ and H-6$_{(7\text{-}O\text{-}\alpha\text{-Rha})}$ in compound **11** (methanol-d_4, 500.18 MHz).

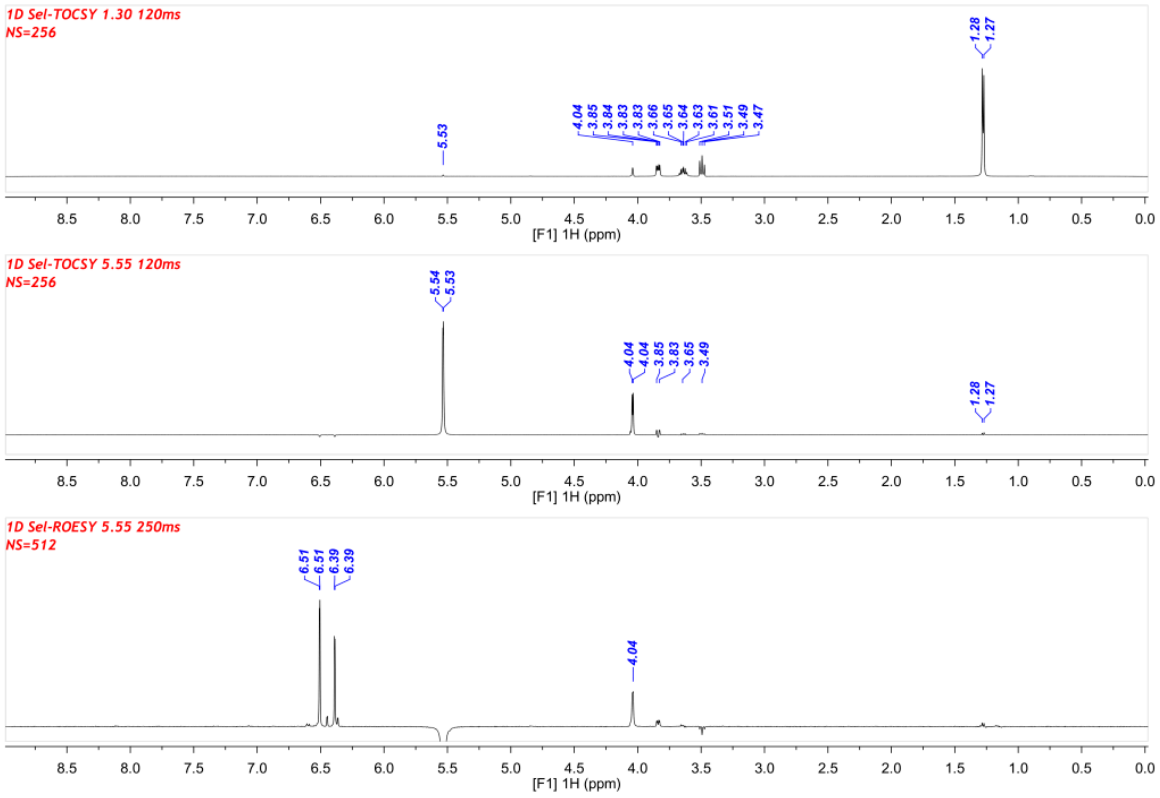


Figure S118. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **11** (methanol-d_4, 500.18 MHz).

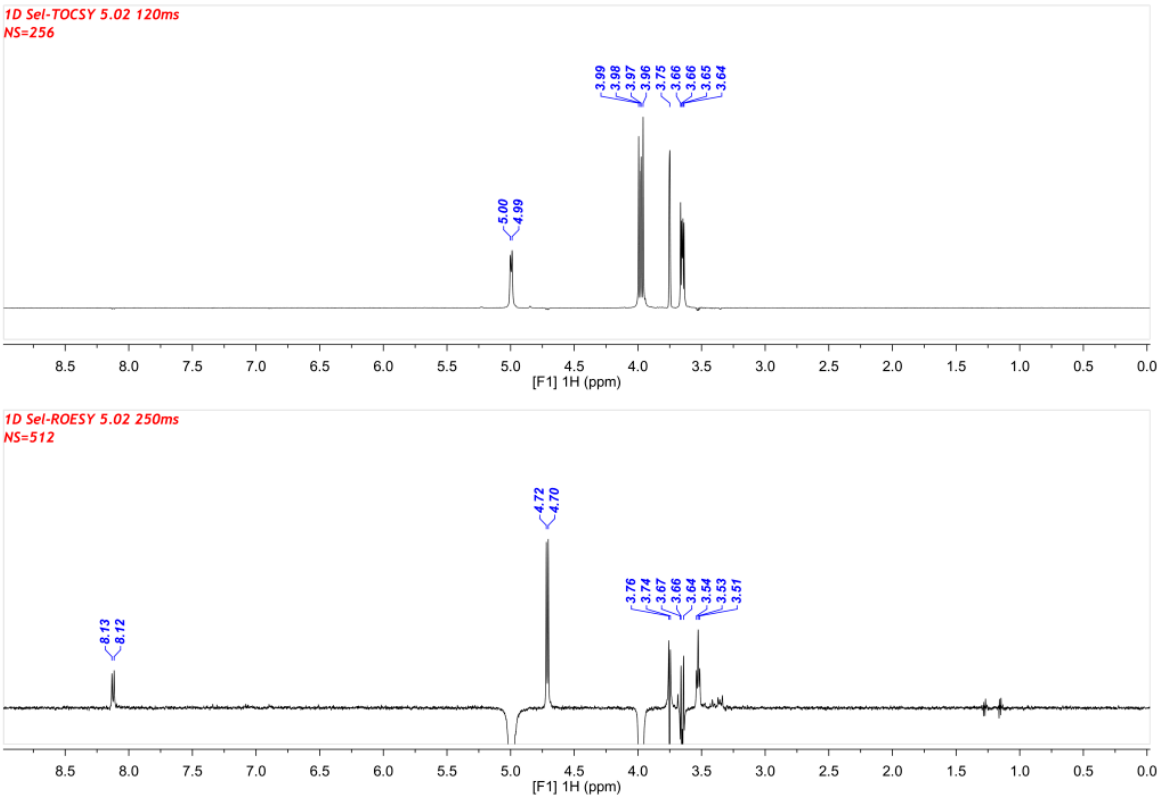


Figure S119. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **11** (methanol-d_4, 500.18 MHz).

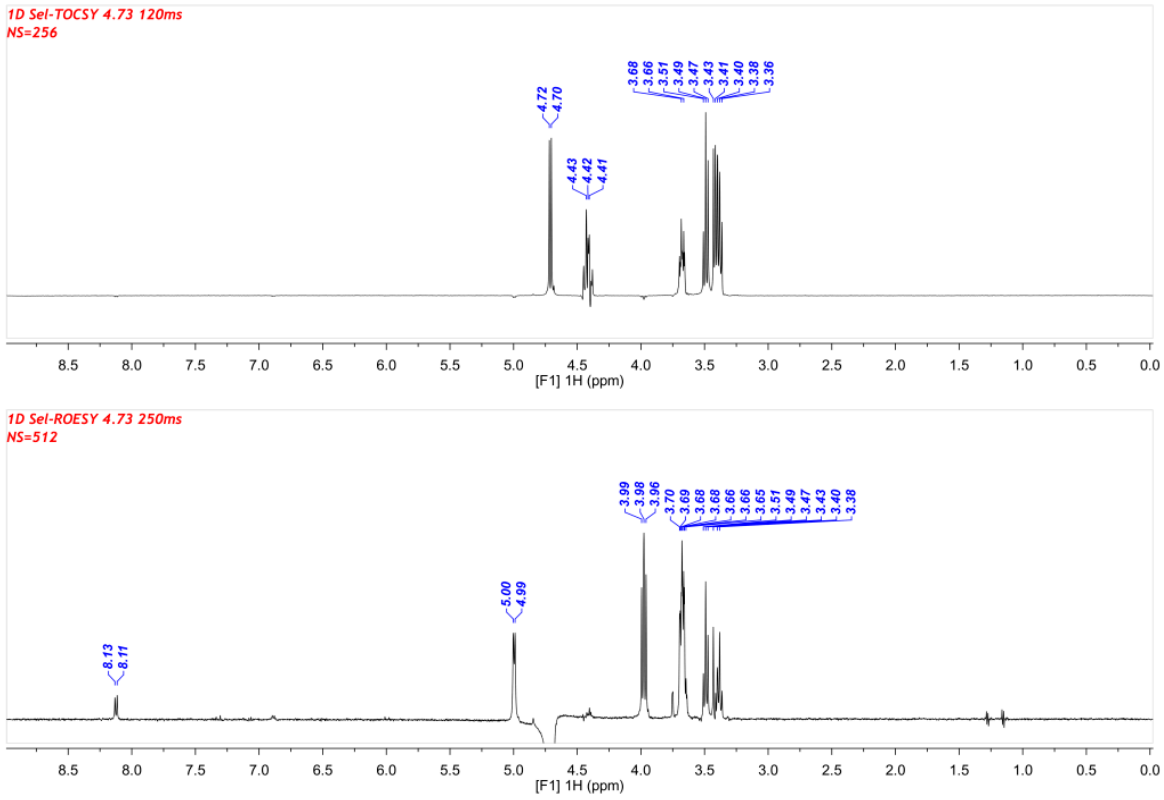
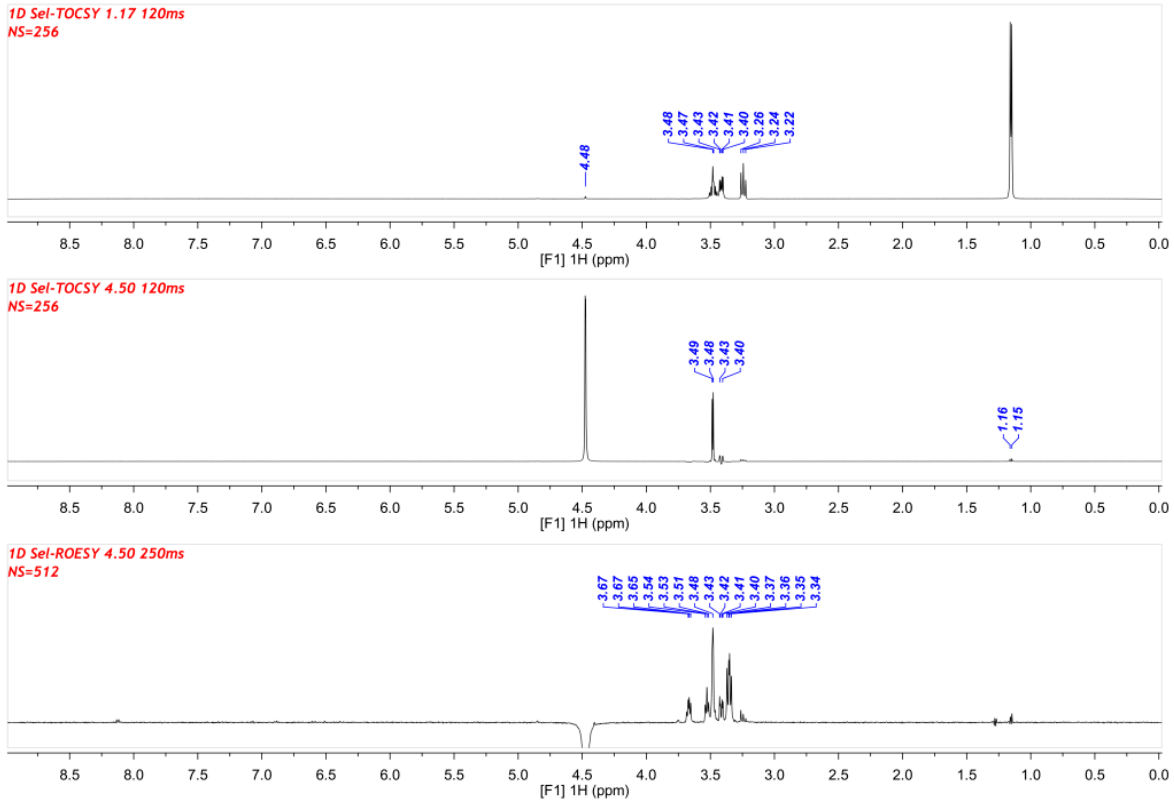


Figure S120. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(6^{Gal}\text{-}O\text{-}\alpha\text{-Rha})}$ and H-6$_{(6^{Gal}\text{-}O\text{-}\alpha\text{-Rha})}$ in compound **11** (methanol-d_4, 500.18 MHz).



Compound 12

Figure S121. 1D ^{1}H-NMR spectrum of compound **12** (methanol-d_4, 500.18 MHz).

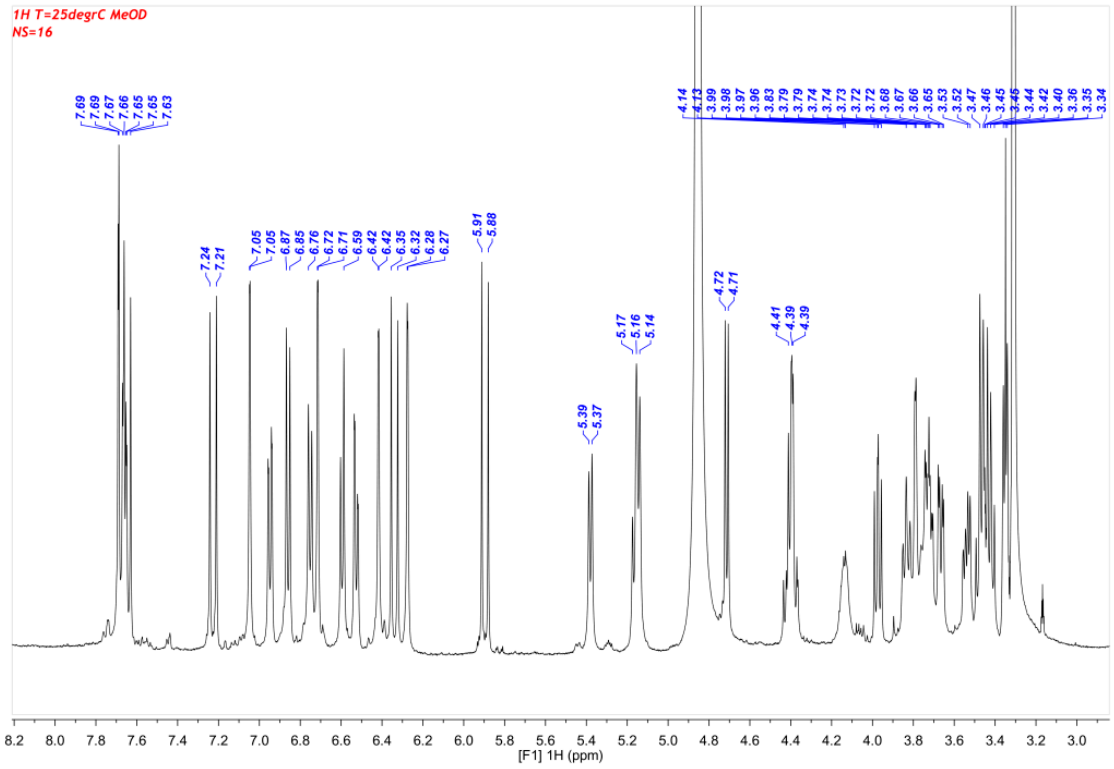


Figure S122. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **12** (methanol-d_4, 125.77 MHz).

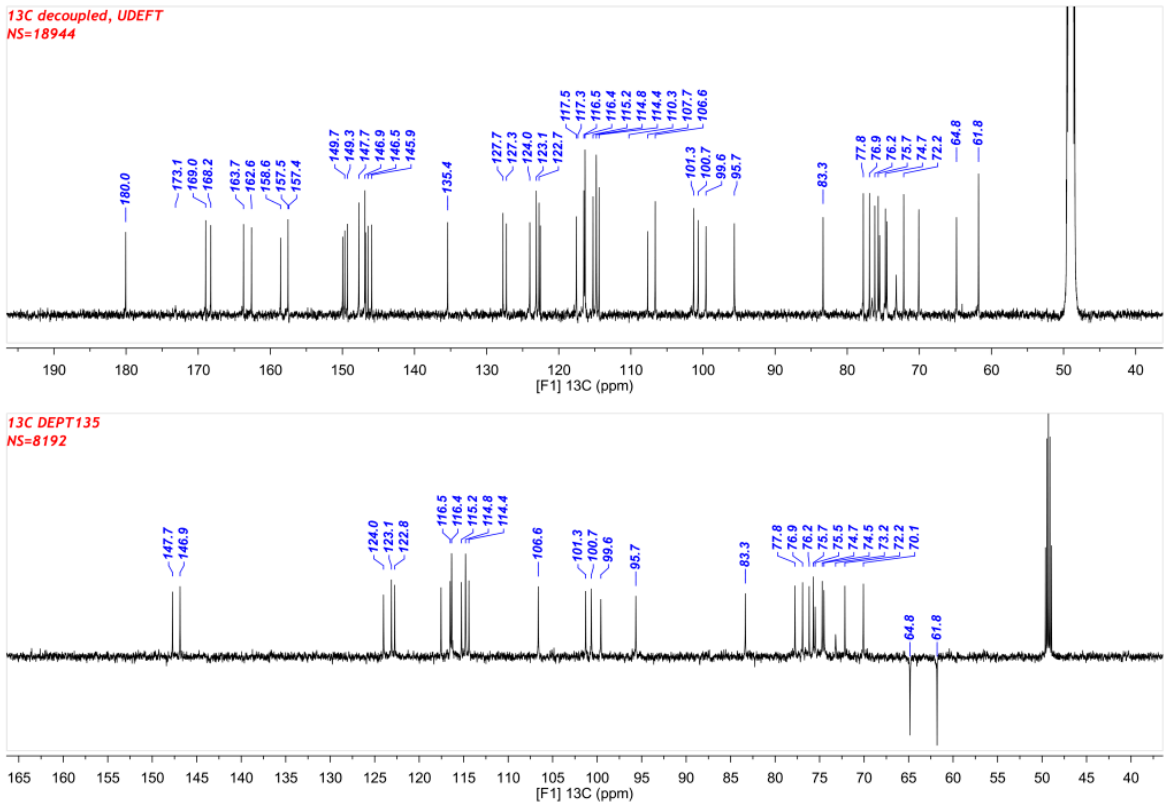


Figure S123. 2D *g*-COSY NMR spectrum of compound **12** (methanol-d_4, 500.18 MHz).

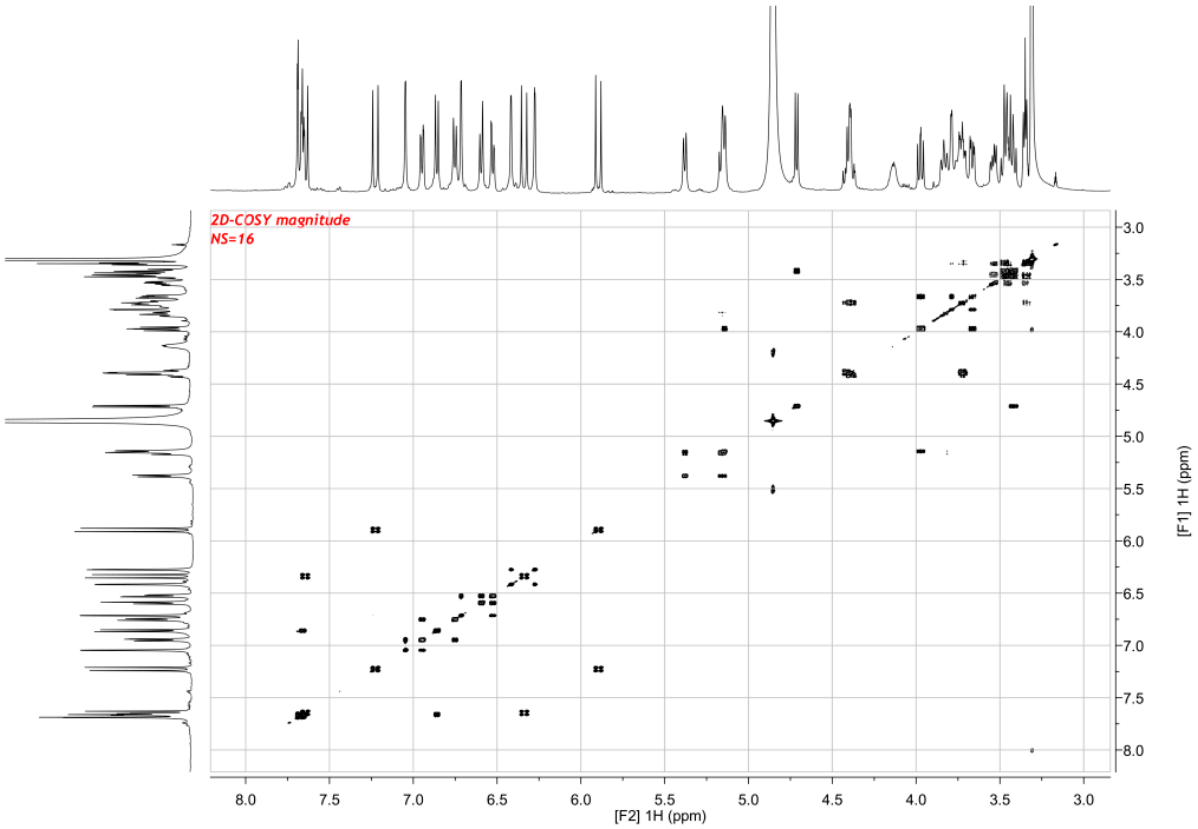


Figure S124. 2D TOCSY NMR spectrum of compound **12** (methanol-d_4, 500.18 MHz).

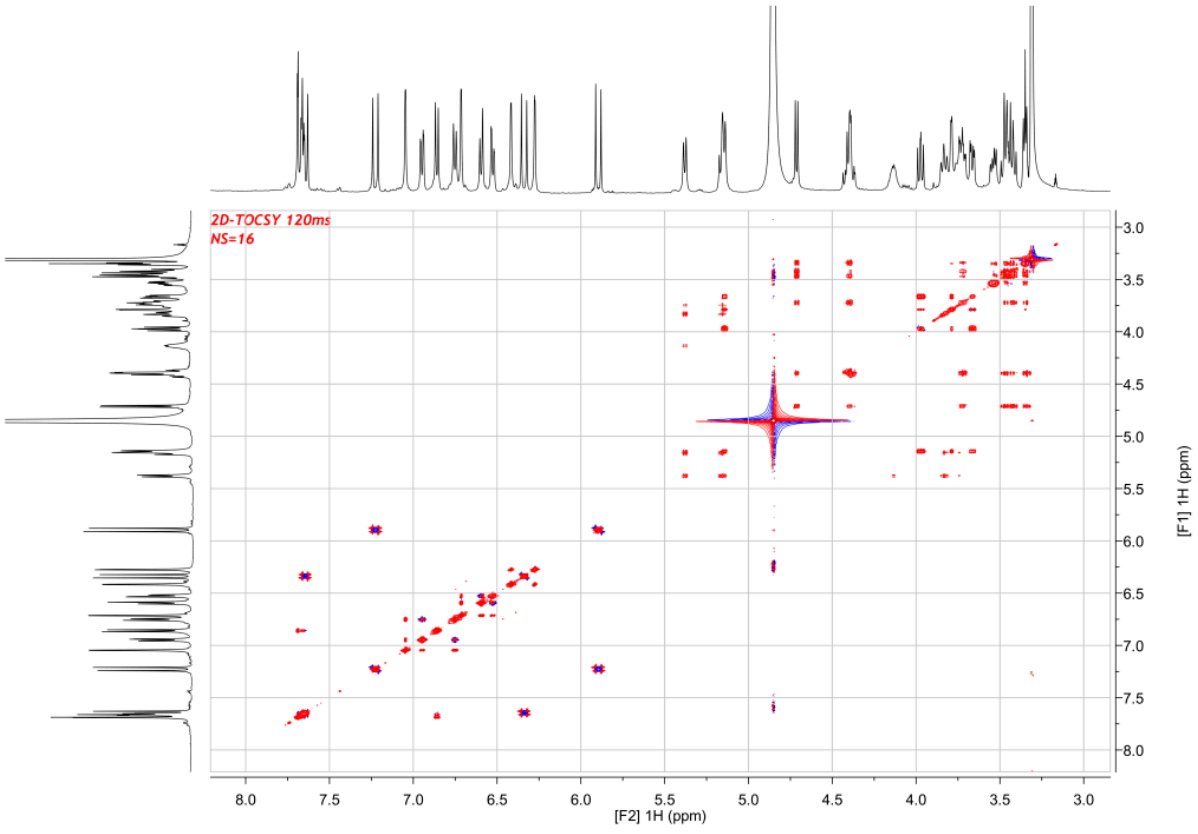


Figure S125. 2D ROESY NMR spectrum of compound **12** (methanol-d_4, 500.18 MHz).

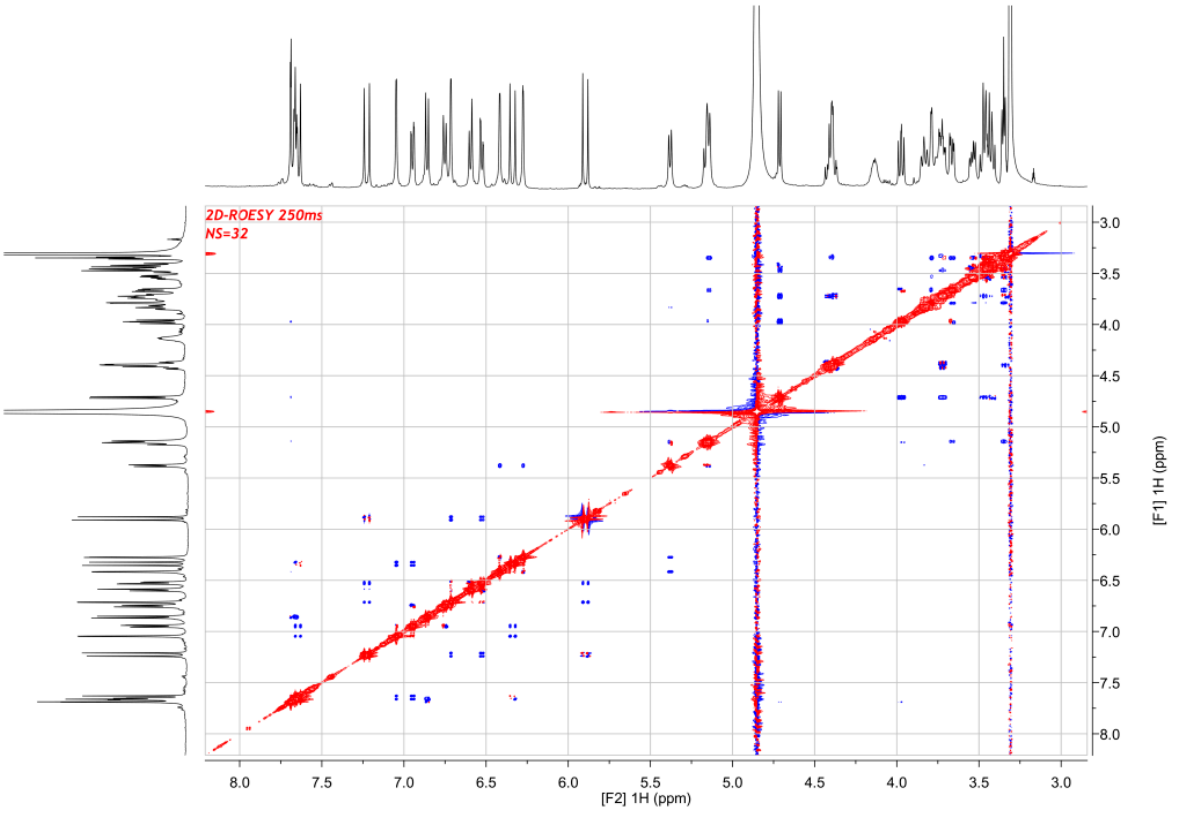


Figure S126. 2D *g*-HSQC-NMR spectrum of compound **12** (methanol-d_4, 500.18 MHz, 125.77 MHz).

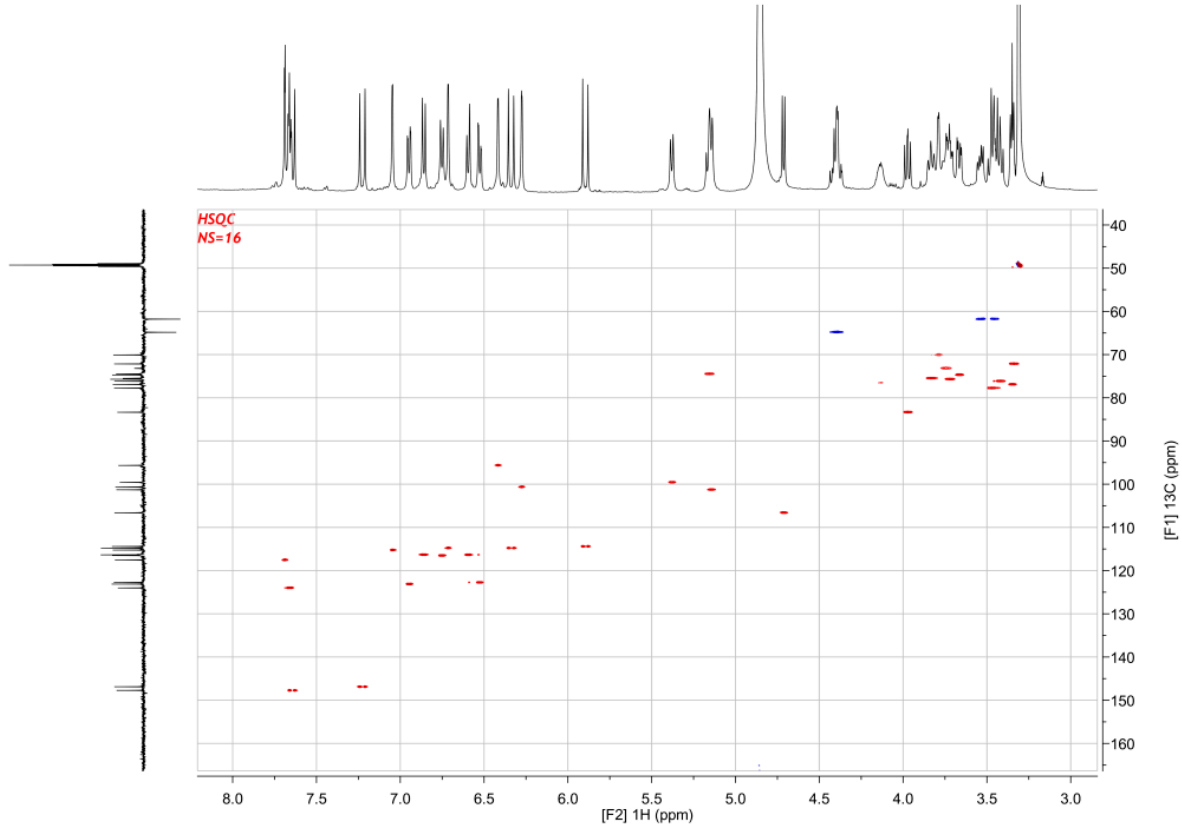


Figure S127. 2D *g*-HSQC-TOCSY NMR spectrum of compound **12** (methanol-d_4, 500.18 MHz, 125.77 MHz).

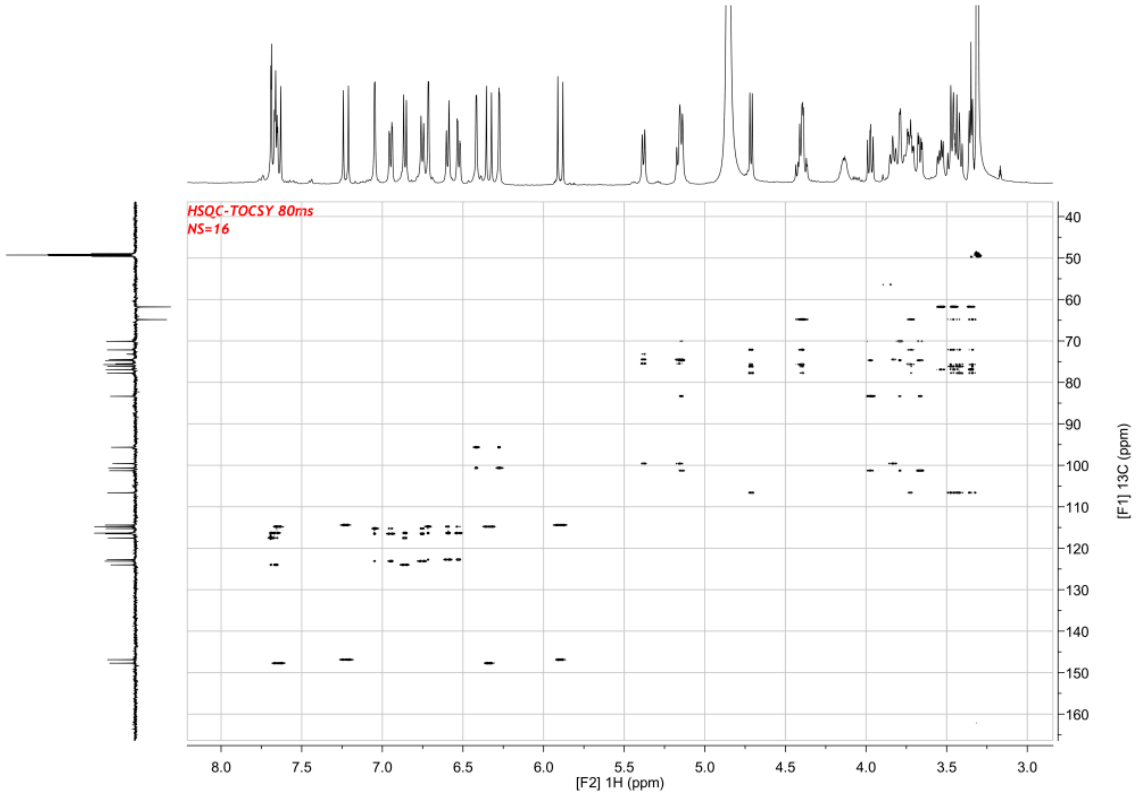


Figure S128. 2D *g*-HMBC-NMR spectrum of compound **12** (methanol-d_4, 500.18 MHz, 125.77 MHz).

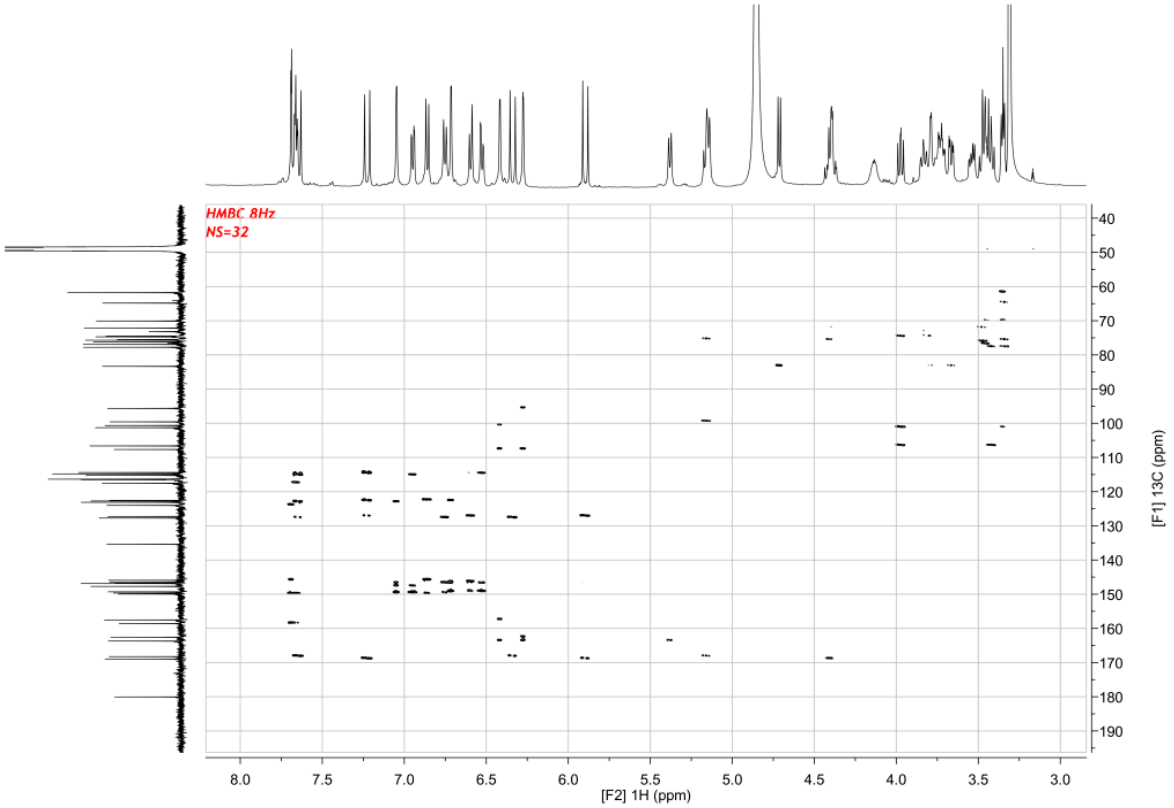


Figure S129. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **12** (methanol-d_4, 500.18 MHz).

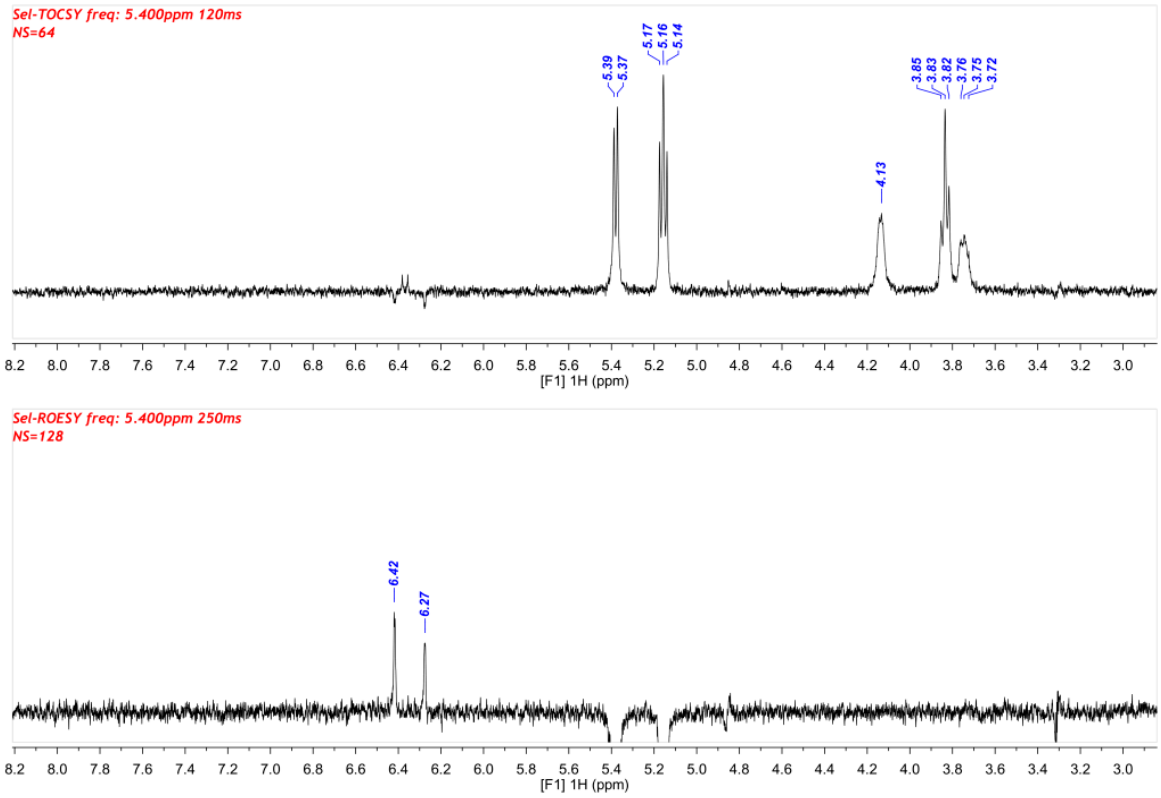


Figure S130. 1D TOCSY NMR subspectrum of H-2$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **12** (methanol-d_4, 500.18 MHz).

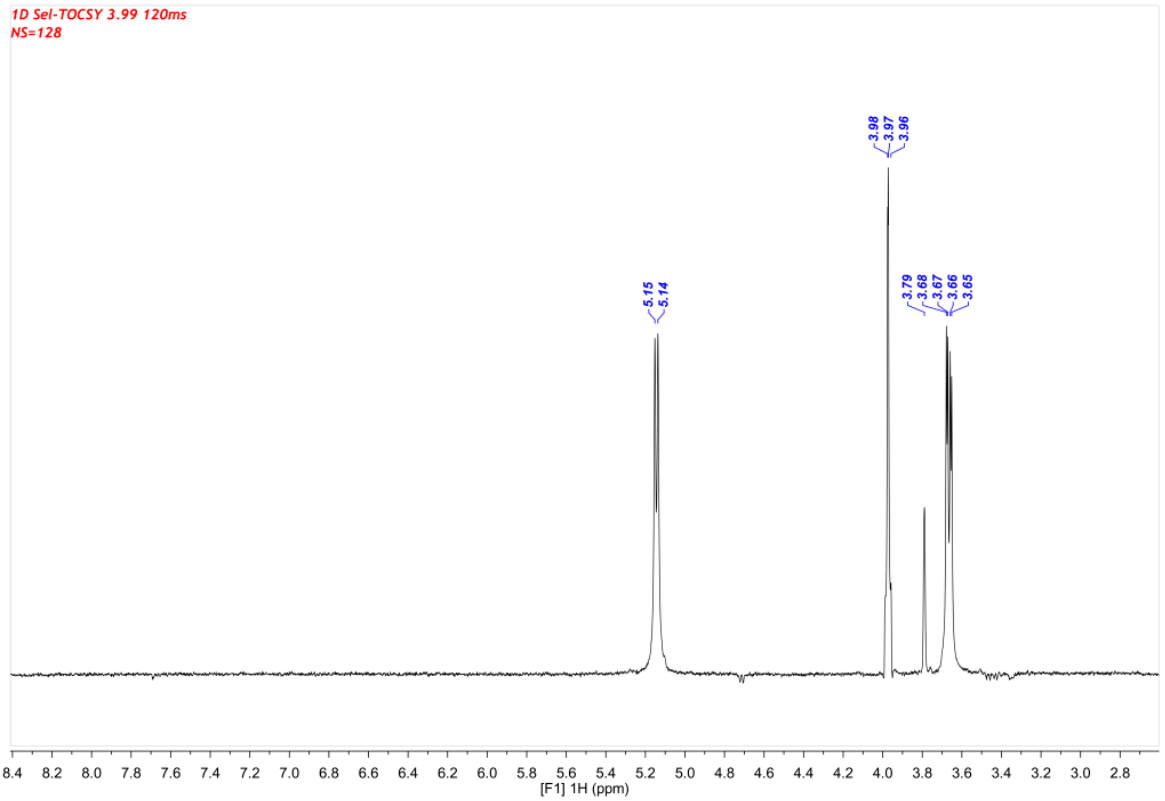
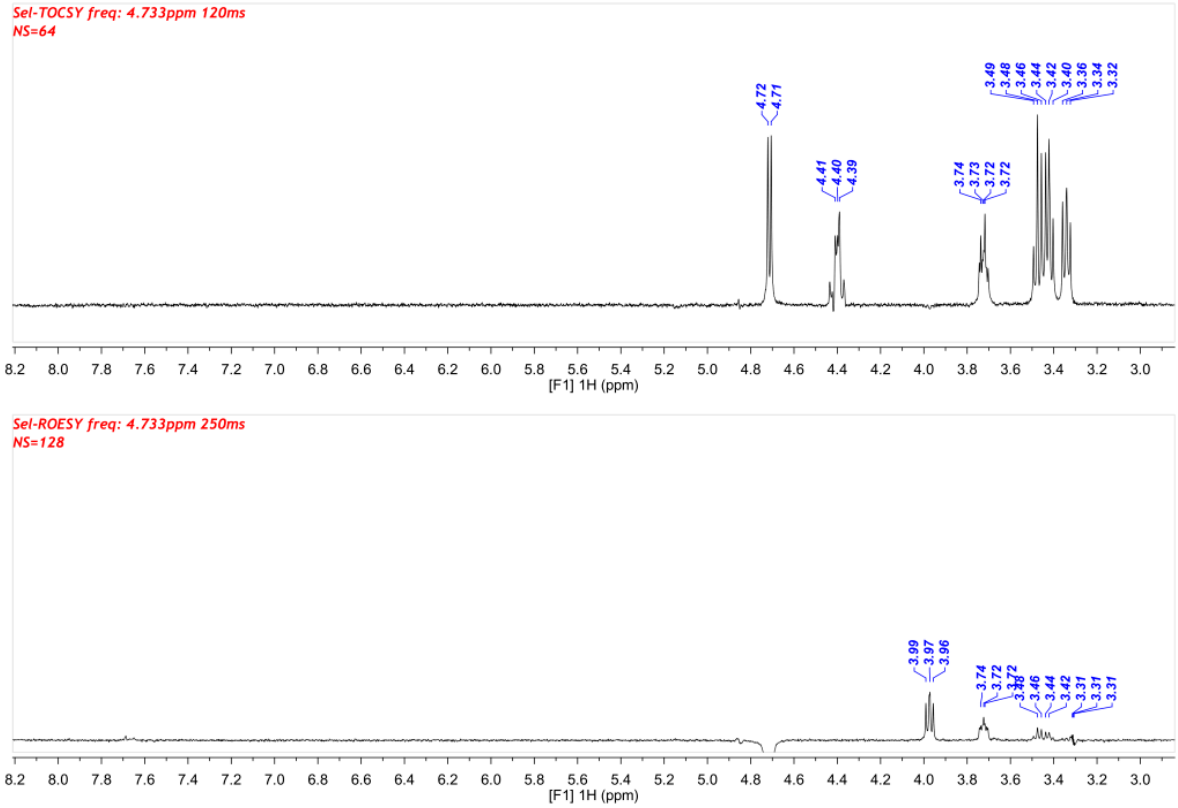


Figure S131. 1D TOCSY and 1D ROESY NMR subspectra of H-1($_{2^{Gal}\text{-}O\text{-}\beta\text{-}Glc}$) in compound **12** (methanol-d_4, 500.18 MHz).



