

Electronic Supporting Information

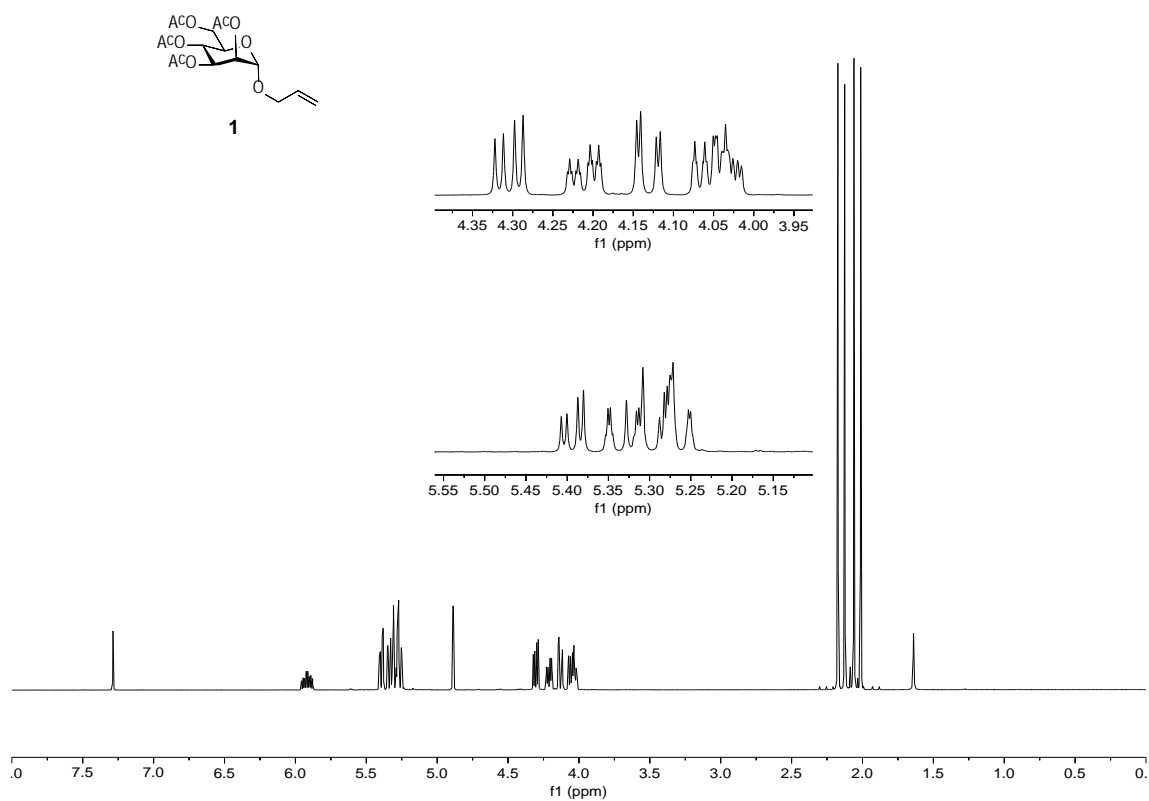
**Glycosyl Aldehydes, New Scaffolds for the
Synthesis of Neo-Glycoconjugates *via* Bio-
orthogonal Oxime Bond Formation**

Jose J. Reina,^[a] Alicia Rioboo-Vidal,^[a] Javier Montenegro^{*[a]}

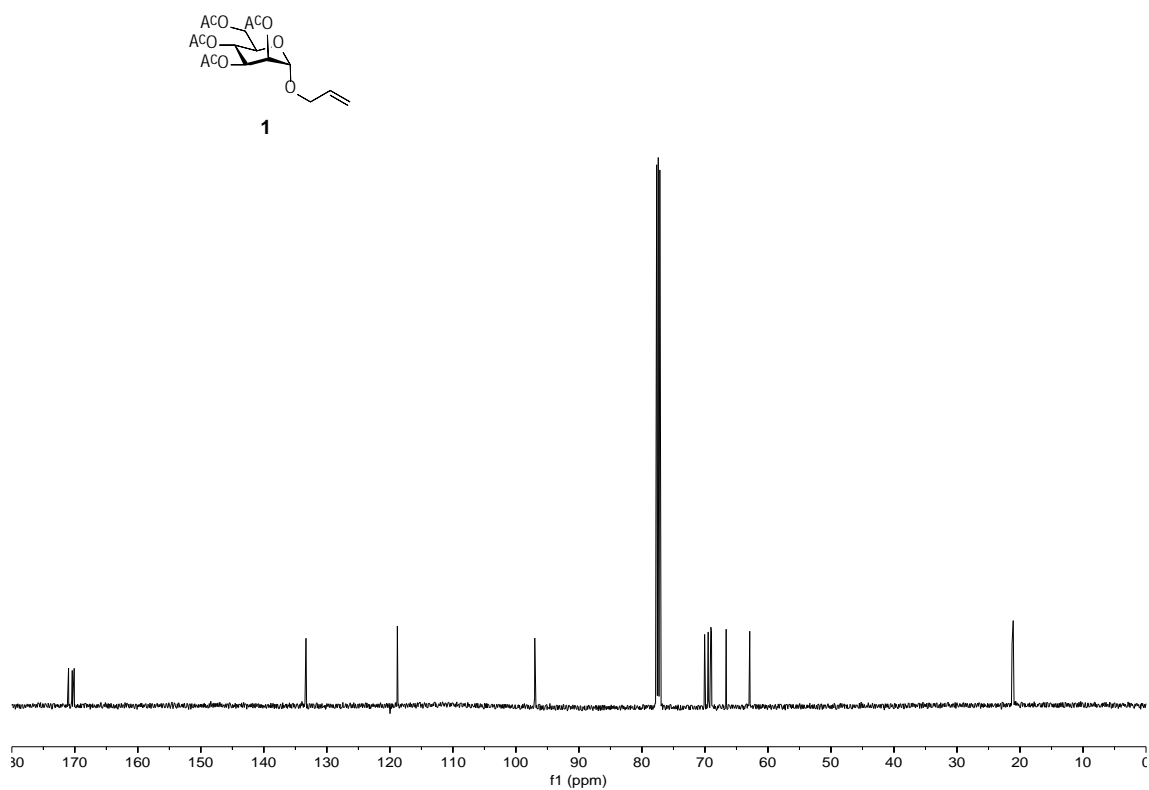
^a Centro Singular de Investigación en Química Biolóxica e Materiais Moleculares (CIQUS), Universidad de Santiago de Compostela, Campus Vida, Rúa de Jenaro de la Fuente, s/n, 15782 Santiago de Compostela, La Coruña, Spain.

Selected ¹H and ¹³C NMR spectra and selected HSQC and MS spectra..... S2-S40

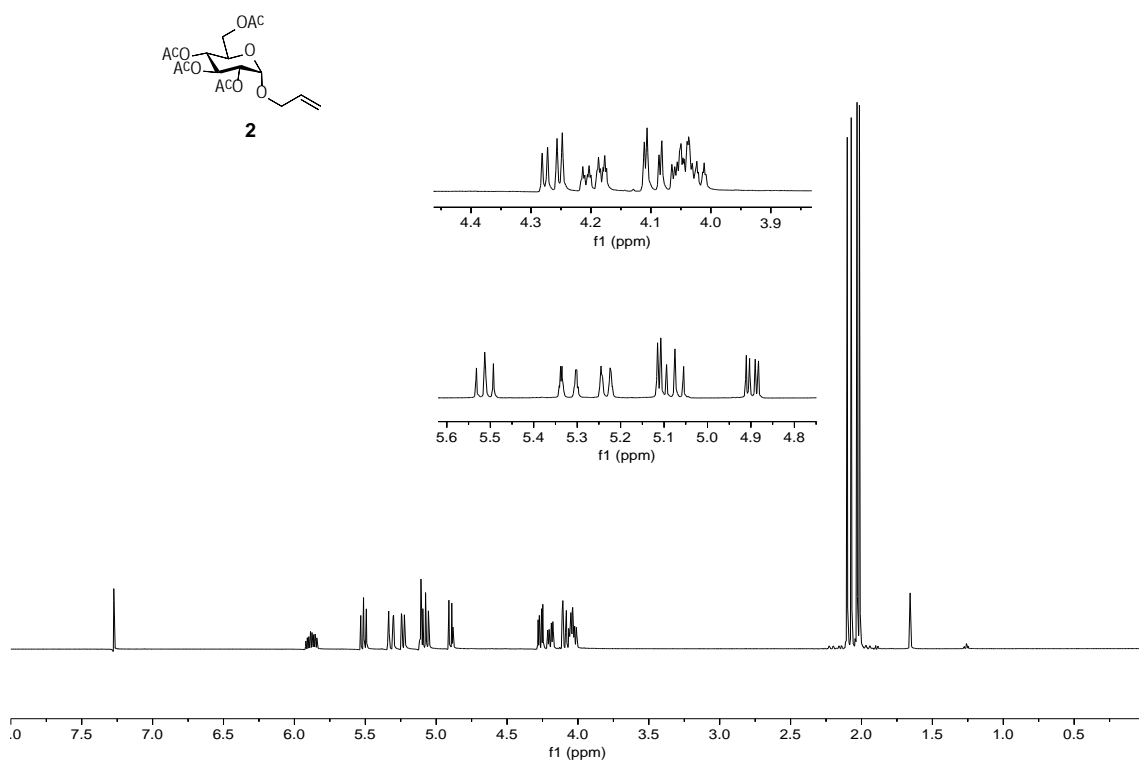
^1H and ^{13}C NMR spectra and selected HSQC and MS spectra



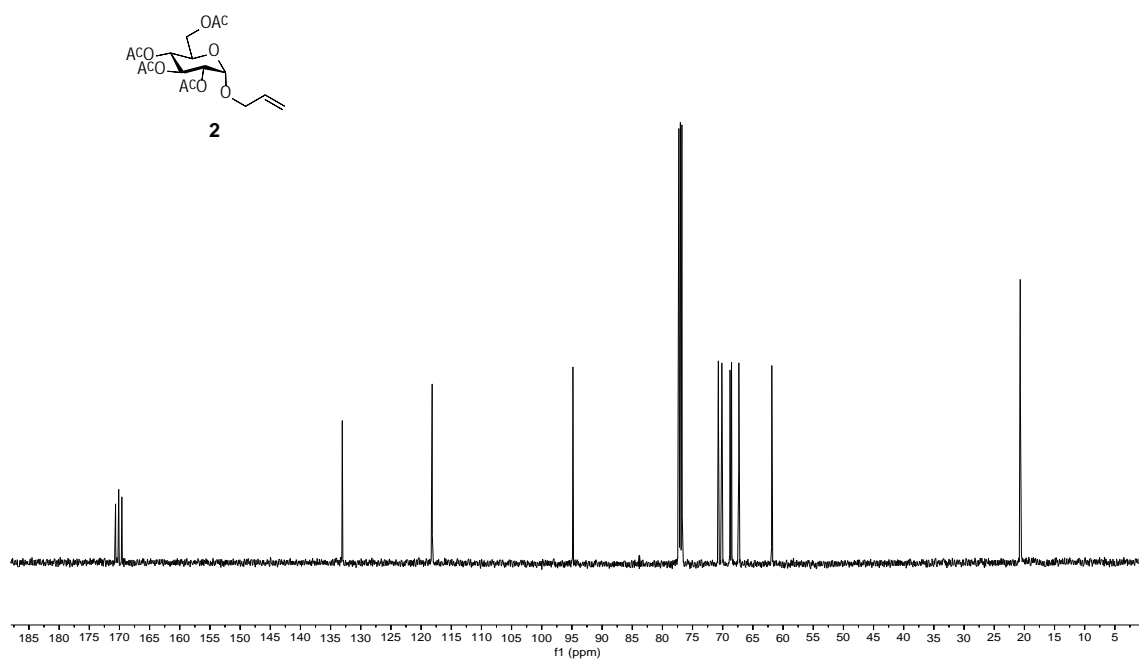
^1H -NMR (500 MHz, CDCl_3): compound **1**



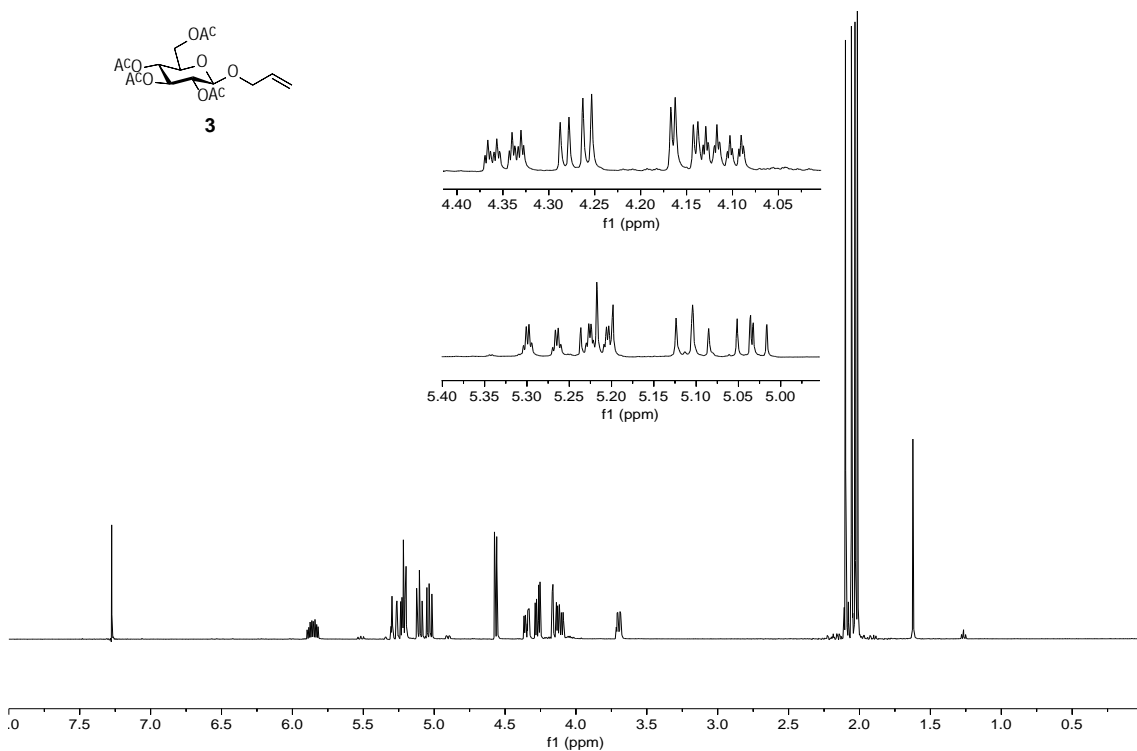
^{13}C -NMR (125 MHz, CDCl_3): compound **1**