Compound 13

Figure S132. 1D ^{1}H-NMR spectrum of compound **13** (methanol-d_4, 500.18 MHz).

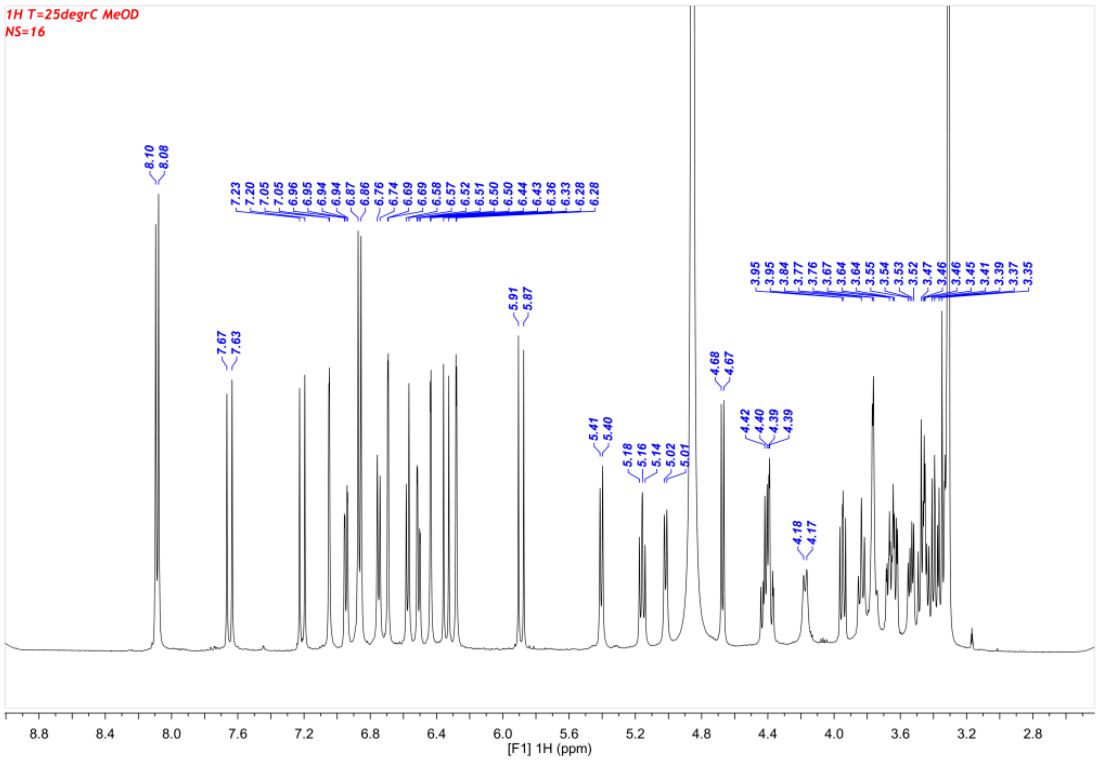


Figure S133. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **13** (methanol-d_4, 125.77 MHz).

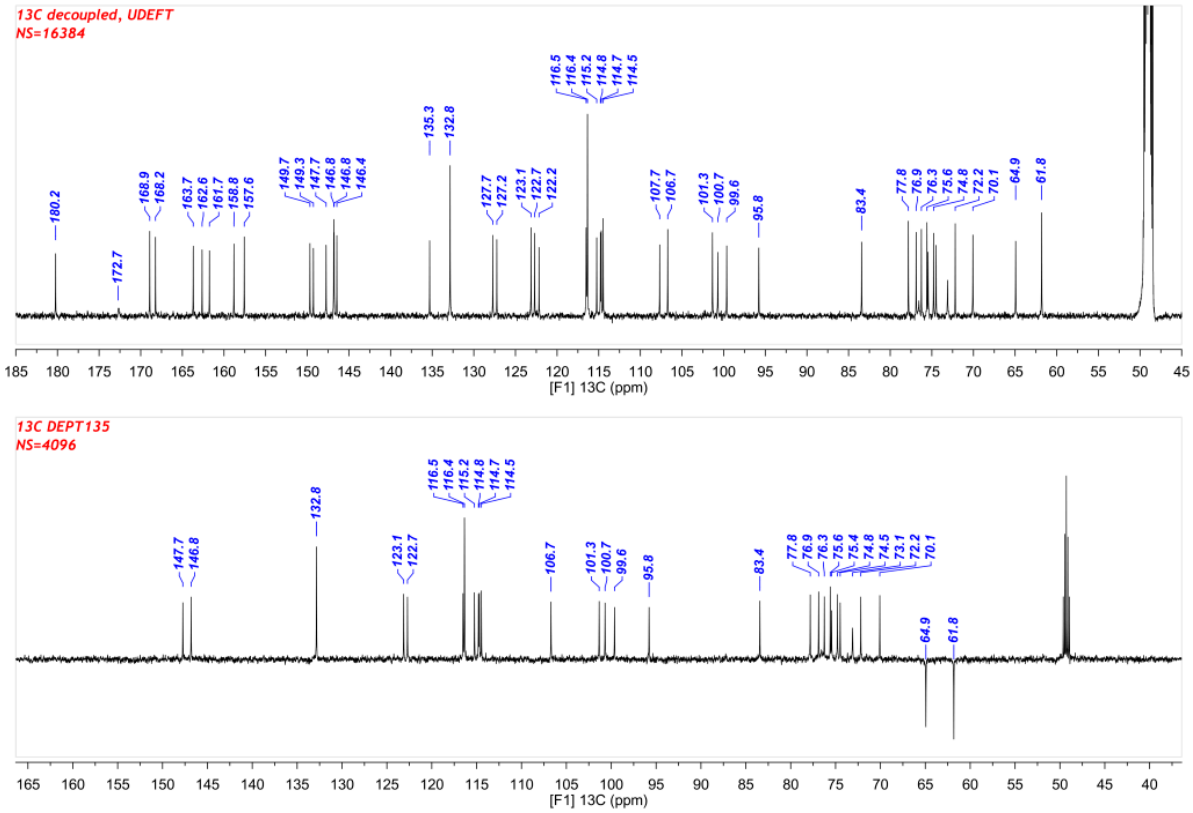


Figure S134. 2D *g*-COSY NMR spectrum of compound **13** (methanol-d_4, 500.18 MHz).

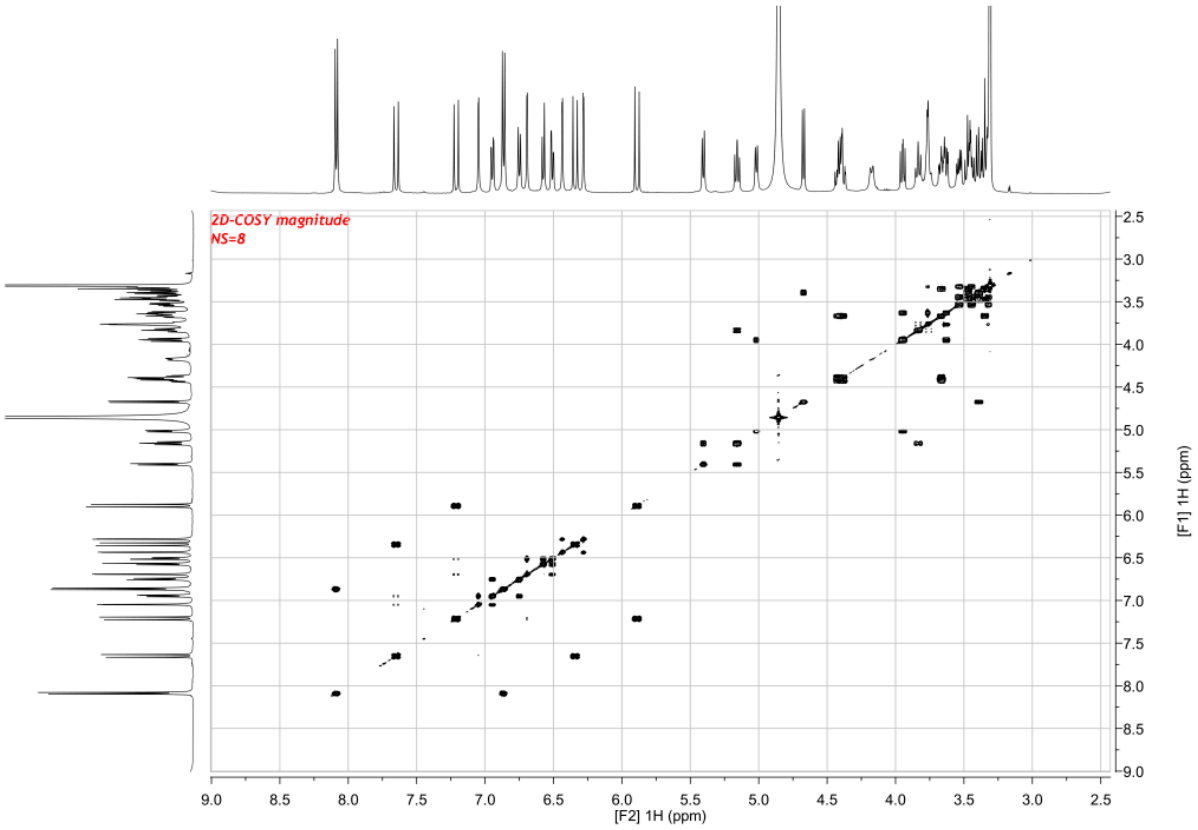


Figure S135. 2D TOCSY NMR spectrum of compound **13** (methanol-d_4, 500.18 MHz).

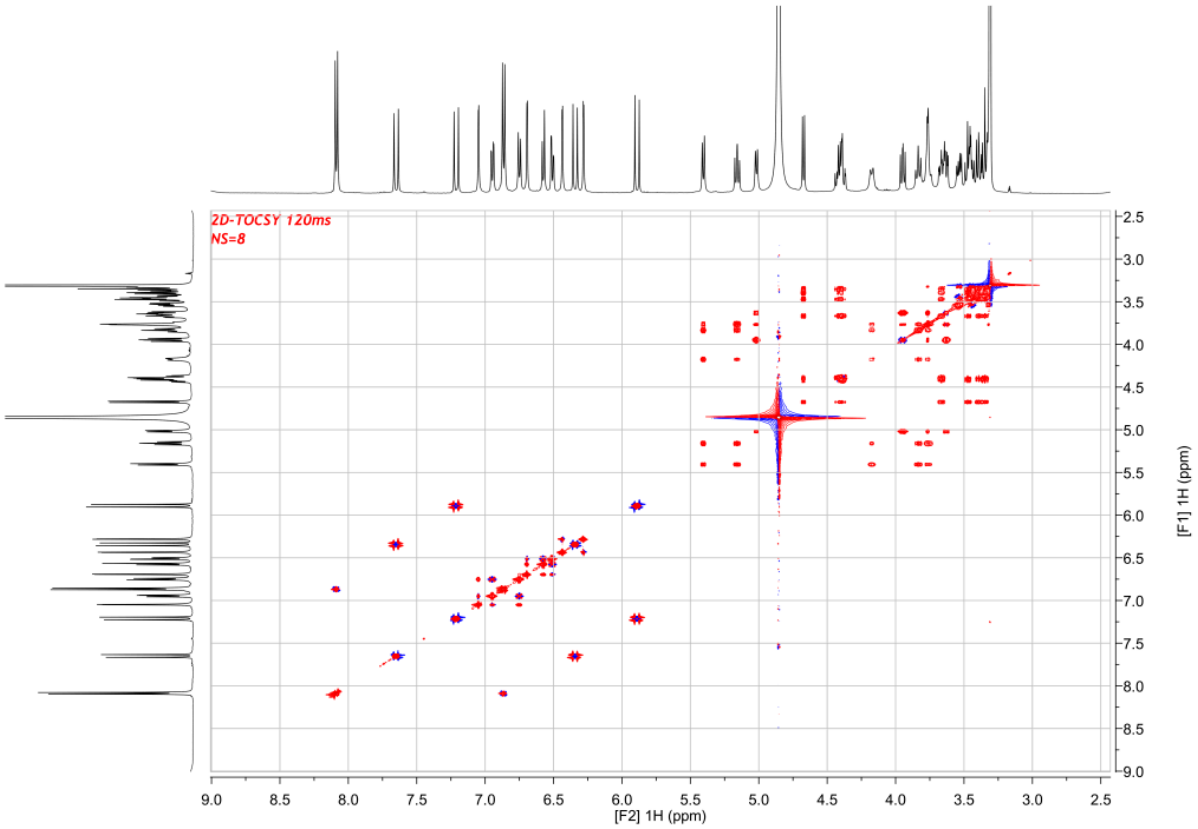


Figure S136. 2D ROESY NMR spectrum of compound **13** (methanol-d_4, 500.18 MHz).

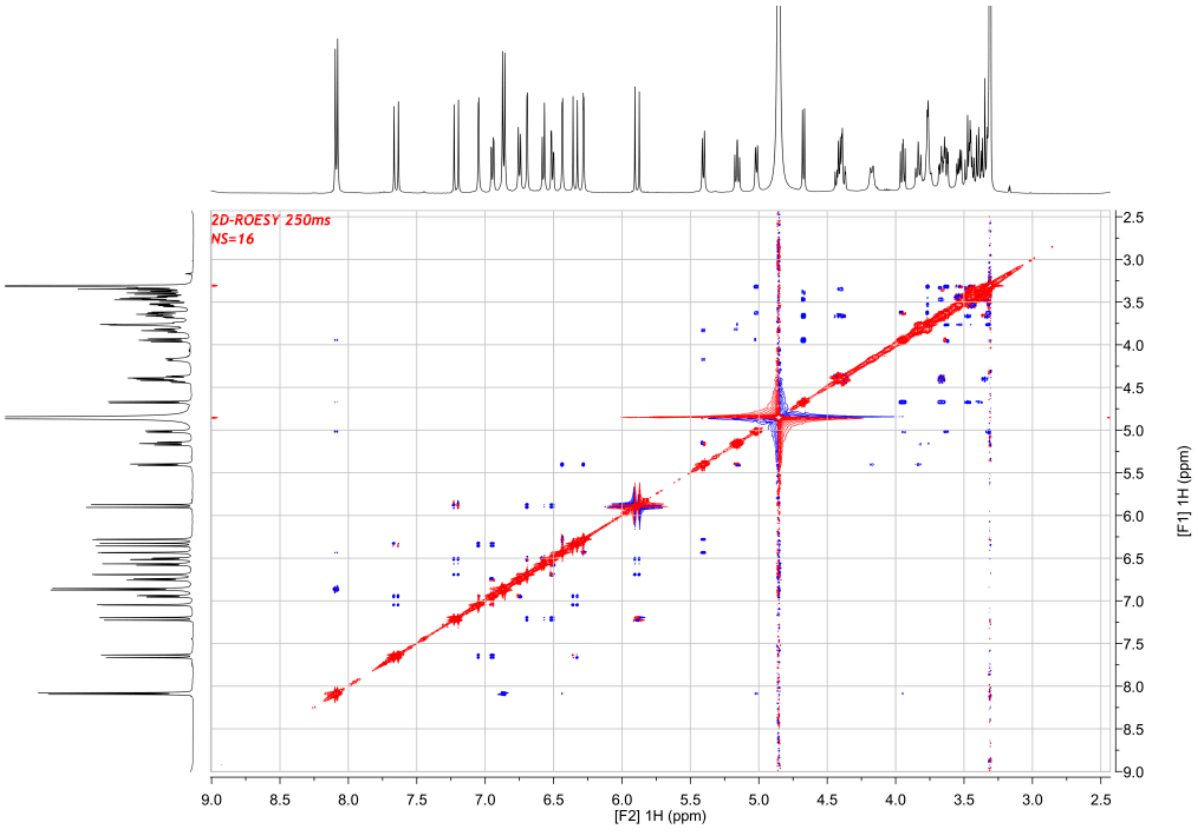


Figure S137. 2D *g*-HSQC-NMR spectrum of compound **13** (methanol-d_4, 500.18 MHz, 125.77 MHz).

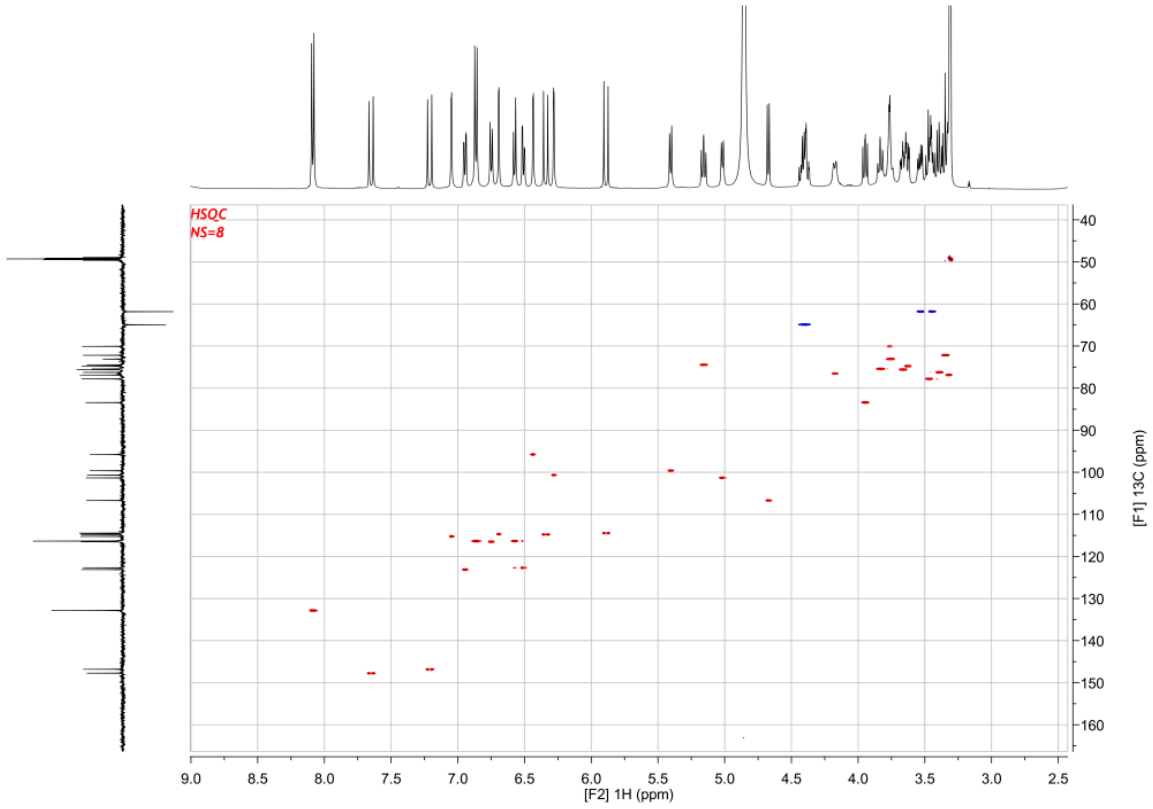


Figure S138. 2D *g*-HSQC-TOCSY NMR spectrum of compound **13** (methanol-d_4, 500.18 MHz, 125.77 MHz).

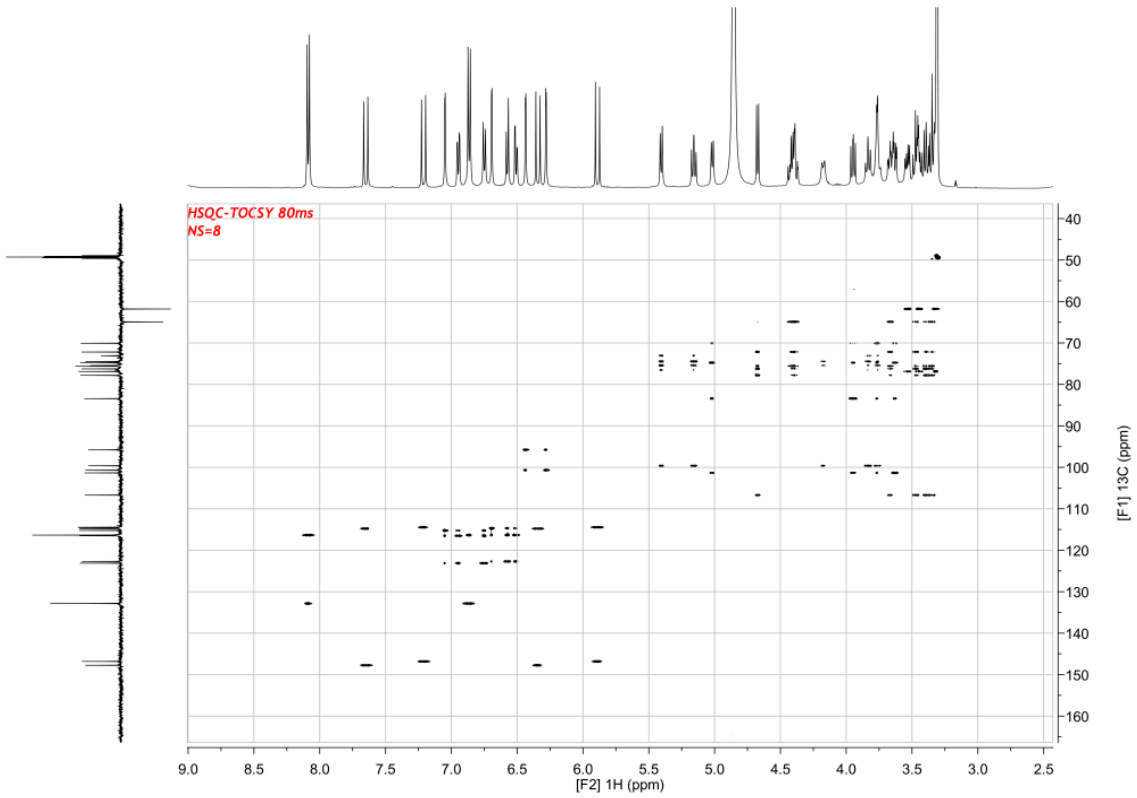


Figure S139. 2D *g*-HMBC-NMR spectrum of compound **13** (methanol-d_4, 500.18 MHz, 125.77 MHz).

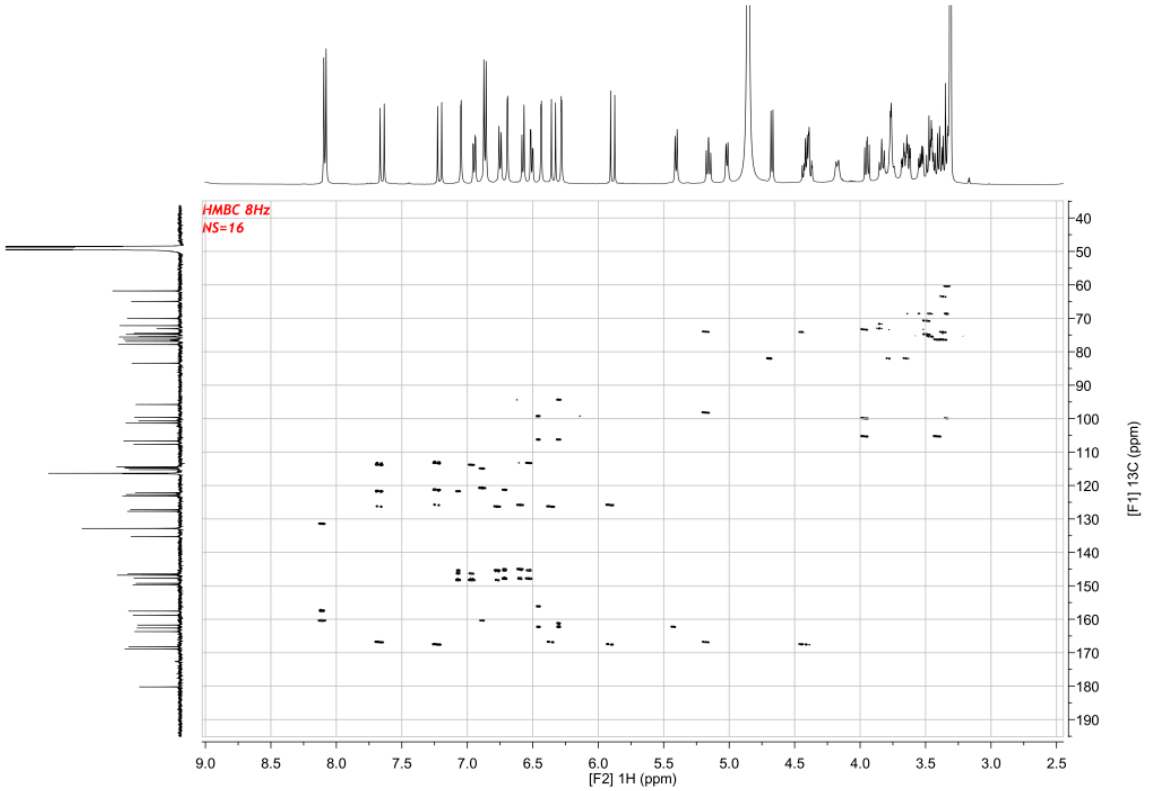


Figure S140. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **13** (methanol-d_4, 500.18 MHz).

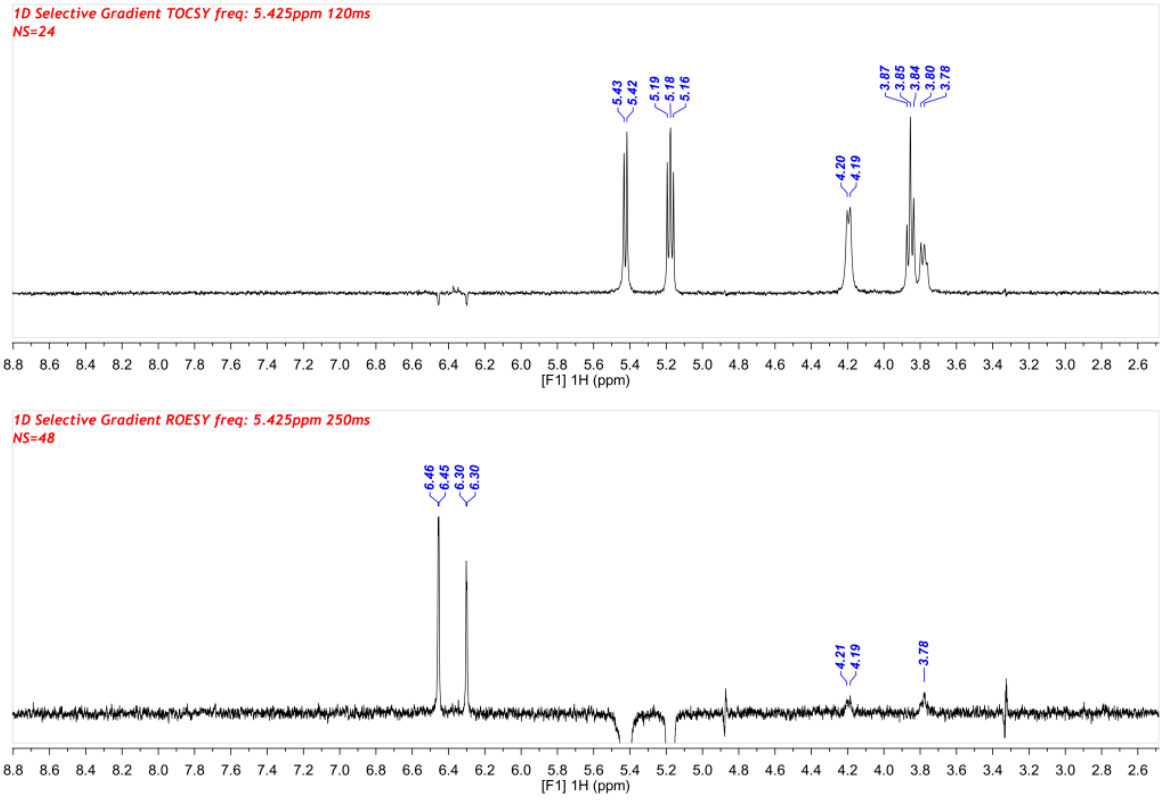


Figure S141. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **13** (methanol-d_4, 500.18 MHz).

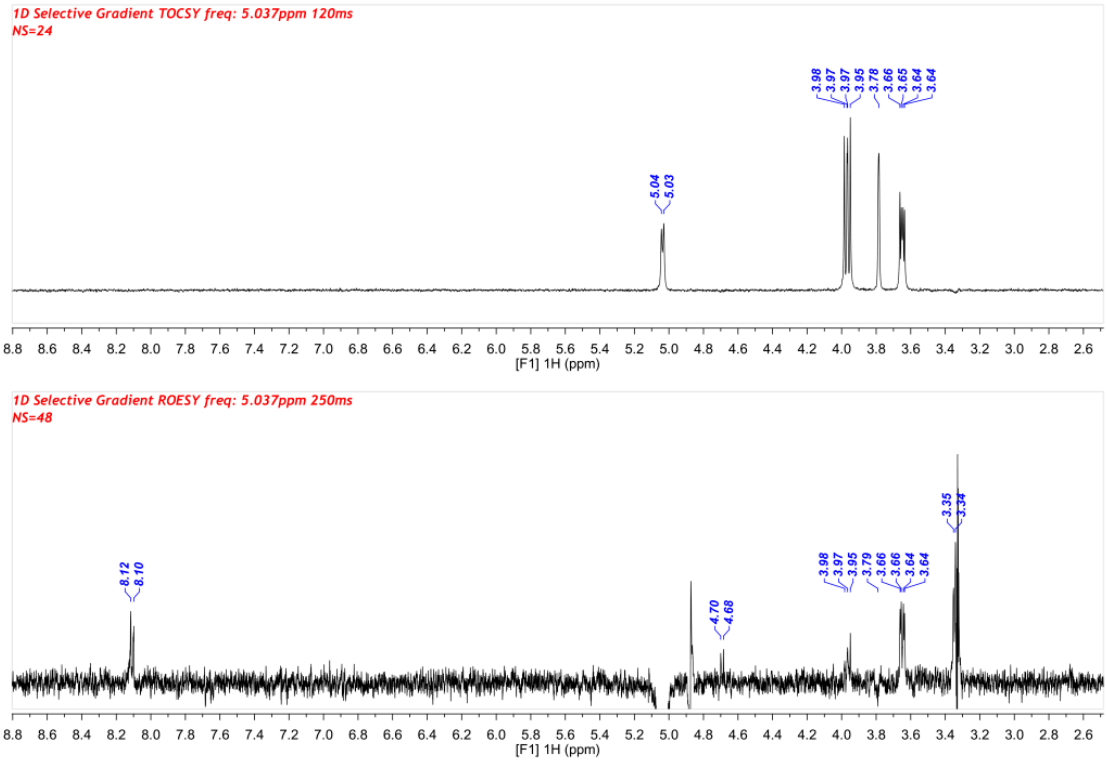
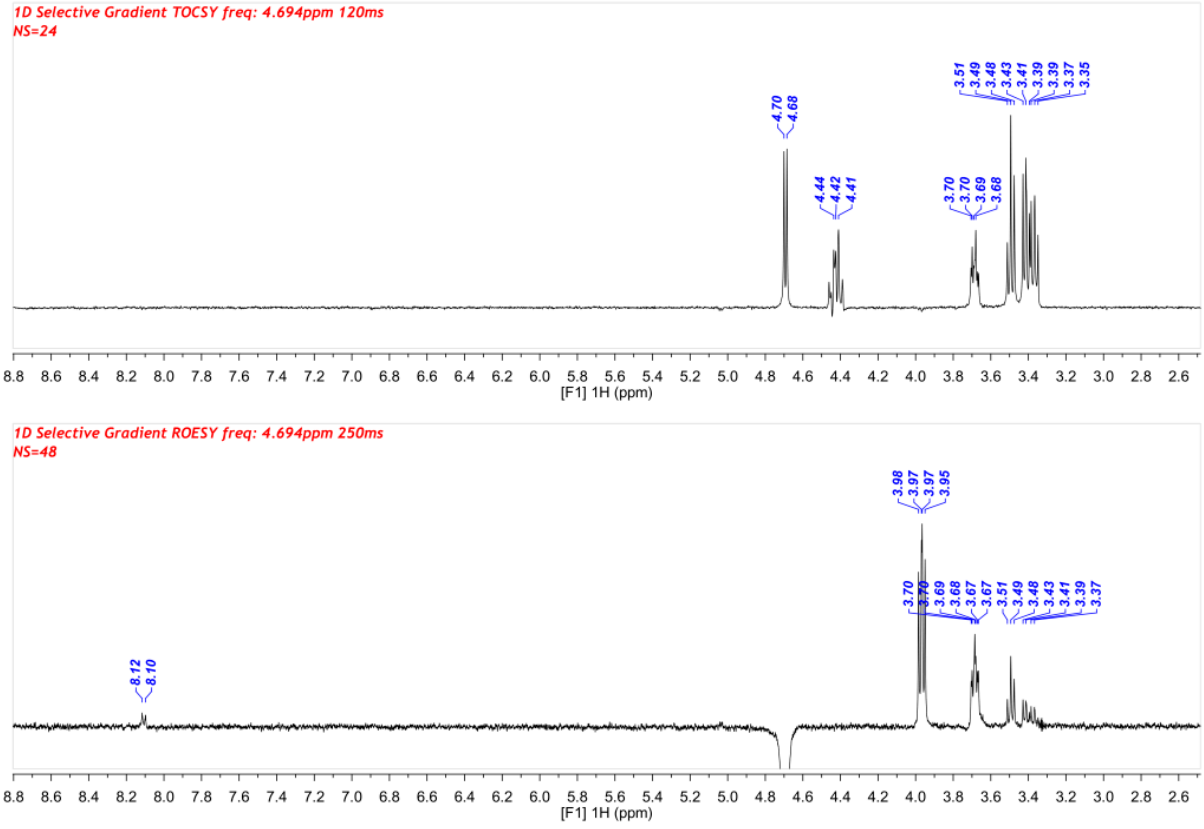


Figure S142. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **13** (methanol-d_4, 500.18 MHz).



Compound 14

Figure S143. 1D ^{1}H-NMR spectrum of compound **14** (methanol-d_4, 500.18 MHz).

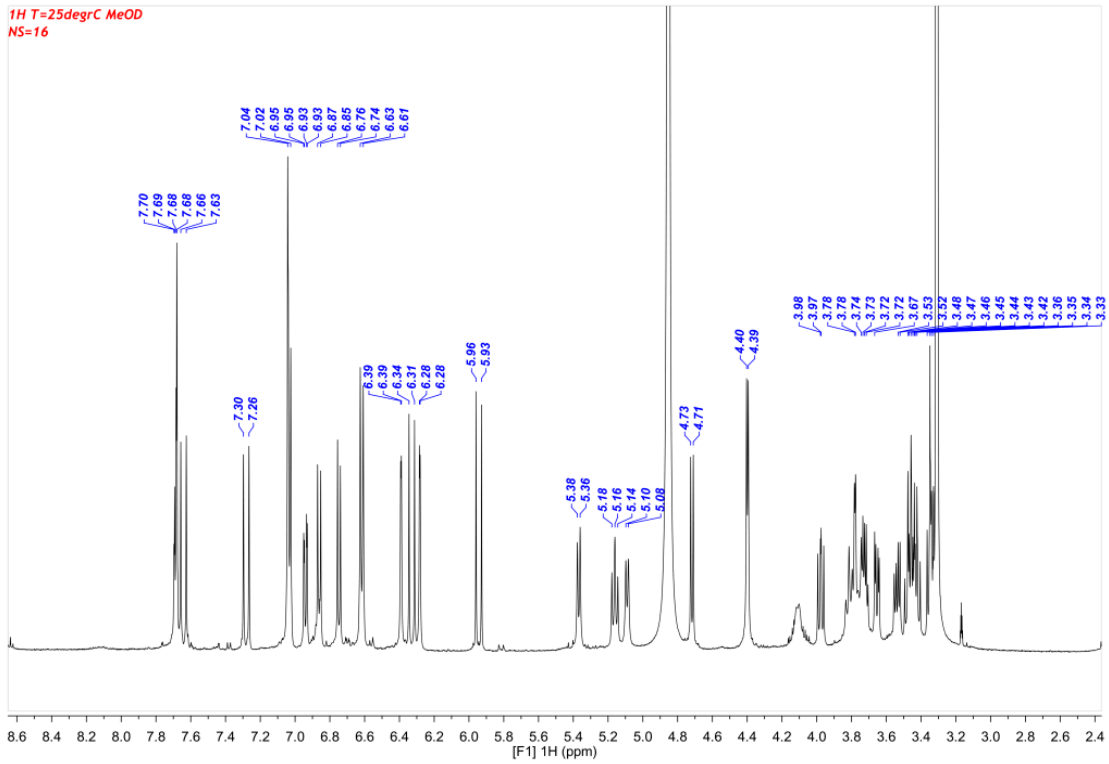


Figure S144. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **14** (methanol-d_4, 125.77 MHz).

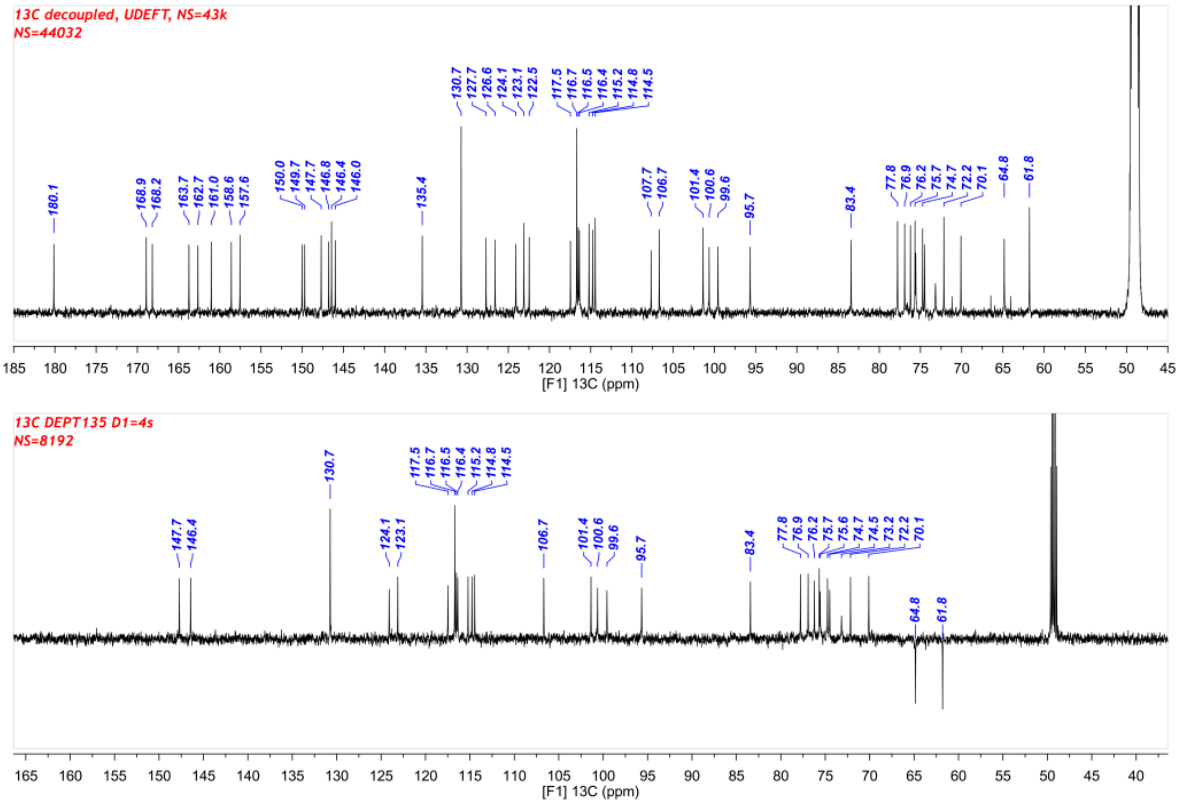


Figure S145. 2D *g*-COSY NMR spectrum of compound **14** (methanol-d_4, 500.18 MHz).

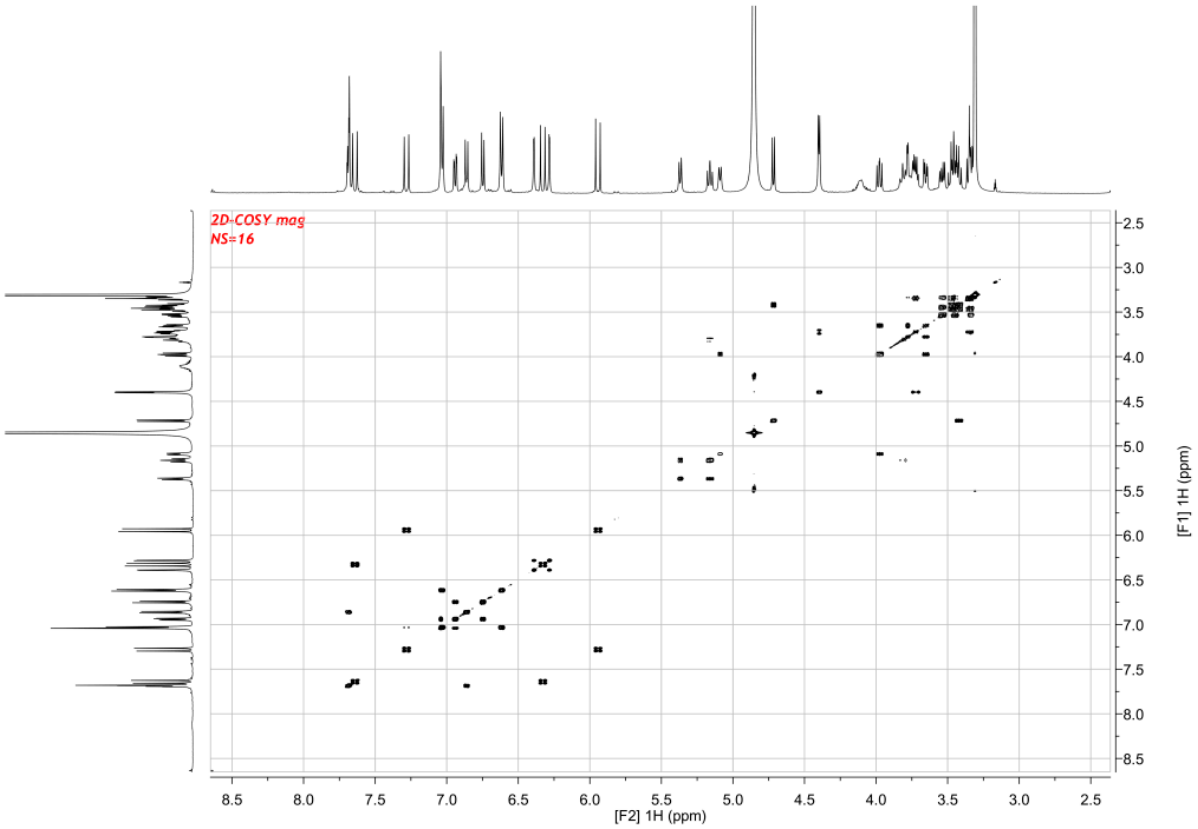


Figure S146. 2D TOCSY NMR spectrum of compound **14** (methanol-d_4, 500.18 MHz).

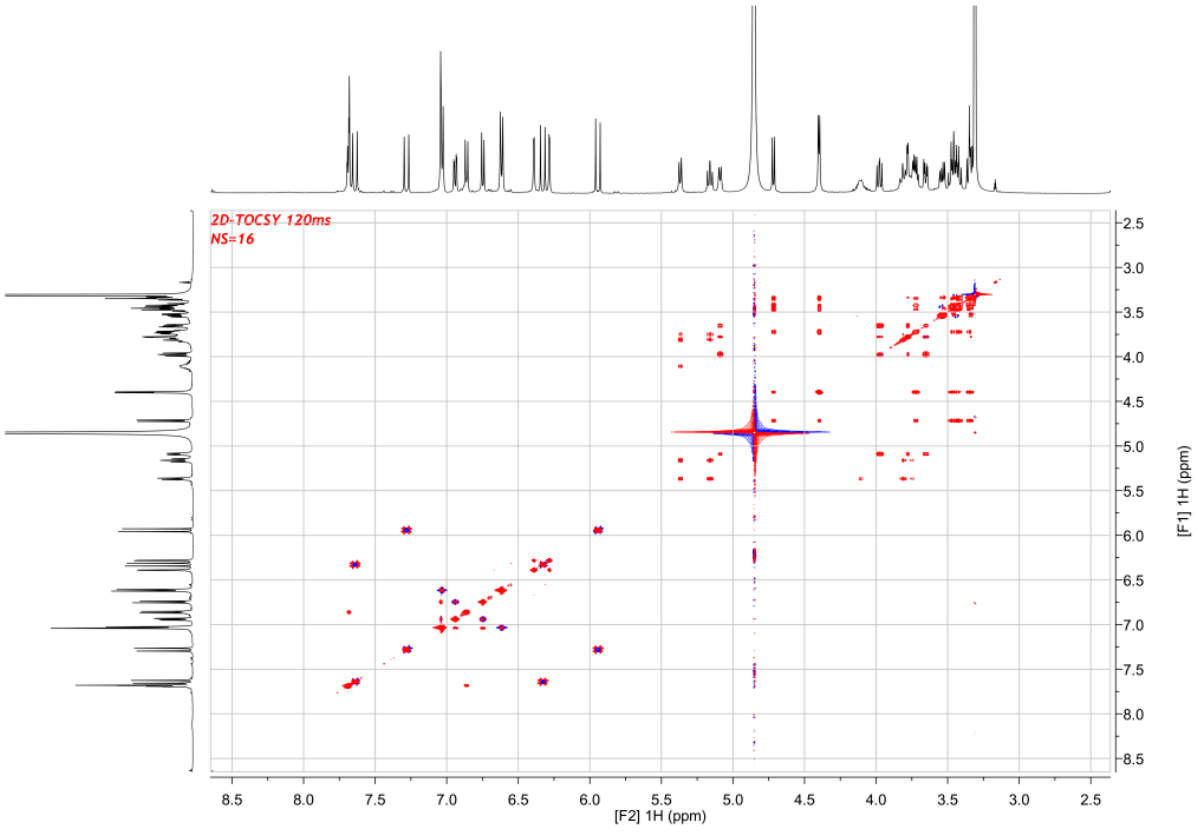


Figure S147. 2D ROESY NMR spectrum of compound **14** (methanol-d_4, 500.18 MHz).

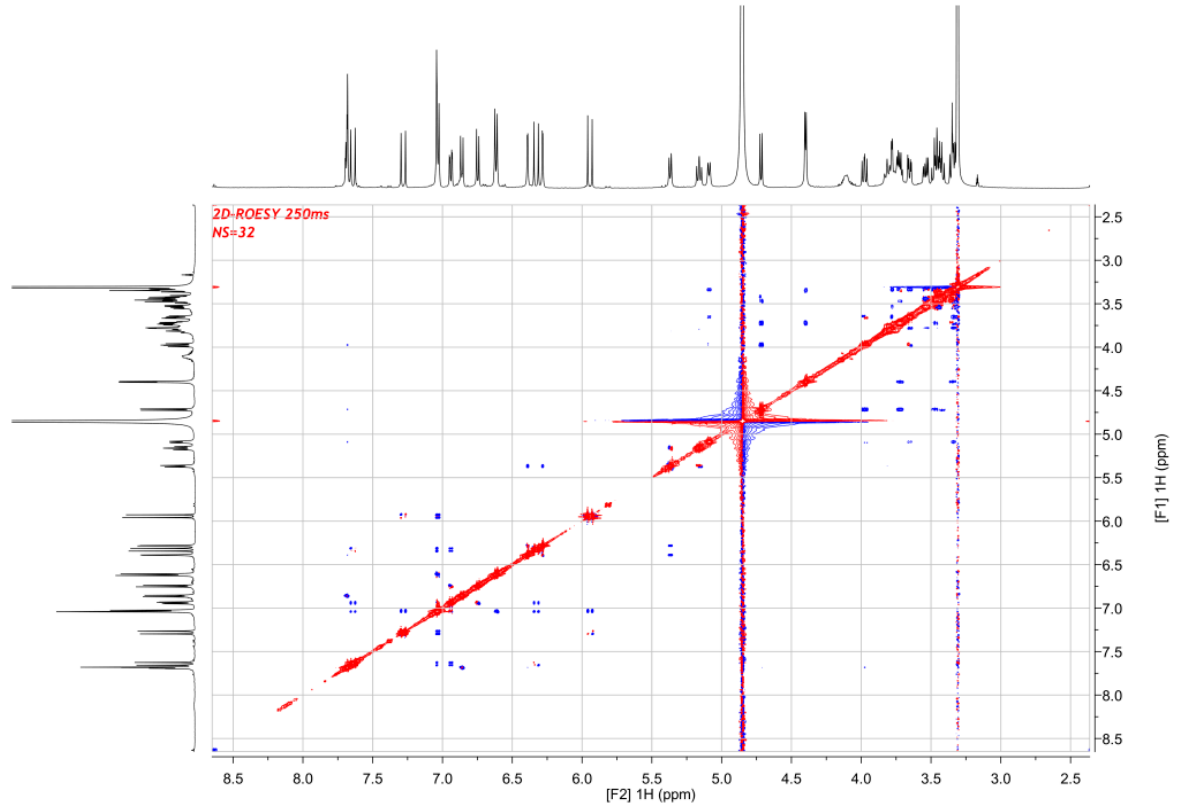


Figure S148. 2D *g*-HSQC-NMR spectrum of compound **14** (methanol-d_4, 500.18 MHz, 125.77 MHz).

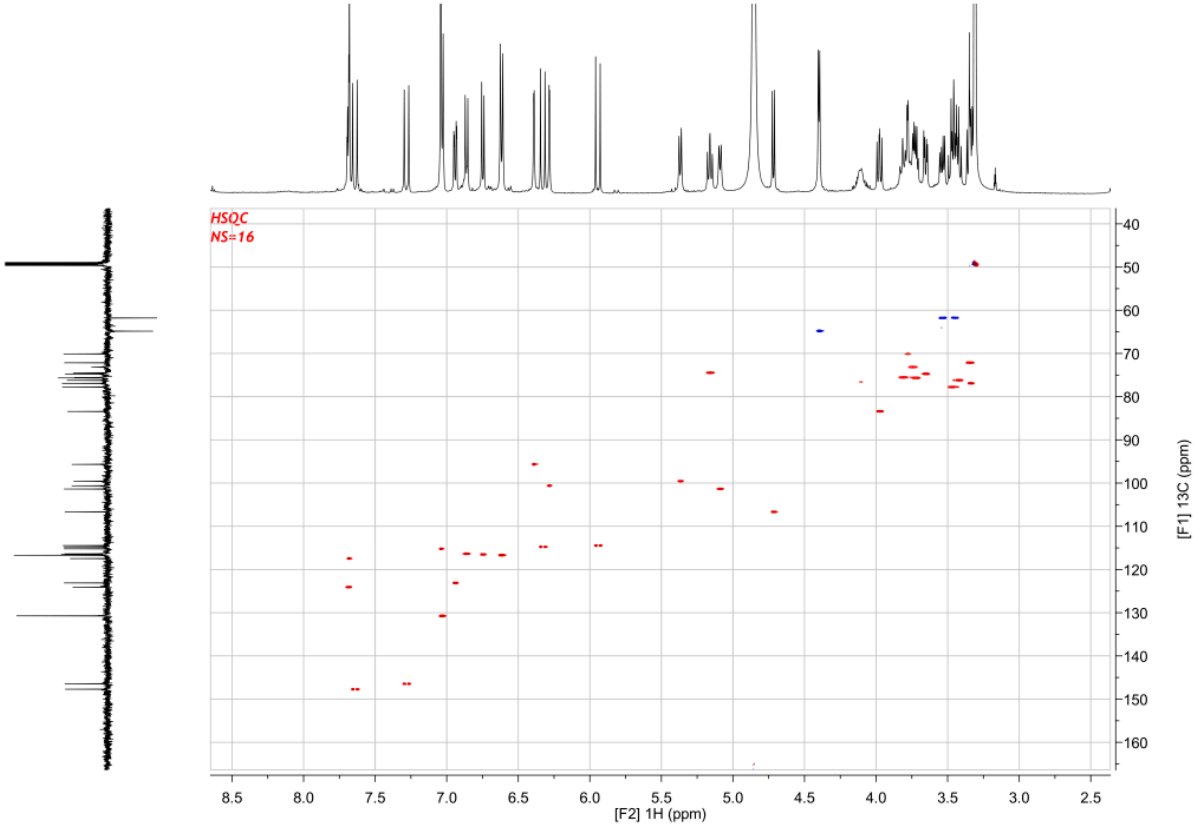


Figure S149. 2D *g*-HSQC-TOCSY NMR spectrum of compound **14** (methanol-d_4, 500.18 MHz, 125.77 MHz).

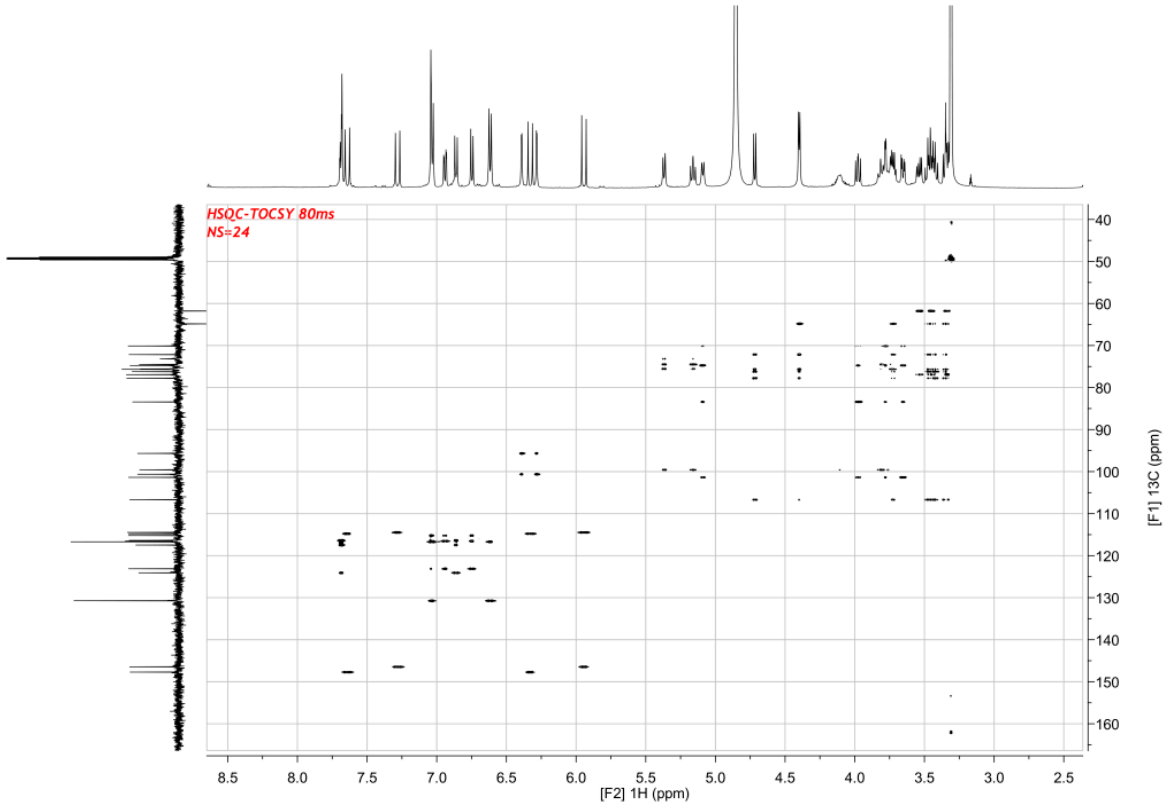


Figure S150. 2D *g*-HMBC-NMR spectrum of compound **14** (methanol-d_4, 500.18 MHz, 125.77 MHz).

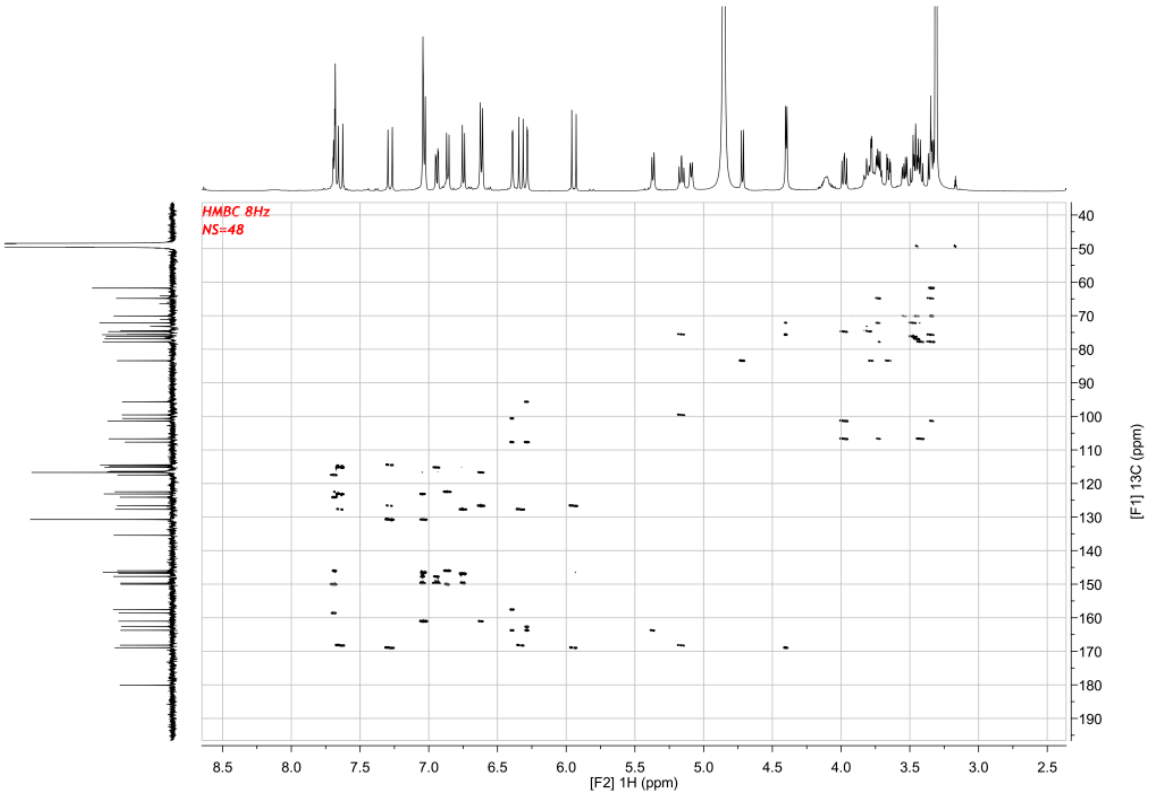


Figure S151. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **14** (methanol-d_4, 500.18 MHz).

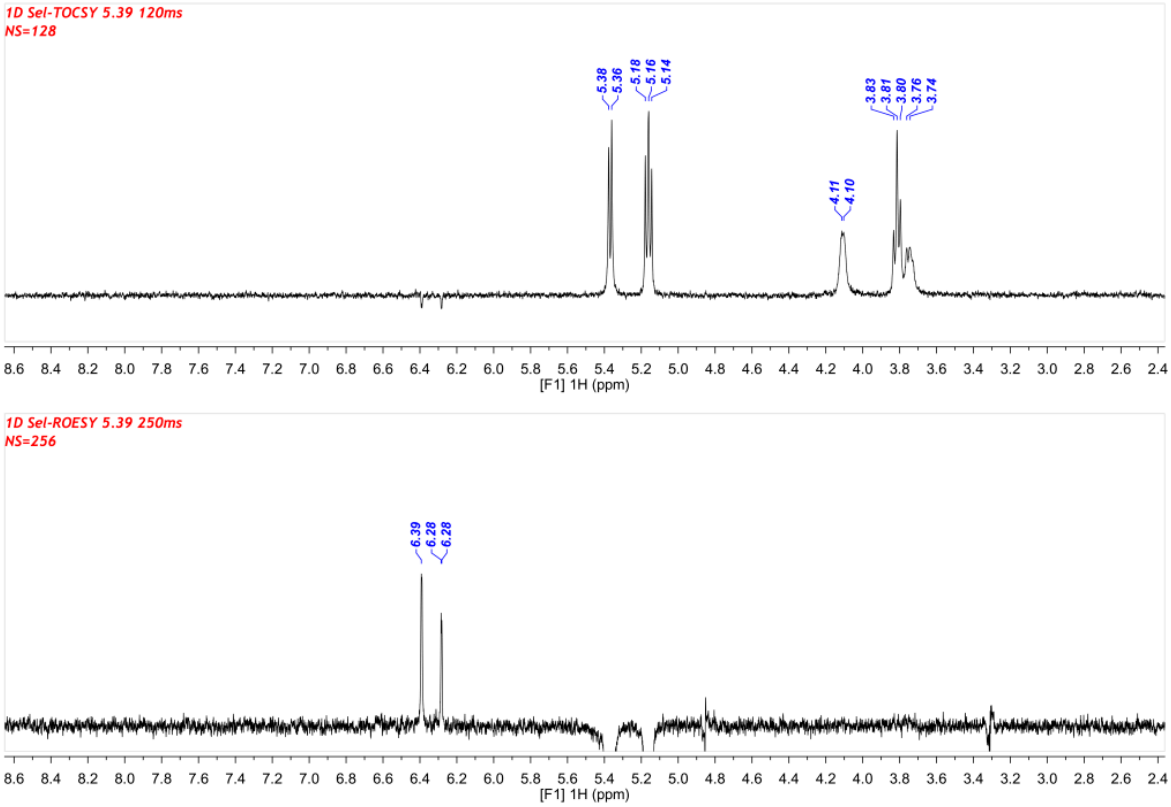


Figure S152. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **14** (methanol-d_4, 500.18 MHz).

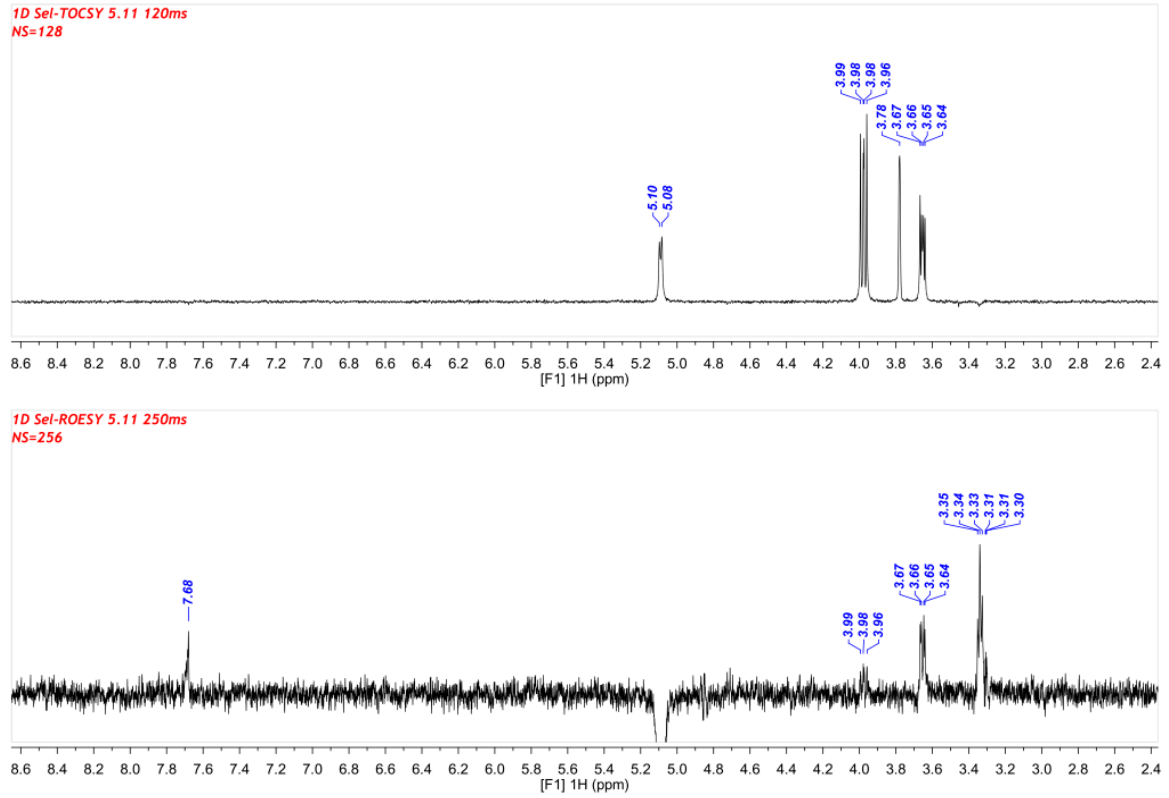
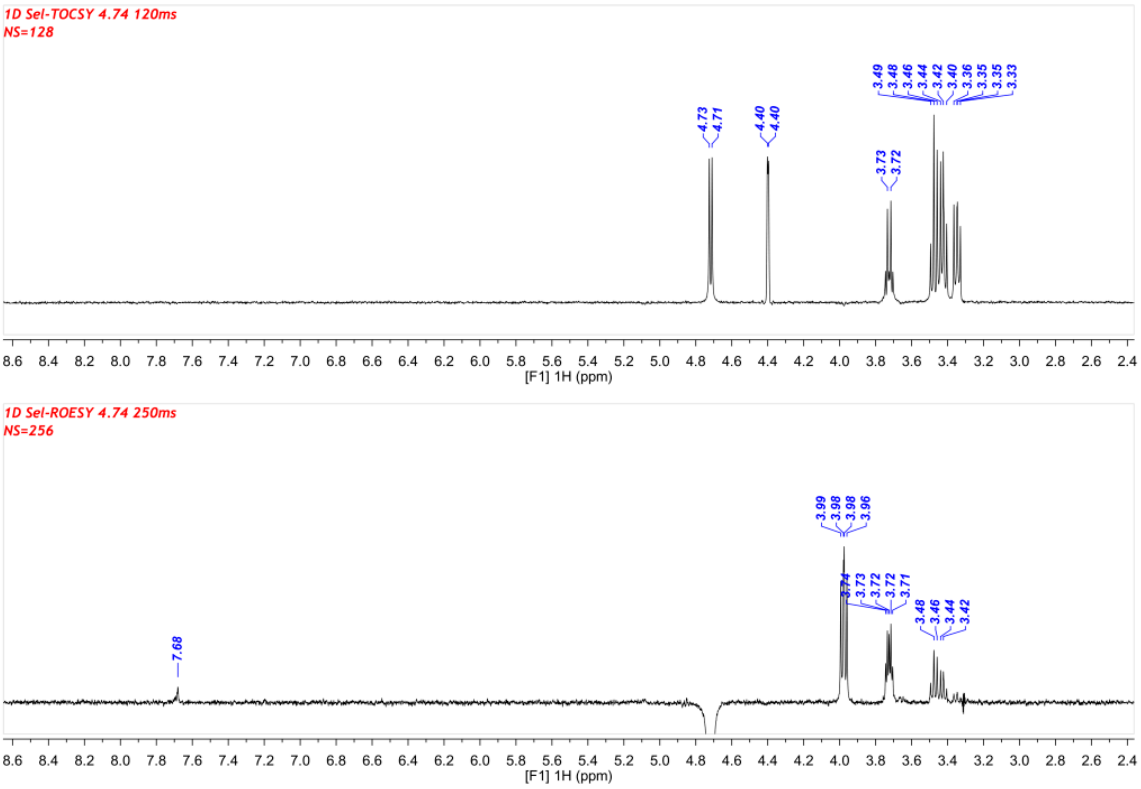


Figure S153. 1D TOCSY and 1D ROESY NMR subspectra of H-1(2^{Gal}-*O*-β-Glc) in compound **14** (methanol-d_4, 500.18 MHz).



Compound 15

Figure S154. 1D ^{1}H-NMR spectrum of compound **15** (methanol-d_4, 500.18 MHz).

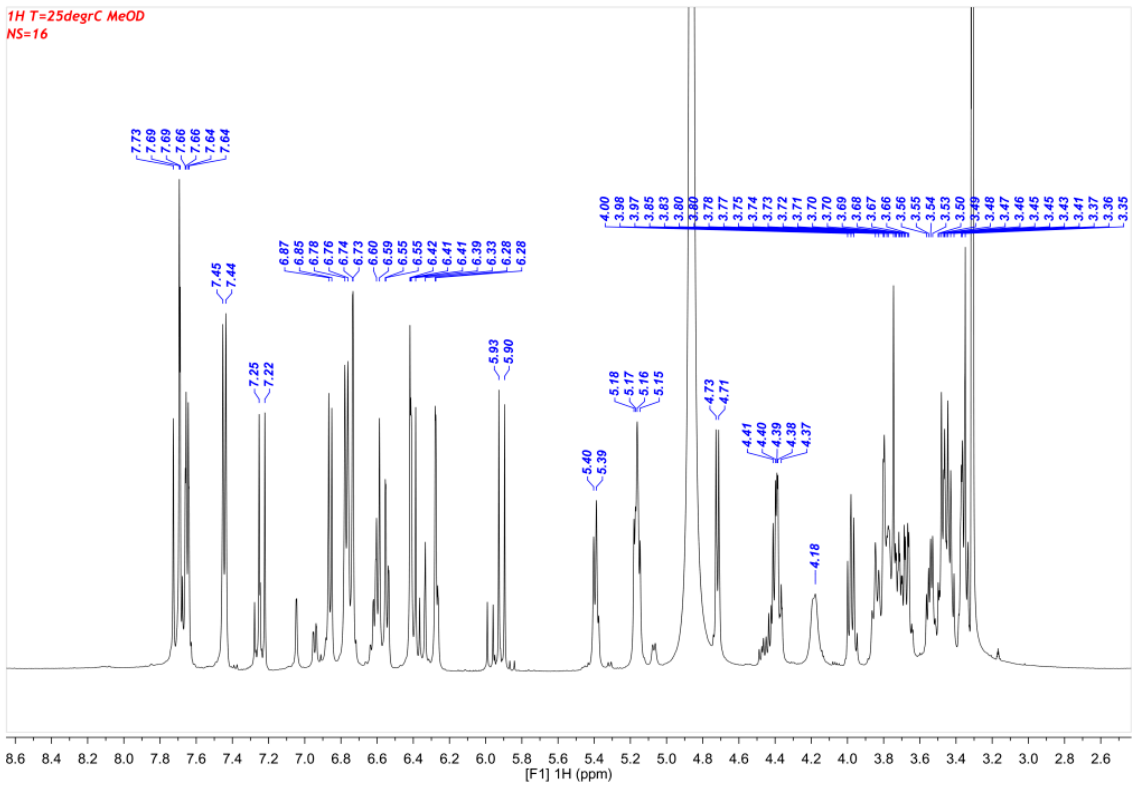


Figure S155. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **15** (methanol-d_4, 125.77 MHz).

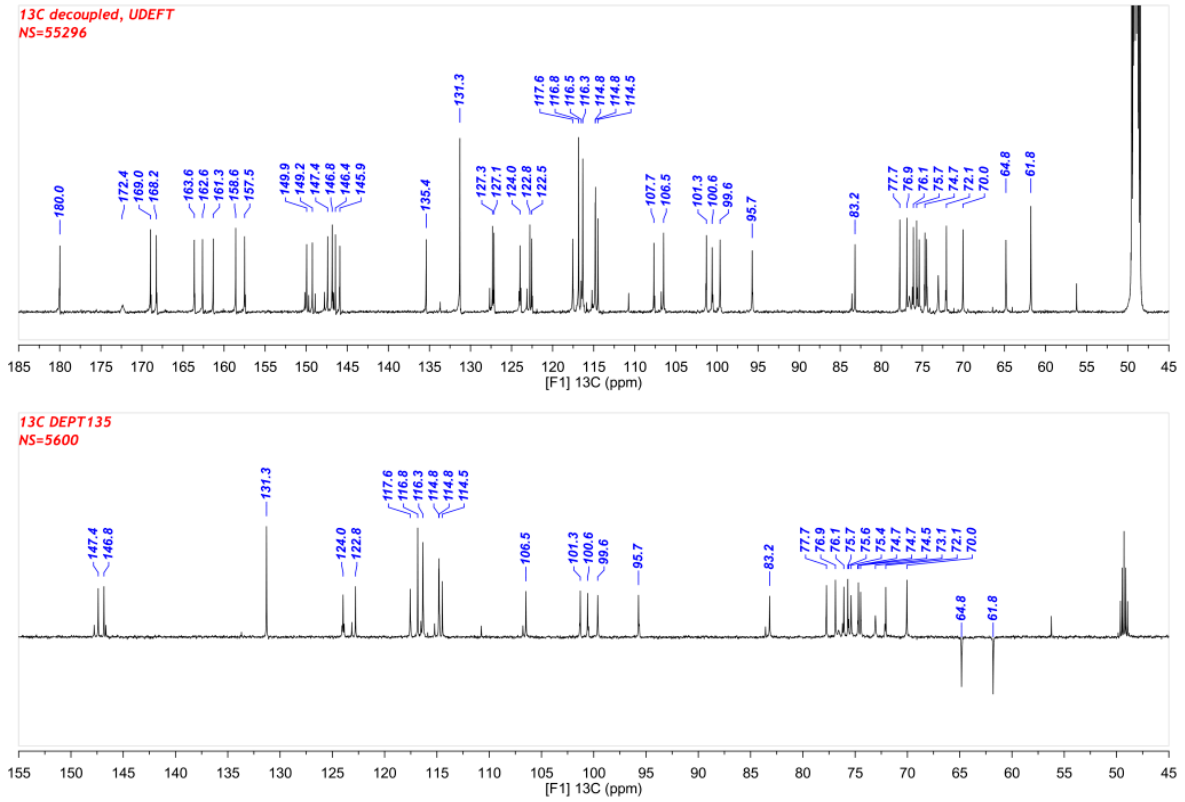


Figure S156. 2D *g*-COSY NMR spectrum of compound **15** (methanol-d_4, 500.18 MHz).

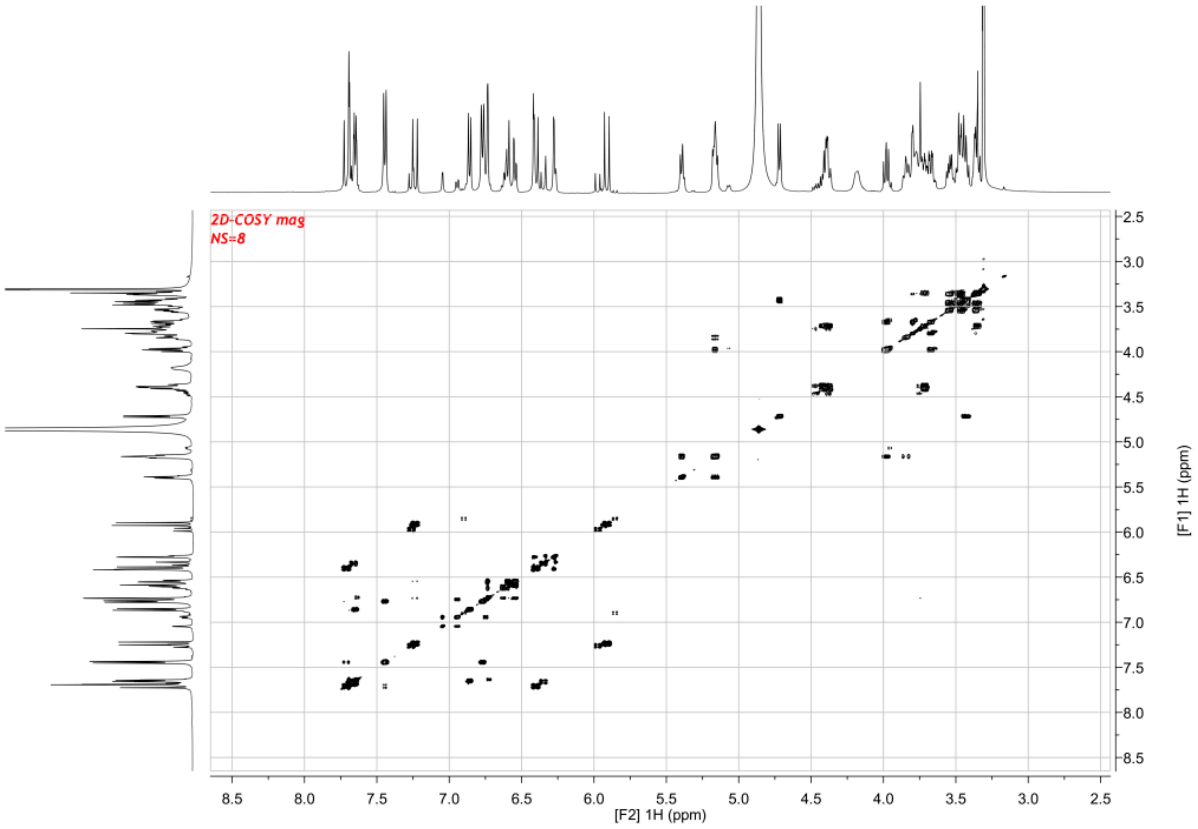


Figure S157. 2D TOCSY NMR spectrum of compound **15** (methanol-d_4, 500.18 MHz).

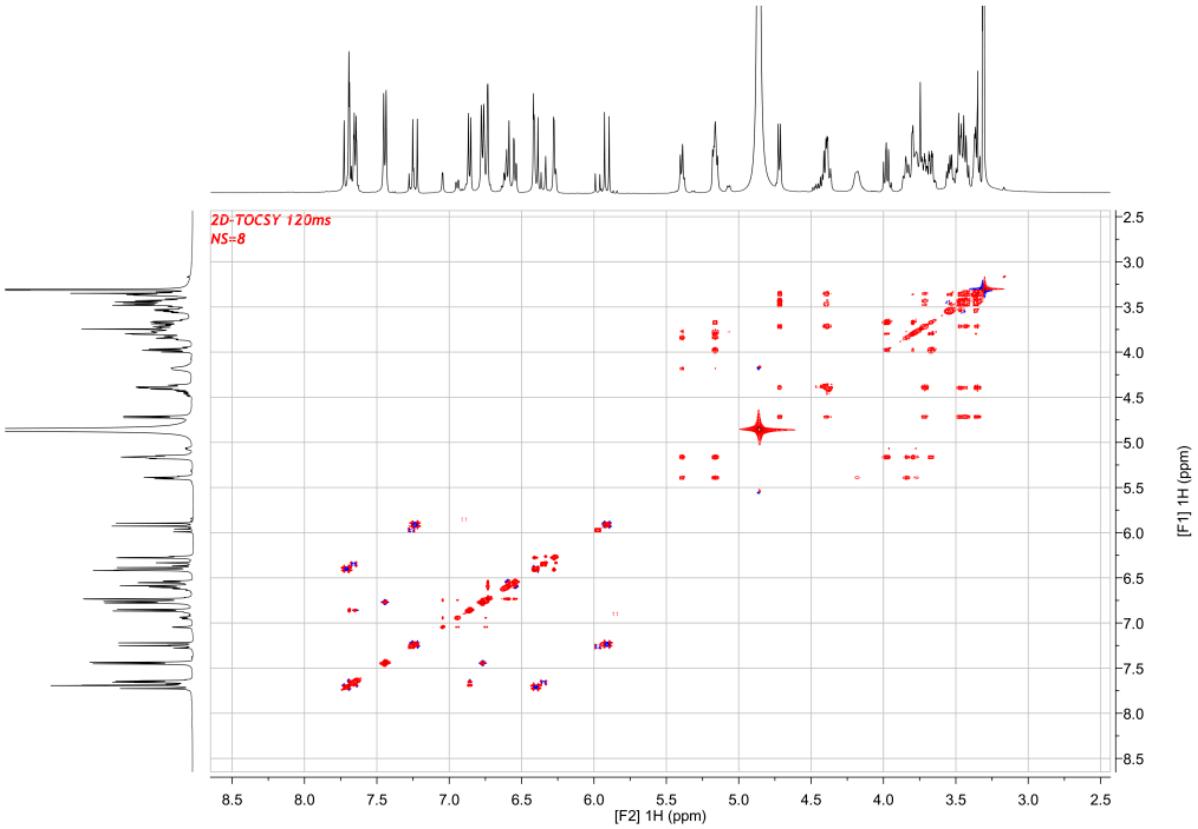


Figure S158. 2D ROESY NMR spectrum of compound **15** (methanol-d_4, 500.18 MHz).

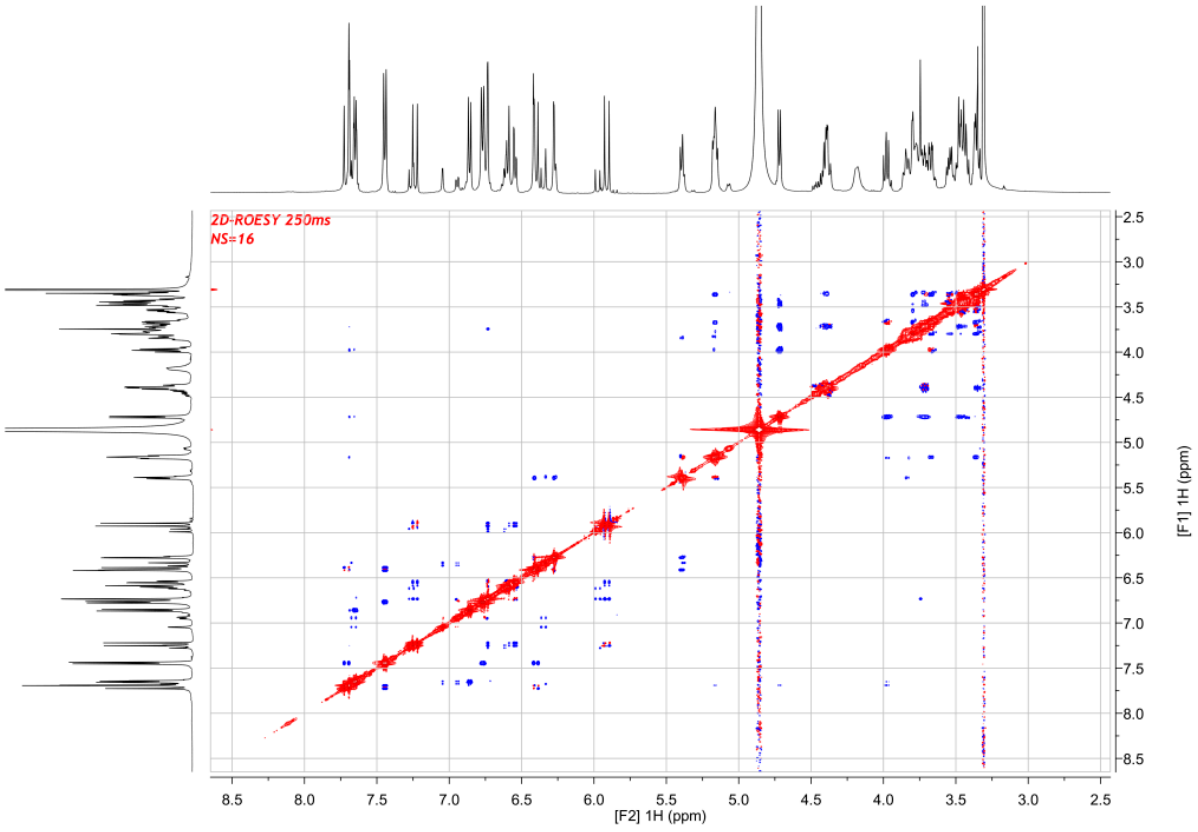


Figure S159. 2D *g*-HSQC-NMR spectrum of compound **15** (methanol-d_4, 500.18 MHz, 125.77 MHz).