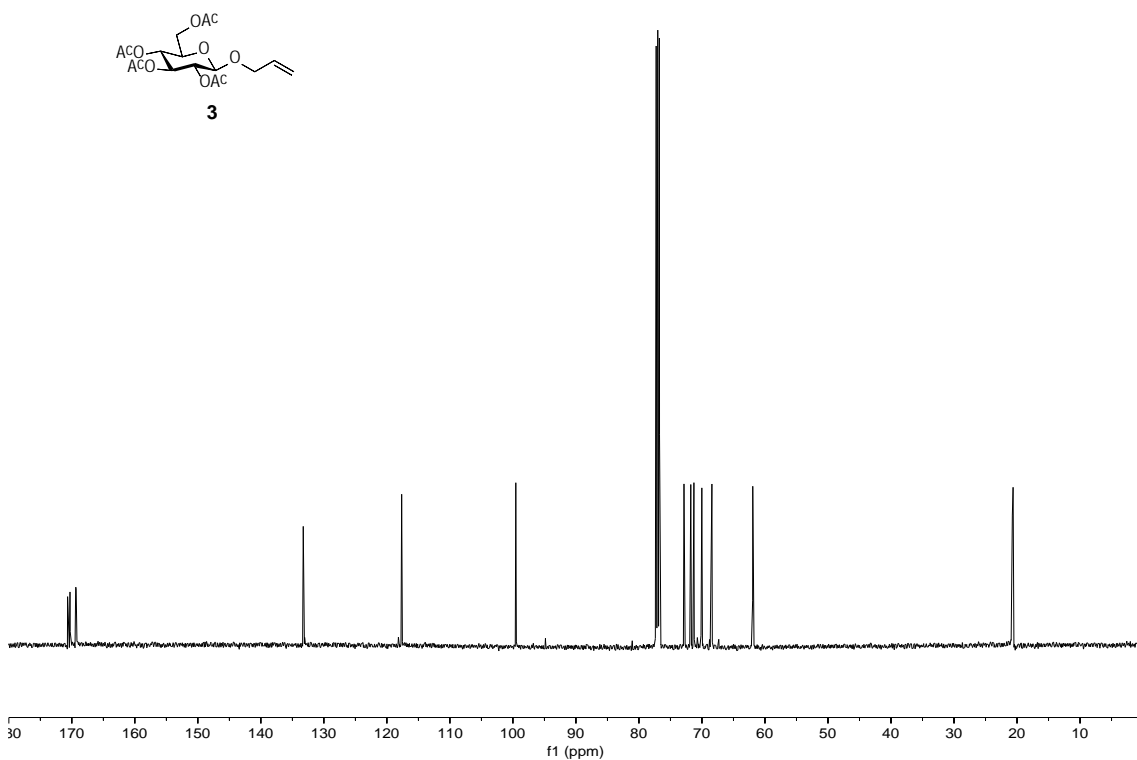
^1H -NMR (500 MHz, CDCl_3): compound **2**



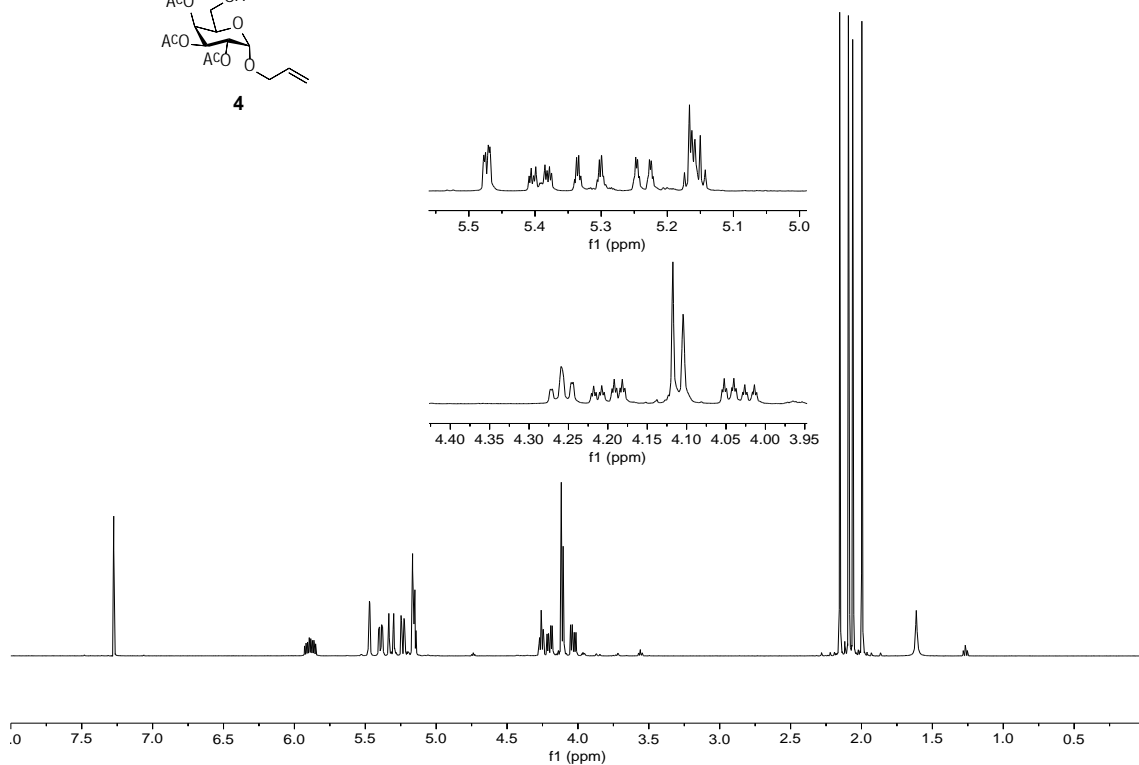
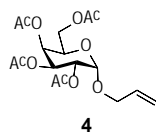
^{13}C -NMR (125 MHz, CDCl_3): compound **2**



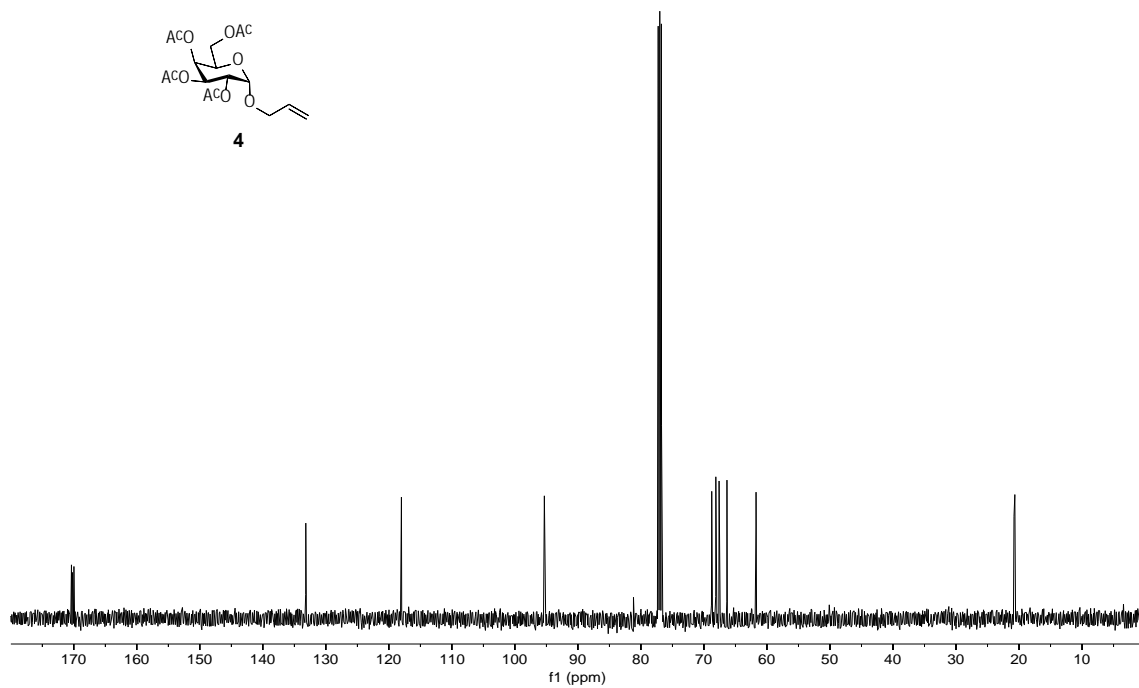
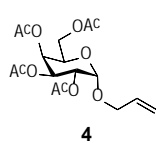
¹H-RMN (500 MHz, CDCl₃): compuesto **3**



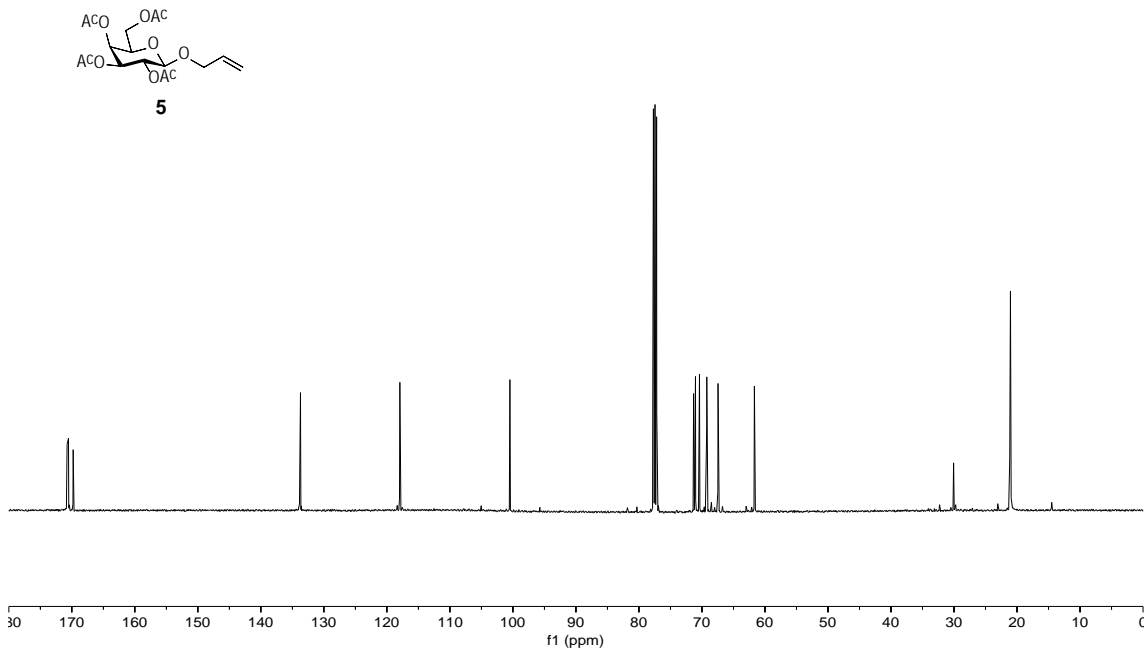
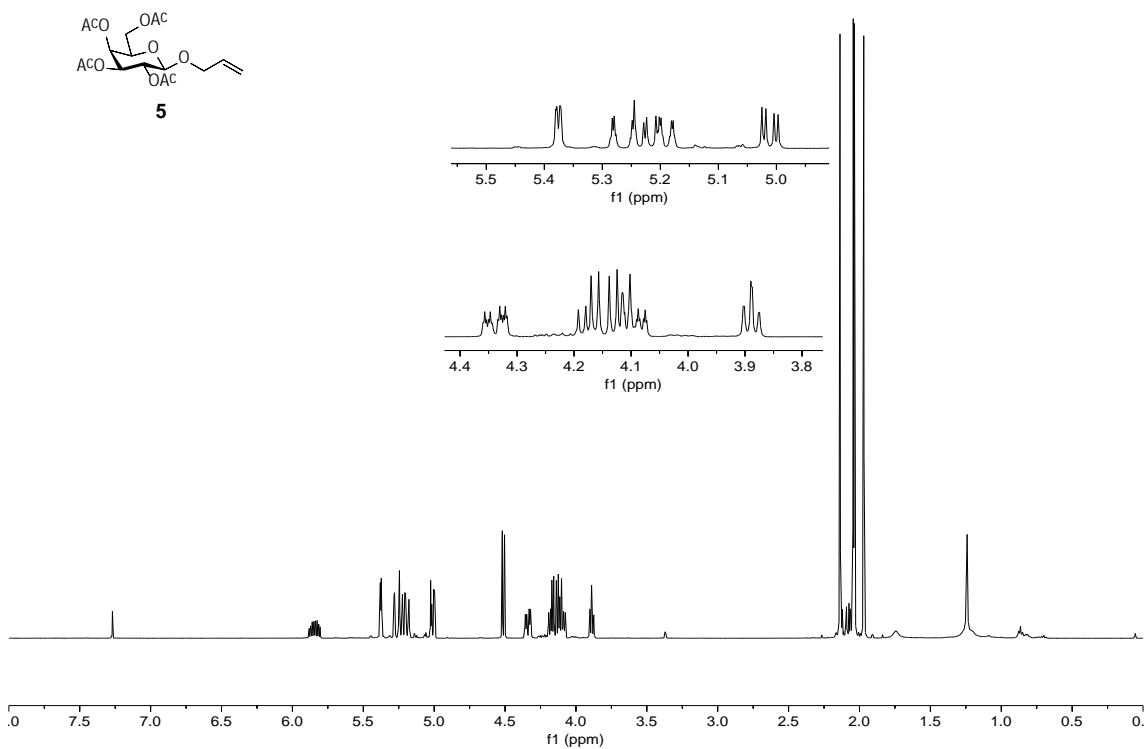
¹³C-RMN (125 MHz, CDCl₃): compuesto **3**