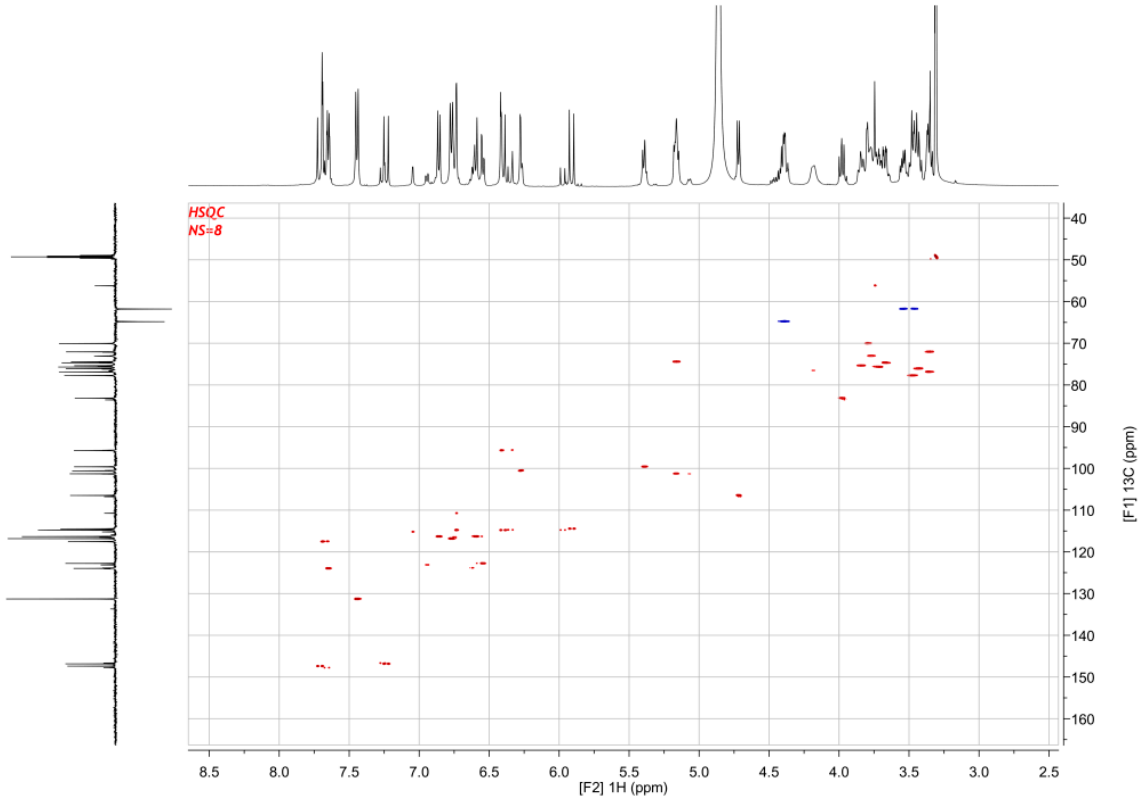


Figure S160. 2D *g*-HSQC-TOCSY NMR spectrum of compound **15** (methanol-d_4, 500.18 MHz, 125.77 MHz).

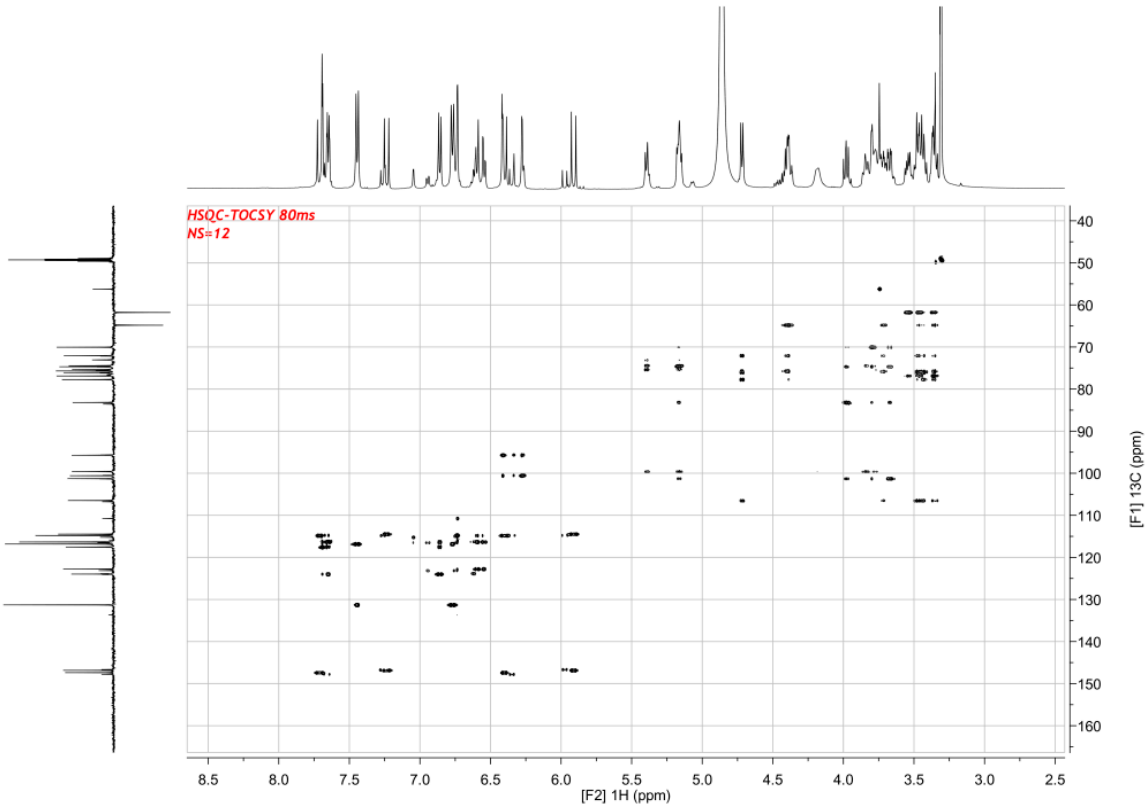


Figure S161. 2D *g*-HMBC-NMR spectrum of compound **15** (methanol-d_4, 500.18 MHz, 125.77 MHz).

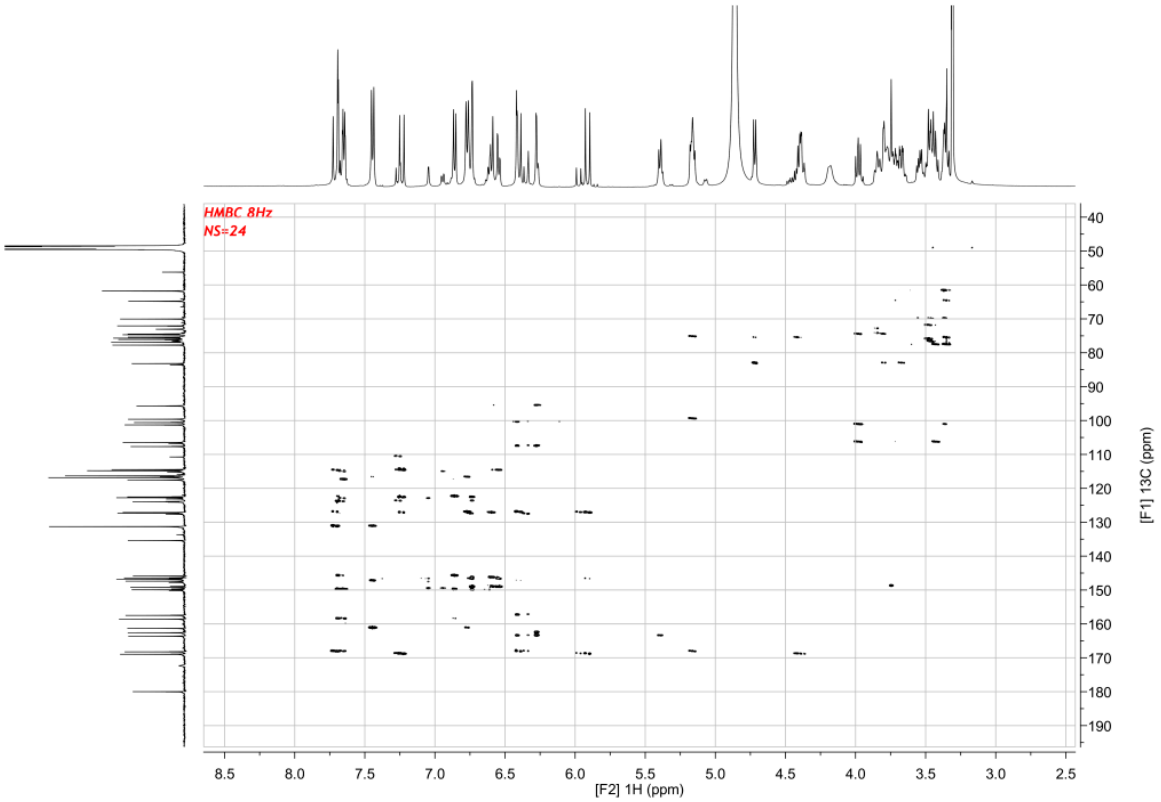


Figure S162. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **15** (methanol-d_4, 500.18 MHz).

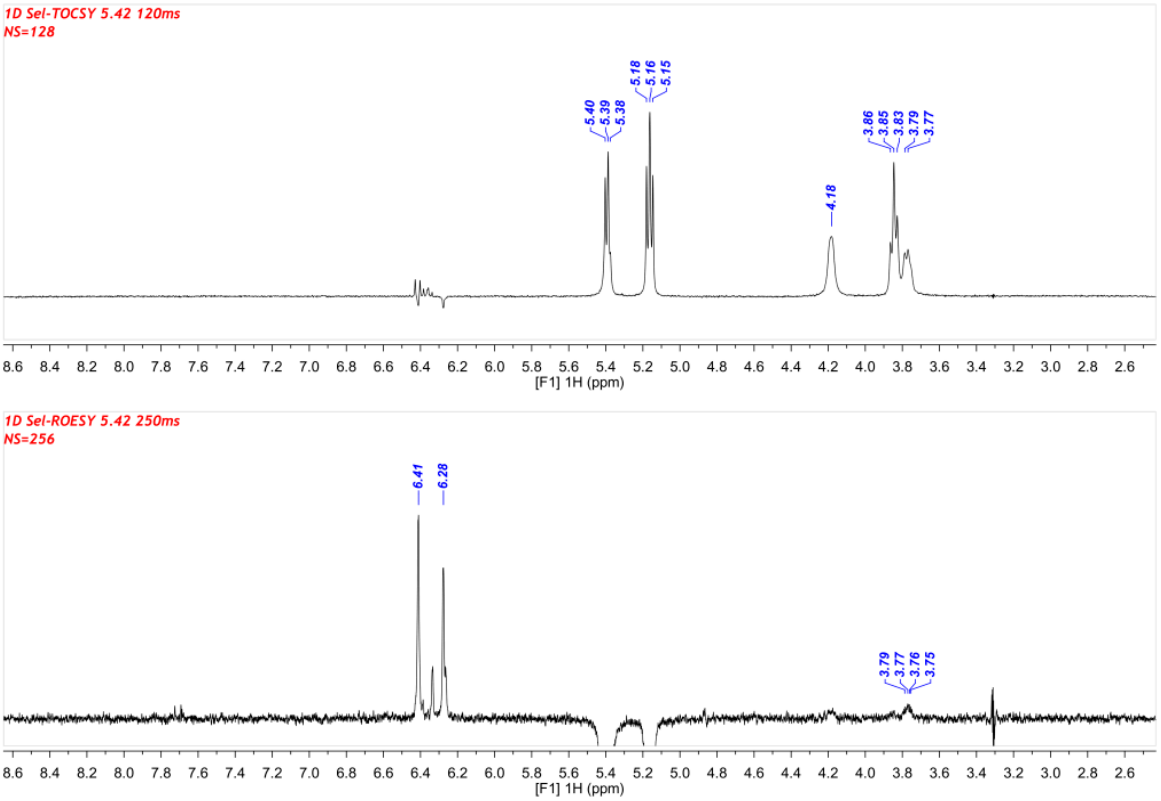


Figure S163. 1D TOCSY NMR subspectrum of H-2$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **15** (methanol-d_4, 500.18 MHz).

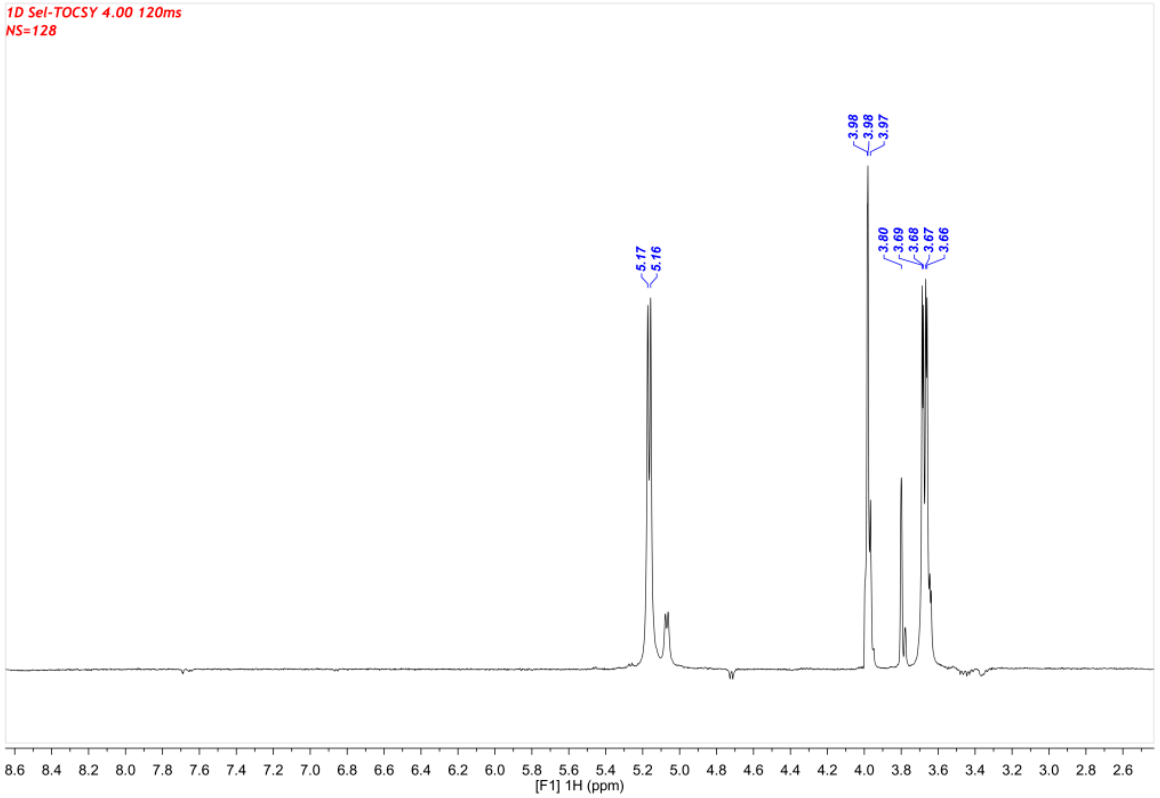
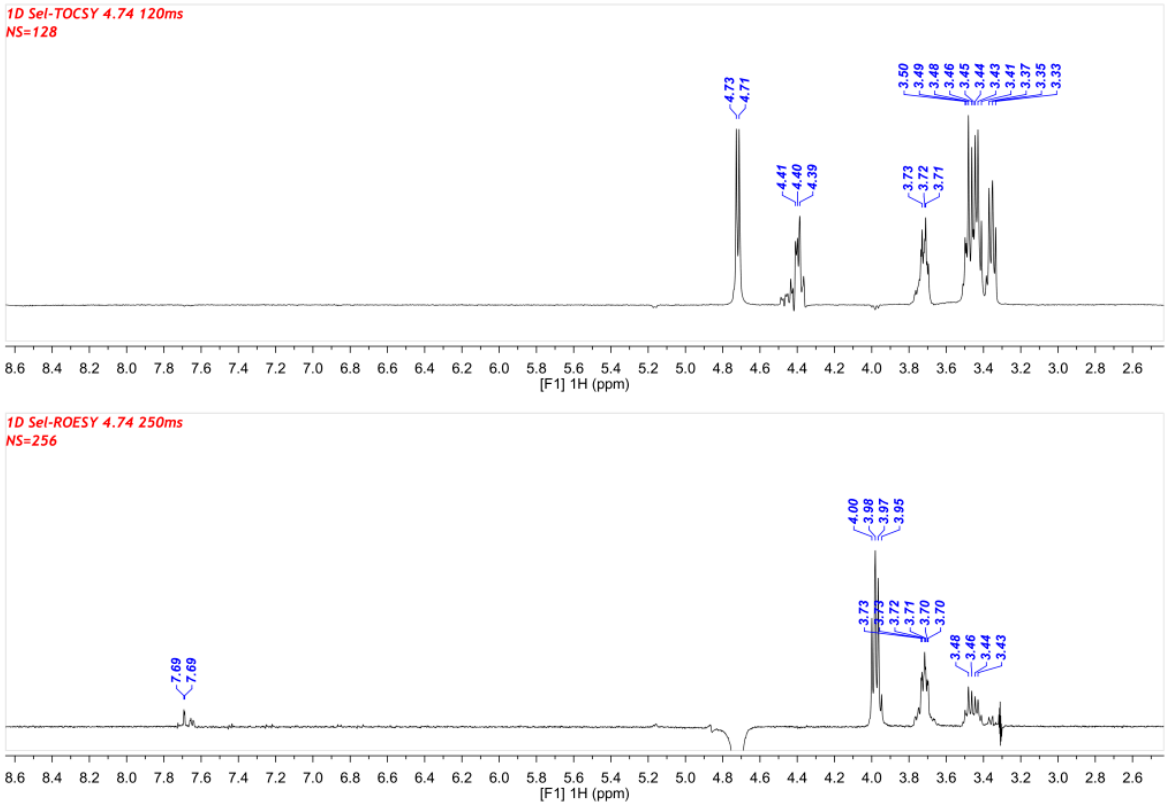


Figure S164. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **15** (methanol-d_4, 500.18 MHz).



Compound 16

Figure S165. 1D ^{1}H-NMR spectrum of compound **16** (methanol-d_4, 500.18 MHz).

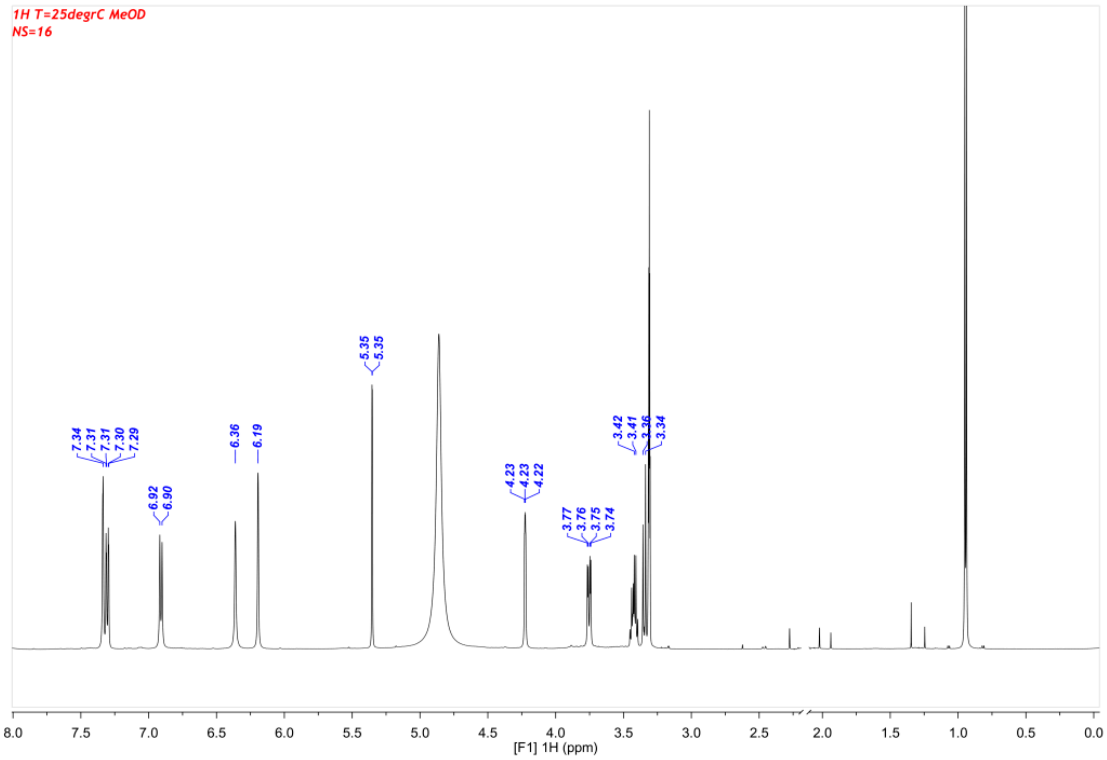


Figure S166. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **16** (methanol-d_4, 125.77 MHz).

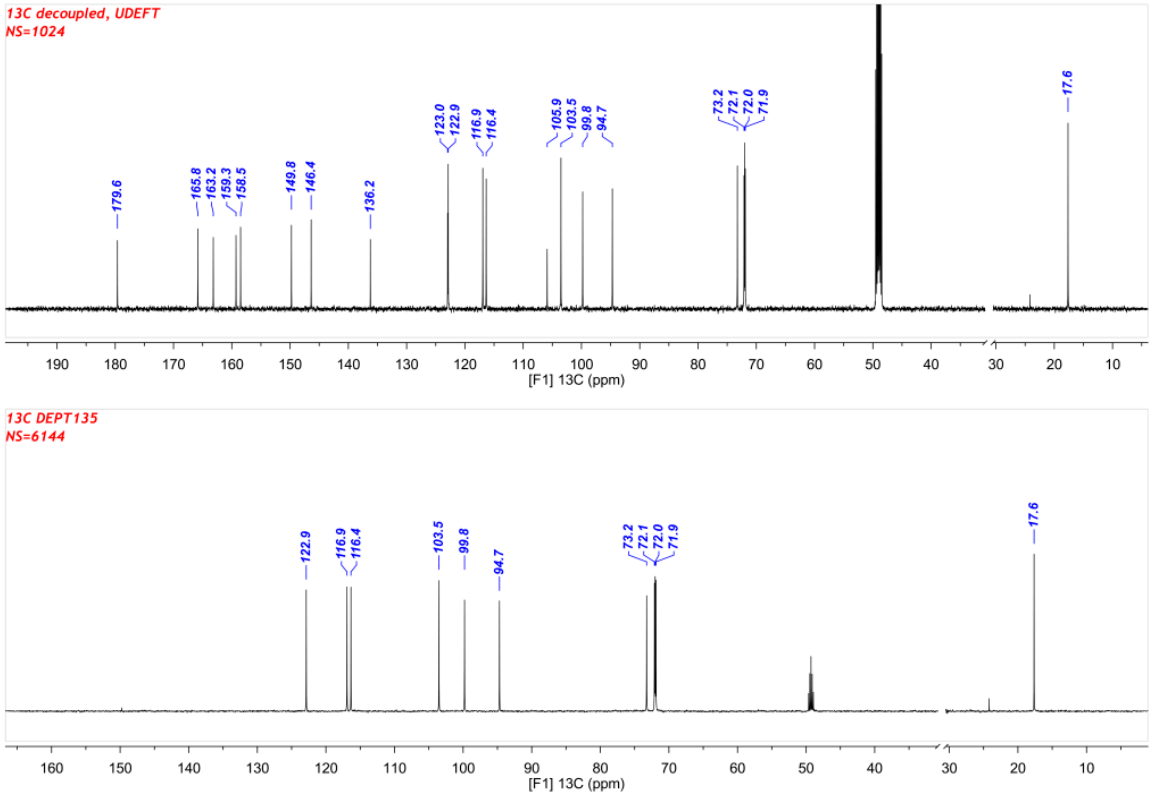


Figure S167. 2D *g*-COSY NMR spectrum of compound **16** (methanol-d_4, 500.18 MHz).

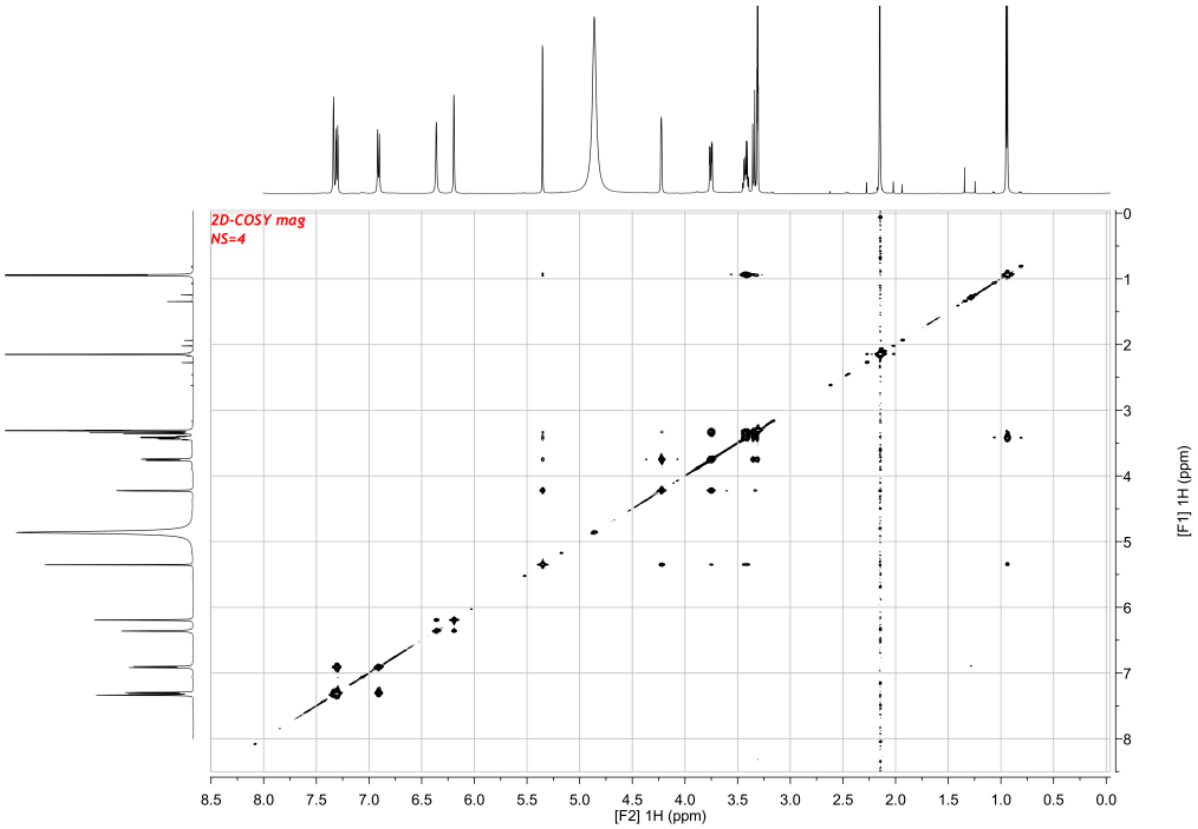


Figure S168. 2D ROESY NMR spectrum of compound **16** (methanol-d_4, 500.18 MHz).

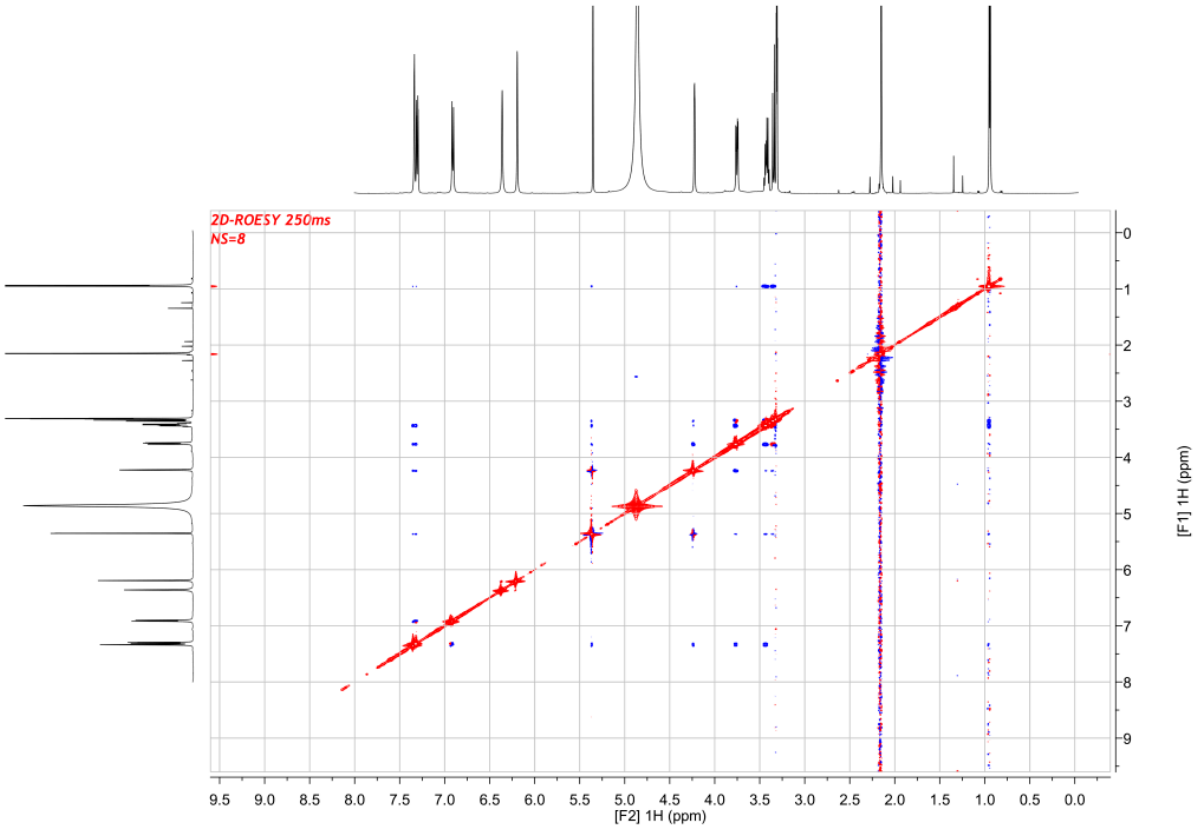


Figure S169. 2D *g*-HSQC-NMR spectrum of compound **16** (methanol-d_4, 500.18 MHz, 125.77 MHz).

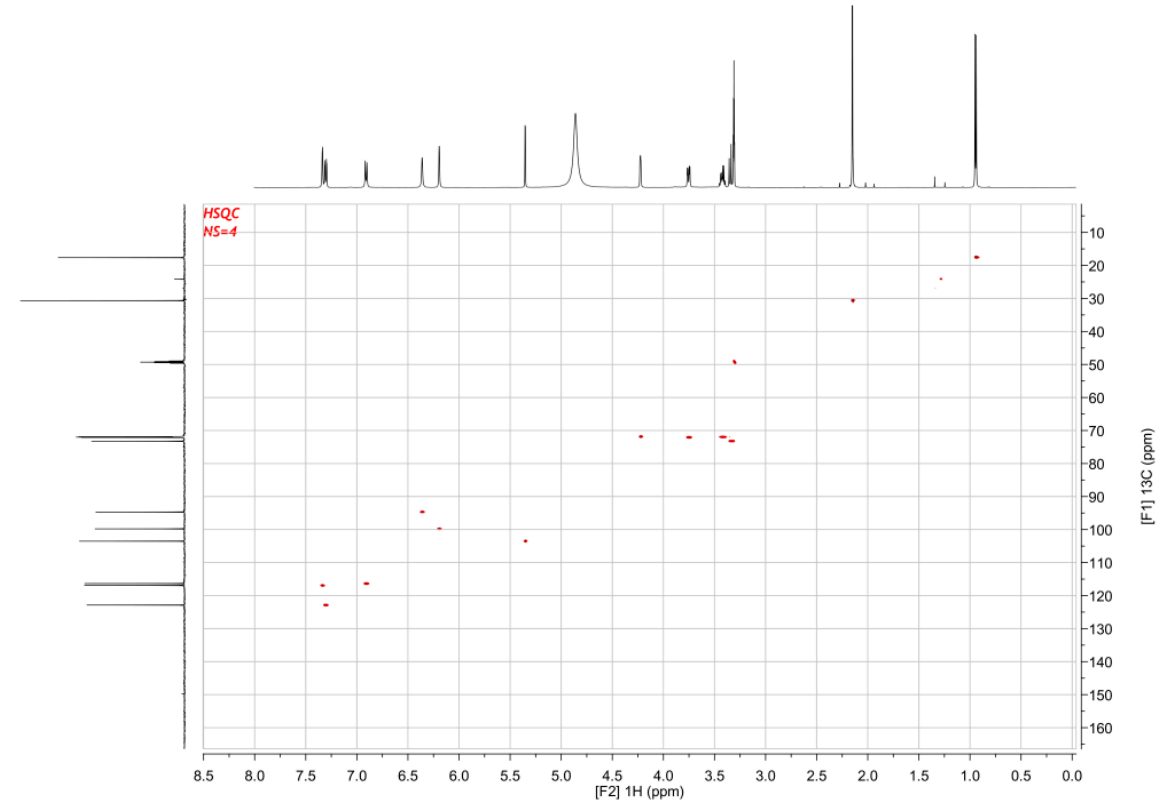


Figure S170. 2D *g*-HMBC-NMR spectrum of compound **16** (methanol-d_4, 500.18 MHz, 125.77 MHz).

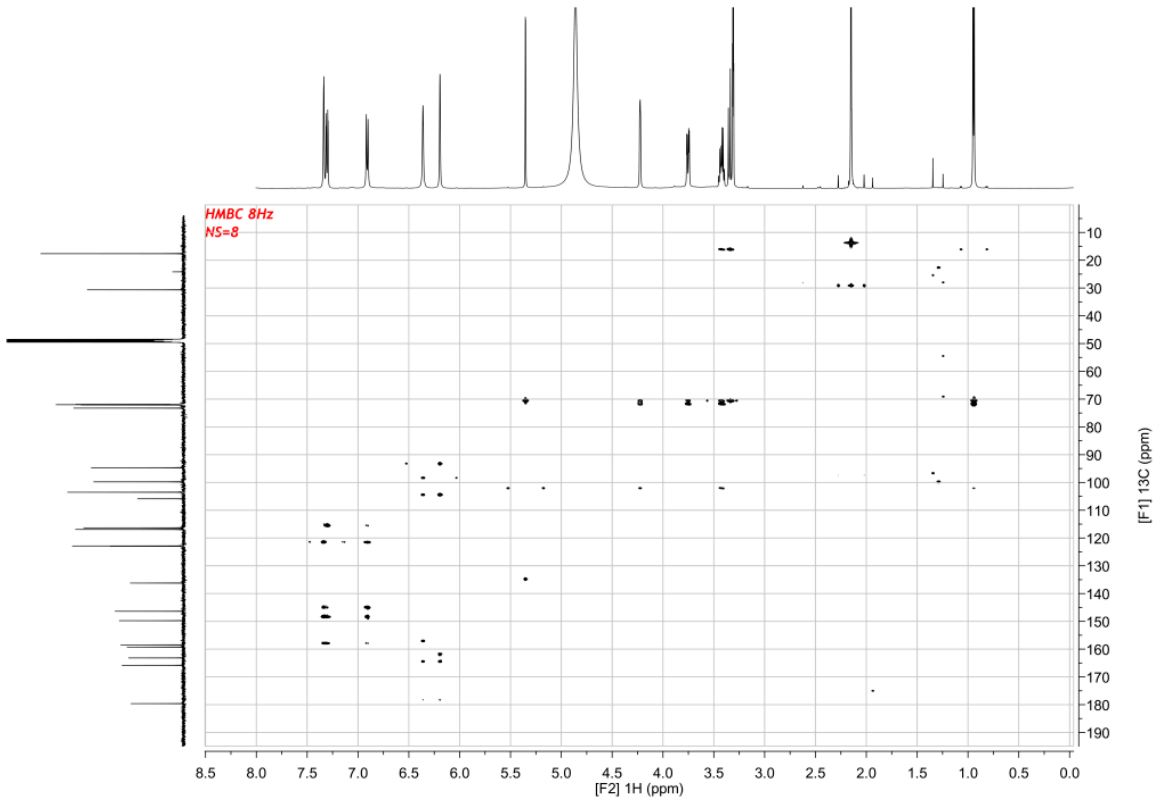
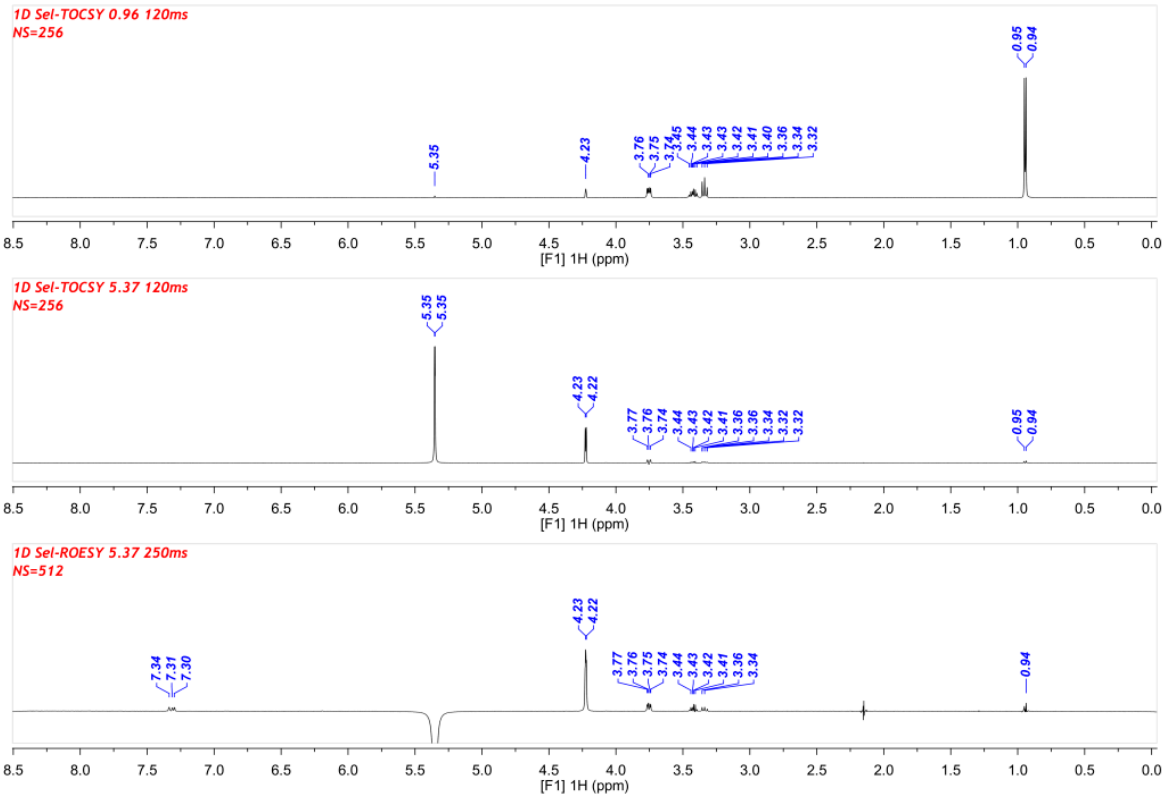


Figure S171. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\alpha\text{-Rha})}$ and H-6$_{(3\text{-}O\text{-}\alpha\text{-Rha})}$ in compound **16** (methanol-d_4, 500.18 MHz).



Compound 17

Figure S172. 1D ^{1}H-NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz).

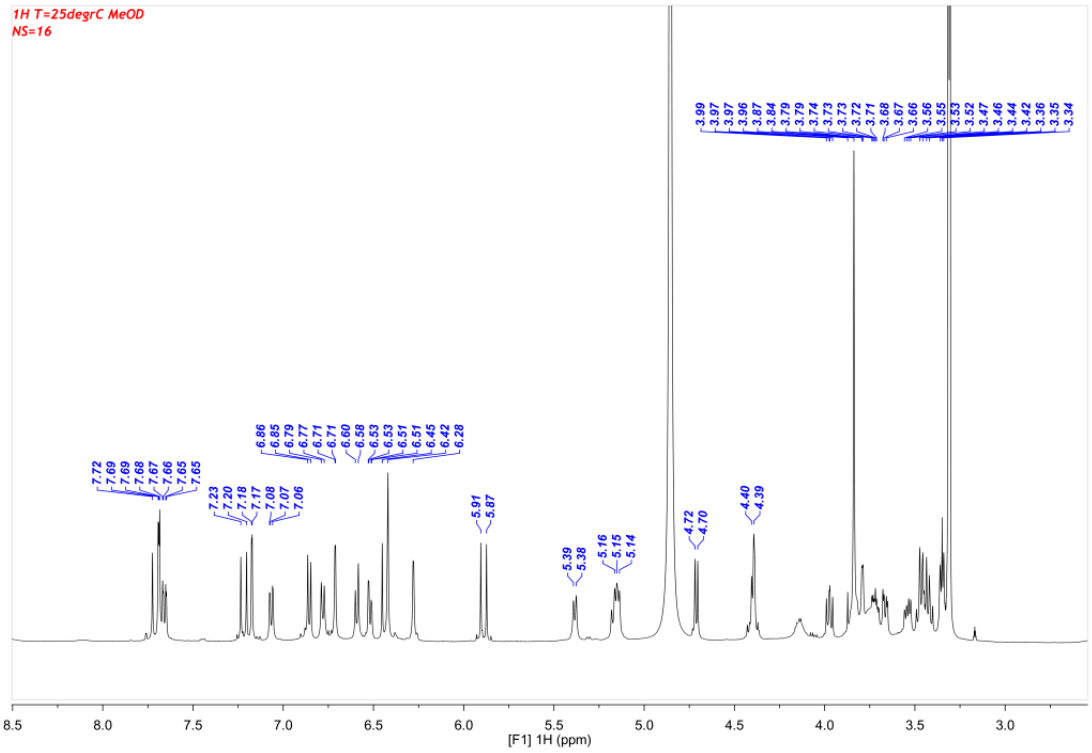


Figure S173. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **17** (methanol-d_4, 125.77 MHz).

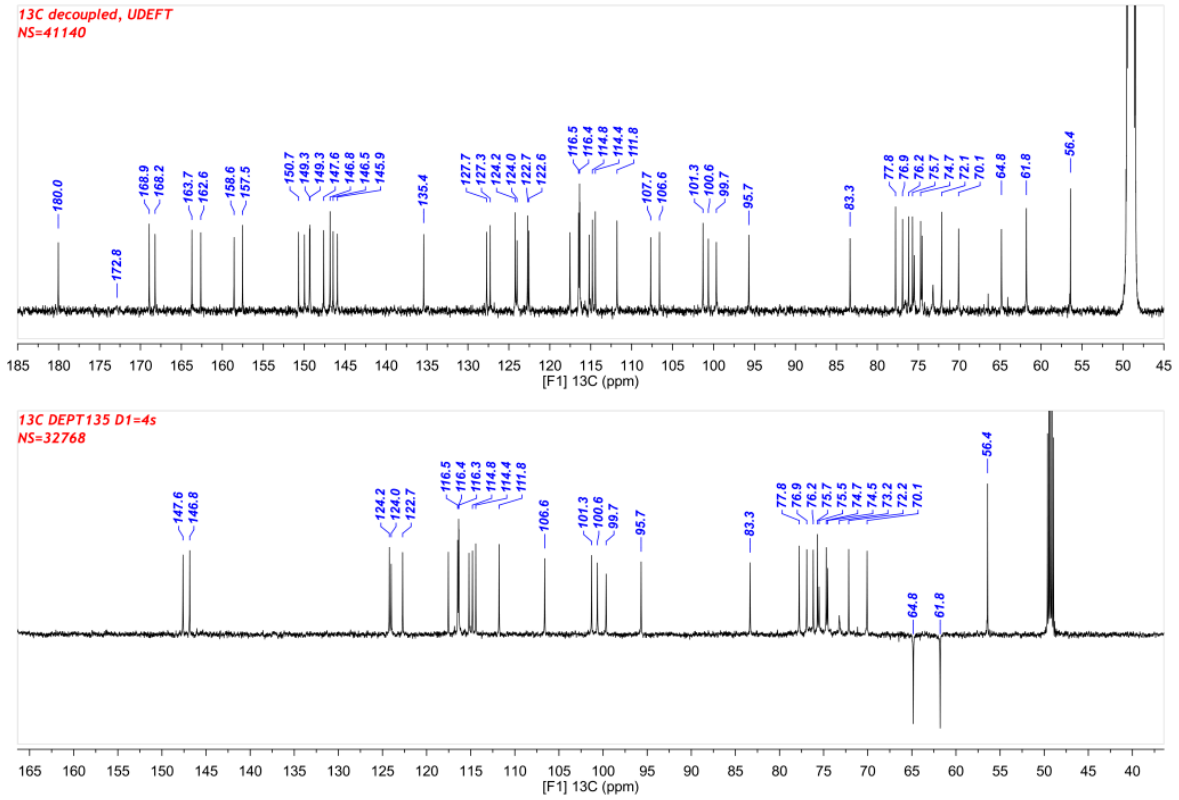


Figure S174. 2D *g*-COSY NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz).