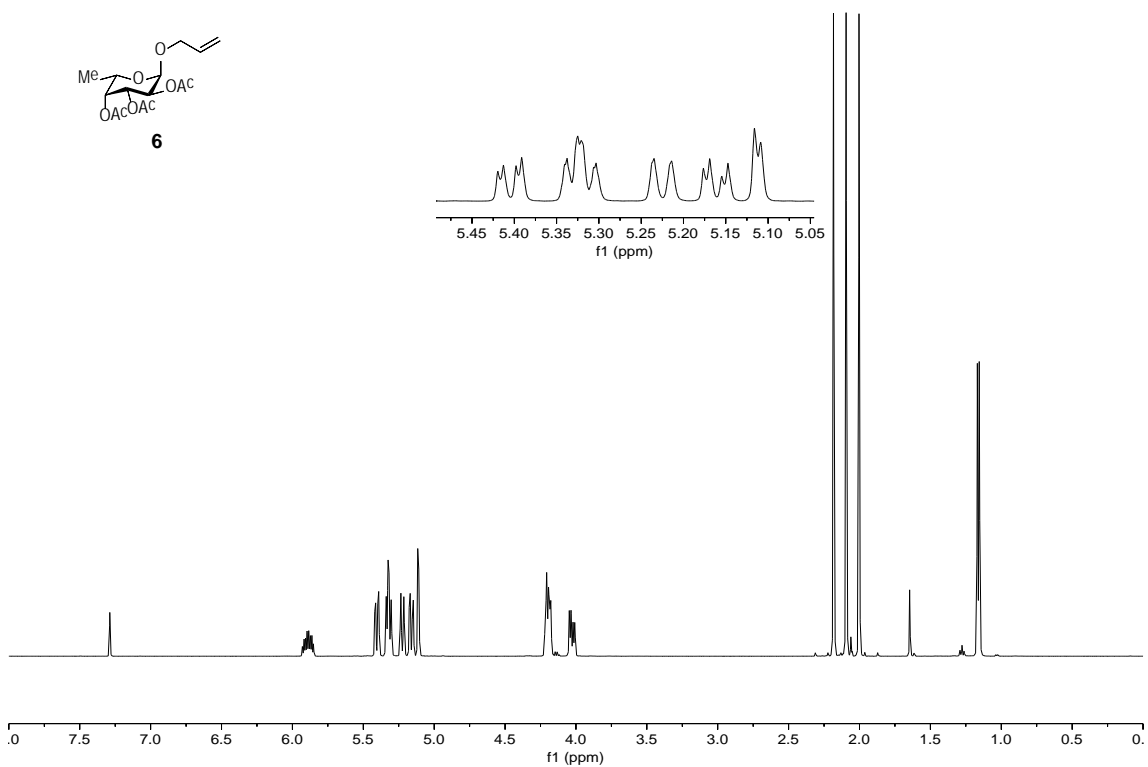


¹H-NMR (500 MHz, CDCl₃): compound **4**

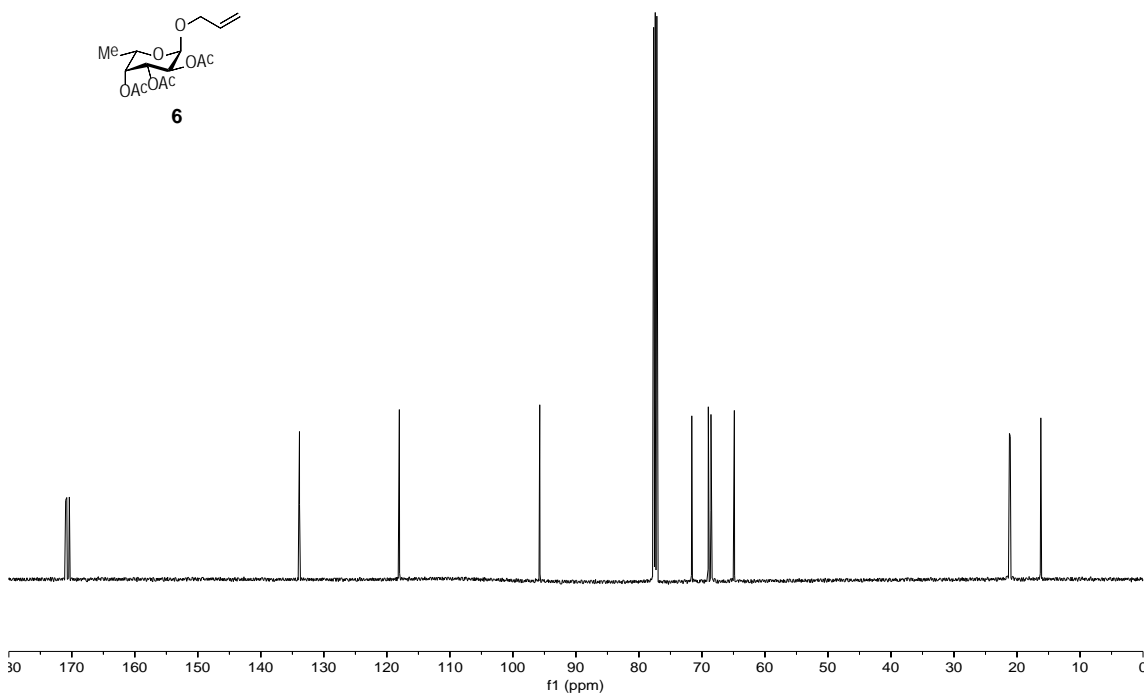


¹³C-NMR (125 MHz, CDCl₃): compound **4**

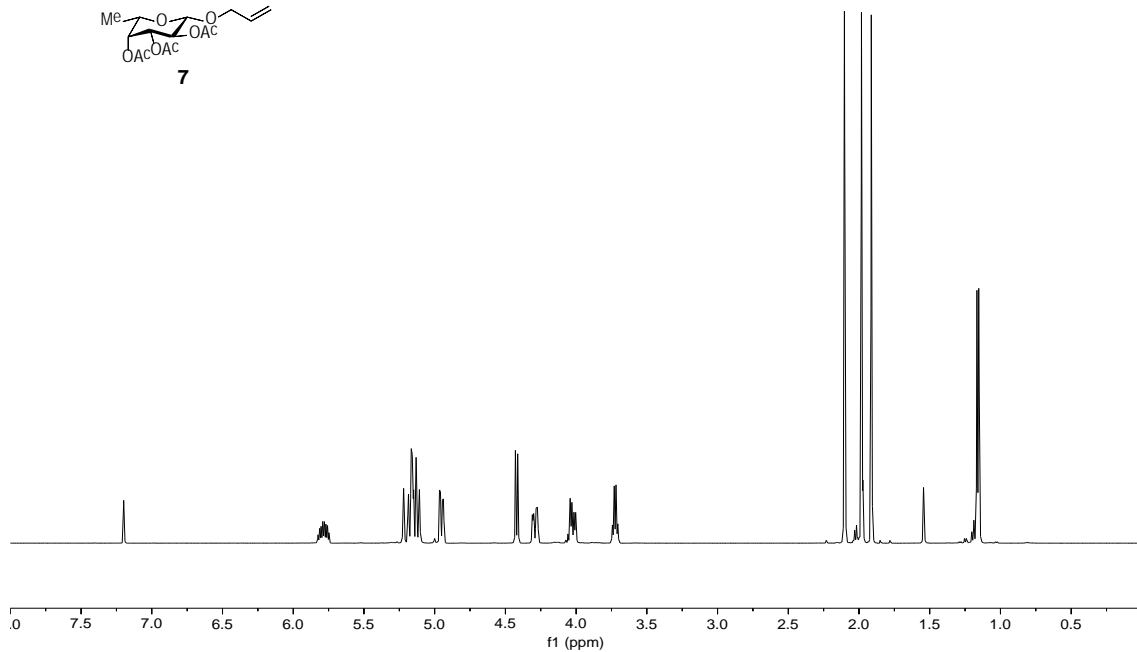
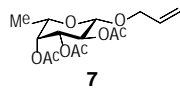




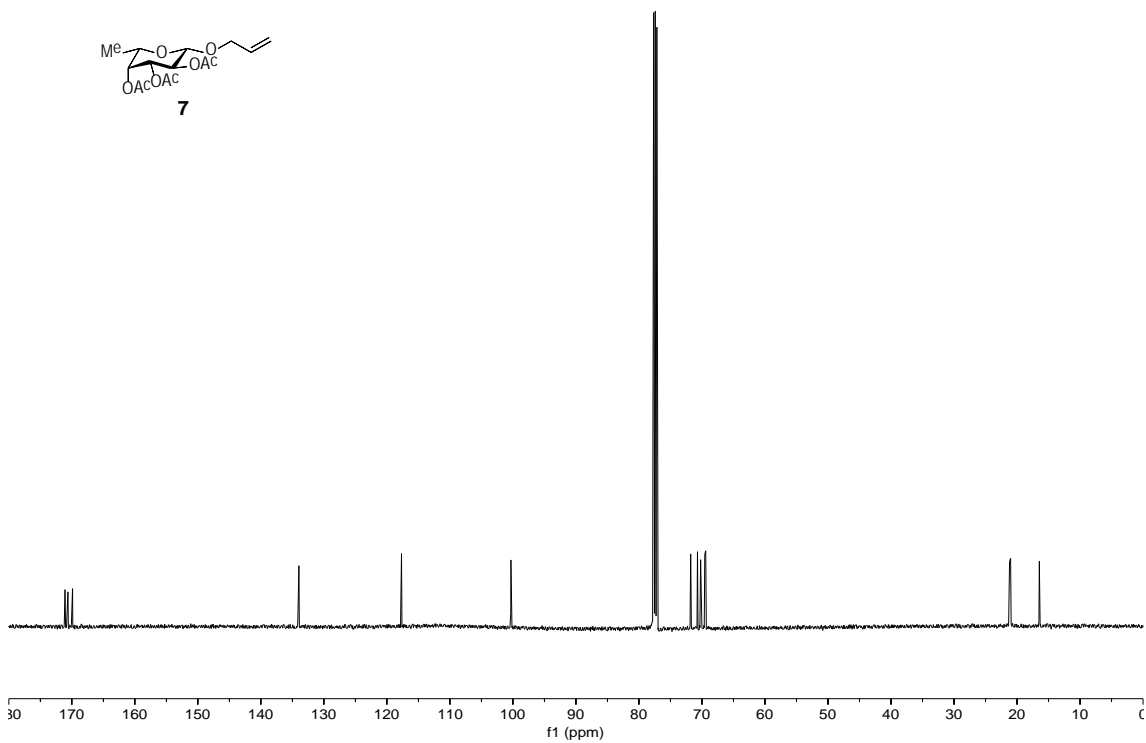
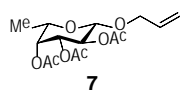
$^1\text{H-NMR}$ (400 MHz, CDCl_3): compound **6**



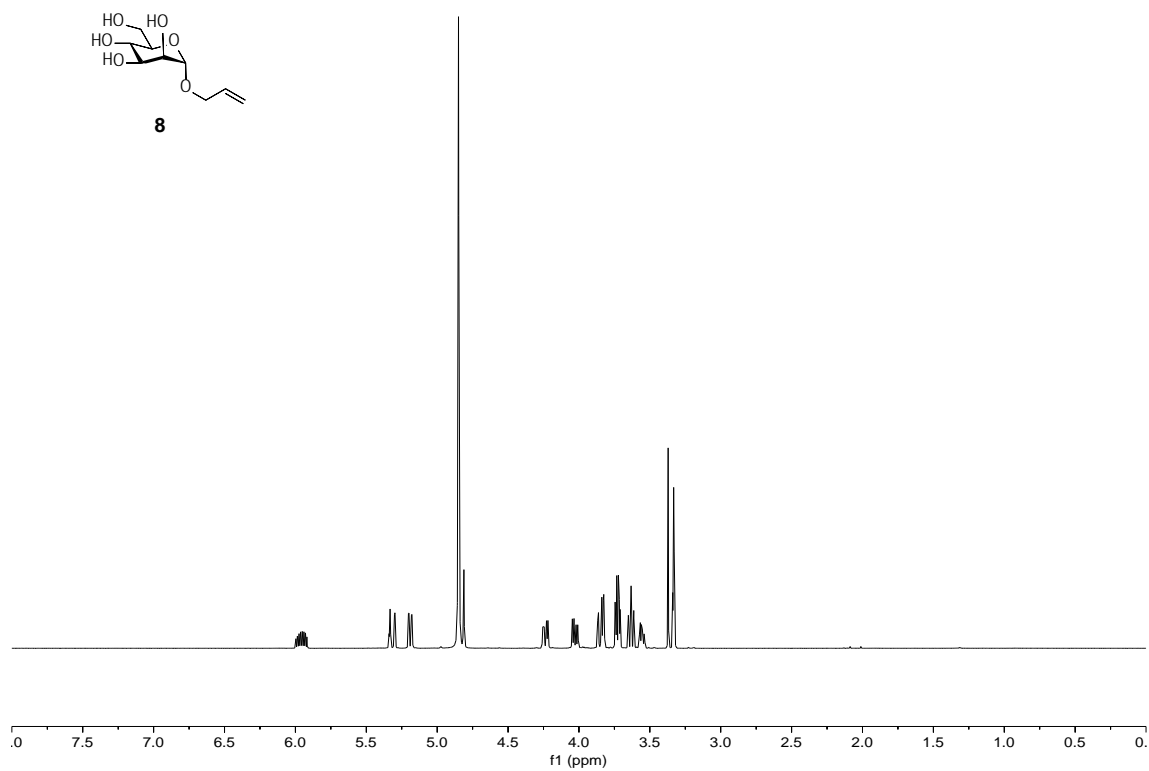
$^{13}\text{C-NMR}$ (100 MHz, CDCl_3): compound **6**