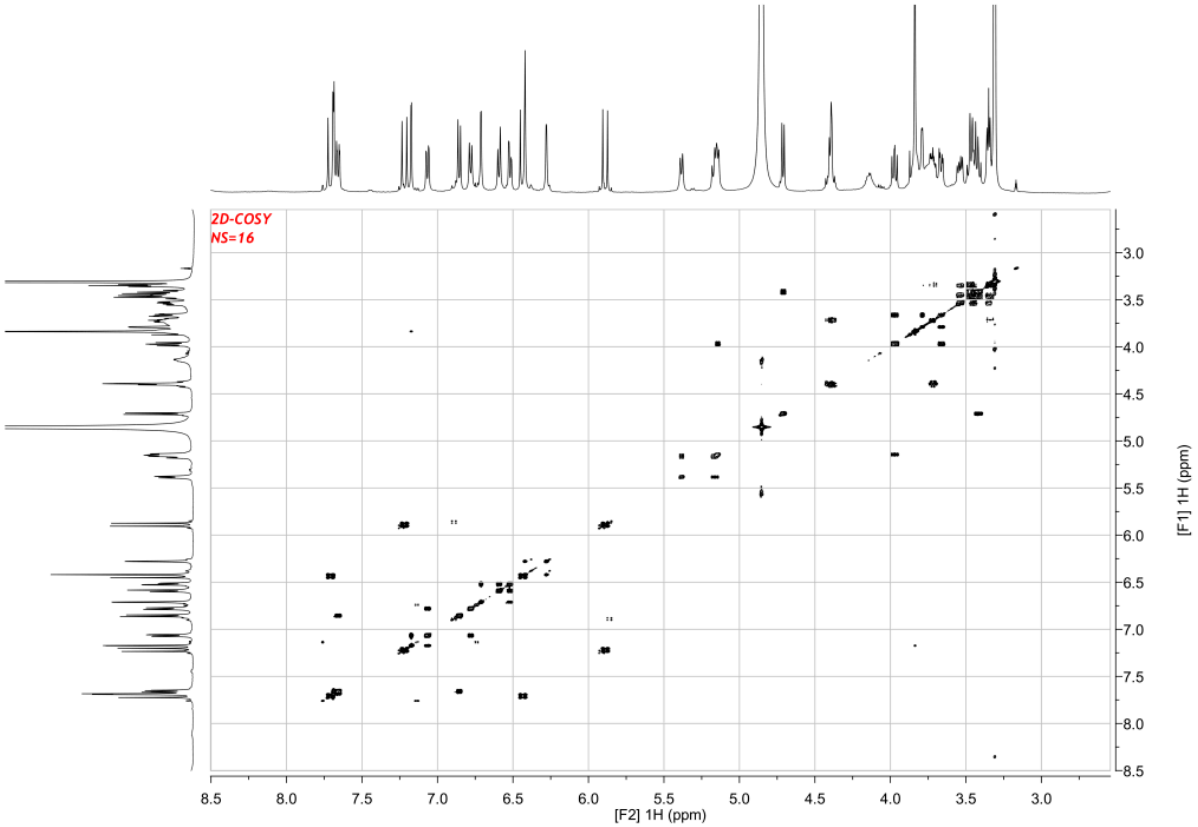


Figure S175. 2D TOCSY NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz).

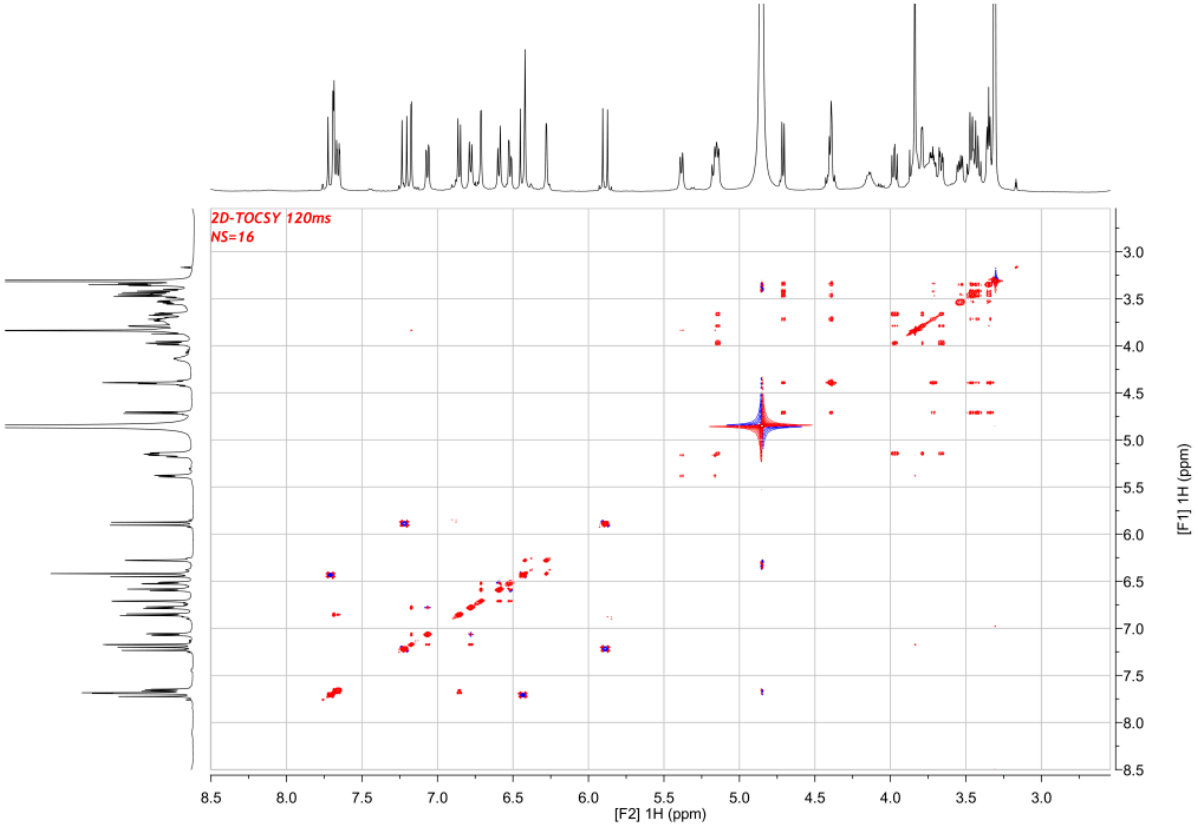


Figure S176. 2D ROESY NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz).

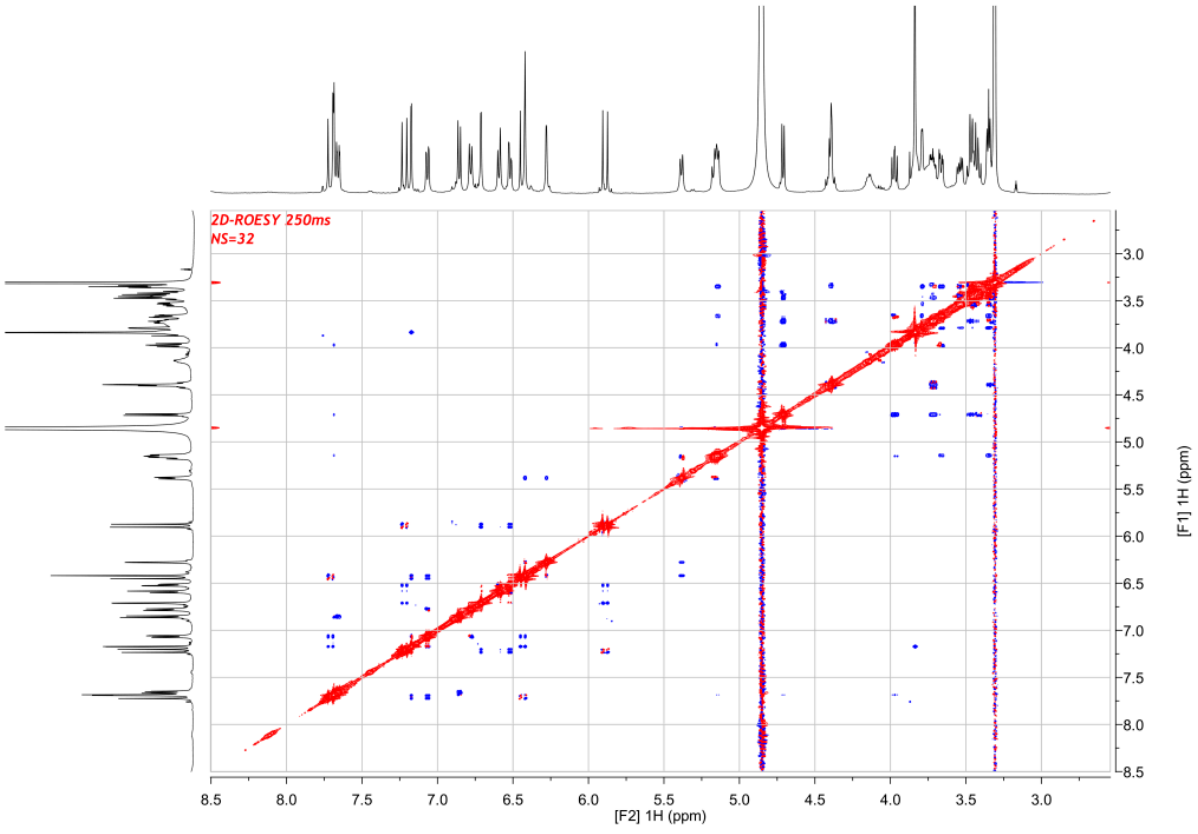


Figure S177. 2D *g*-HSQC-NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz, 125.77 MHz).

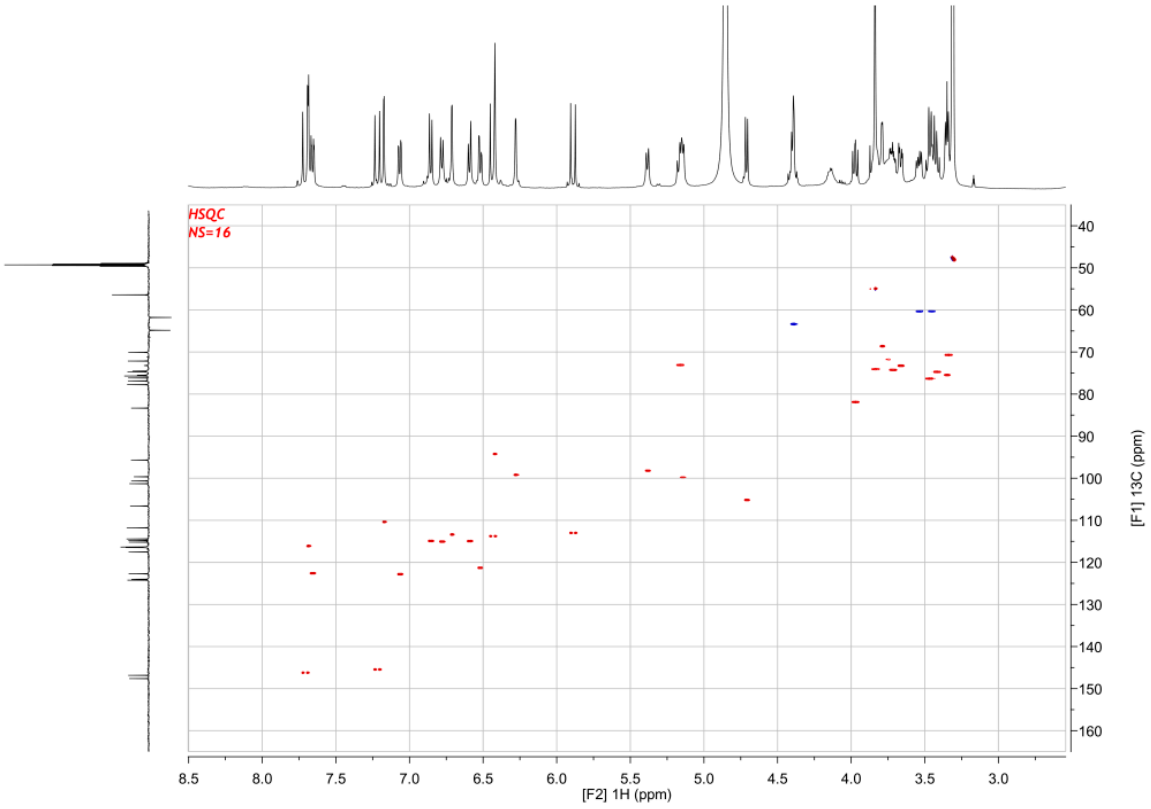


Figure S178. 2D *g*-HSQC-TOCSY NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz, 125.77 MHz).

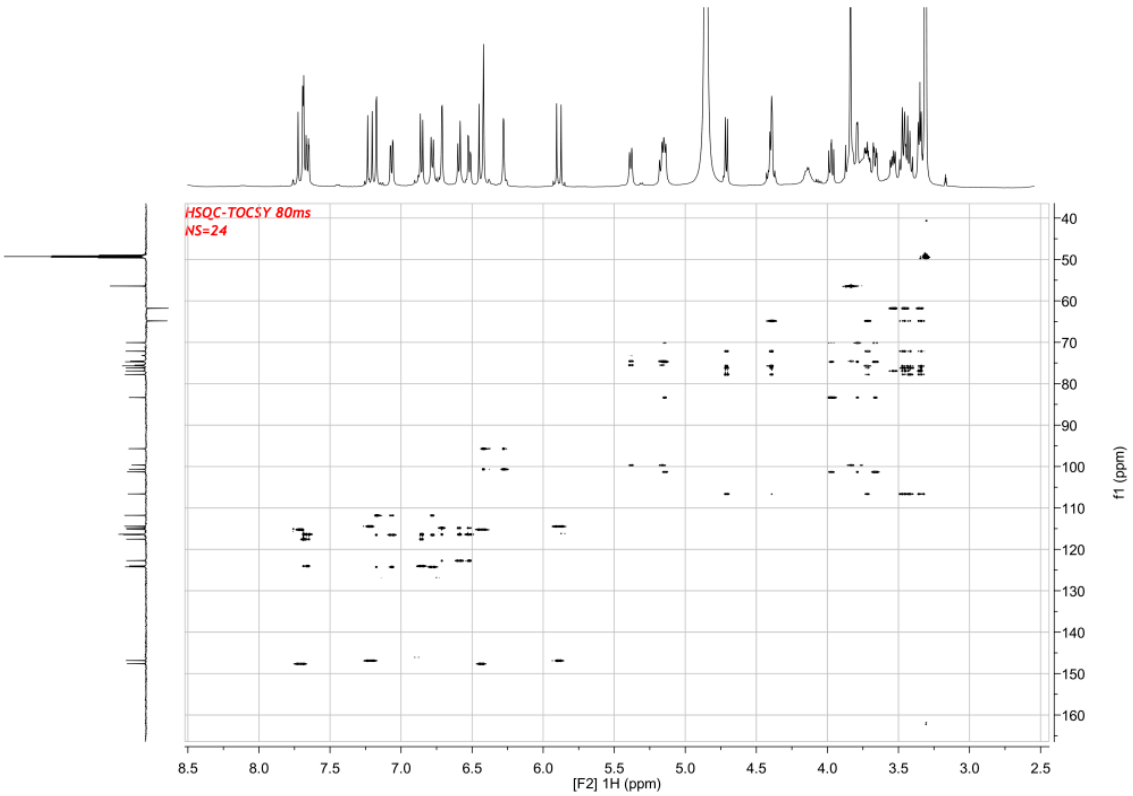


Figure S179. 2D *g*-HMBC-NMR spectrum of compound **17** (methanol-d_4, 500.18 MHz, 125.77 MHz).

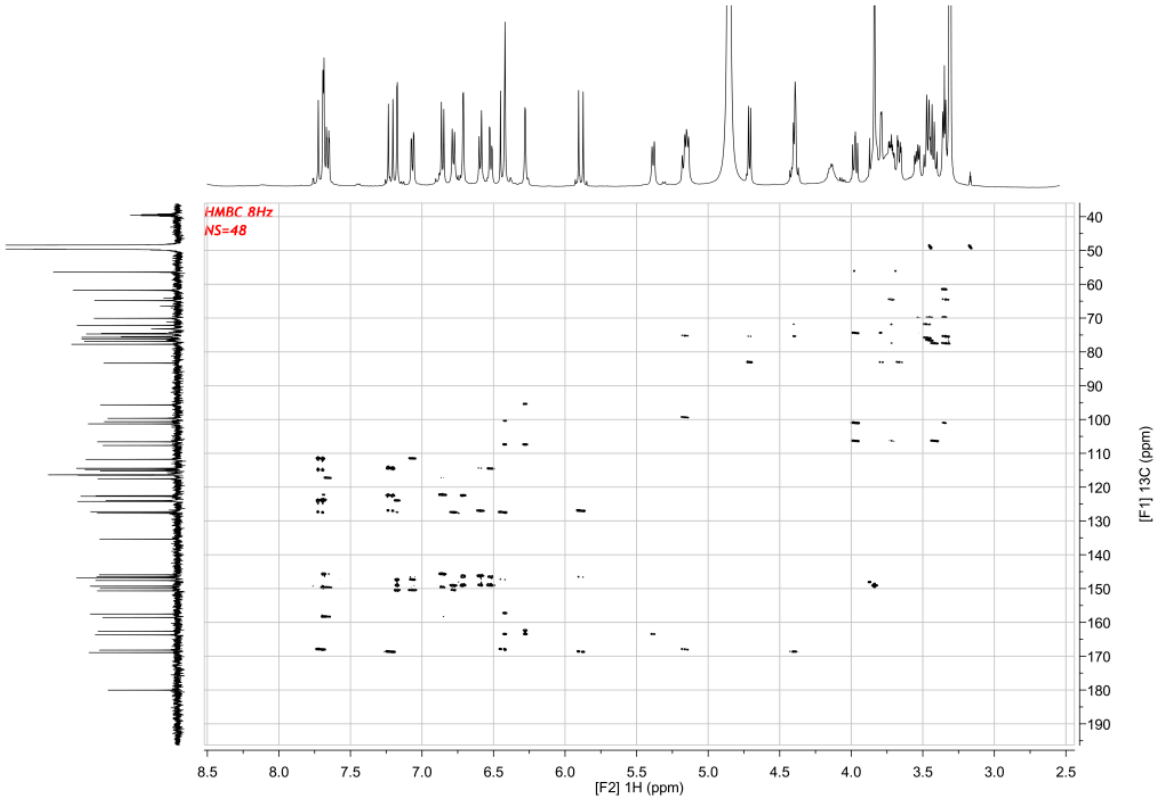


Figure S180. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **17** (methanol-d_4, 500.18 MHz).

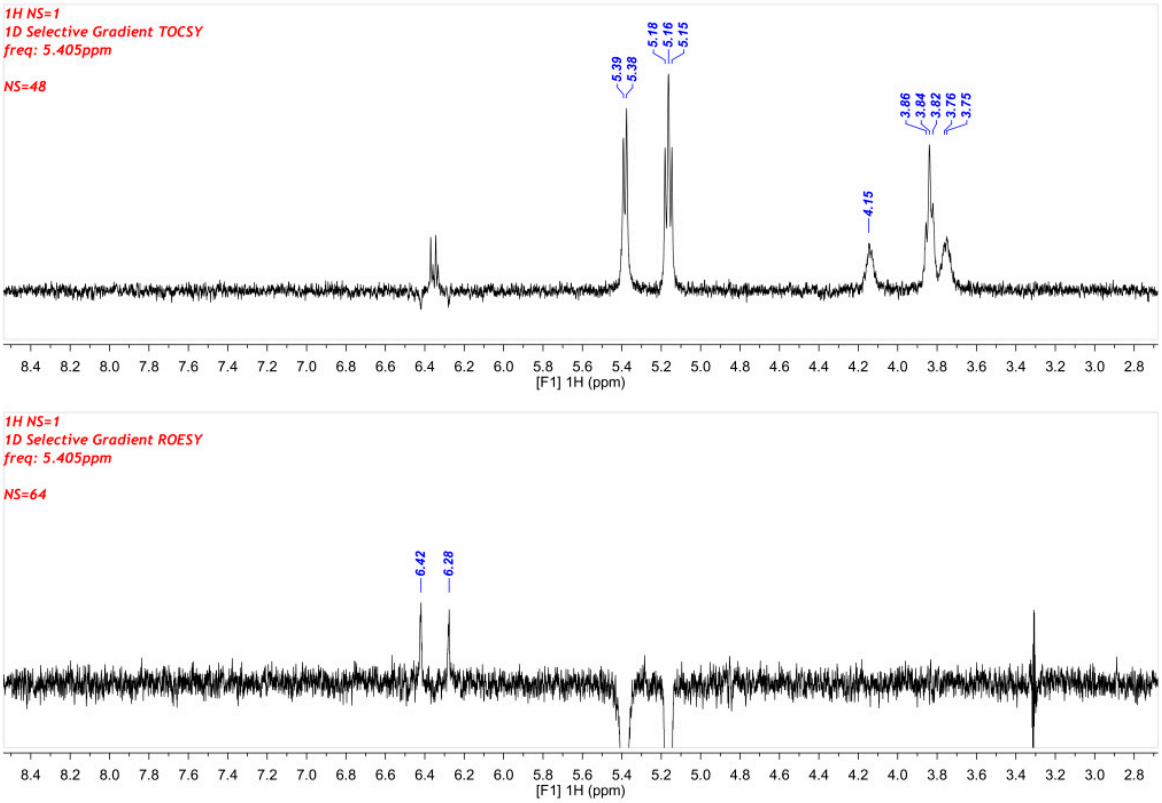


Figure S181. 1D TOCSY subspectrum of H-2$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **17** (methanol-d_4, 500.18 MHz).

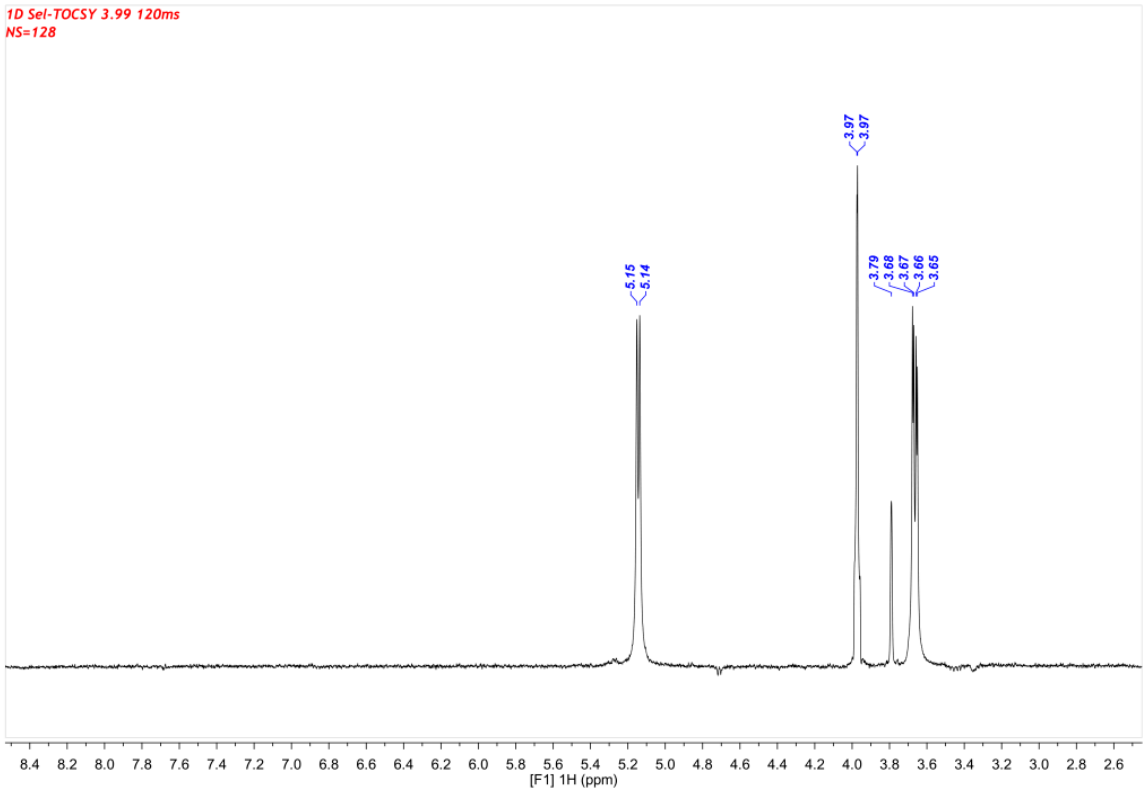
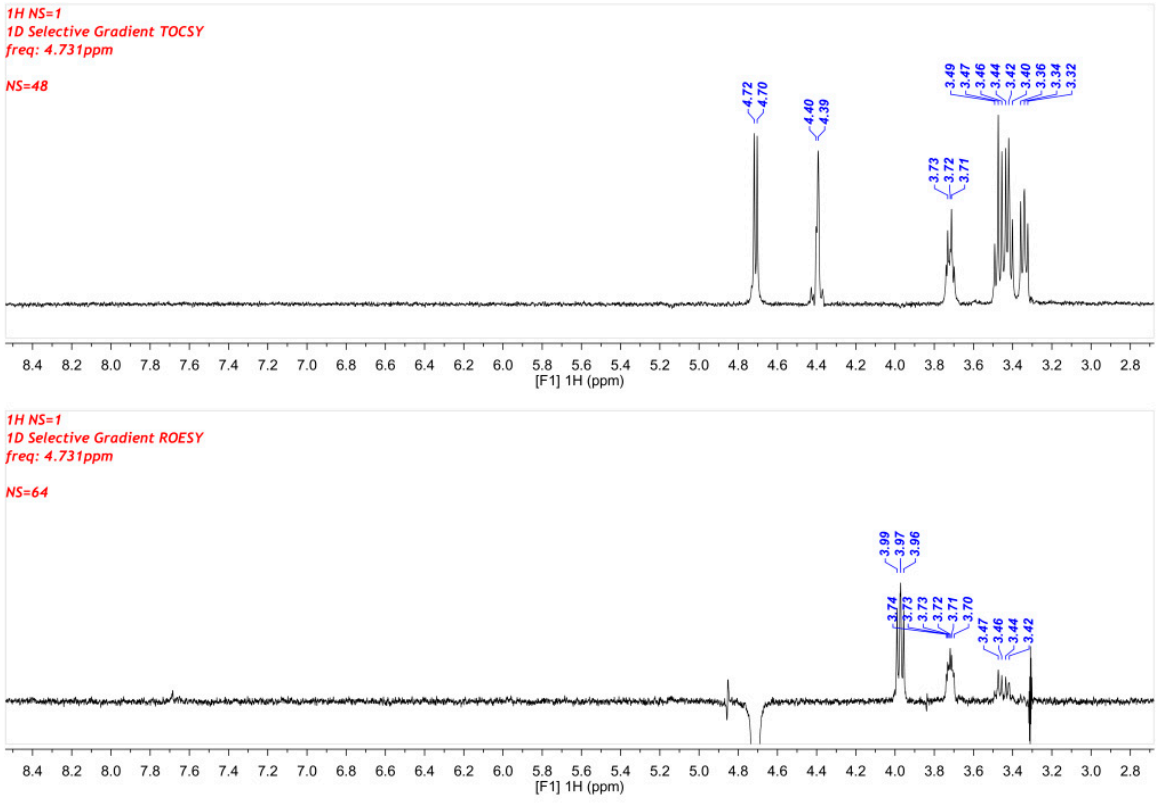


Figure S182. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **17** (methanol-d_4, 500.18 MHz).



Compound 18

Figure S183. 1D ^{1}H-NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz).

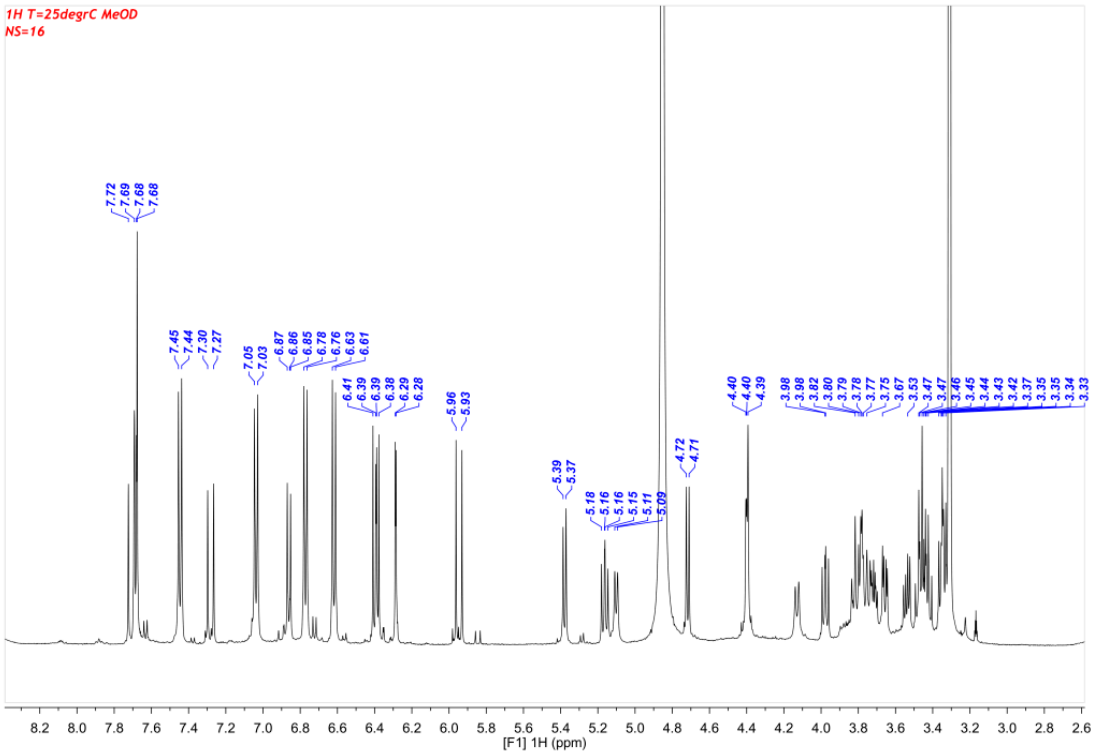


Figure S184. 1D ^{13}C-NMR spectra (1H decoupled and DEPT-135) of compound **18** (methanol-d_4, 125.77 MHz).

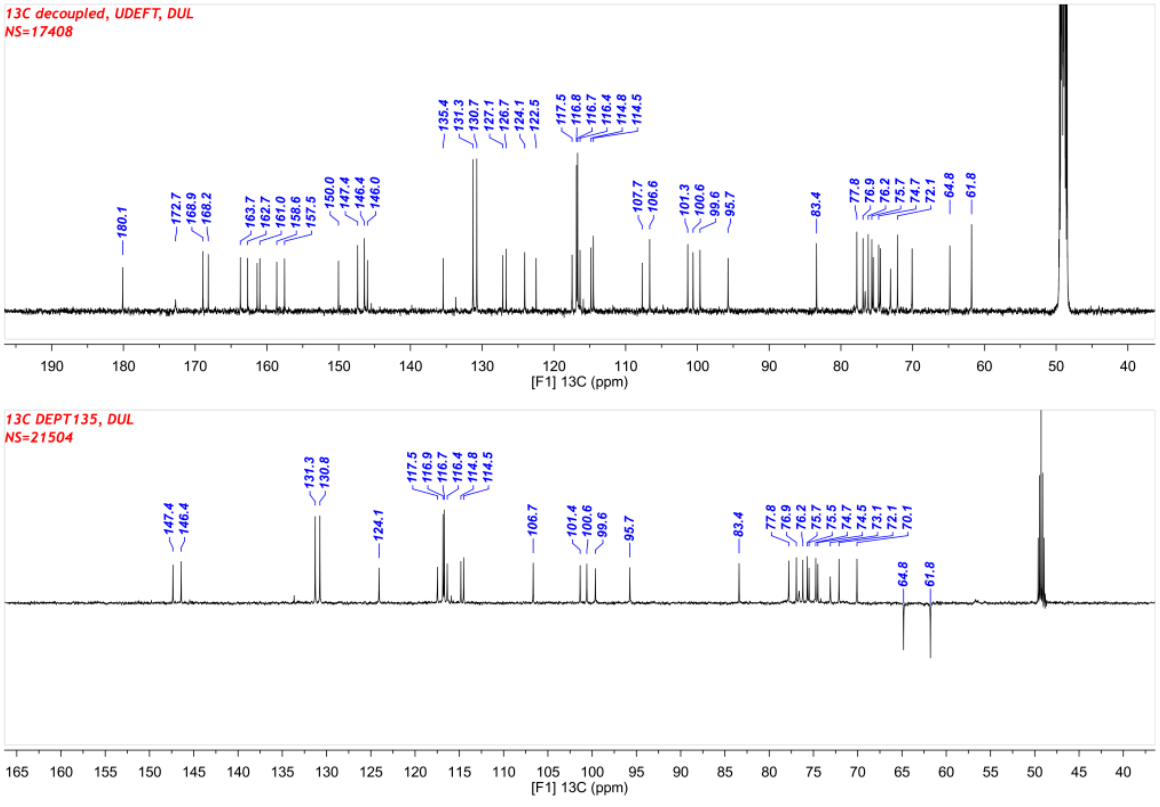


Figure S185. 2D *g*-COSY NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz).

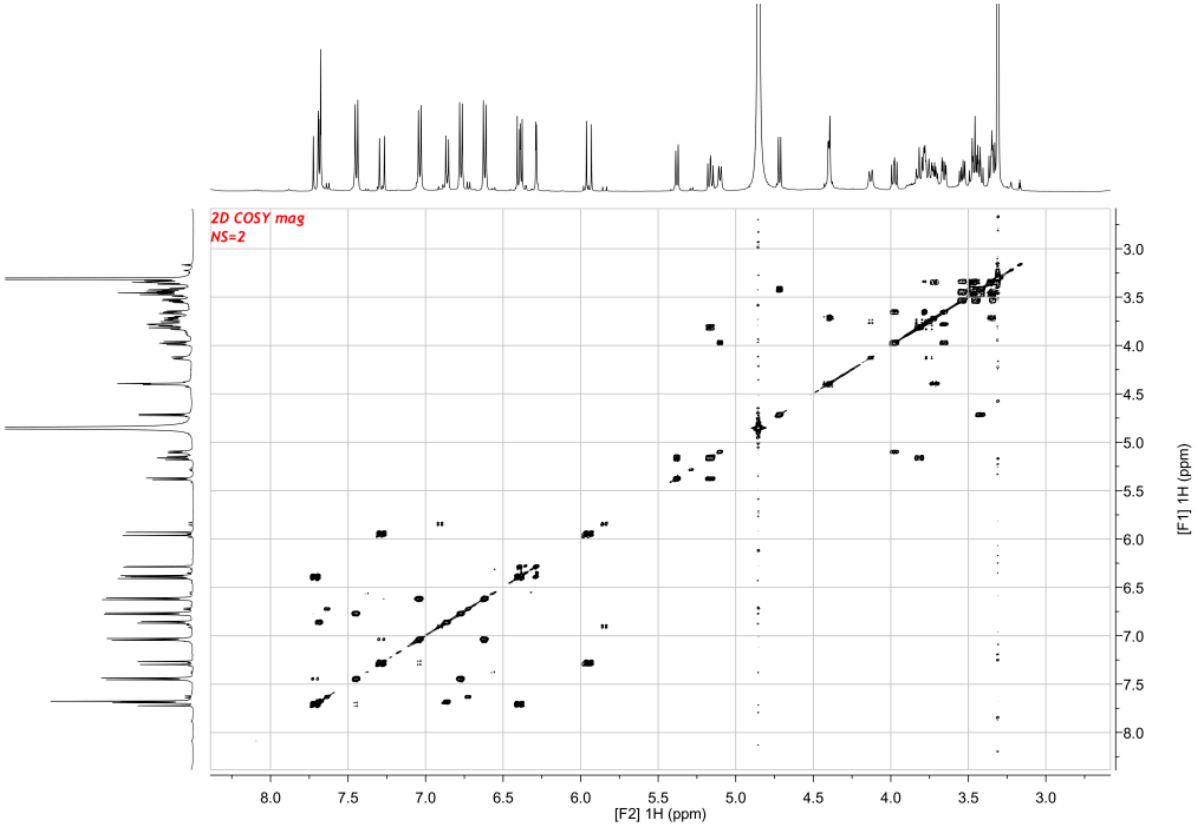


Figure S186. 2D TOCSY NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz).

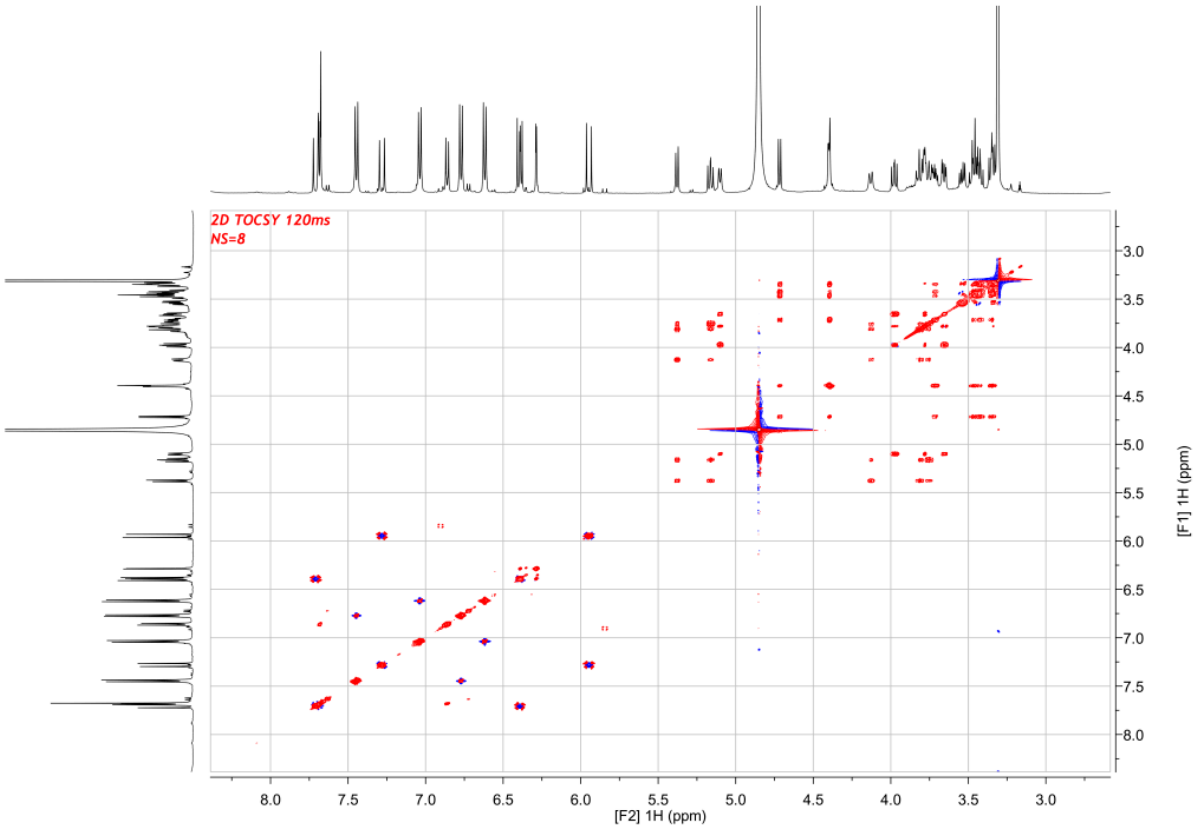


Figure S187. 2D ROESY NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz).

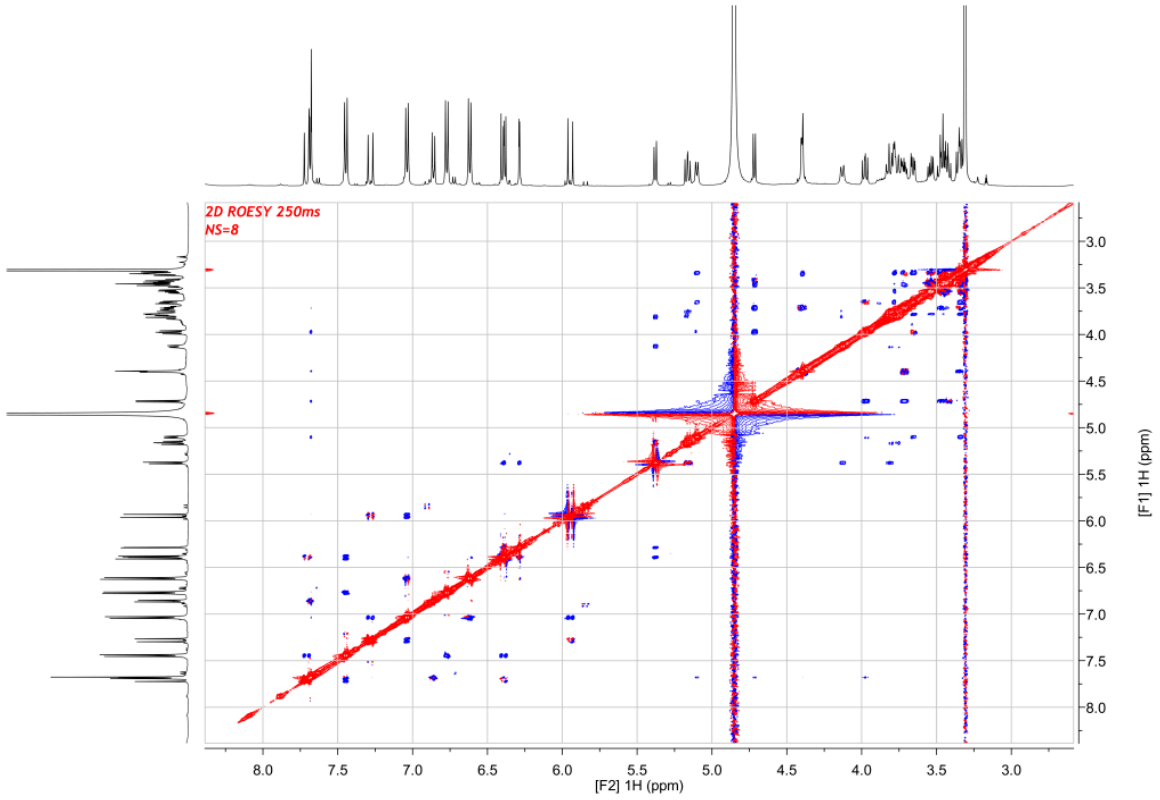


Figure S188. 2D *g*-HSQC-NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz, 125.77 MHz).