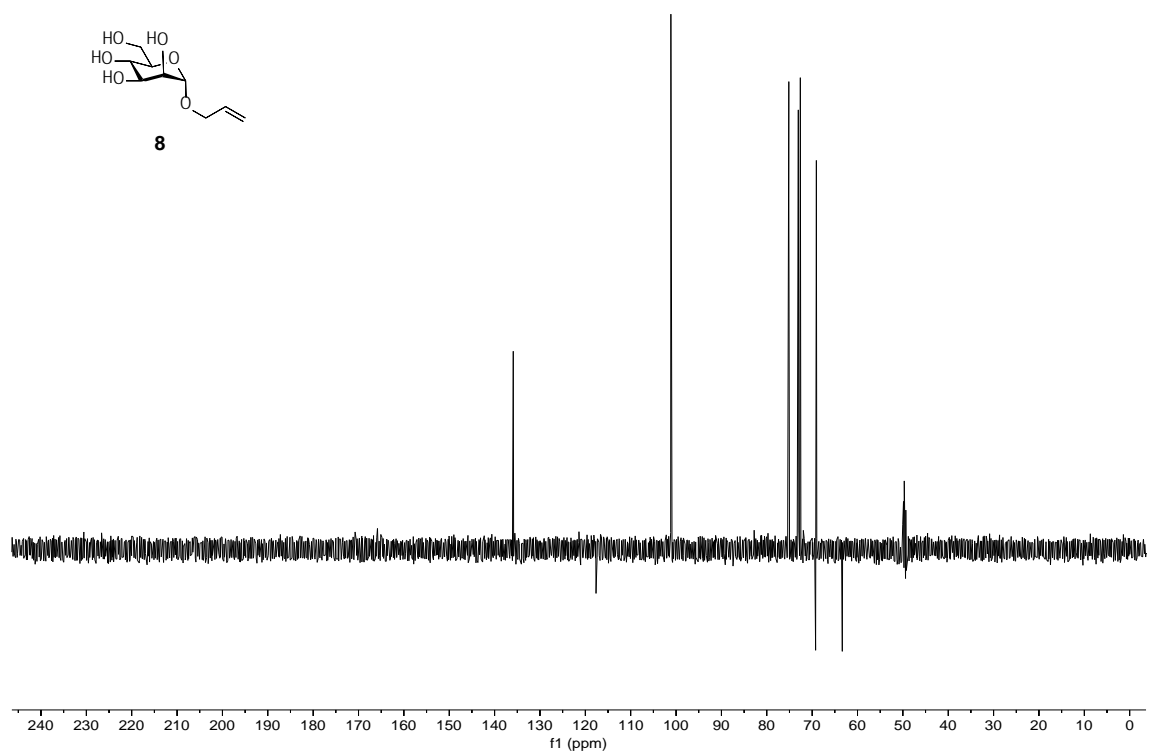
¹H-NMR (400 MHz, CDCl₃): compound **7**



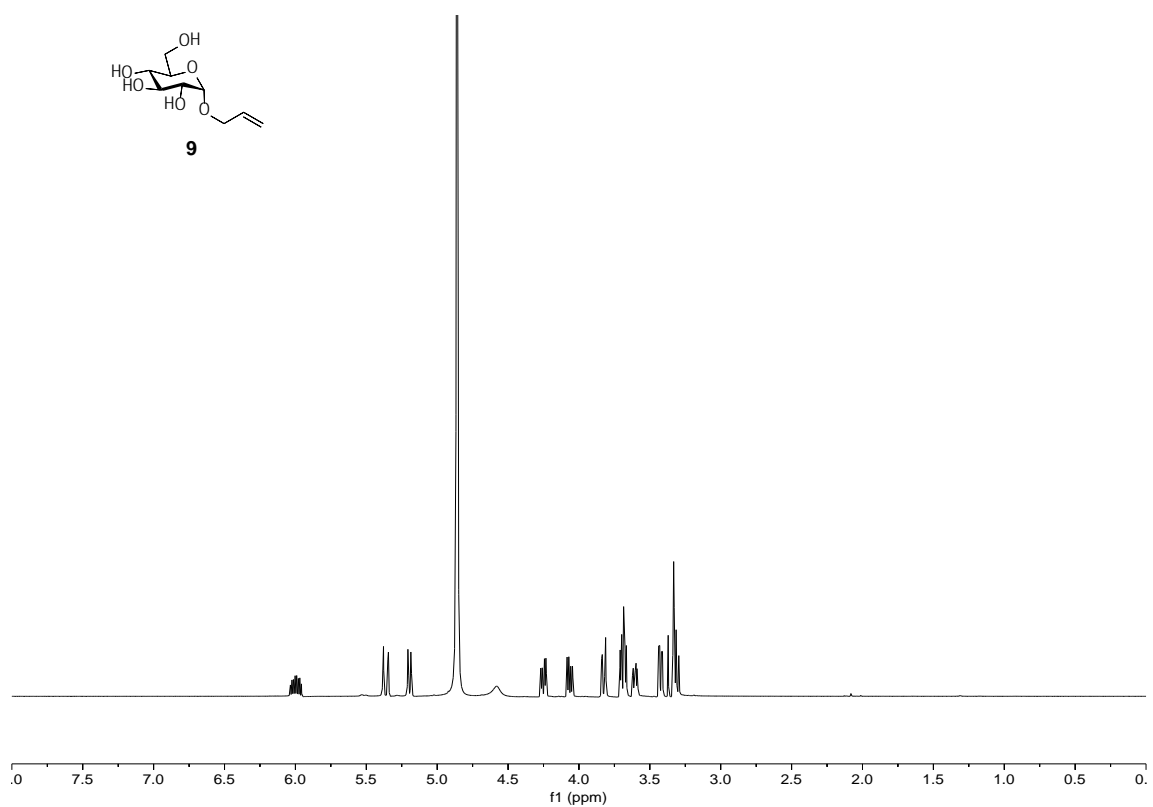
^{13}C -NMR (100 MHz, CDCl_3): compound **7**



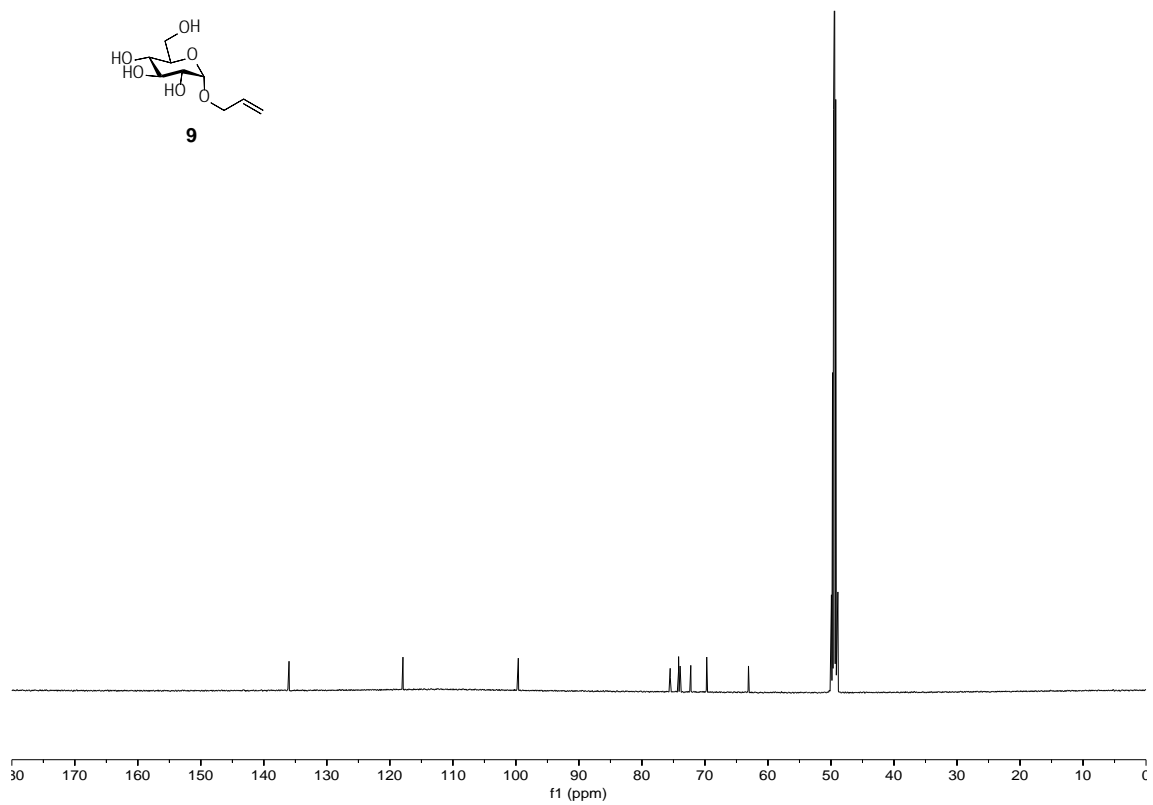
^1H -NMR (500 MHz, MeOD): compound **8**



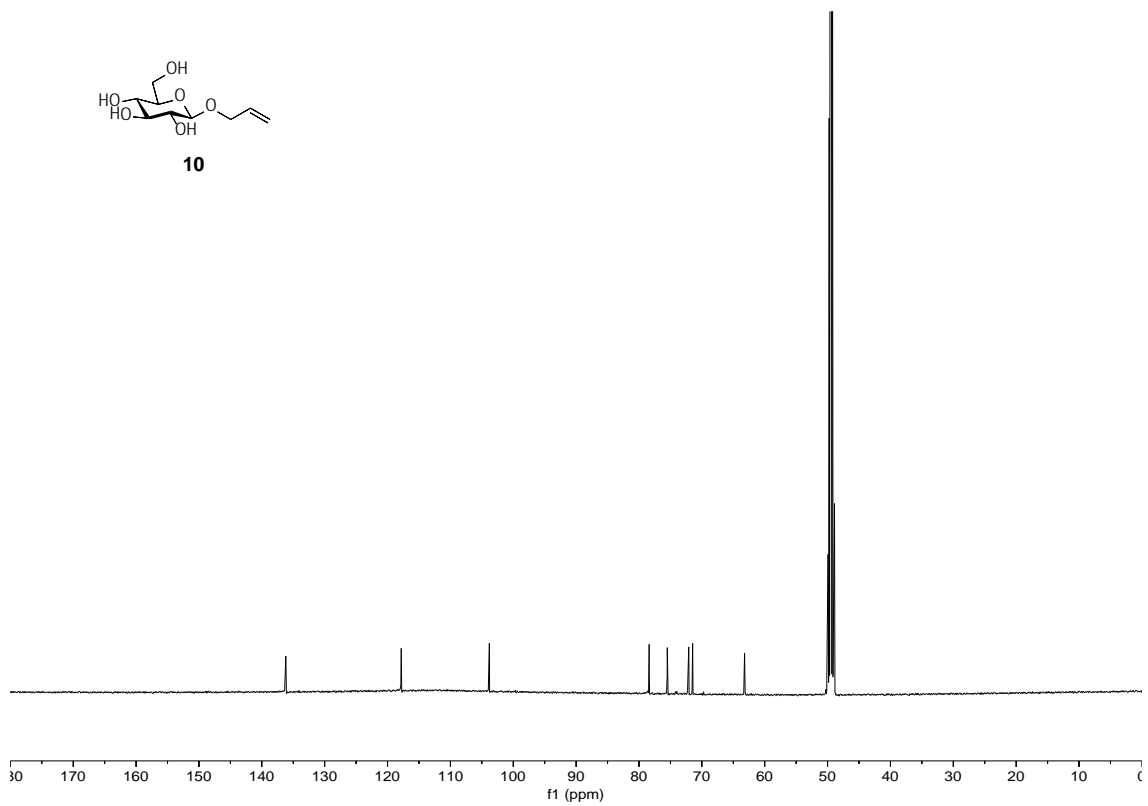
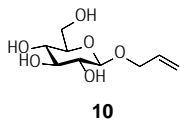
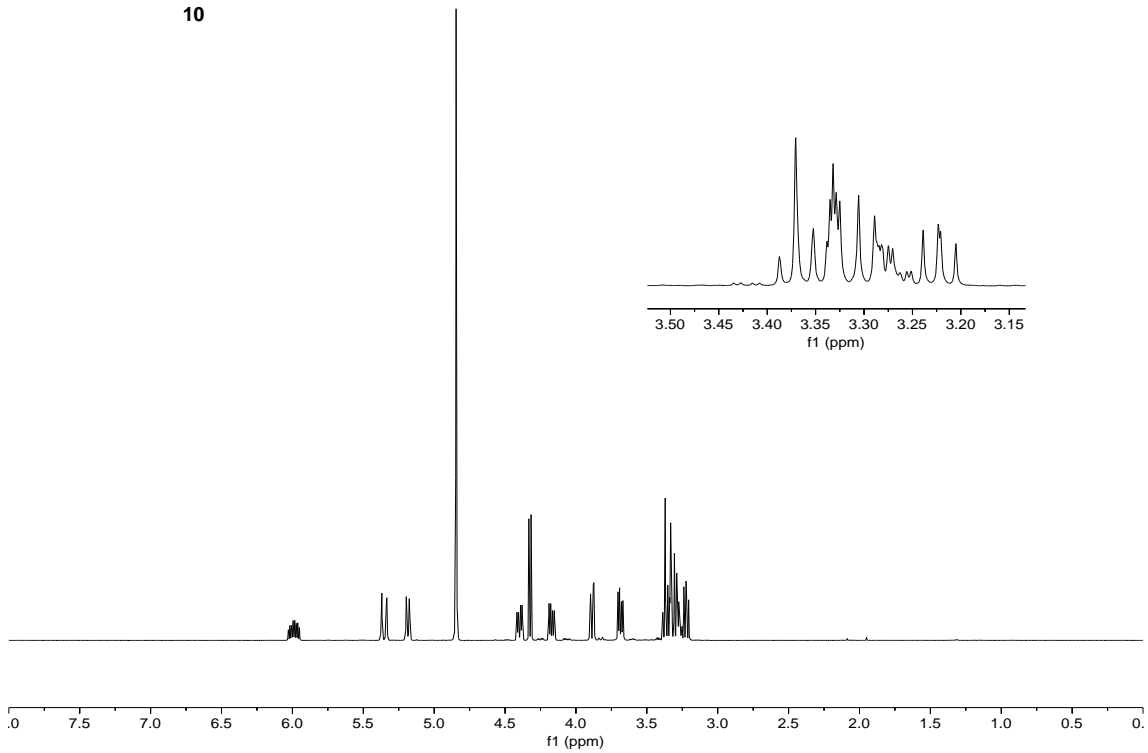
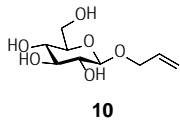
^{13}C -NMR (125 MHz, MeOD): compound **8**

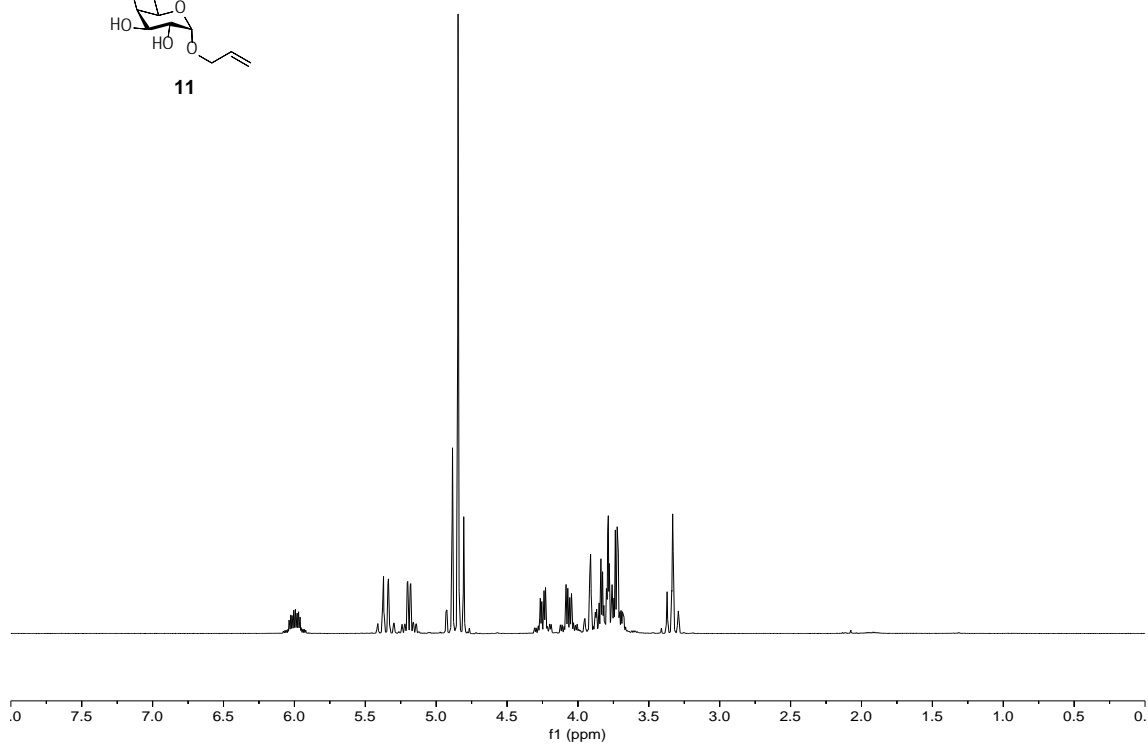
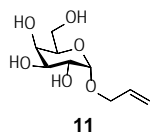


¹H-NMR (500 MHz, MeOD): compound **9**

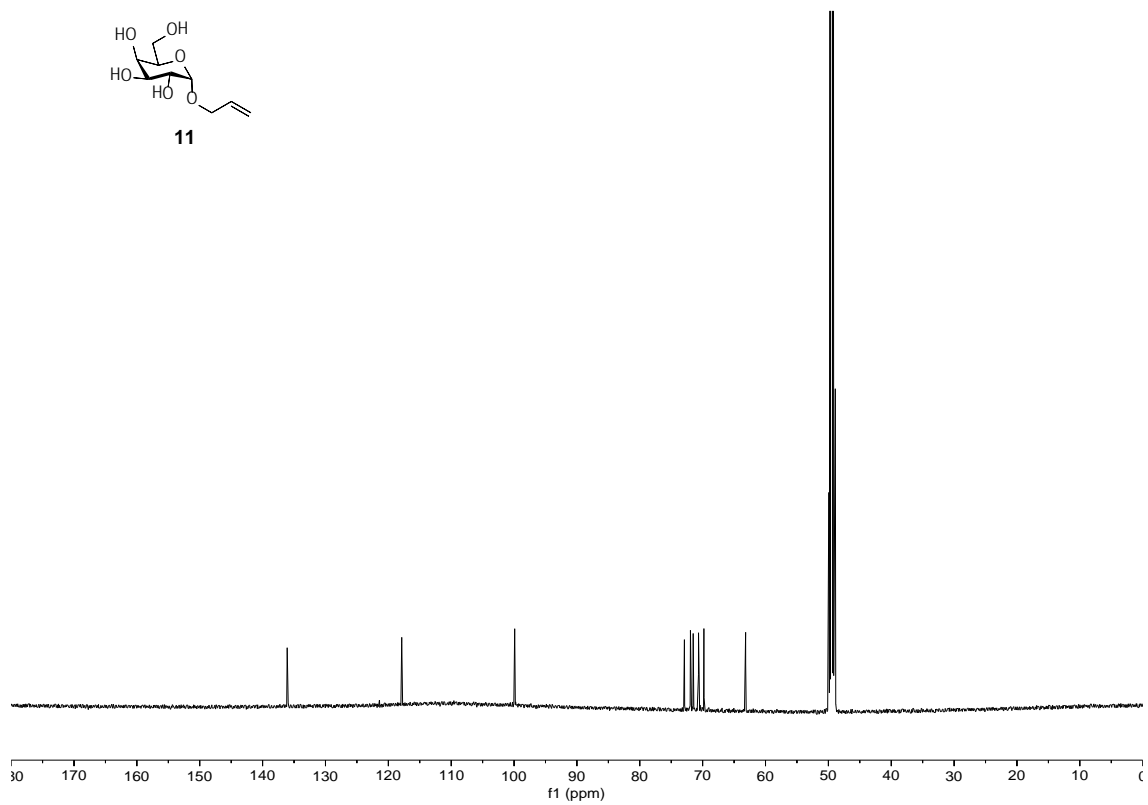
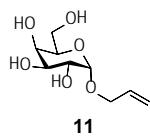


¹³C-NMR (125 MHz, MeOD): compound **9**

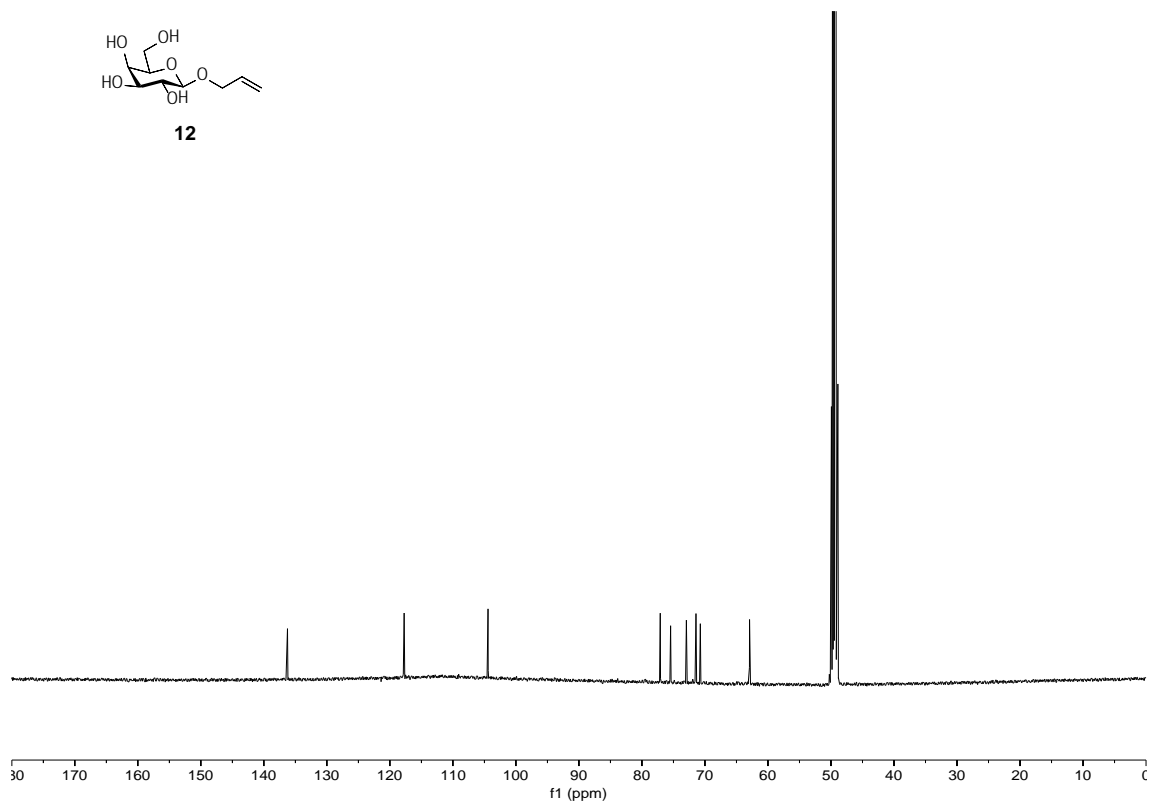
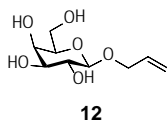
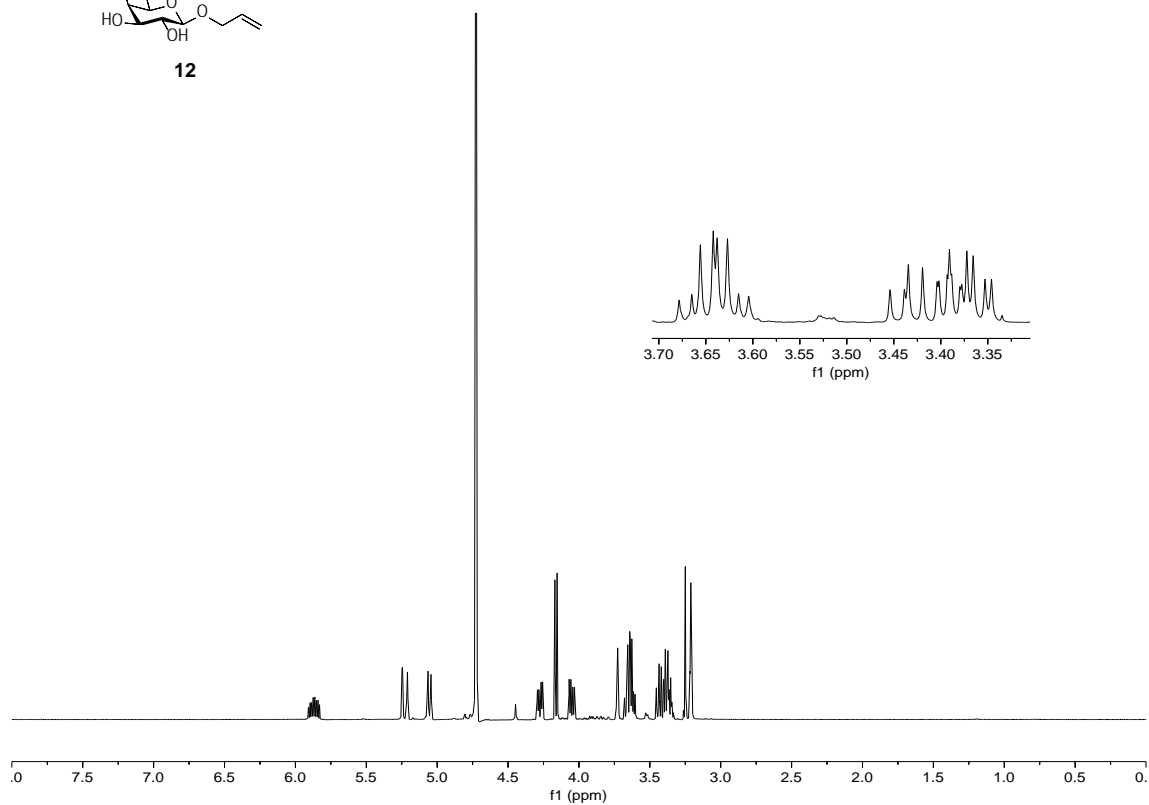
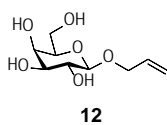


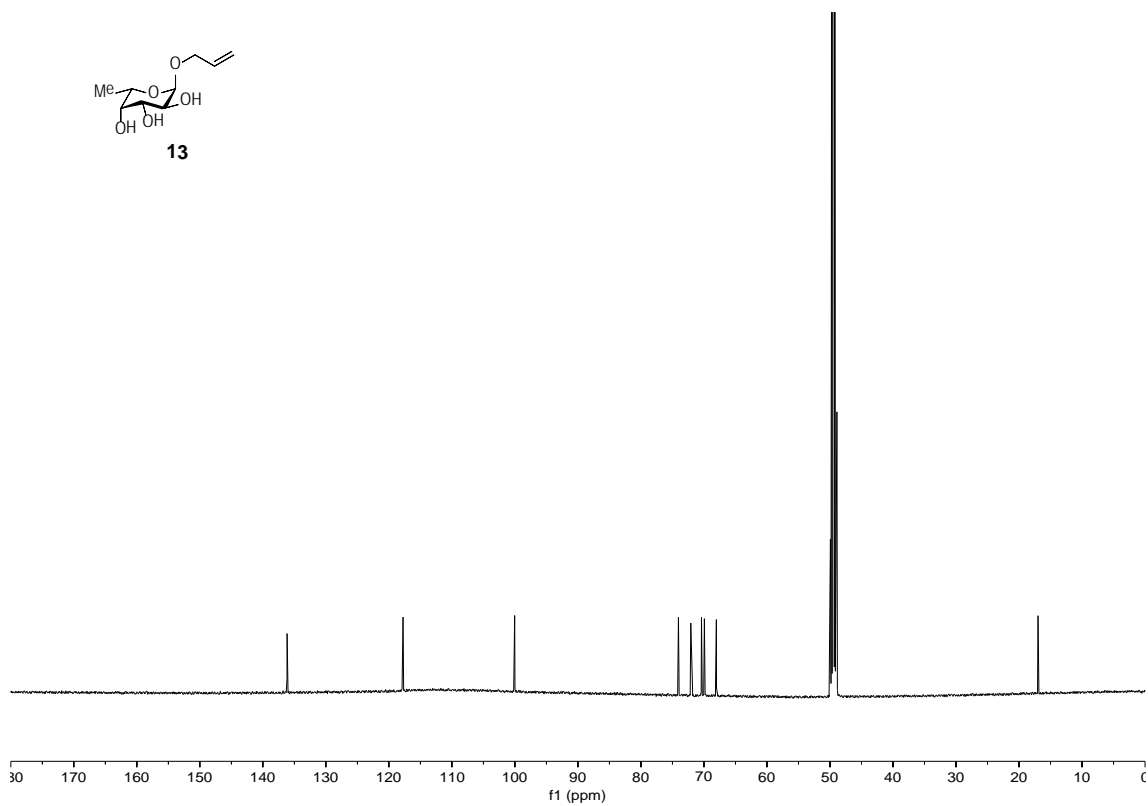
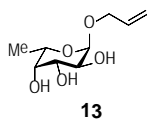
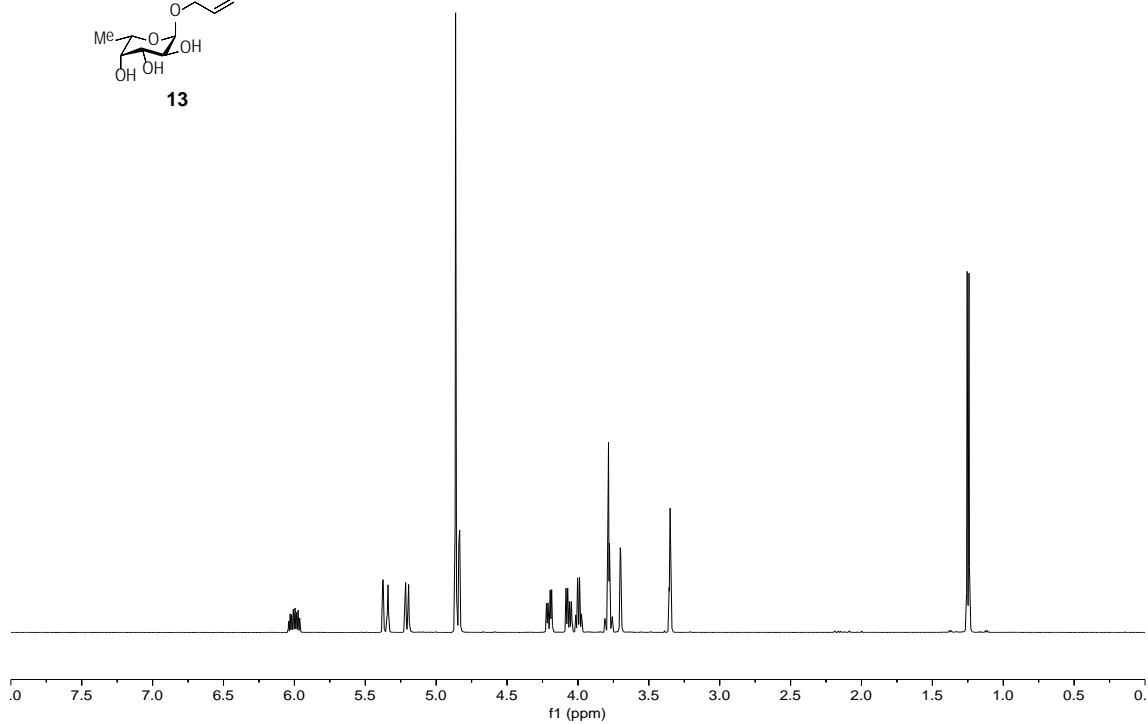
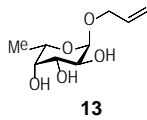