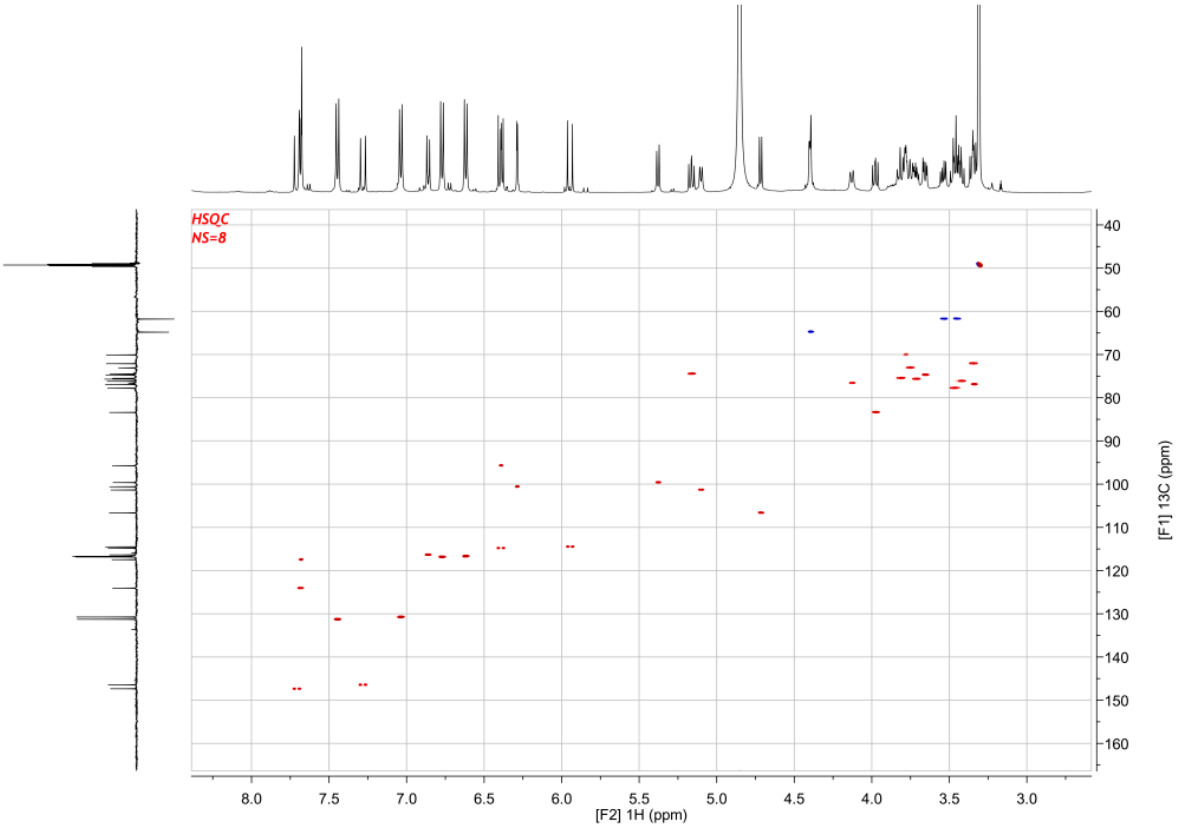


Figure S189. 2D *g*-HSQC-TOCSY NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz, 125.77 MHz).

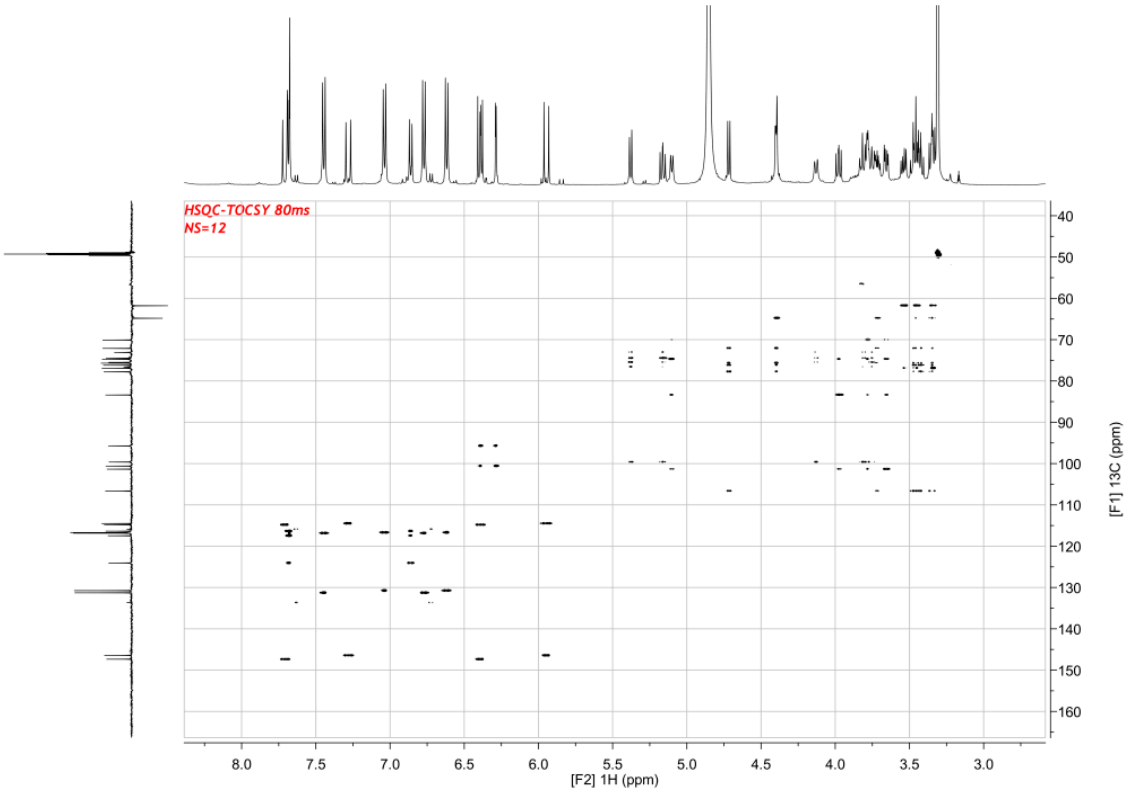


Figure S190. 2D *g*-HMBC-NMR spectrum of compound **18** (methanol-d_4, 500.18 MHz, 125.77 MHz).

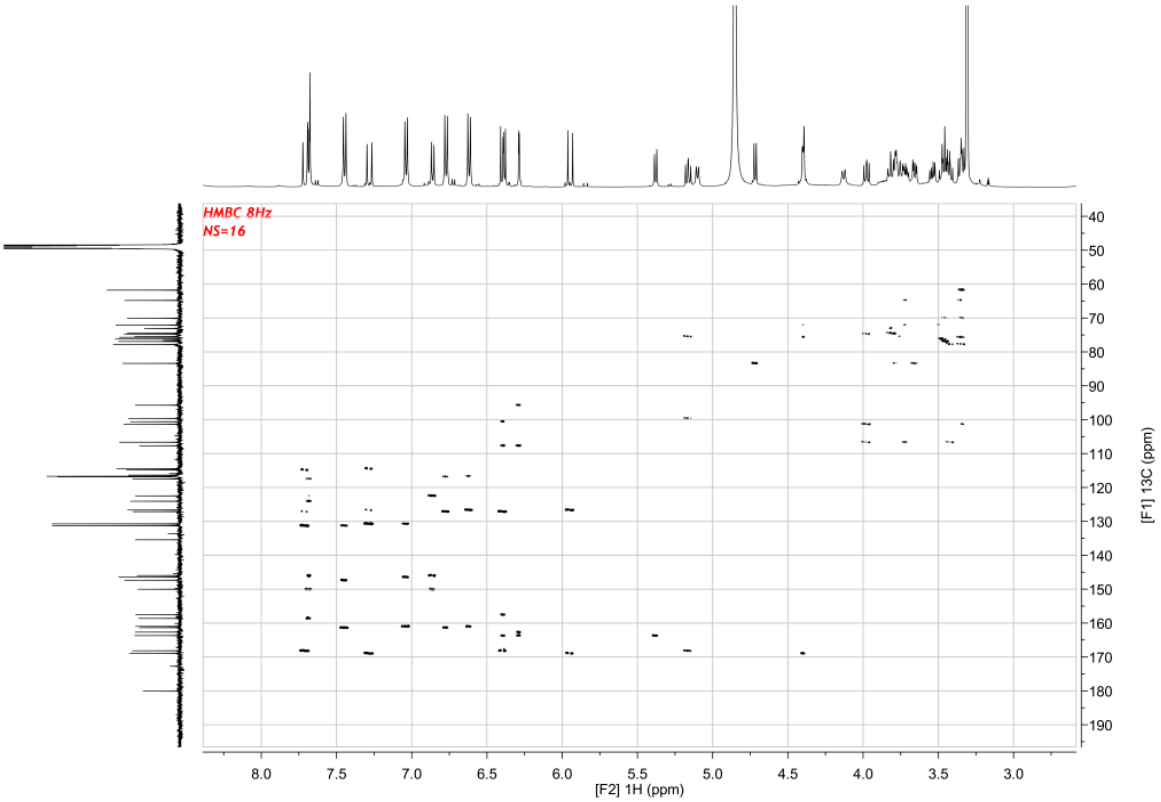


Figure S191. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(7\text{-}O\text{-}\beta\text{-GlcA})}$ in compound **18** (methanol-d_4, 500.18 MHz).

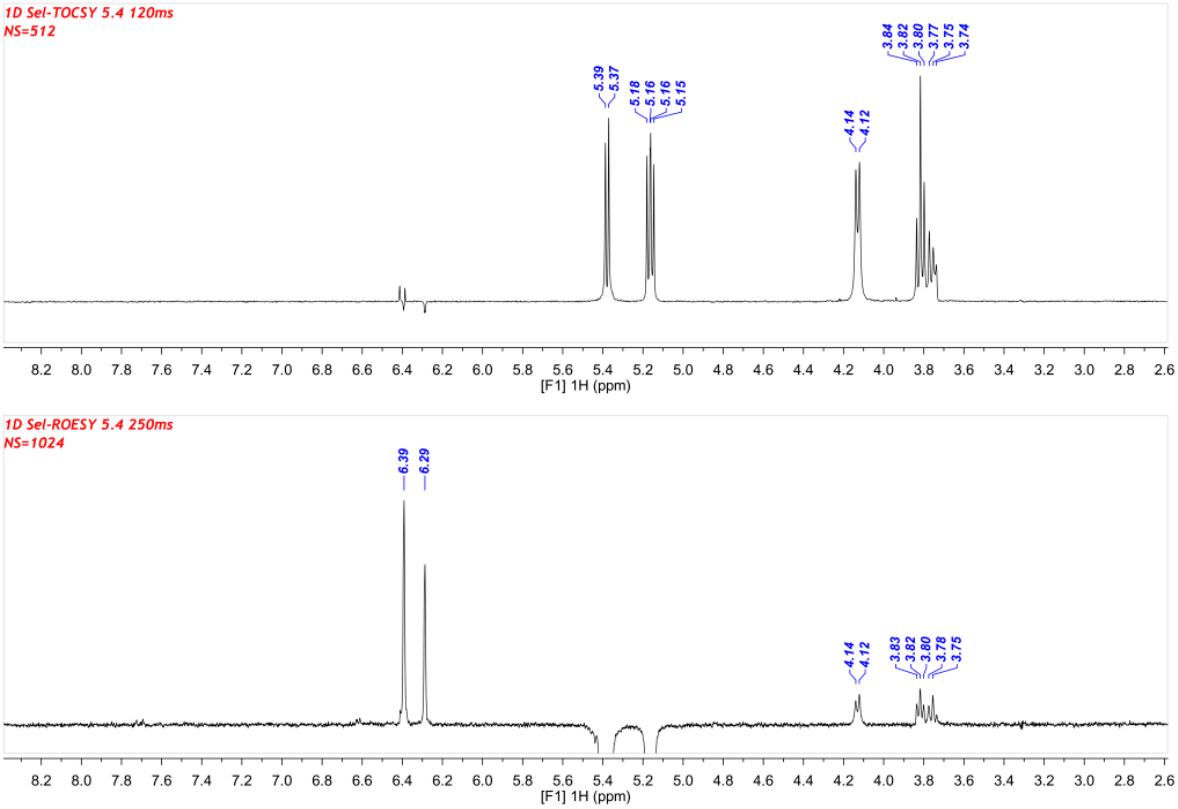


Figure S192. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(3\text{-}O\text{-}\beta\text{-Gal})}$ in compound **18** (methanol-d_4, 500.18 MHz).

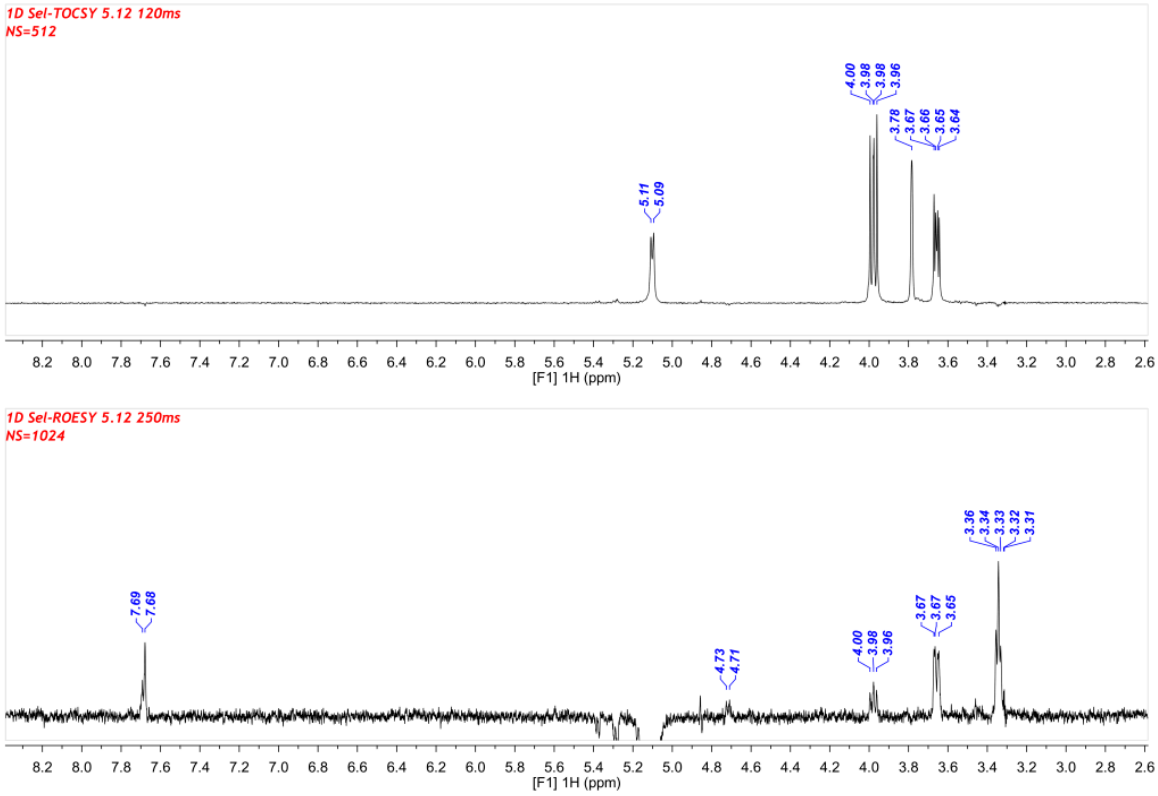


Figure S193. 1D TOCSY and 1D ROESY NMR subspectra of H-1$_{(2^{Gal}\text{-}O\text{-}\beta\text{-Glc})}$ in compound **18** (methanol-d_4, 500.18 MHz).

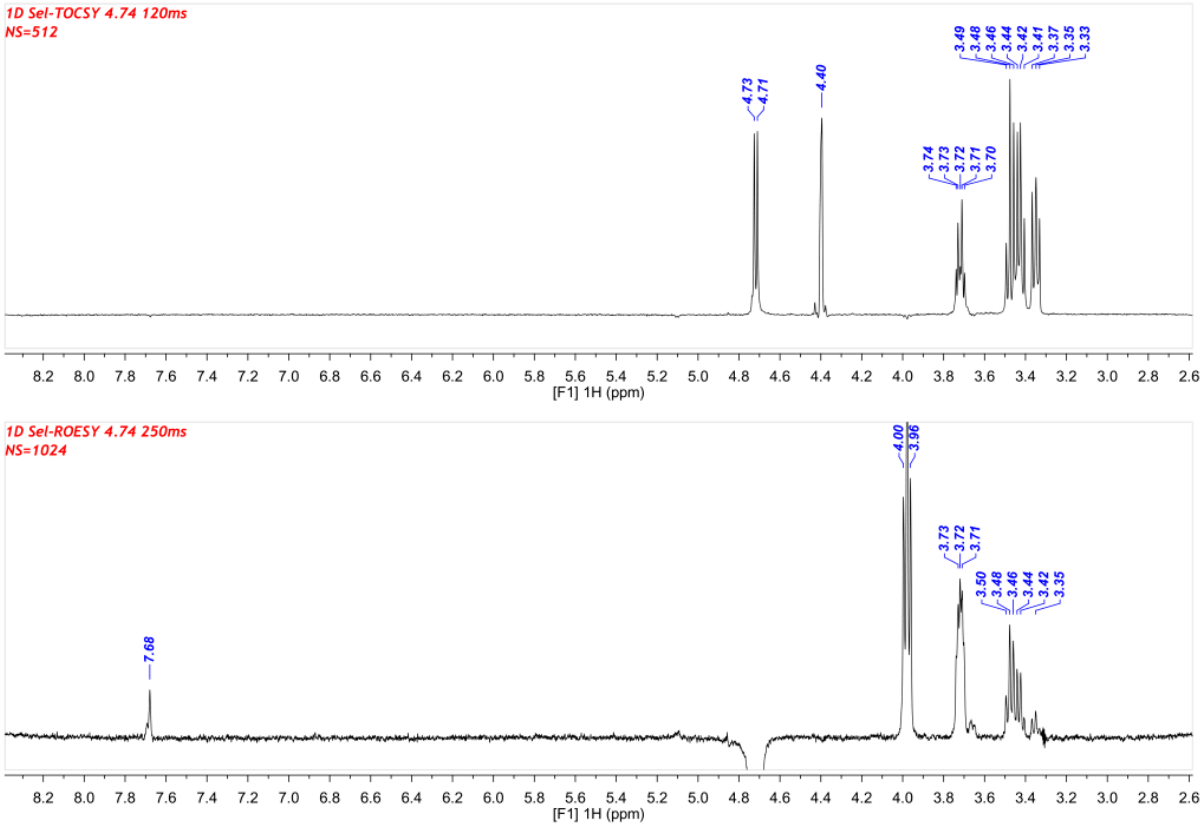


Figure S194. UPLC-MS chromatograms of phenolic acid reference standards.

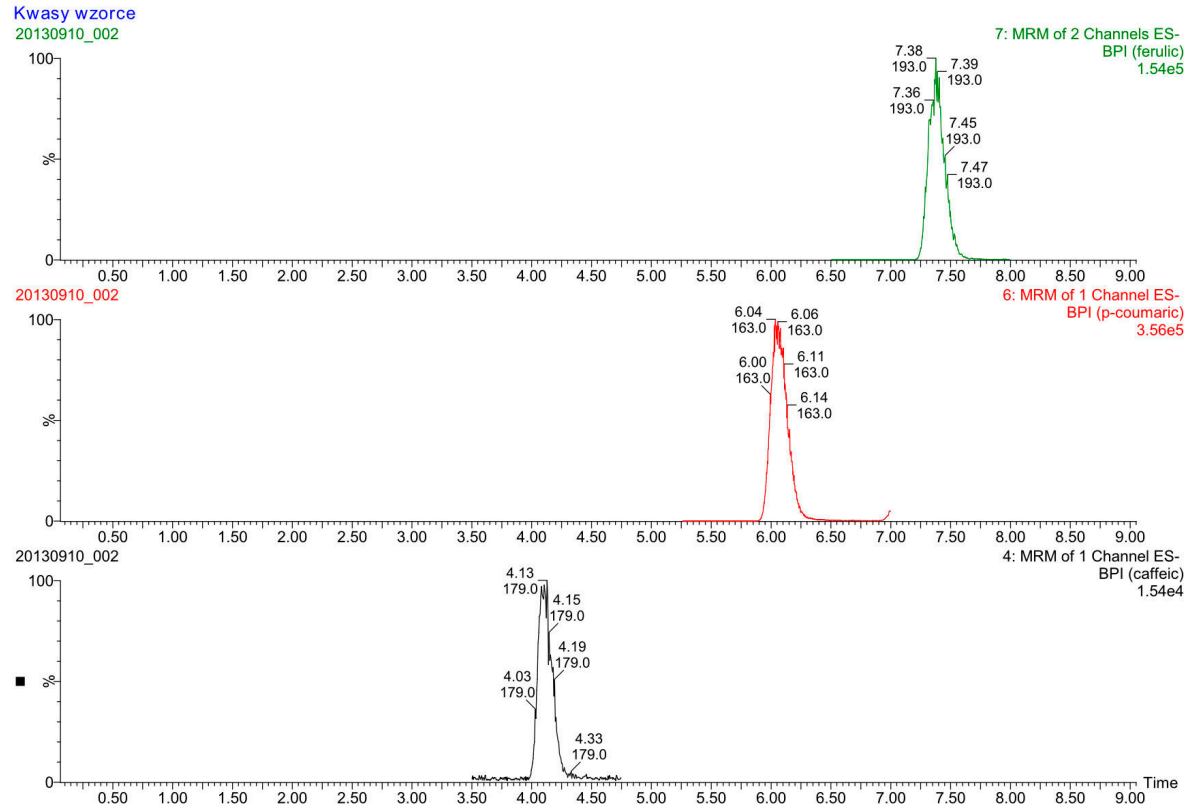


Figure S195. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **4**.

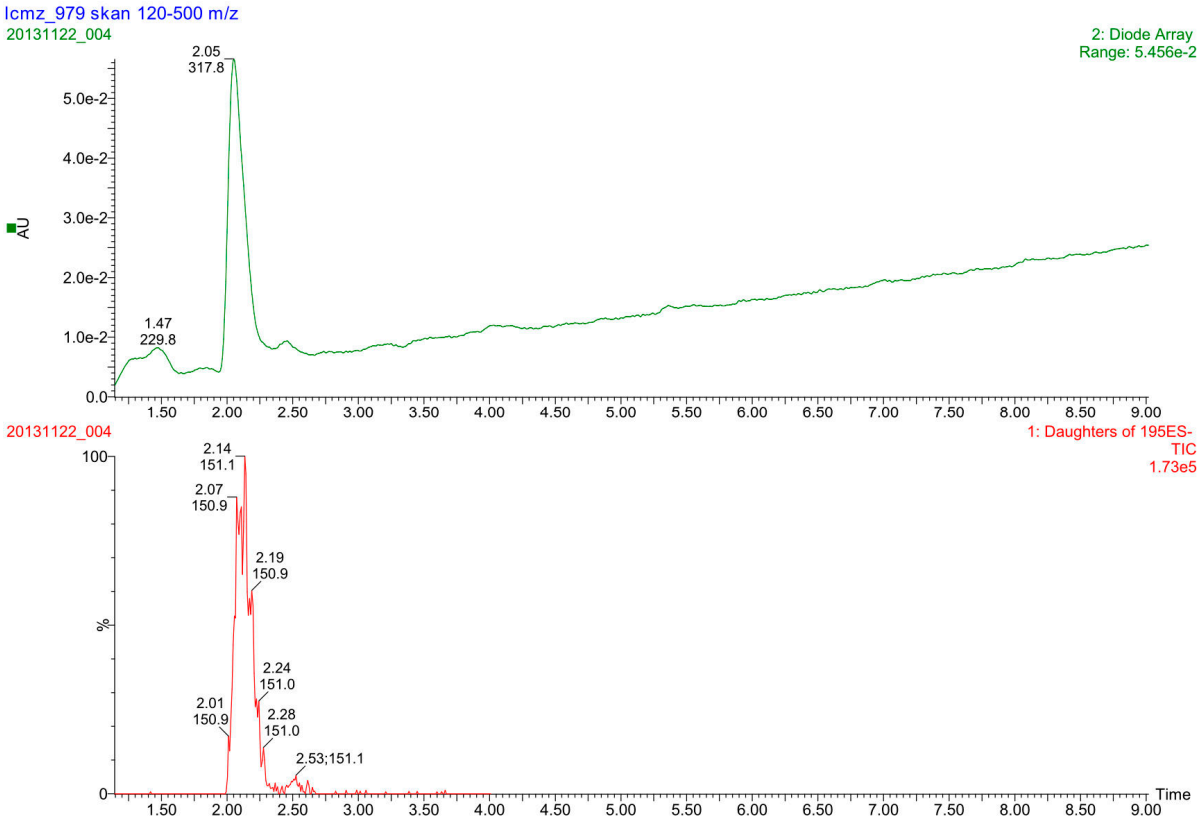


Figure S196. The UV spectrum of the putative 3,4,5-trihydroxycinnamic acid.

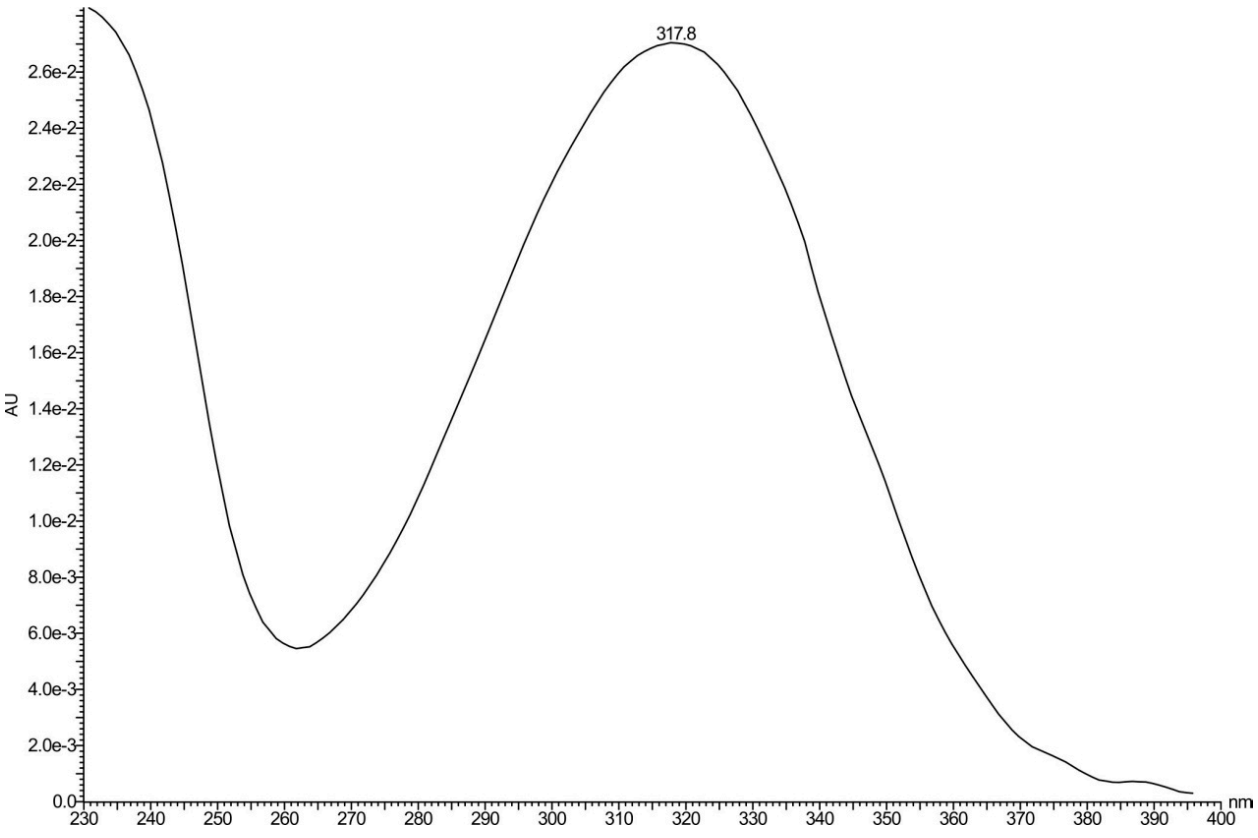


Figure S197. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **5**.

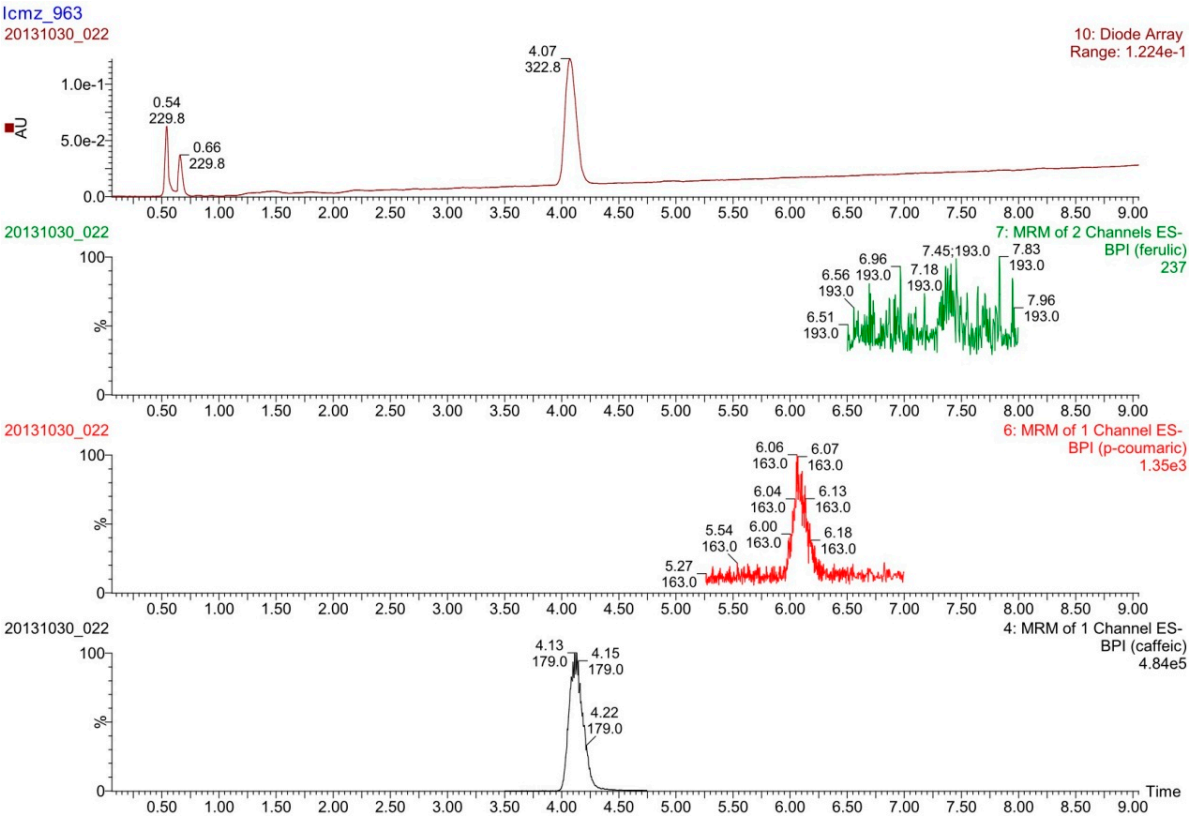


Figure S198. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **6**.

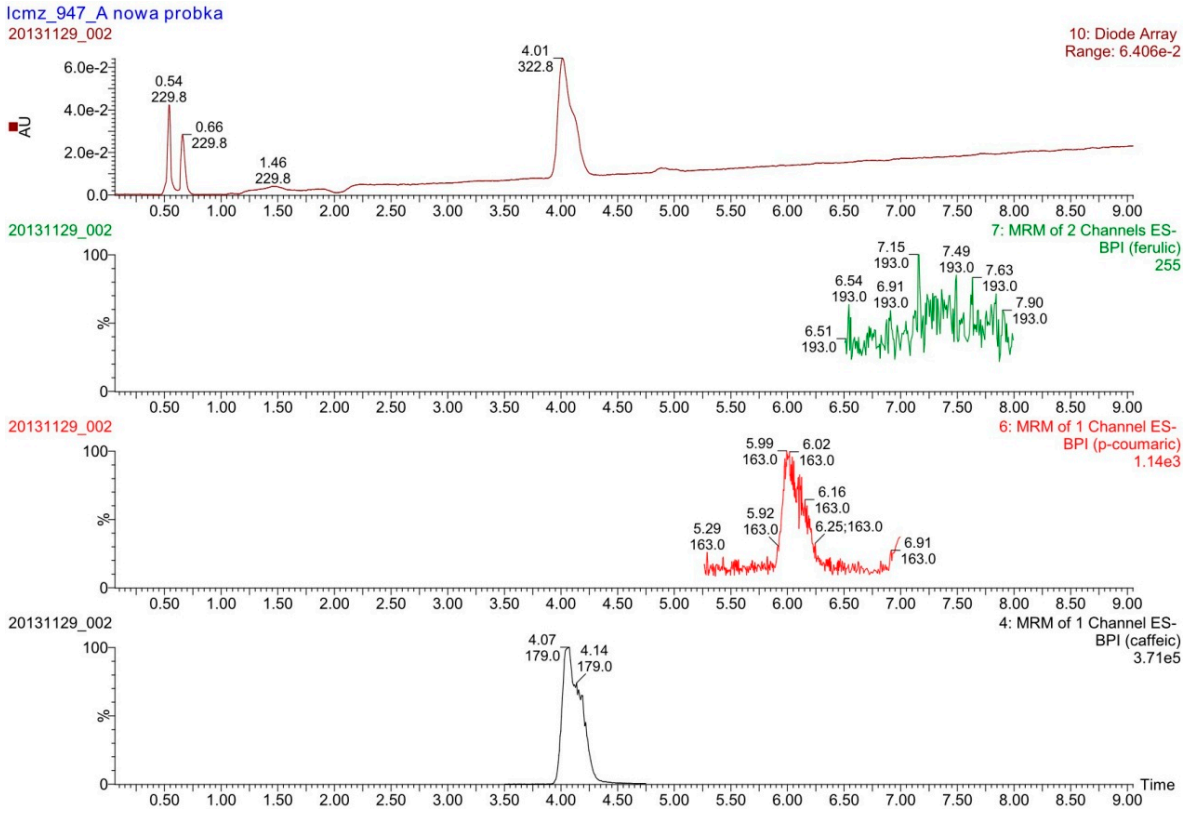


Figure S199. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **7**.

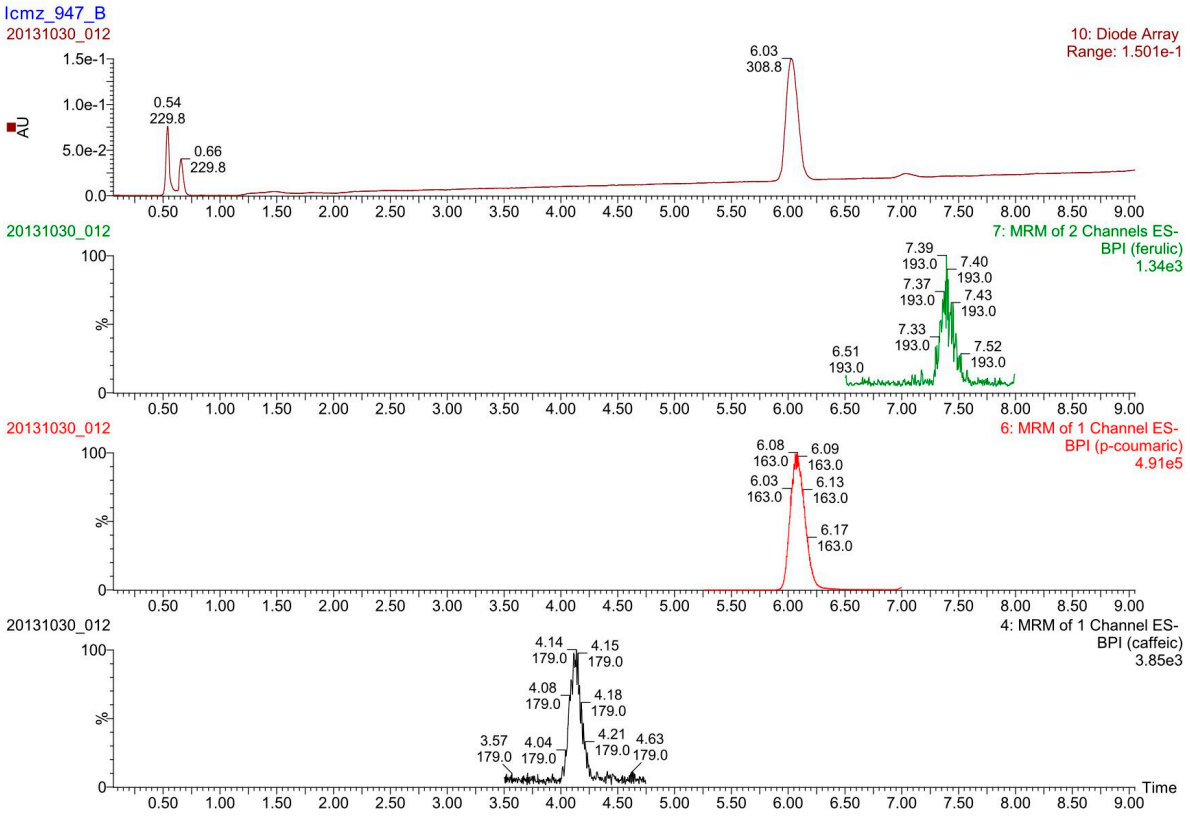


Figure S200. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **8**.

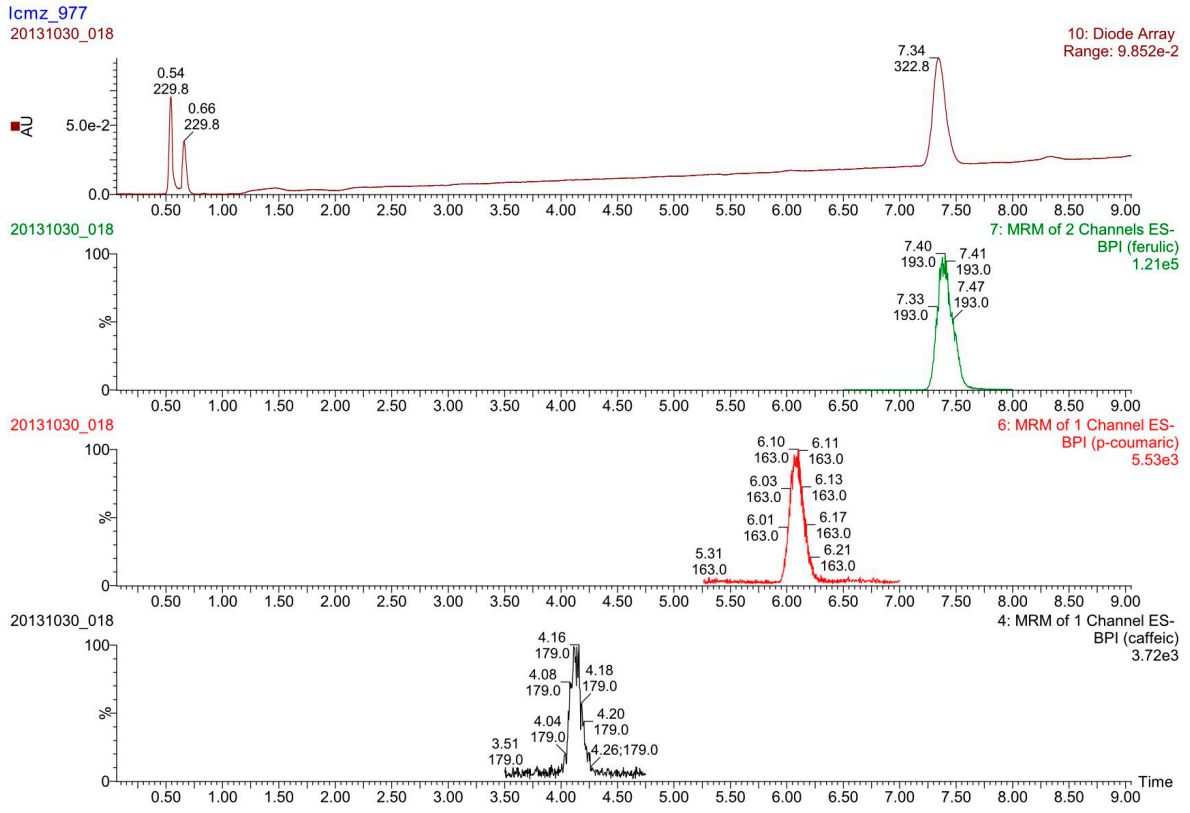


Figure S201. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **9**.

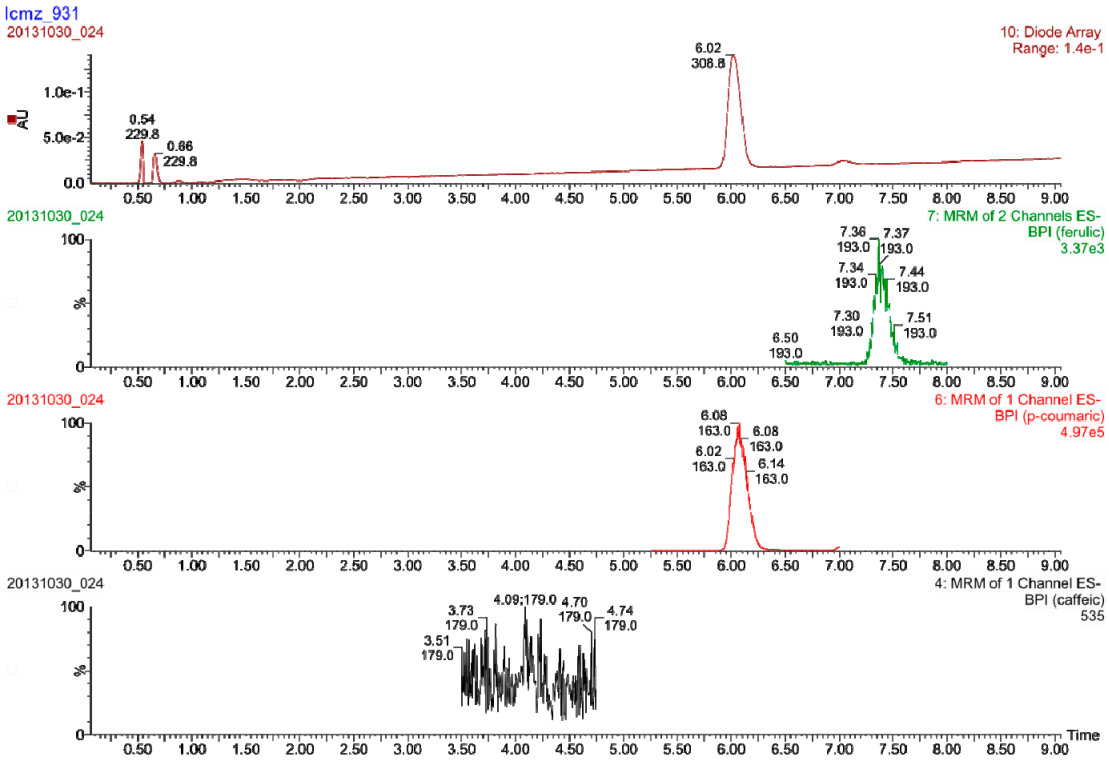


Figure S202. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **10**.