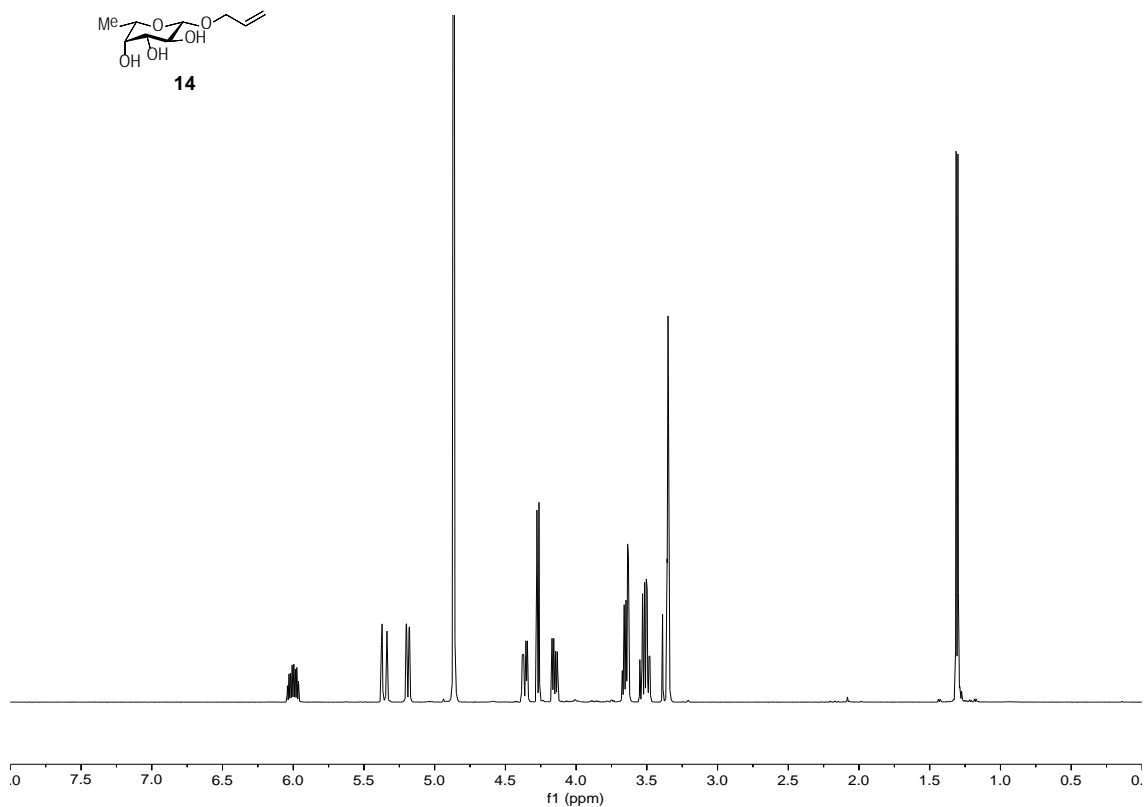
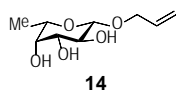
¹H-NMR (500 MHz, MeOD): compound **11**



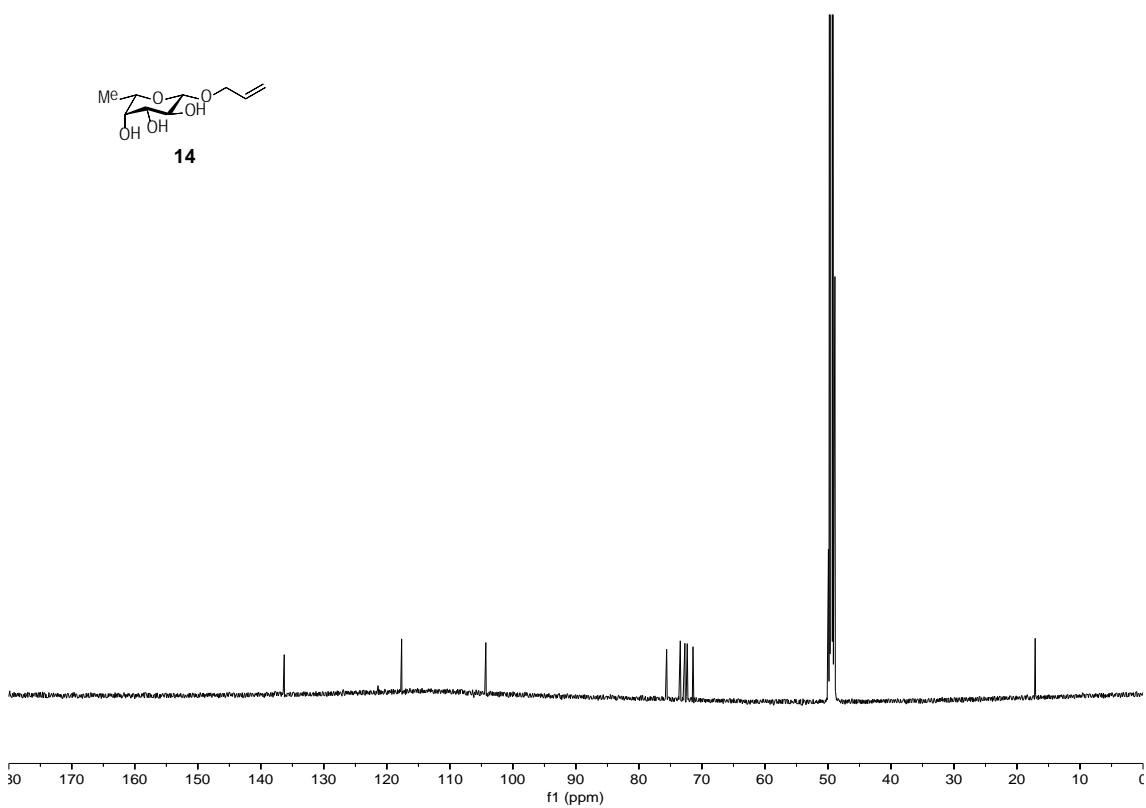
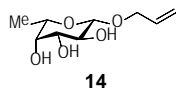
¹³C-NMR (125 MHz, MeOD): compound **11**



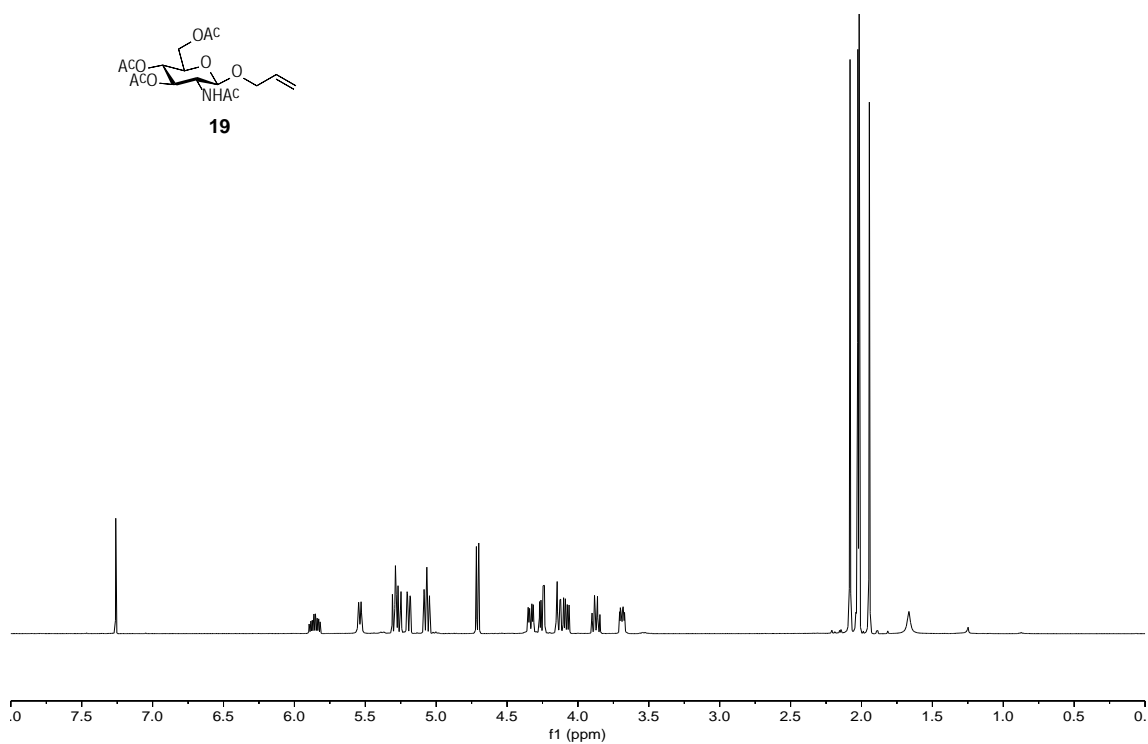
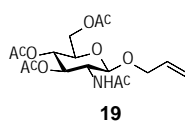




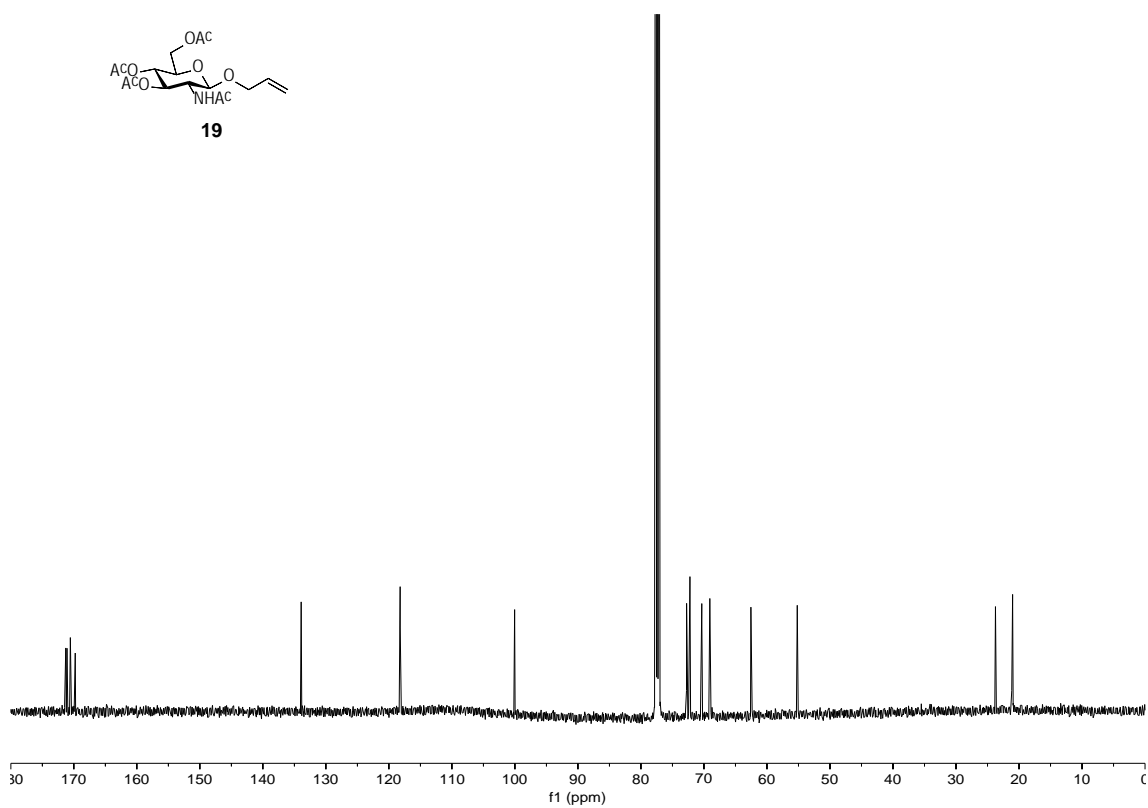
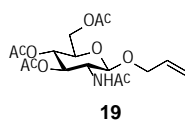
¹H-NMR (500 MHz, MeOD): compound **14**



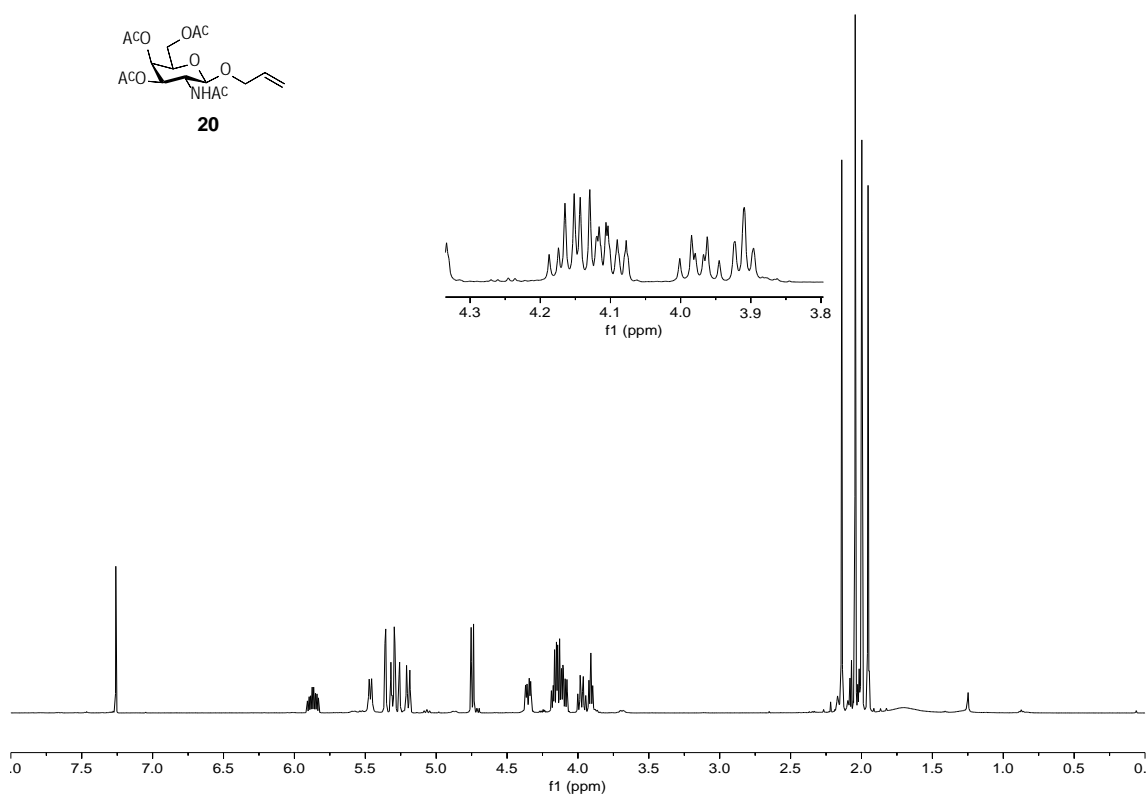
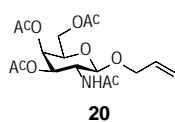
¹³C-NMR (125 MHz, MeOD): compound **14**



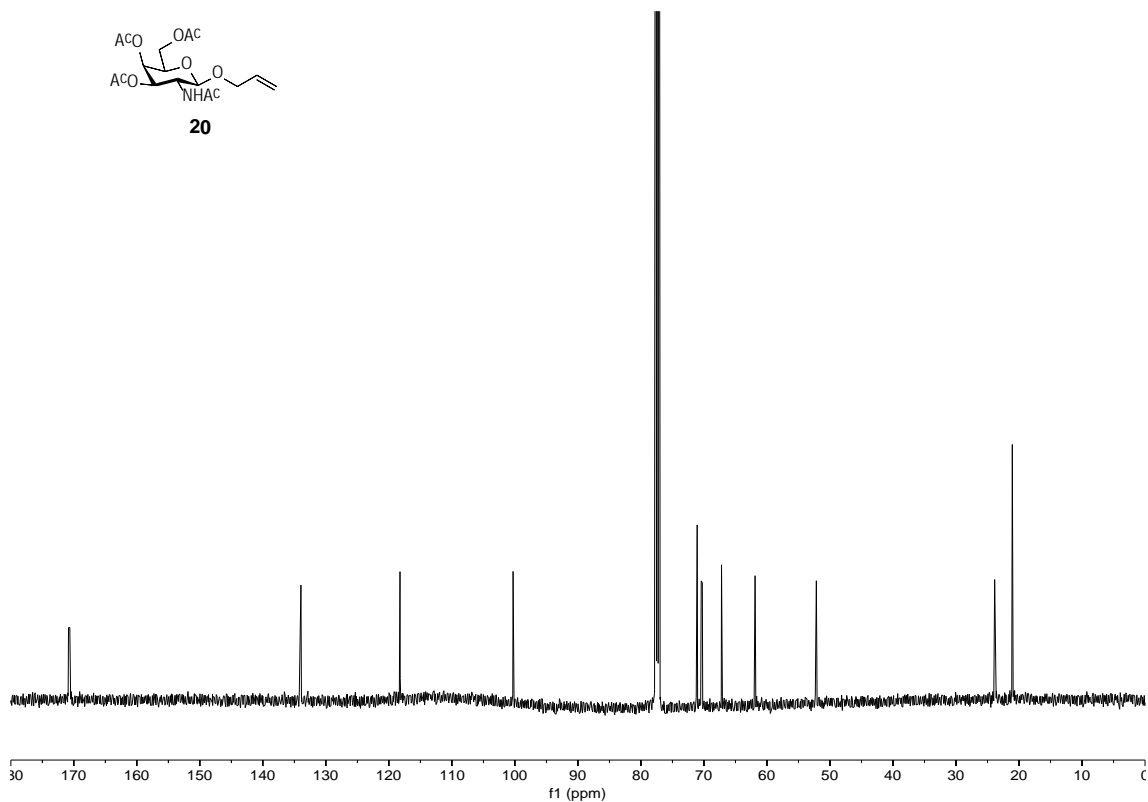
¹H-NMR (500 MHz, CDCl₃): compound **19**



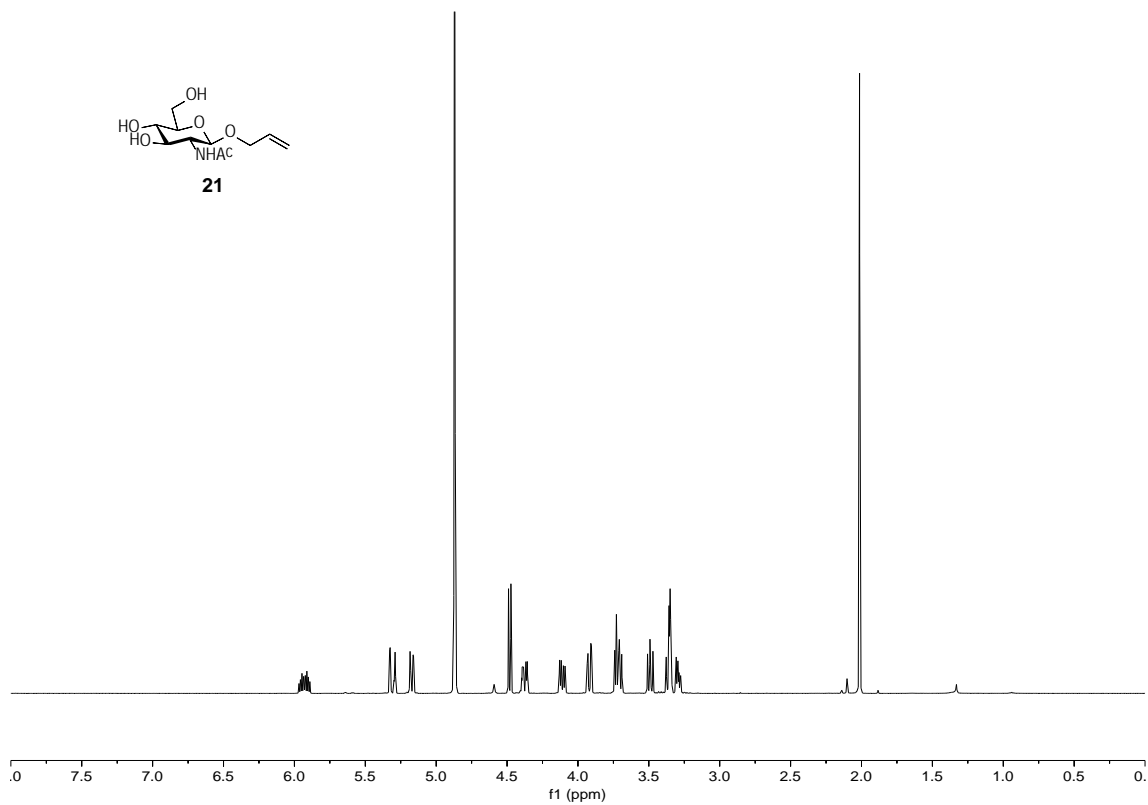
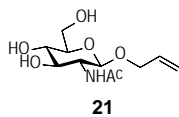
¹³C-NMR (125 MHz, CDCl₃): compound **19**



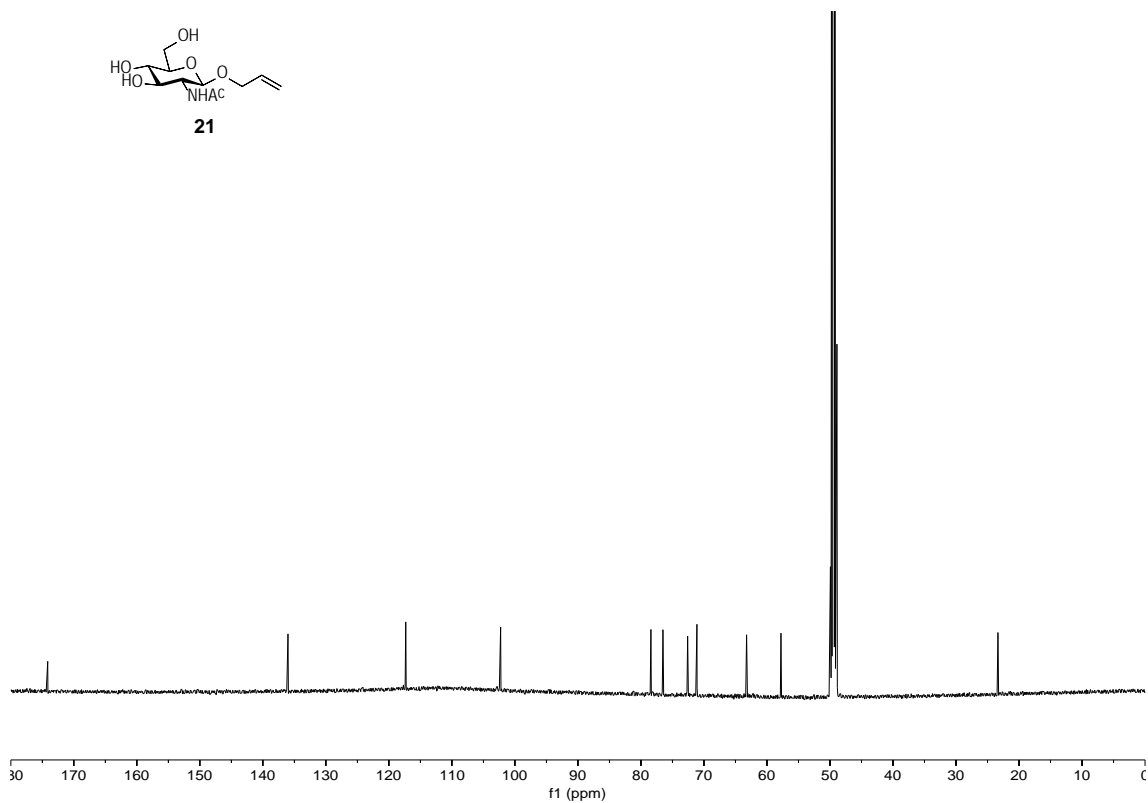
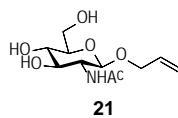
$^1\text{H-NMR}$ (500 MHz, CDCl_3): compound **20**



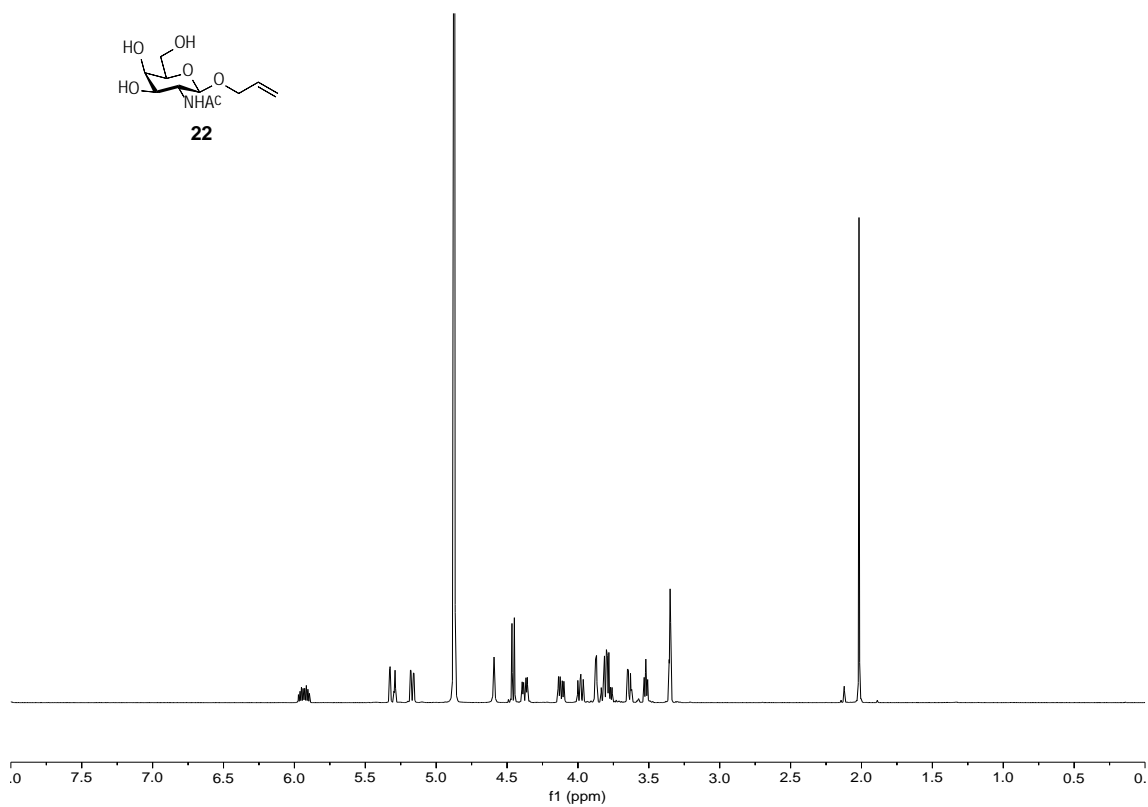
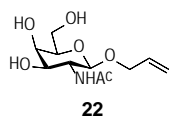
$^{13}\text{C-NMR}$ (125 MHz, CDCl_3): compound **20**