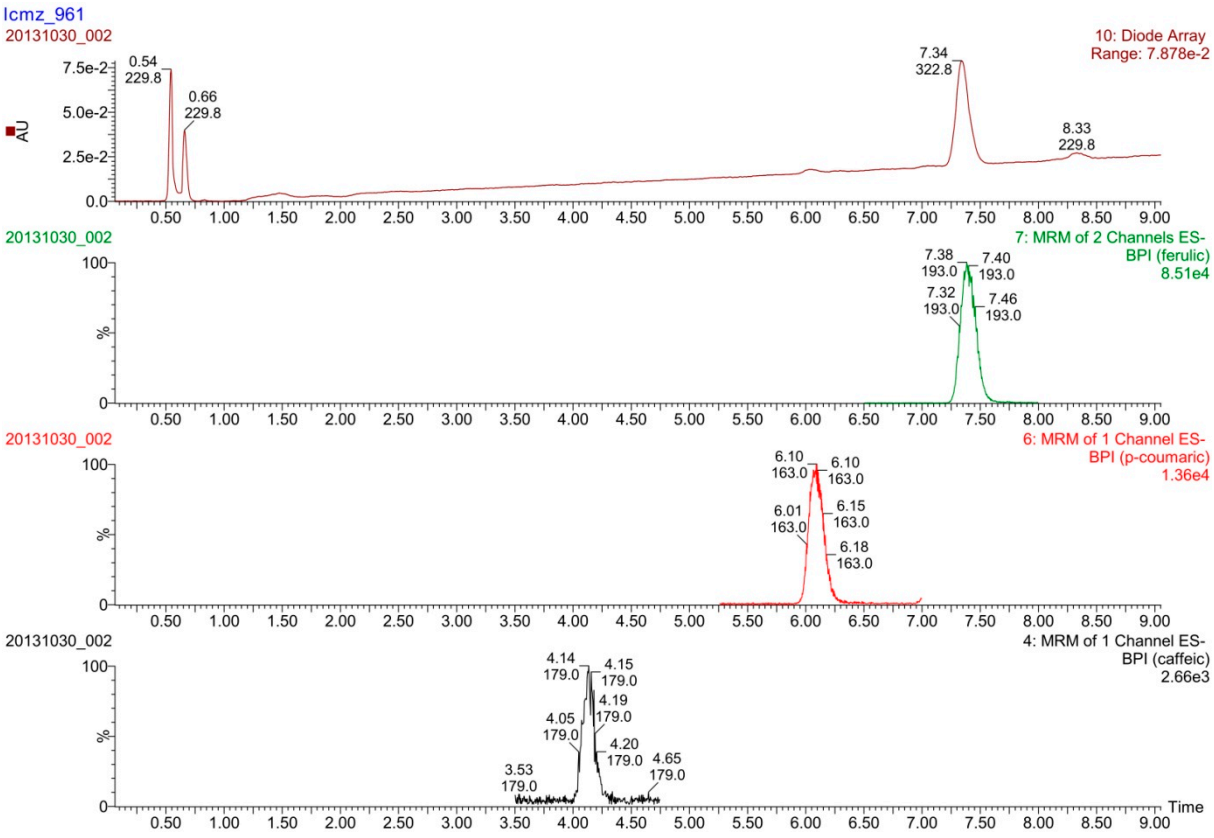


Figure S203. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **11**.

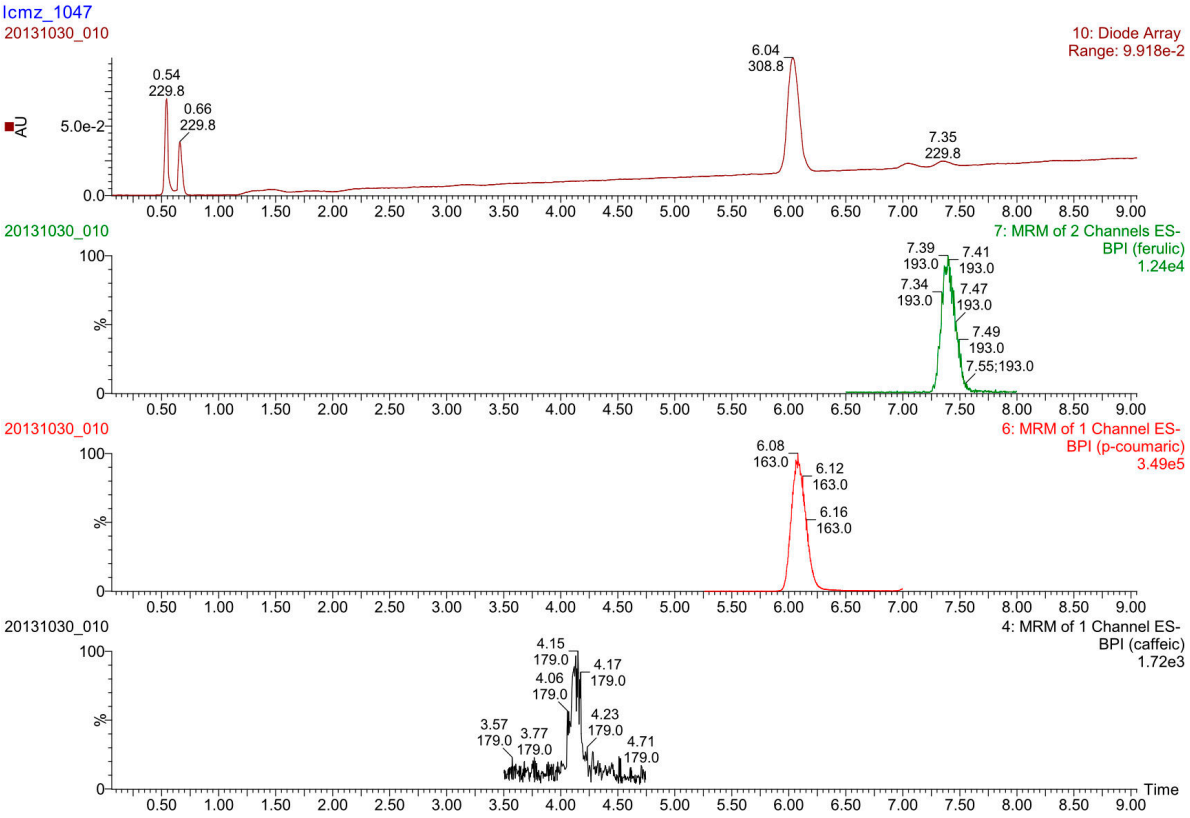


Figure S204. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **12**.

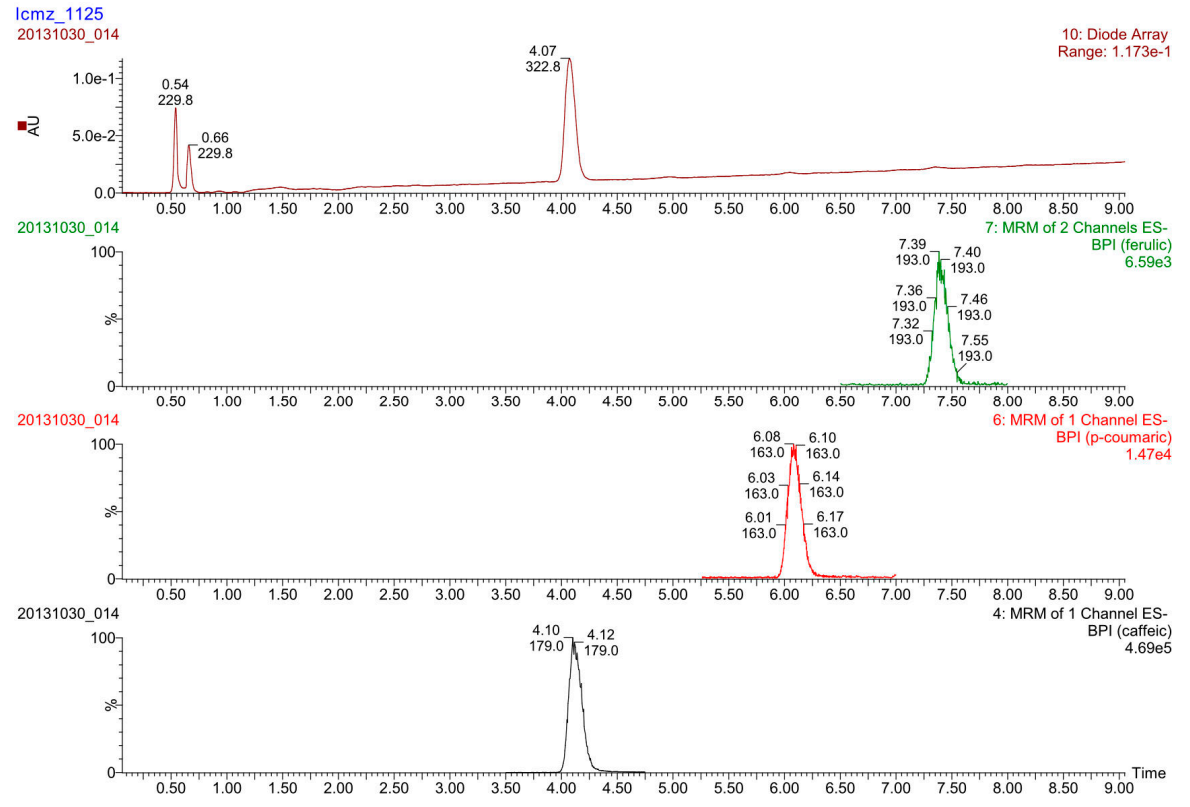


Figure S205. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **13**.

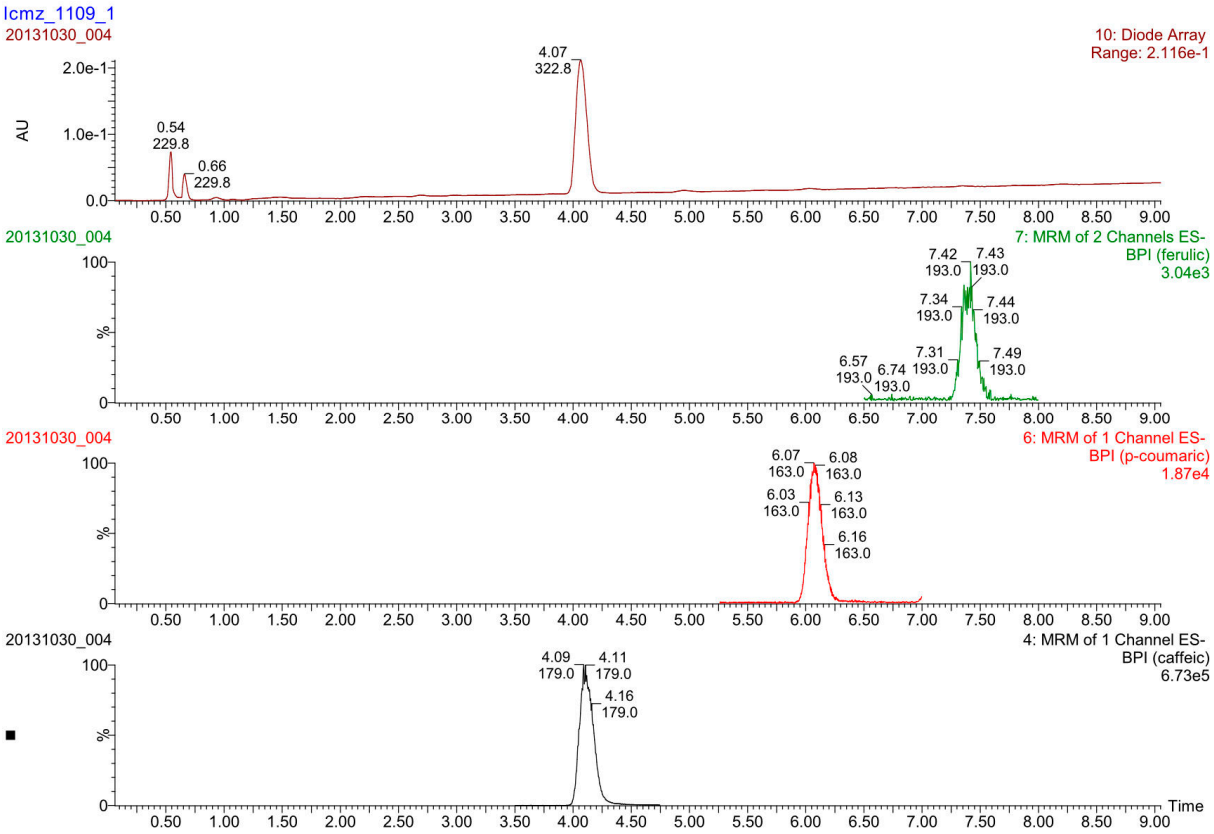


Figure S206. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **14**.

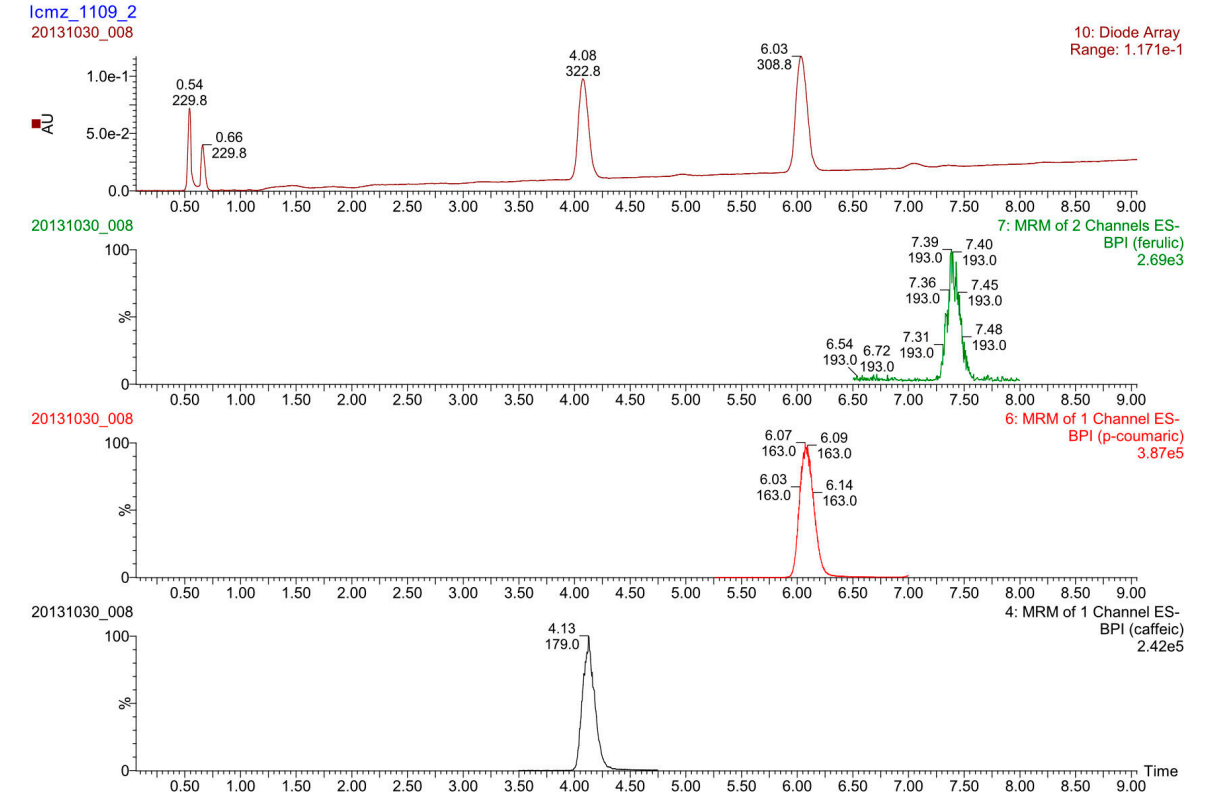


Figure S207. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **15**.

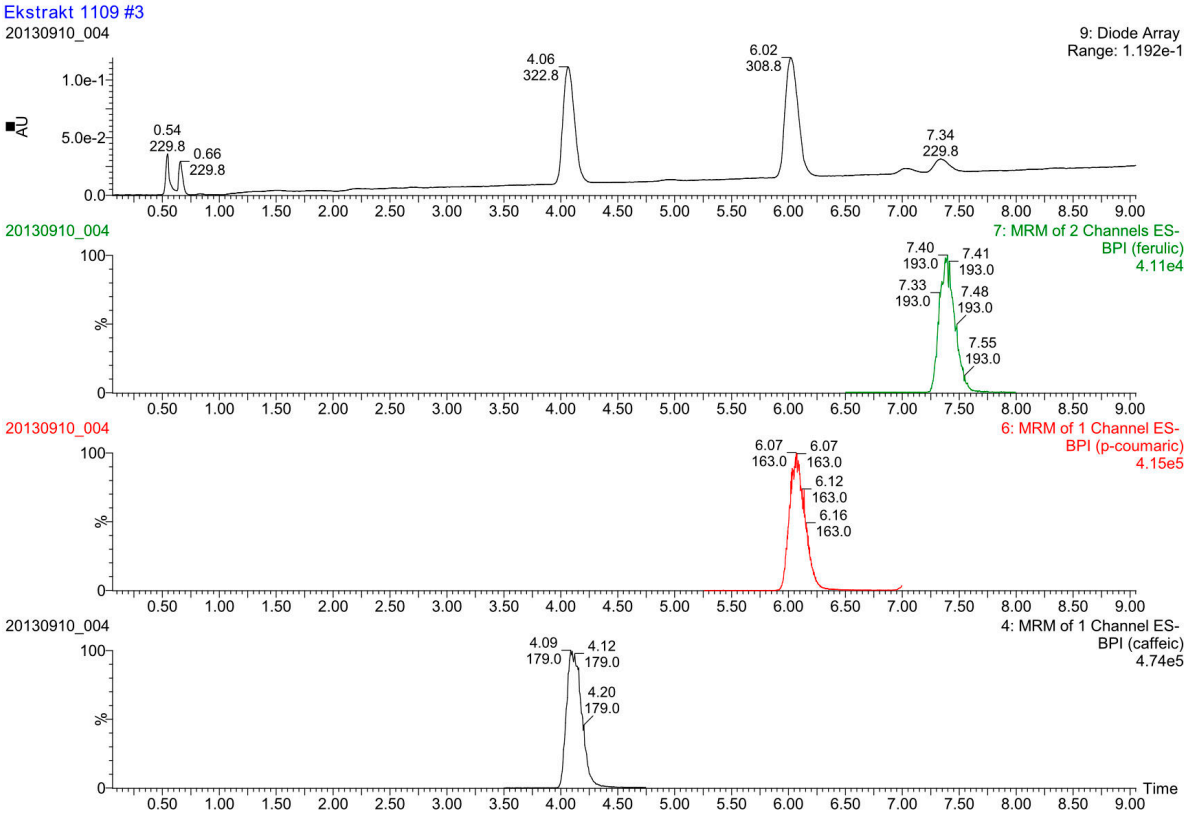


Figure S208. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **17**.

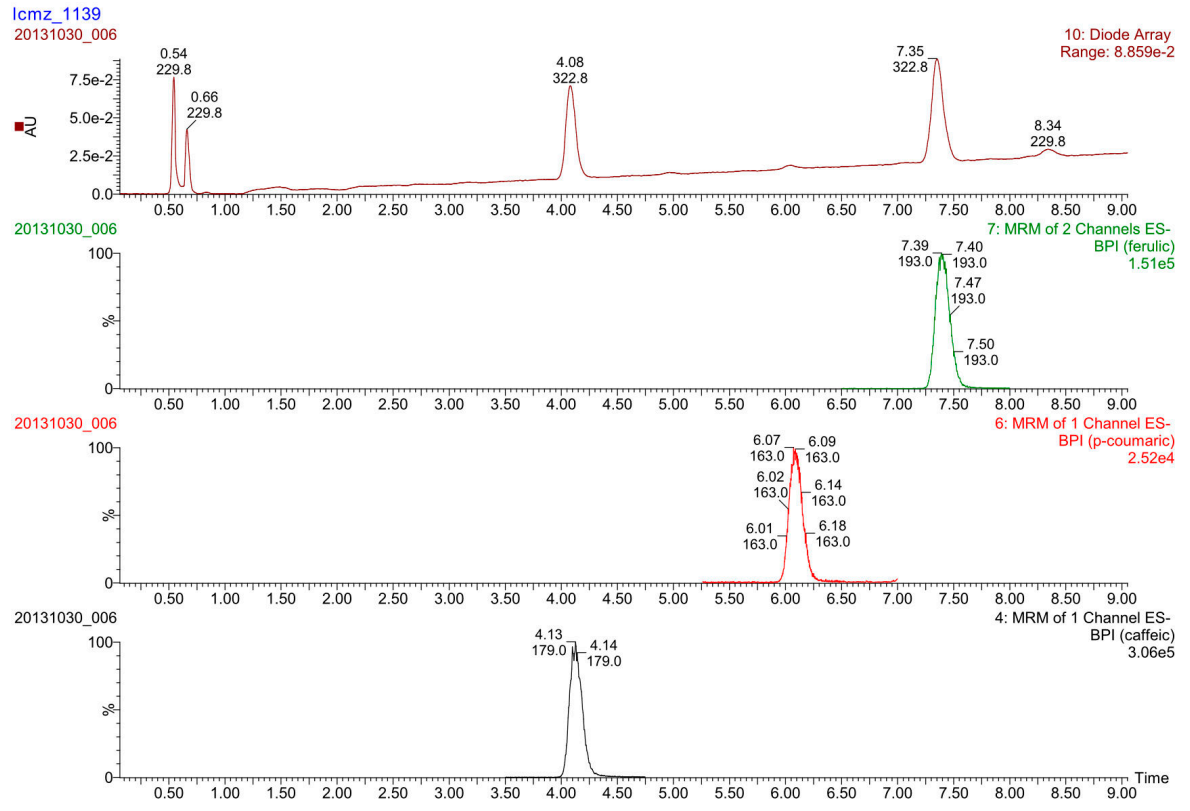


Figure S209. UPLC-MS chromatograms of phenolic acids released during alkaline hydrolysis of the compound **18**.

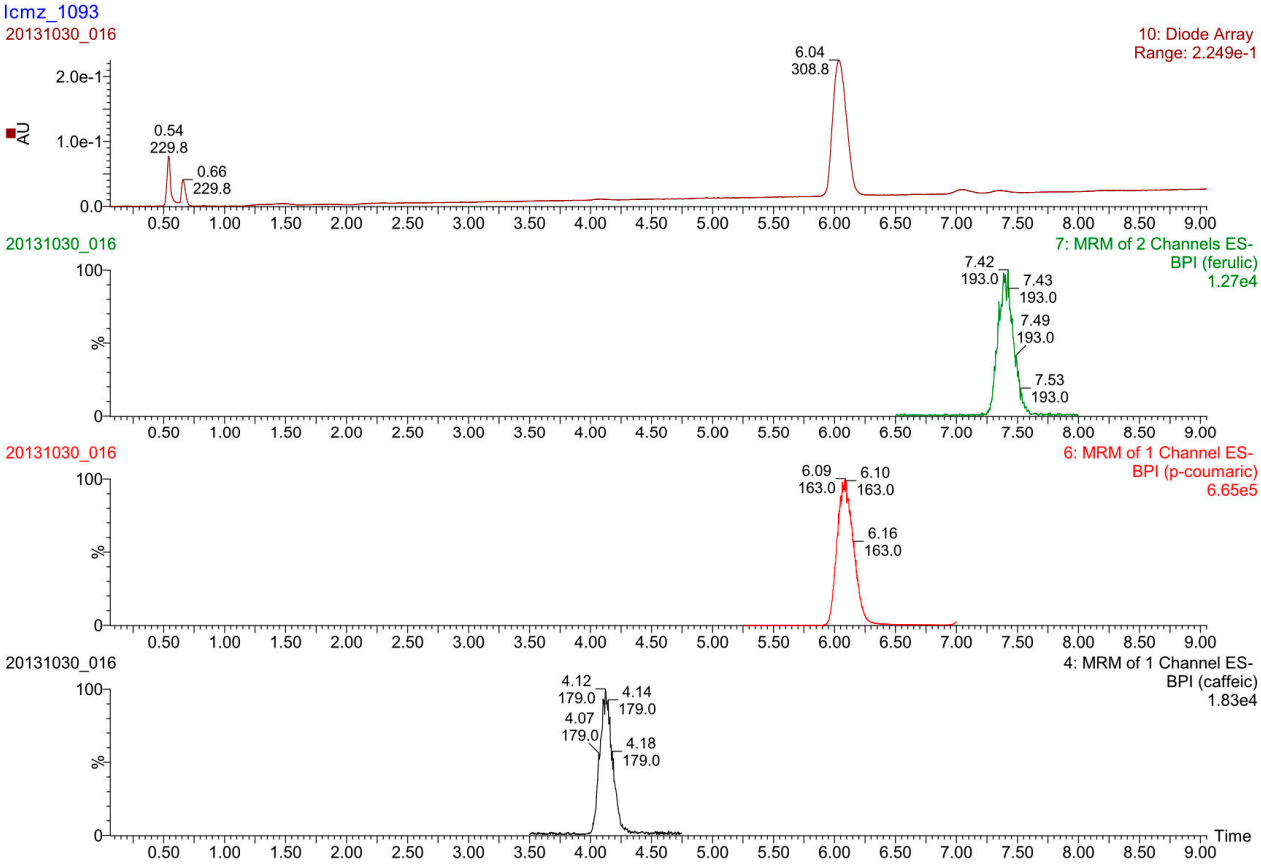


Figure S210. UPLC-MS chromatograms of the sugar standards.

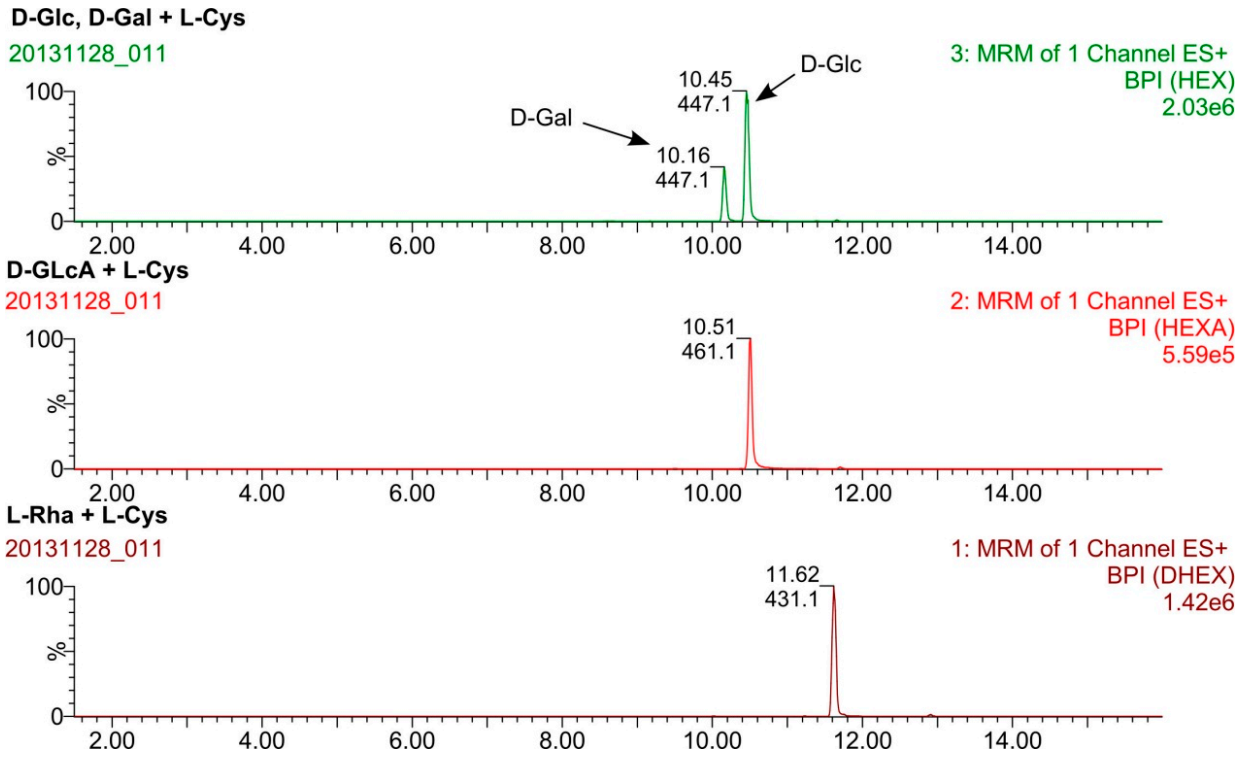
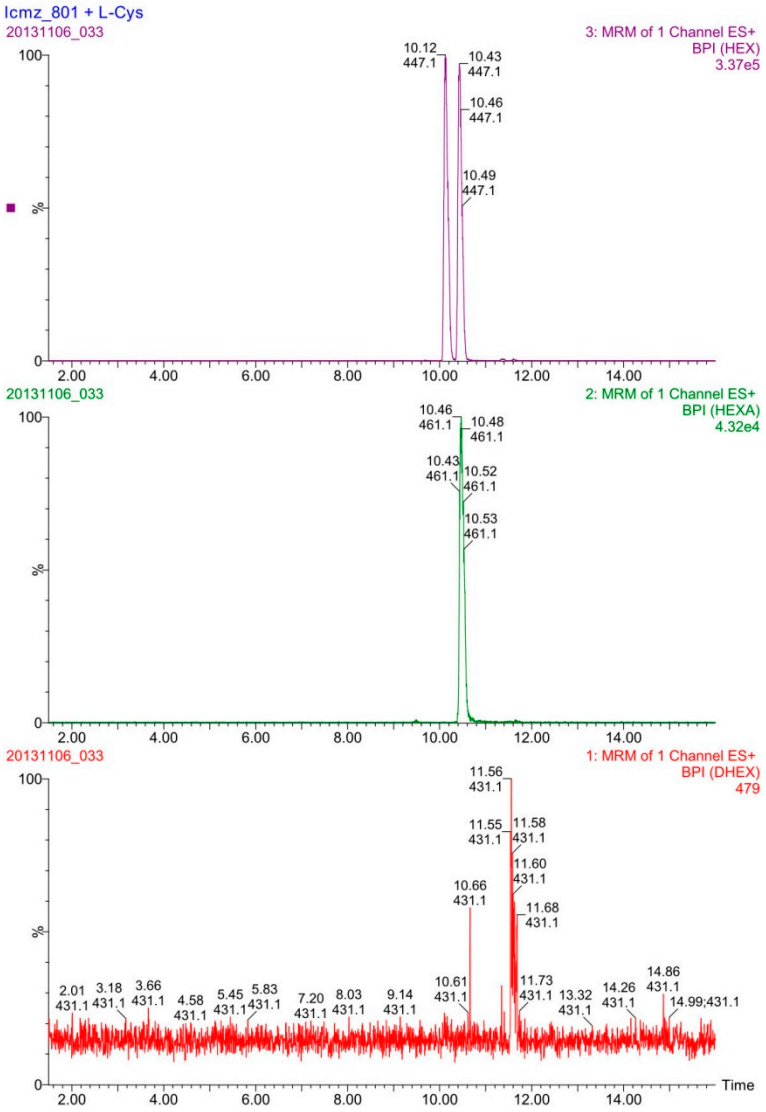


Figure S211. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **1**.



It can be noticed that heights of peaks of D-glucuronic acid, obtained for the samples of sugars released from the flavonoids **1**, **3**, **4**–**10**, **12**–**15**, **17**, and **18,** were distinctly lower than those of D-glucose and D-galactose. This may be explained by the fact that 7-*O*-glucuronides of flavonols are much less susceptible to acid hydrolysis than their 7-*O*-glucosides, and especially 7-*O*-rhamnosides (Mabry, T.J.; Markham, K.R.; Thomas, M.B. The aglycone and sugar analysis of flavonoid glycosides. In *The Systematic Identification of Flavonoids*; Springer: Berlin/Heidelberg, Germany, **1970**; pp. 23–32).

Figure S212. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **3**.

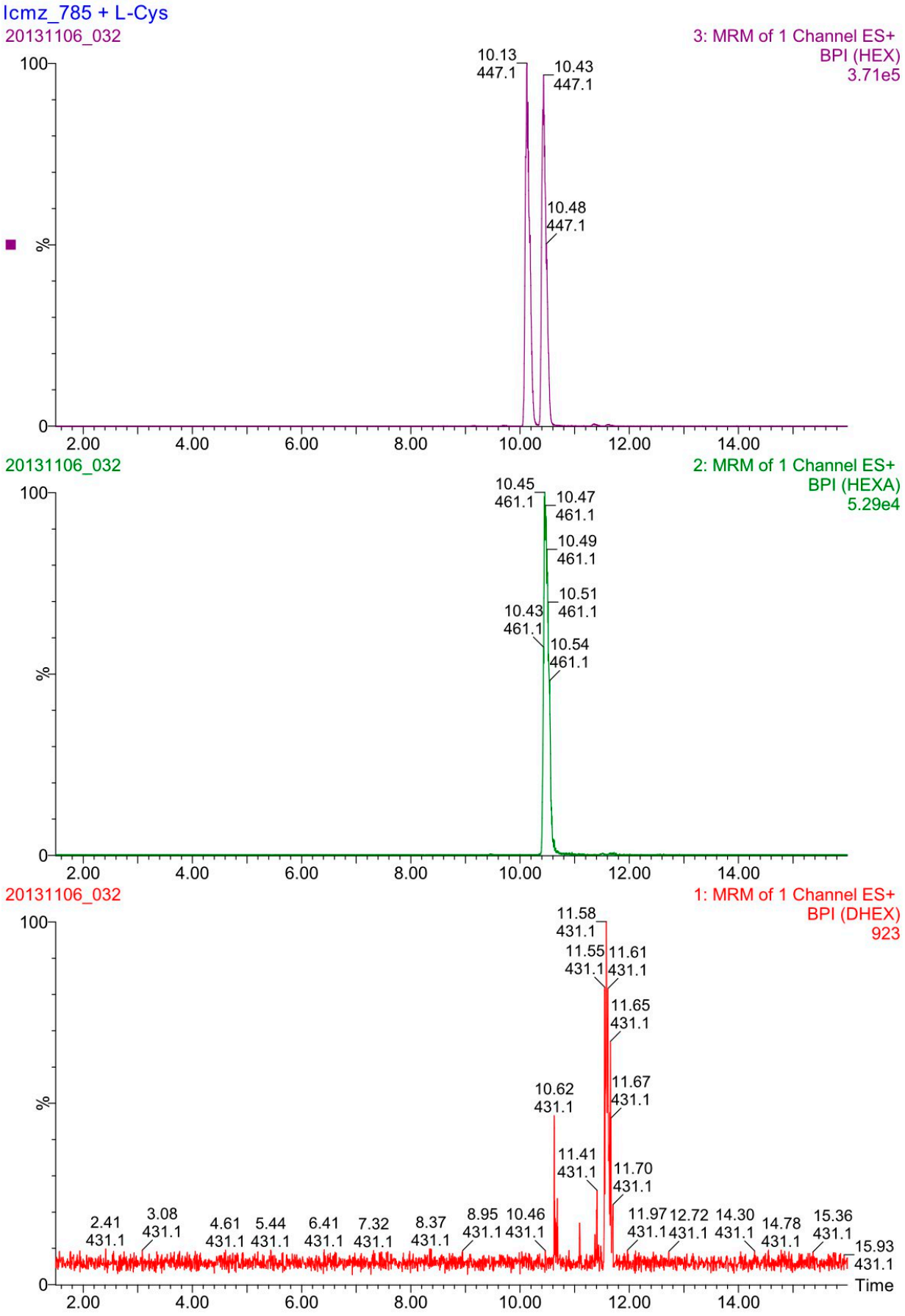


Figure S213. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **4**.

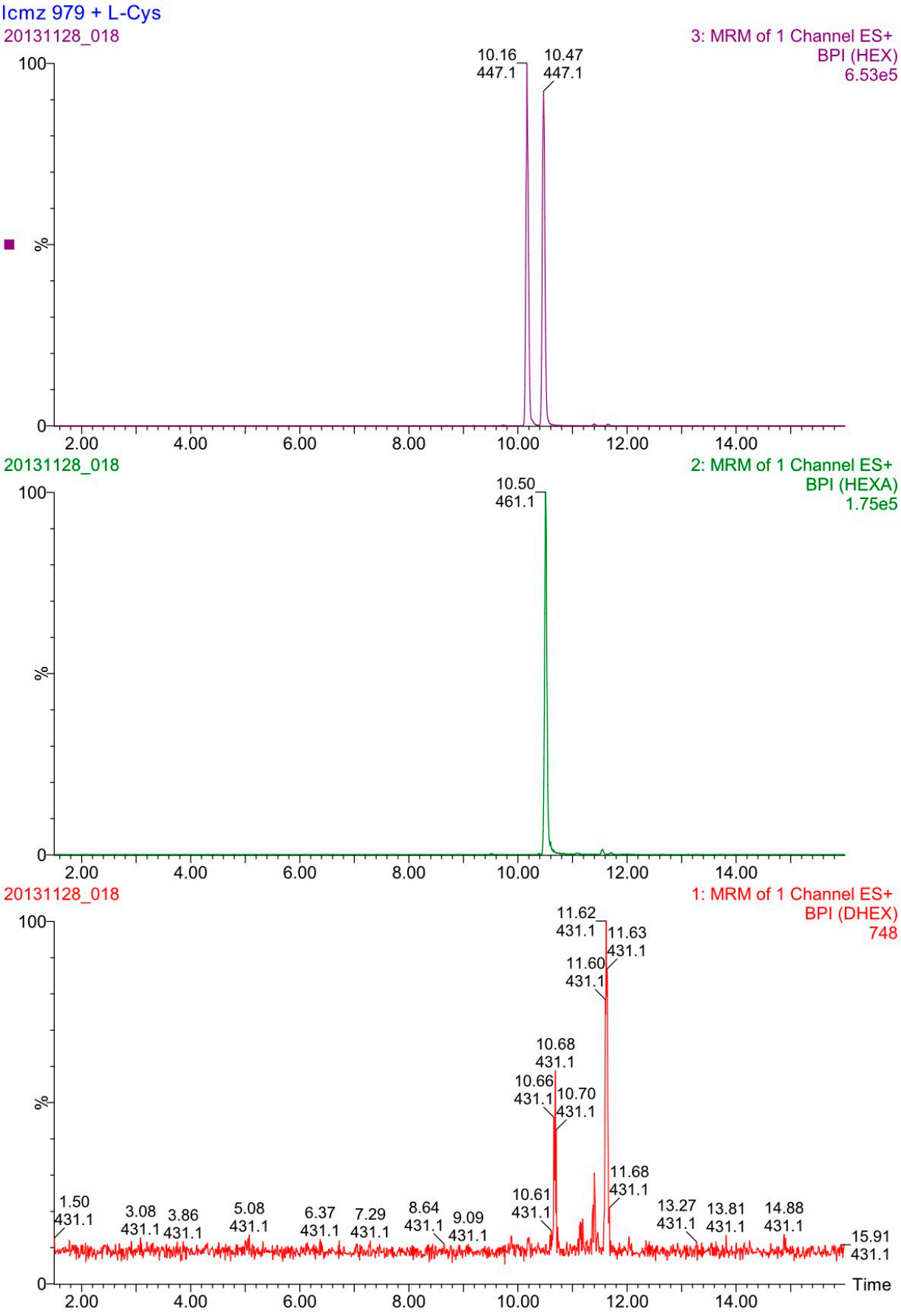


Figure S214. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **5**.

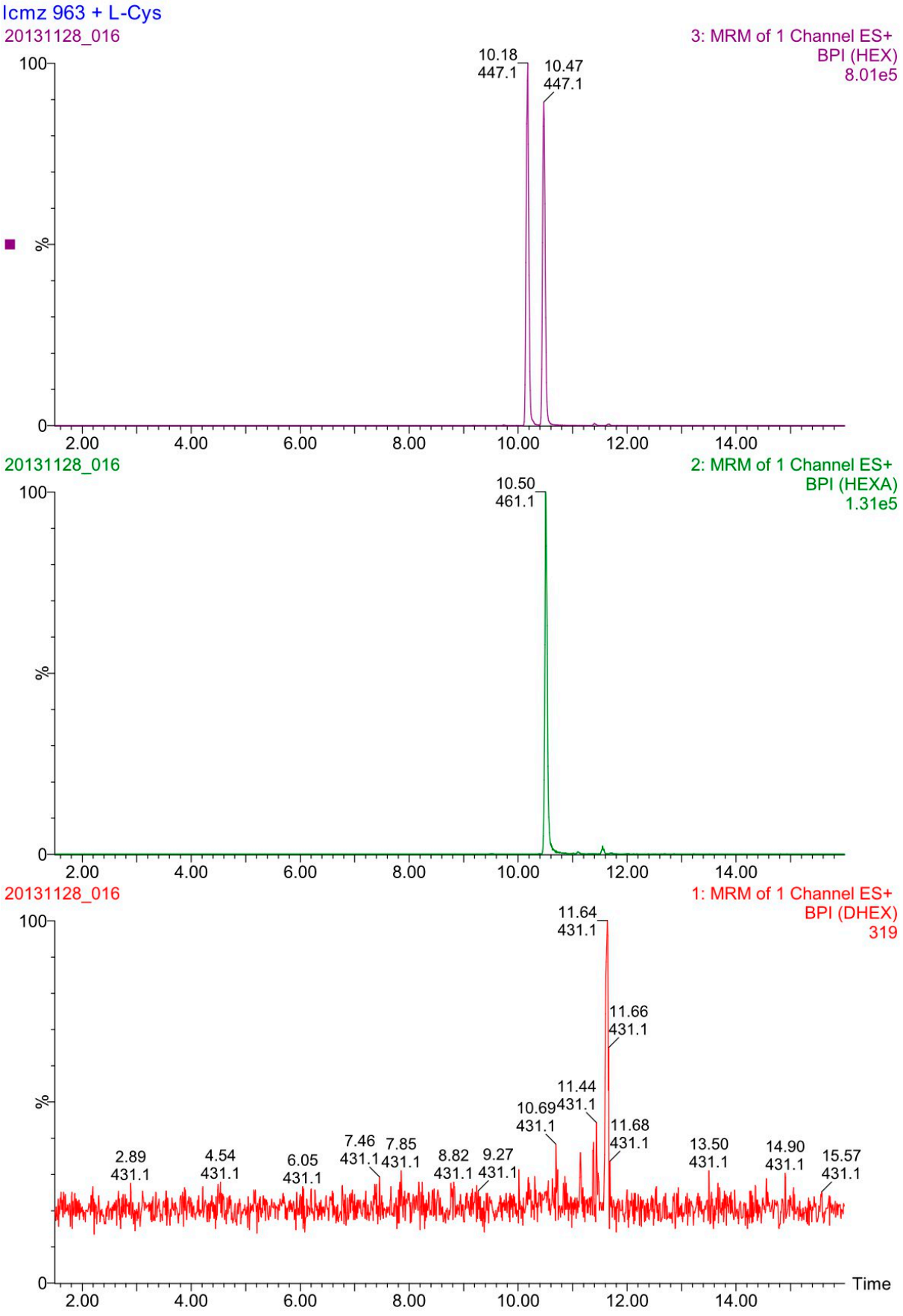


Figure S215. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **6**.

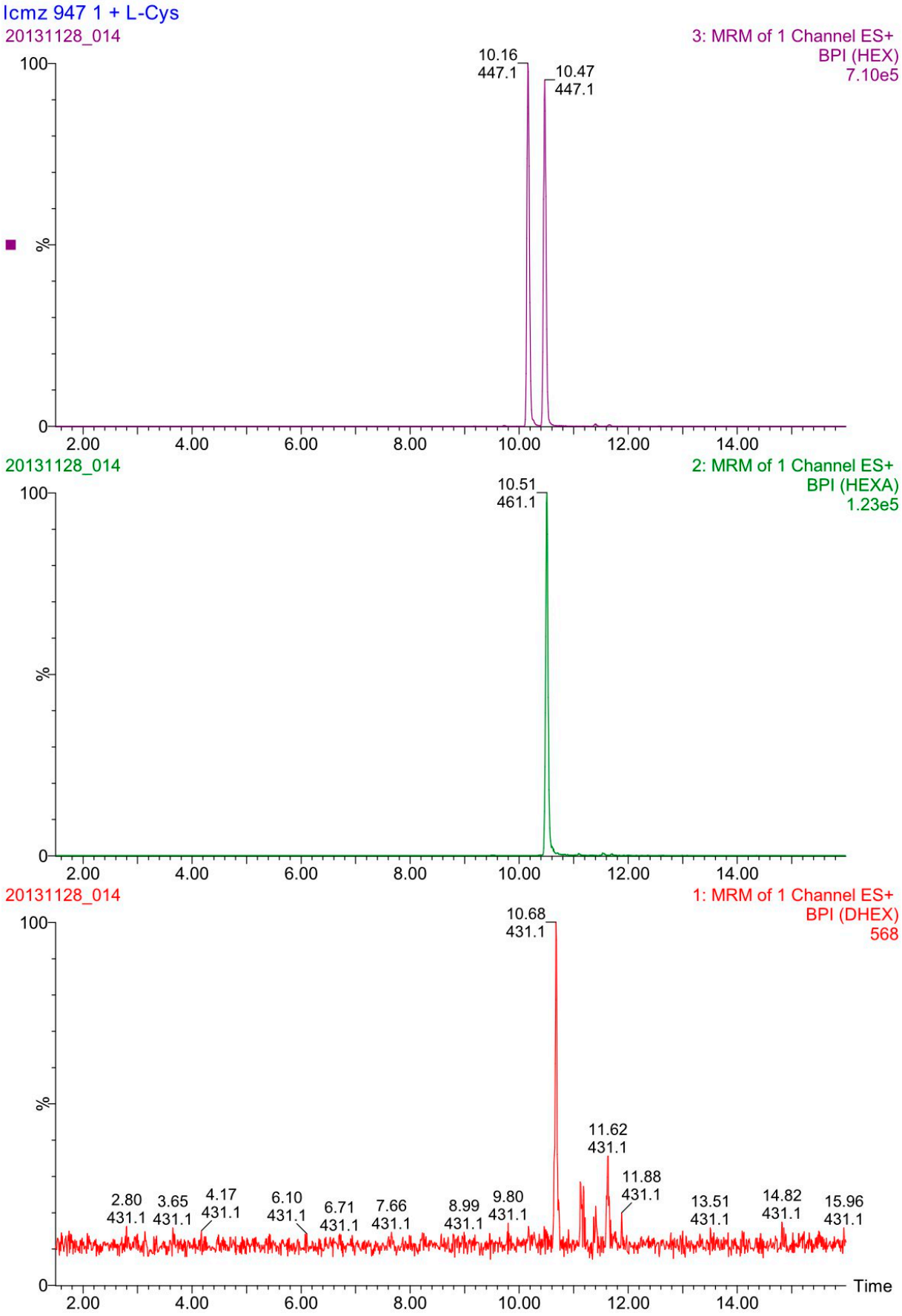


Figure S216. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **7**.

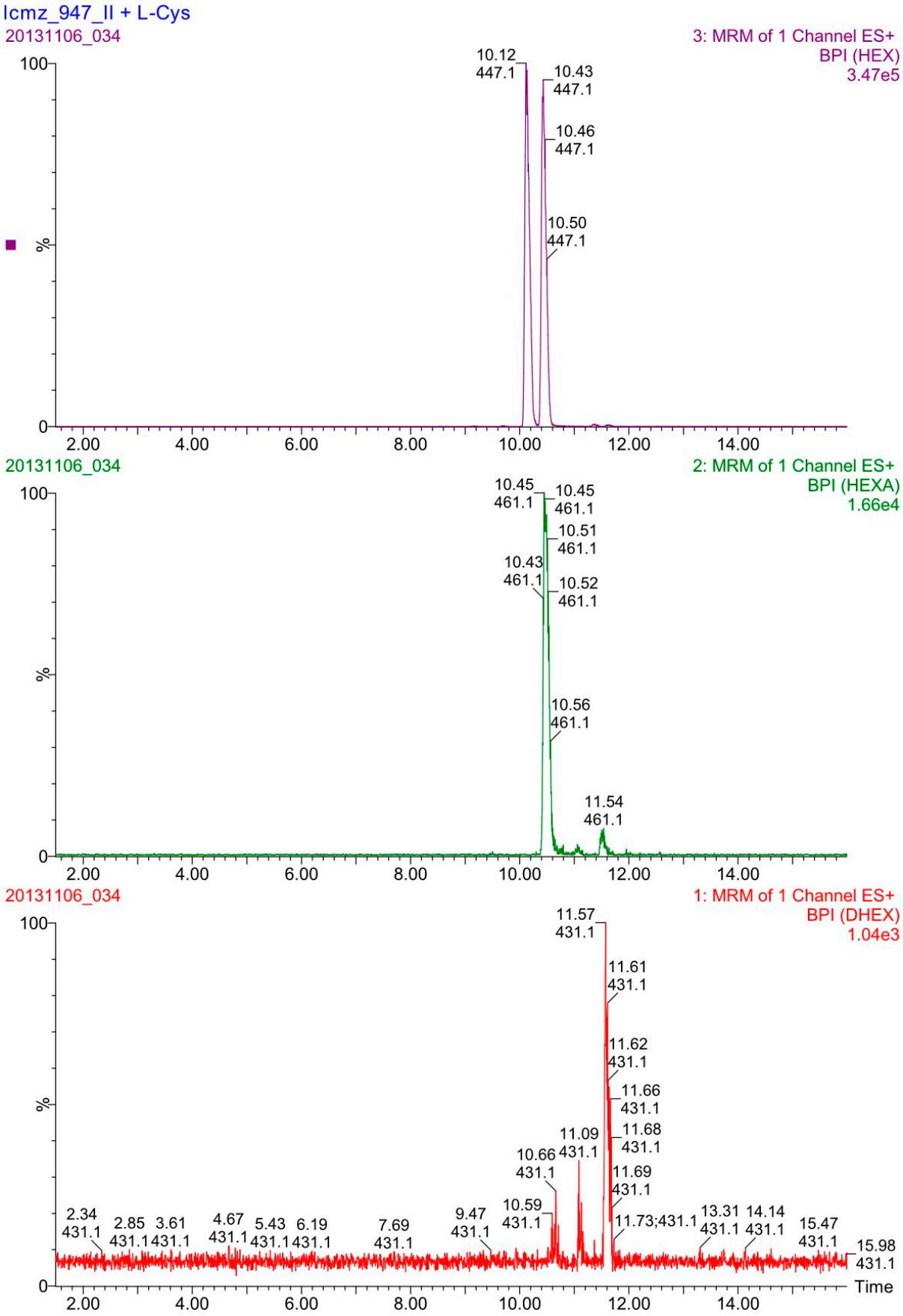


Figure S217. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **8**.

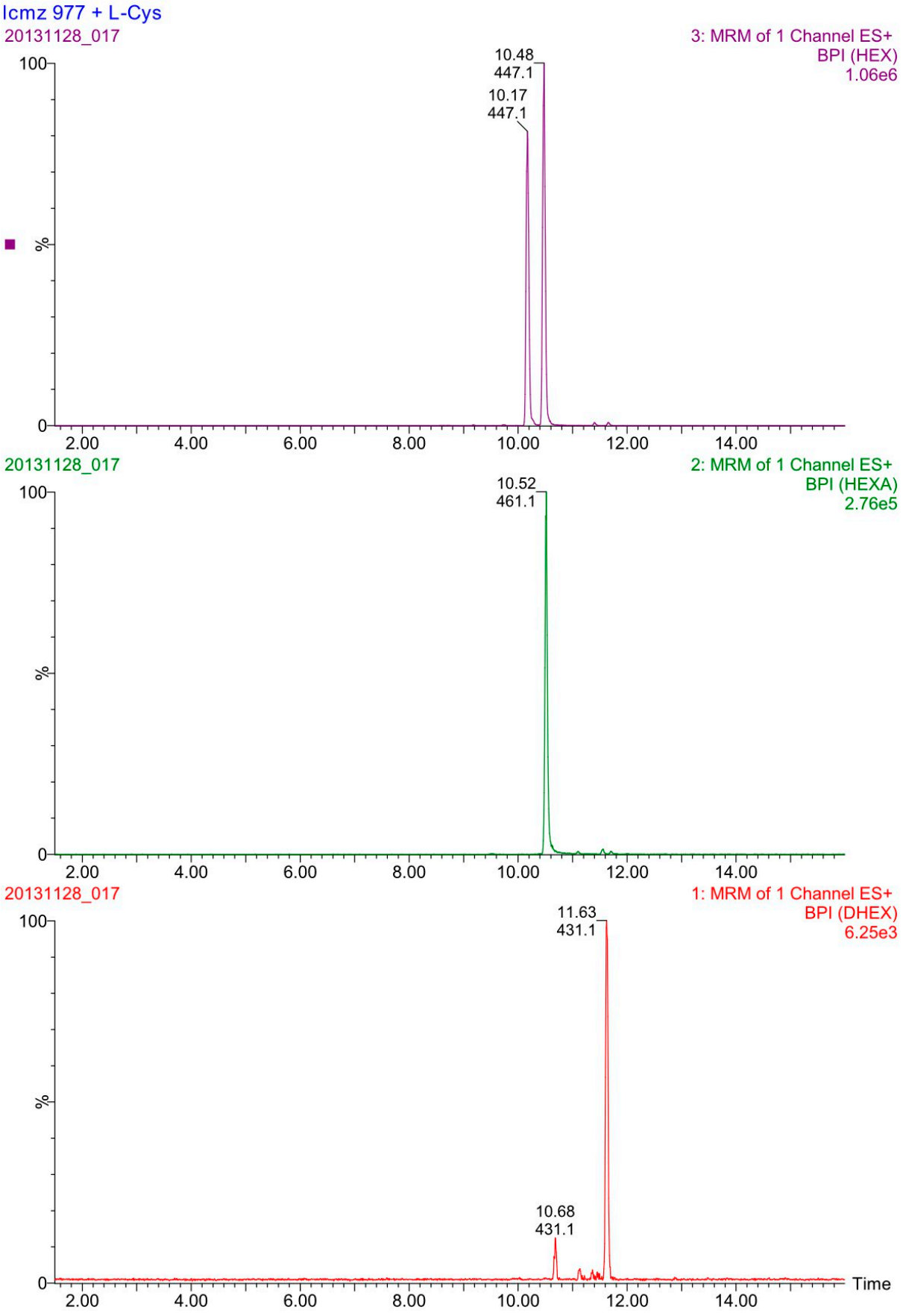


Figure S218. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **9**.

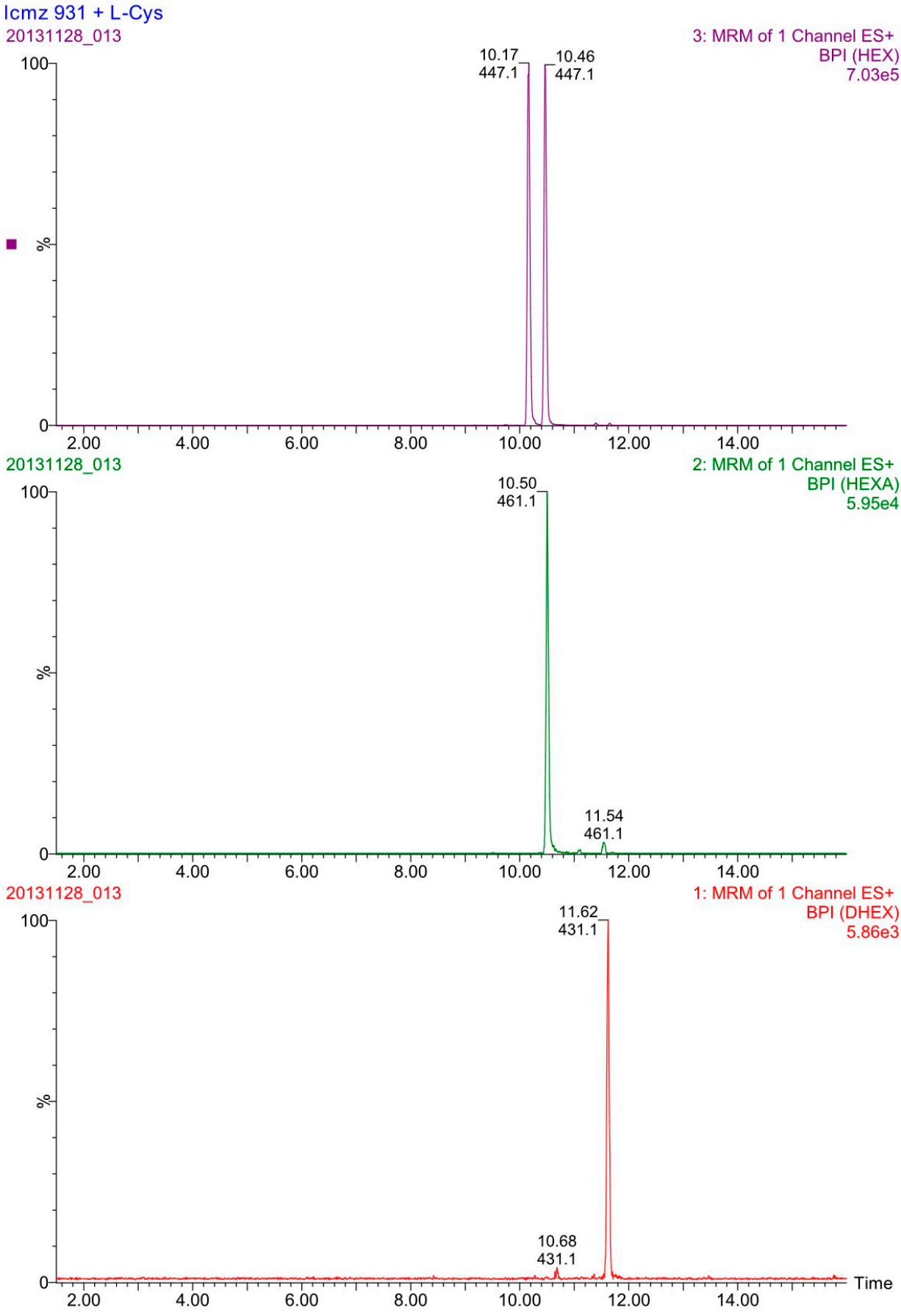


Figure S219. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **10.**

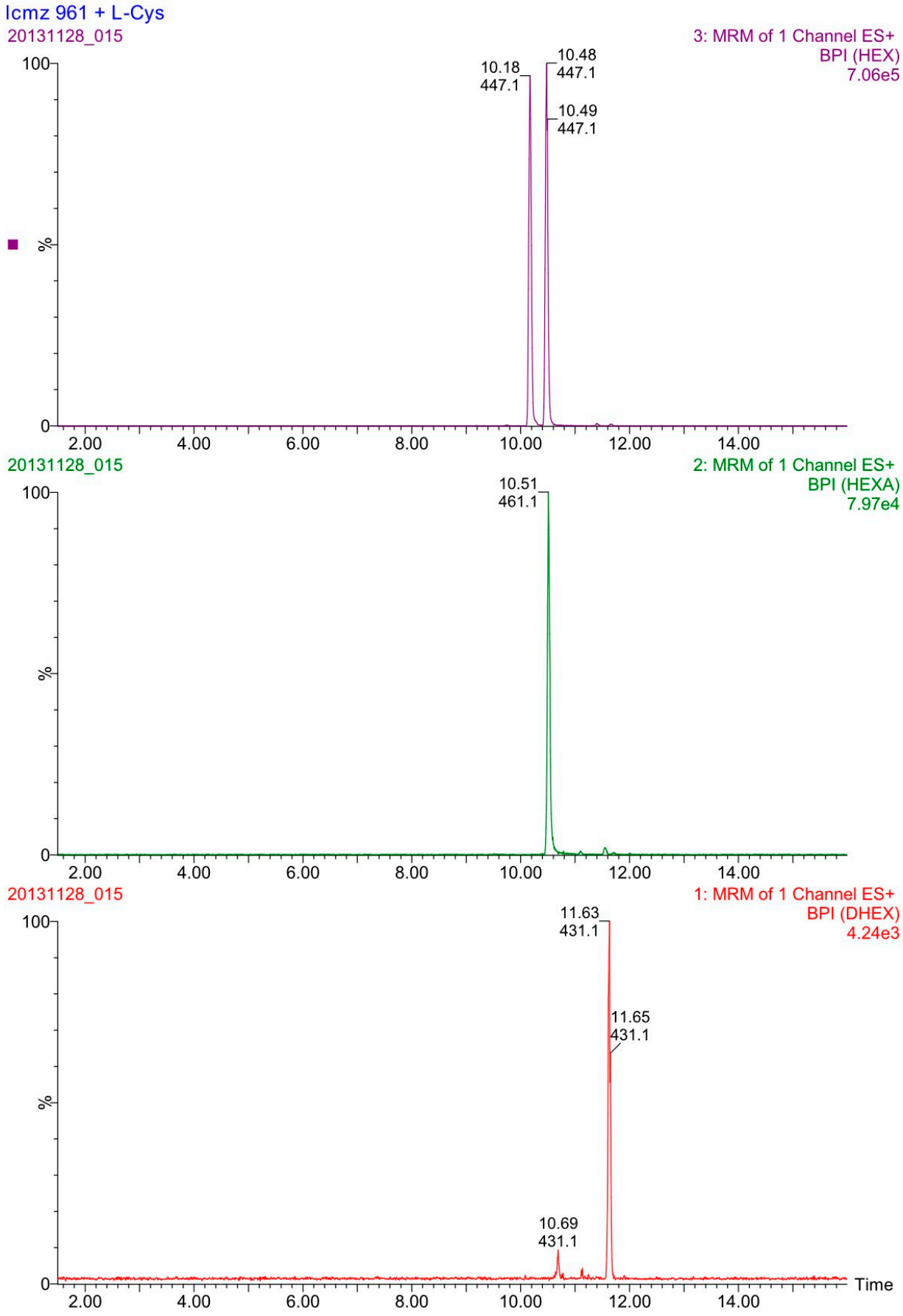


Figure S220. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **11**.

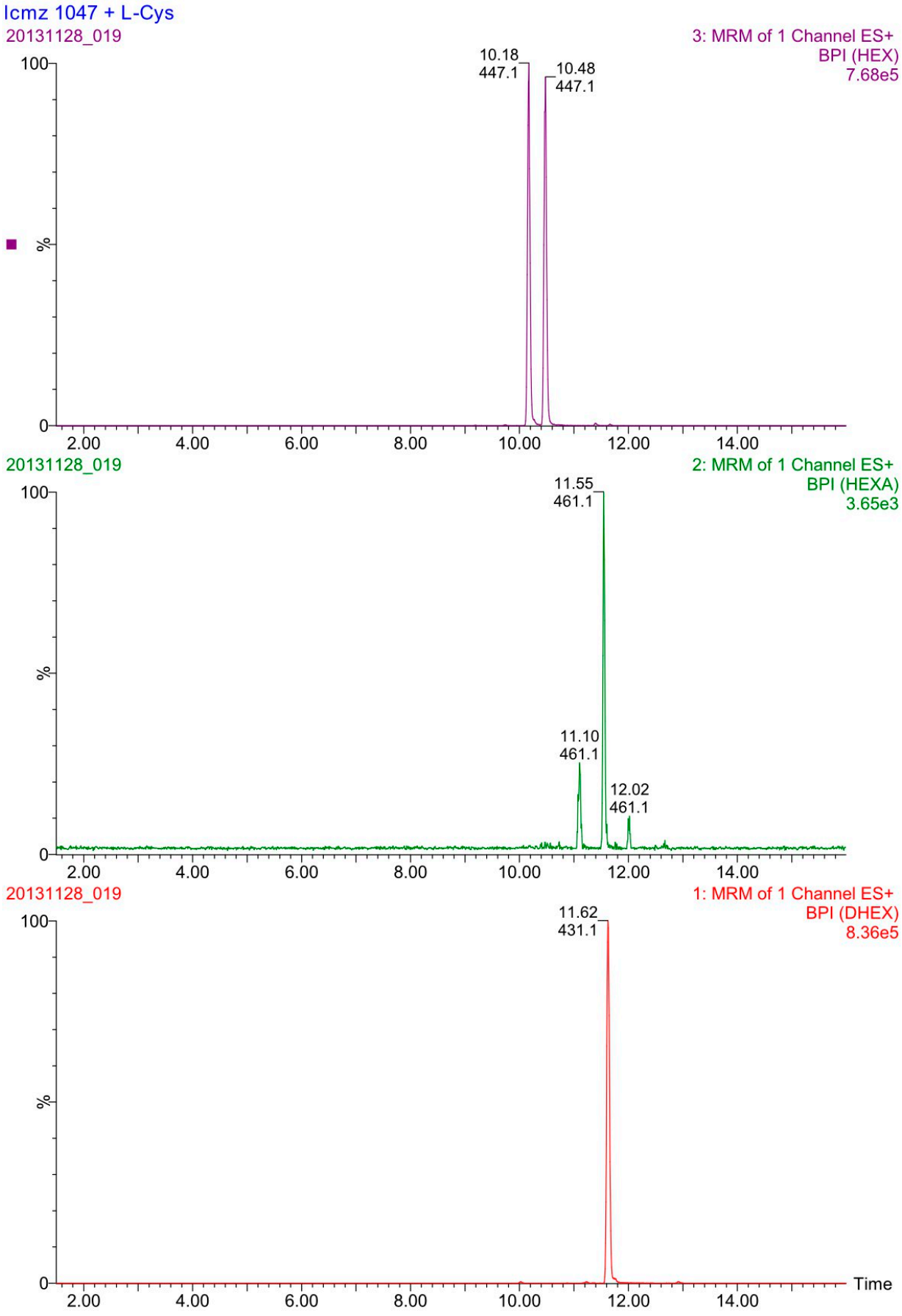


Figure S221. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **12**.

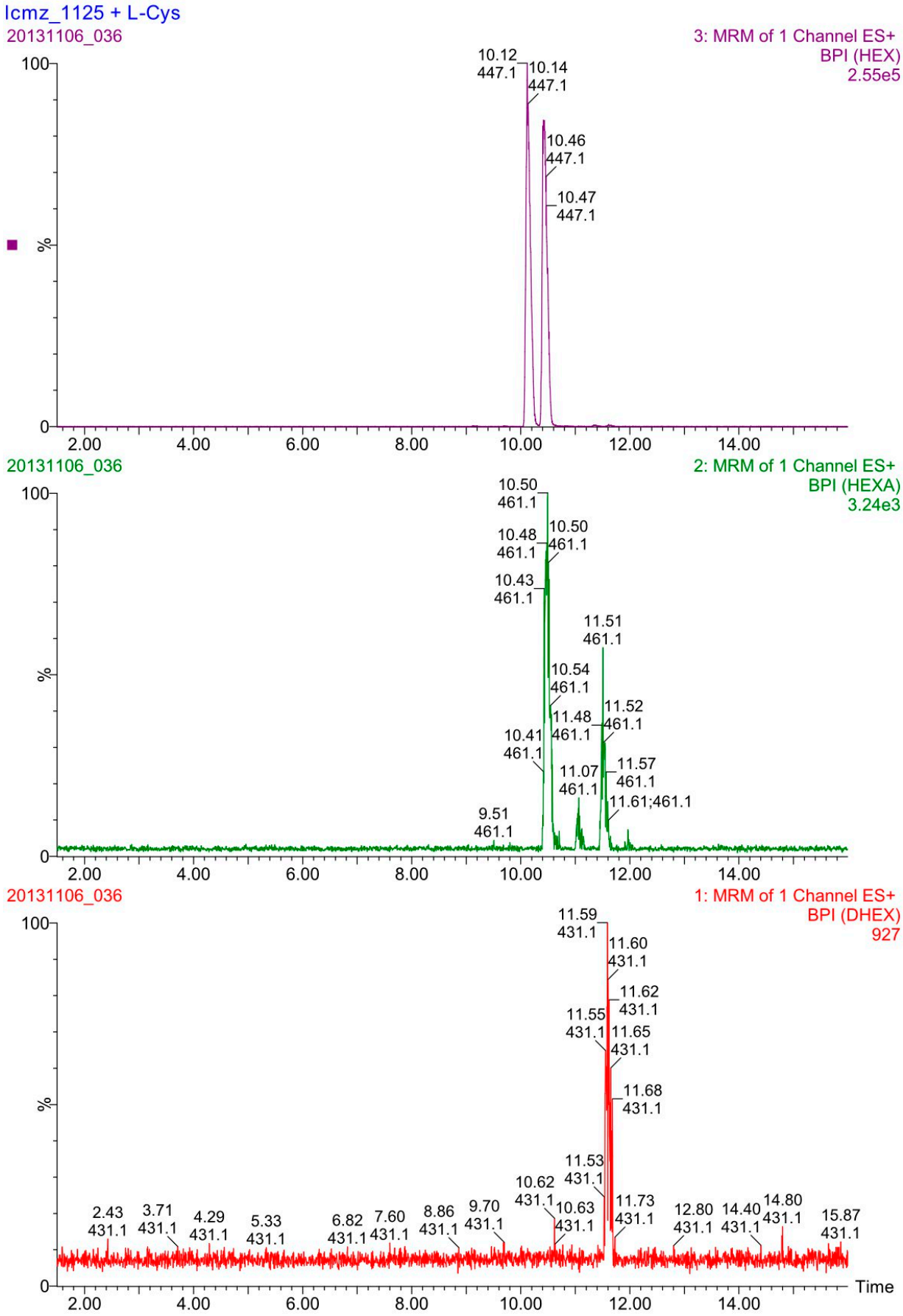


Figure S222. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **13**.

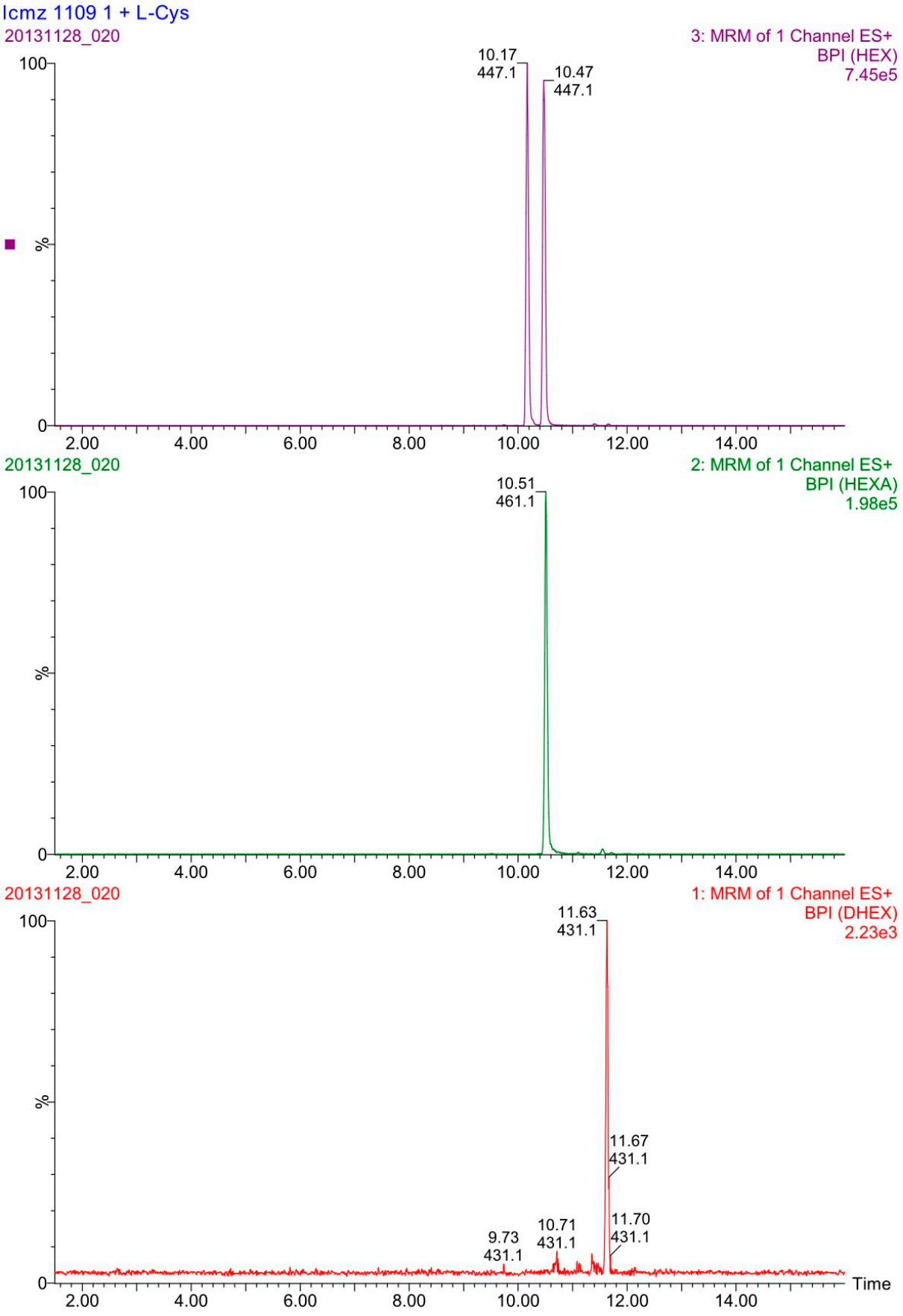


Figure S223. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **14**.

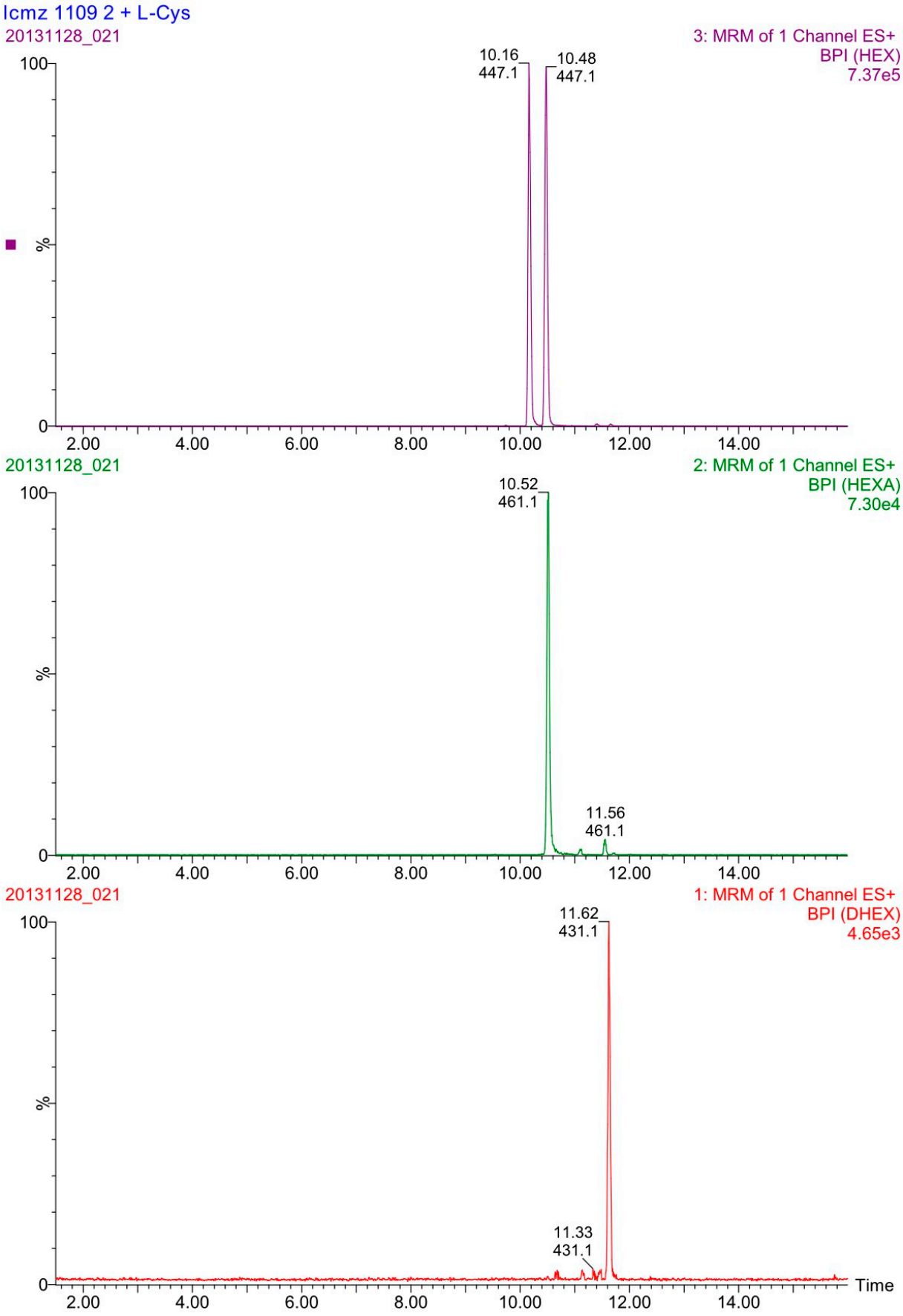


Figure S224. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **15**.

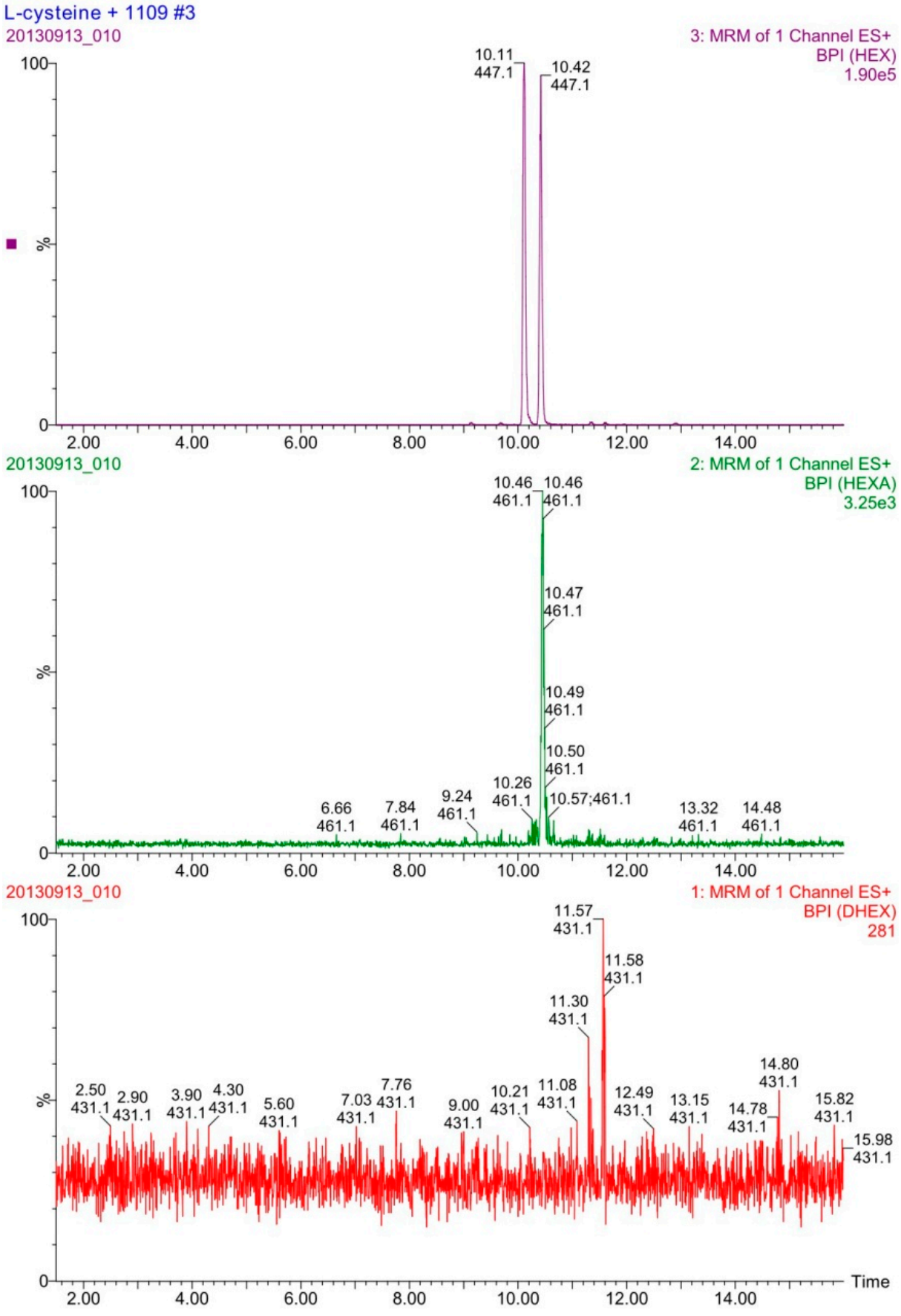


Figure S225. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **17**.

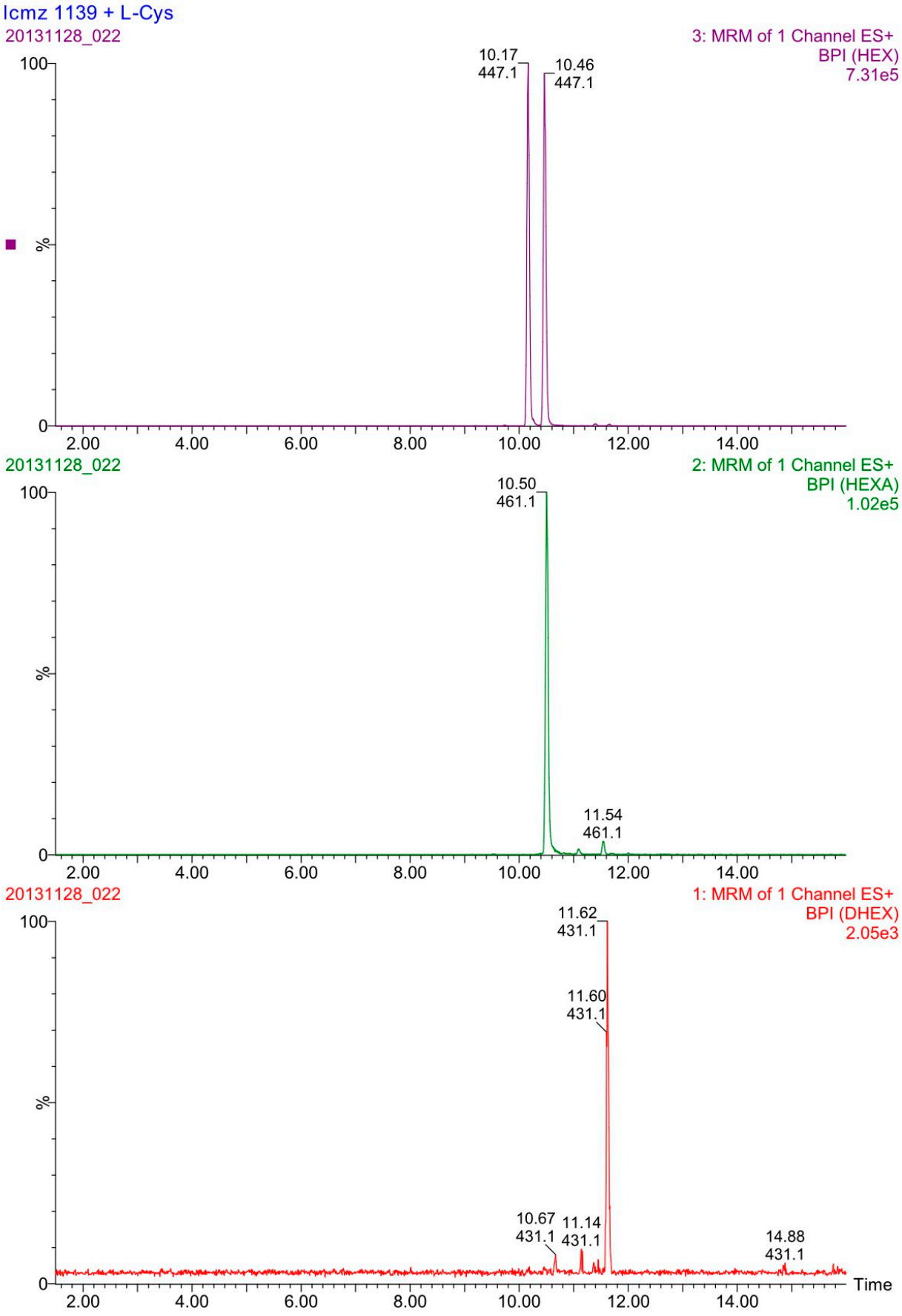


Figure S226. UPLC-MS chromatograms of sugars released during the acid hydrolysis of the compound **18.**

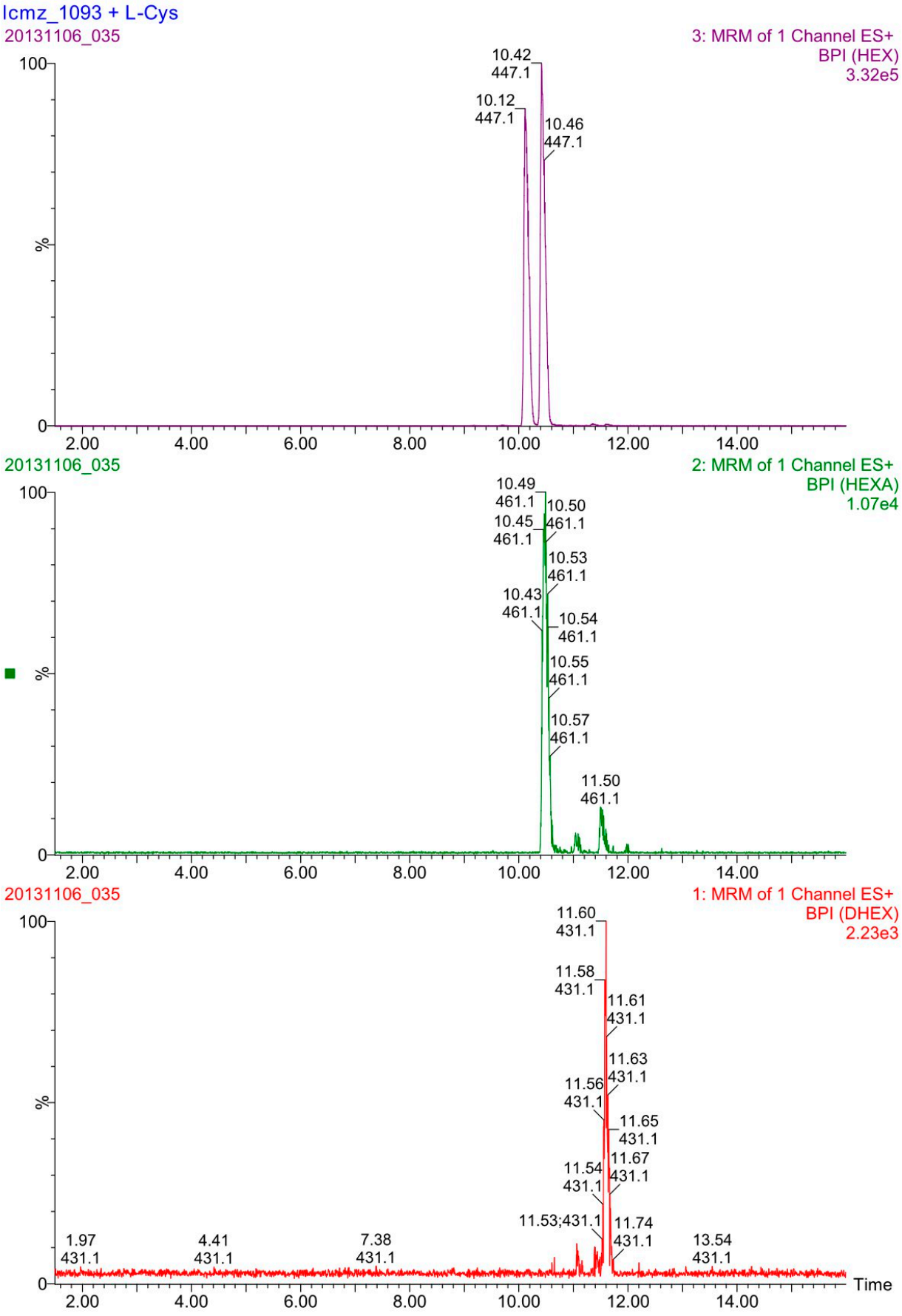


Figure S227. UPLC-MS chromatograms of the methanol extract of lentil seeds (var. Tina), and the UV spectrum of the dominant phenolic compound.