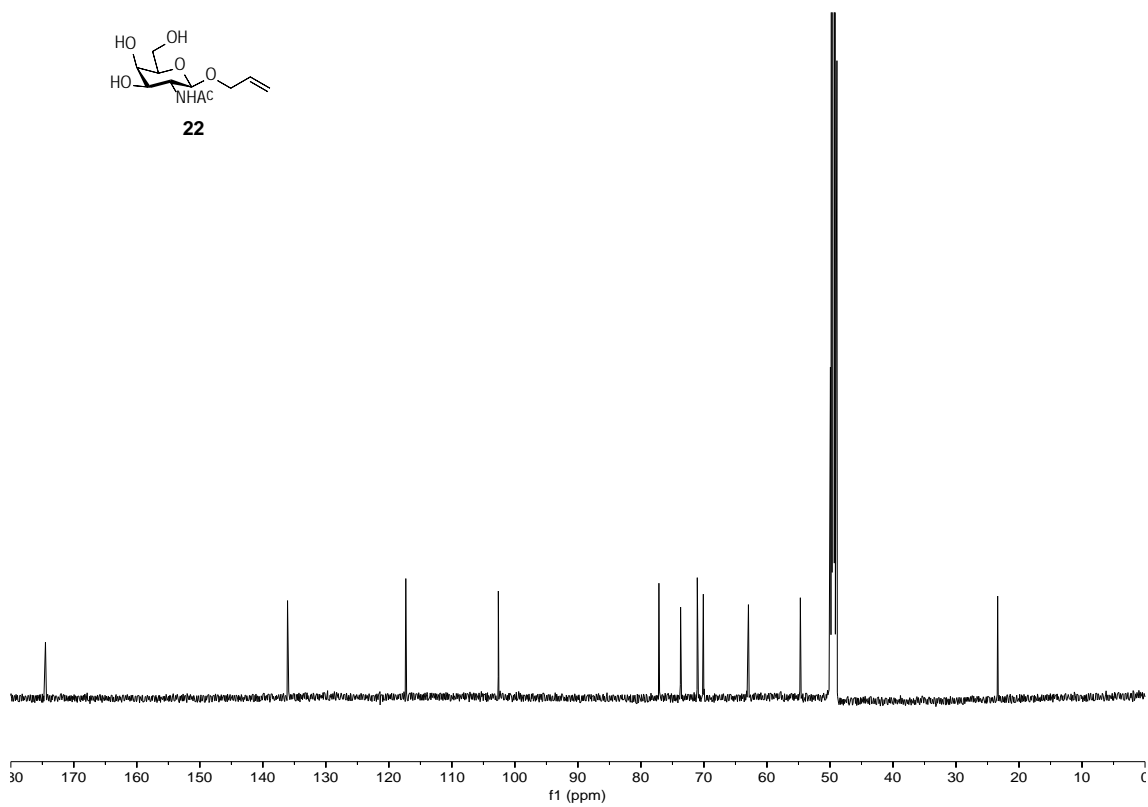
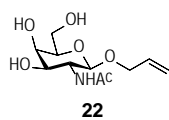
¹H-NMR (500 MHz, MeOD): compound **21**



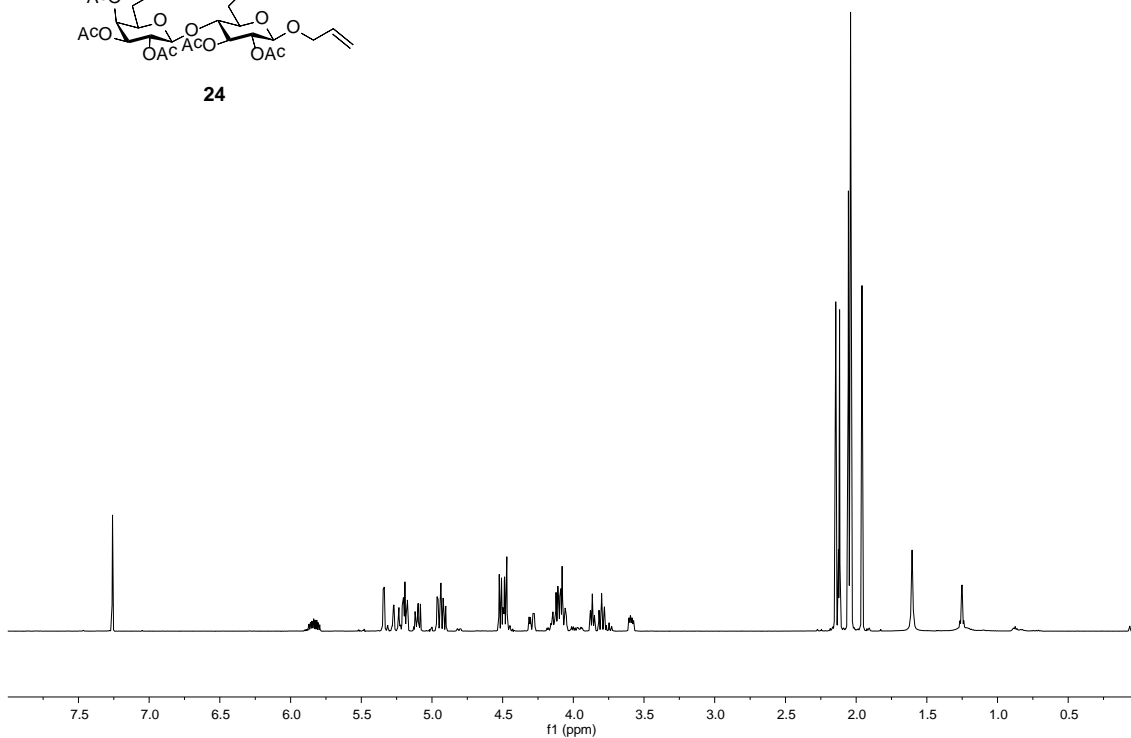
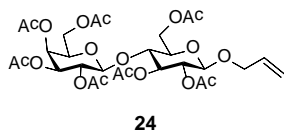
¹³C-NMR (125 MHz, MeOD): compound **21**



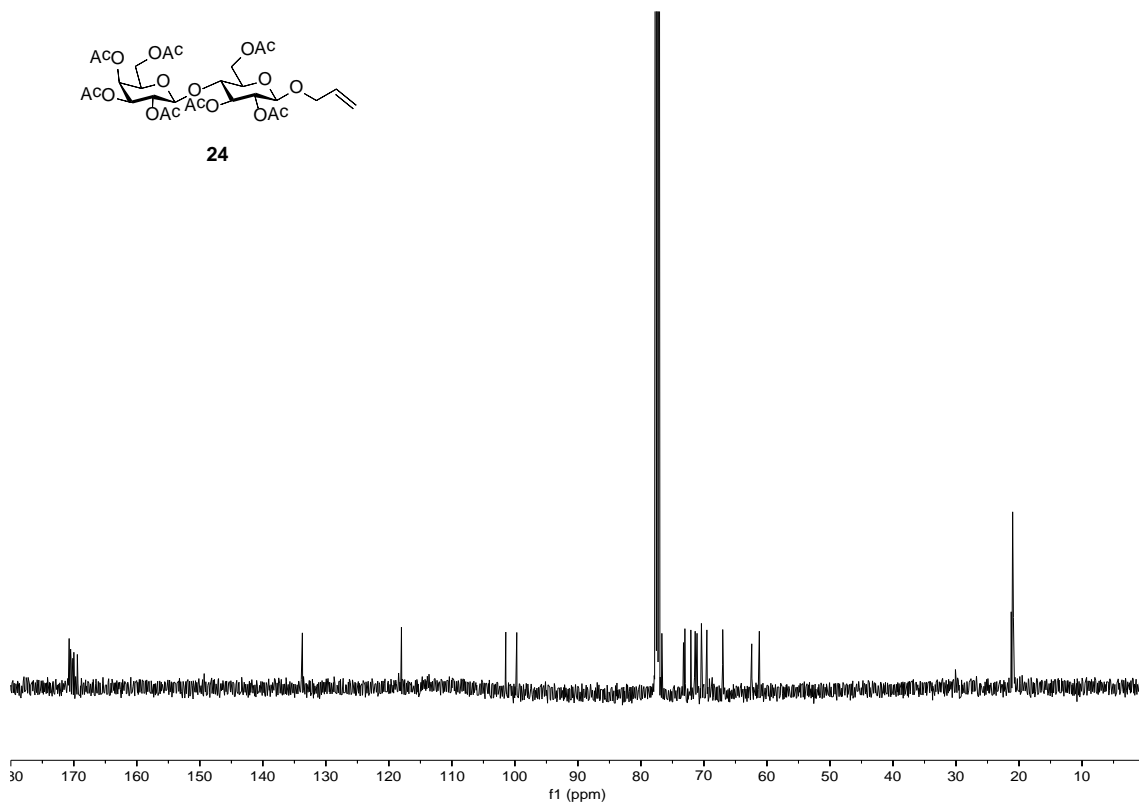
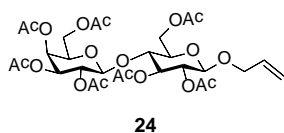
¹H-NMR (500 MHz, CDCl₃): compound **22**



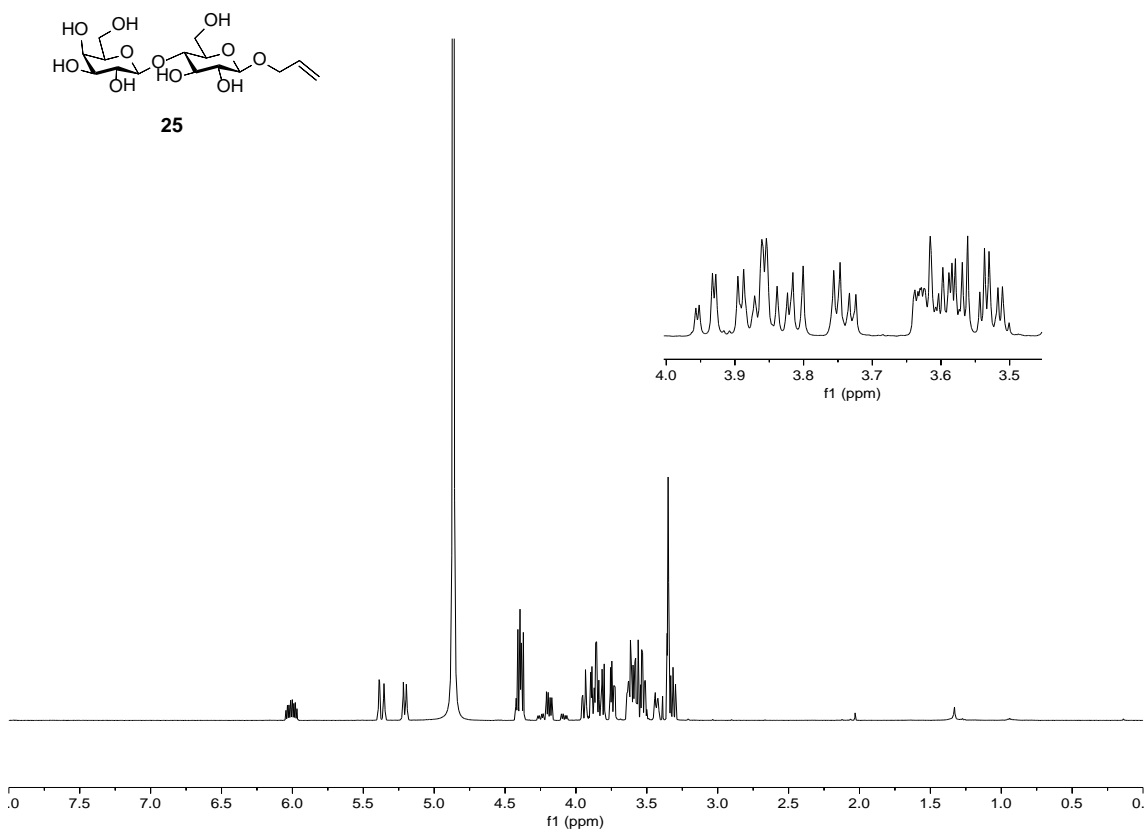
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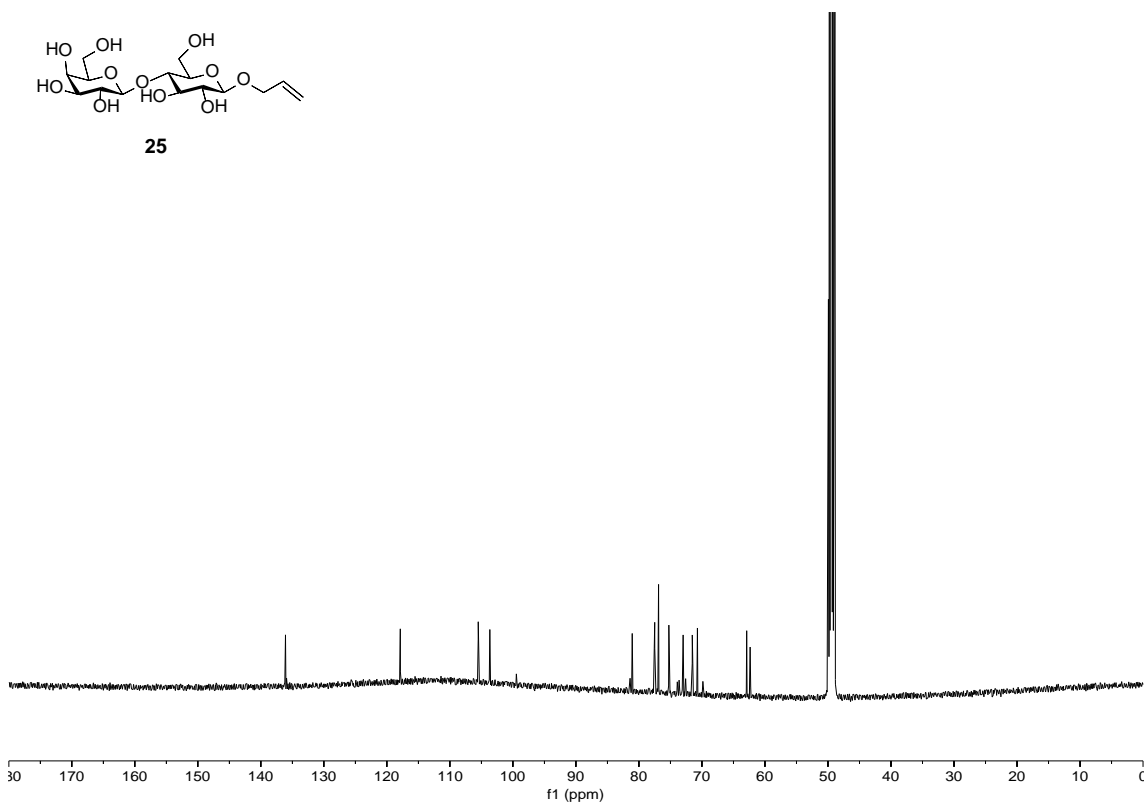
^1H -NMR (500 MHz, CDCl_3): compound **24**



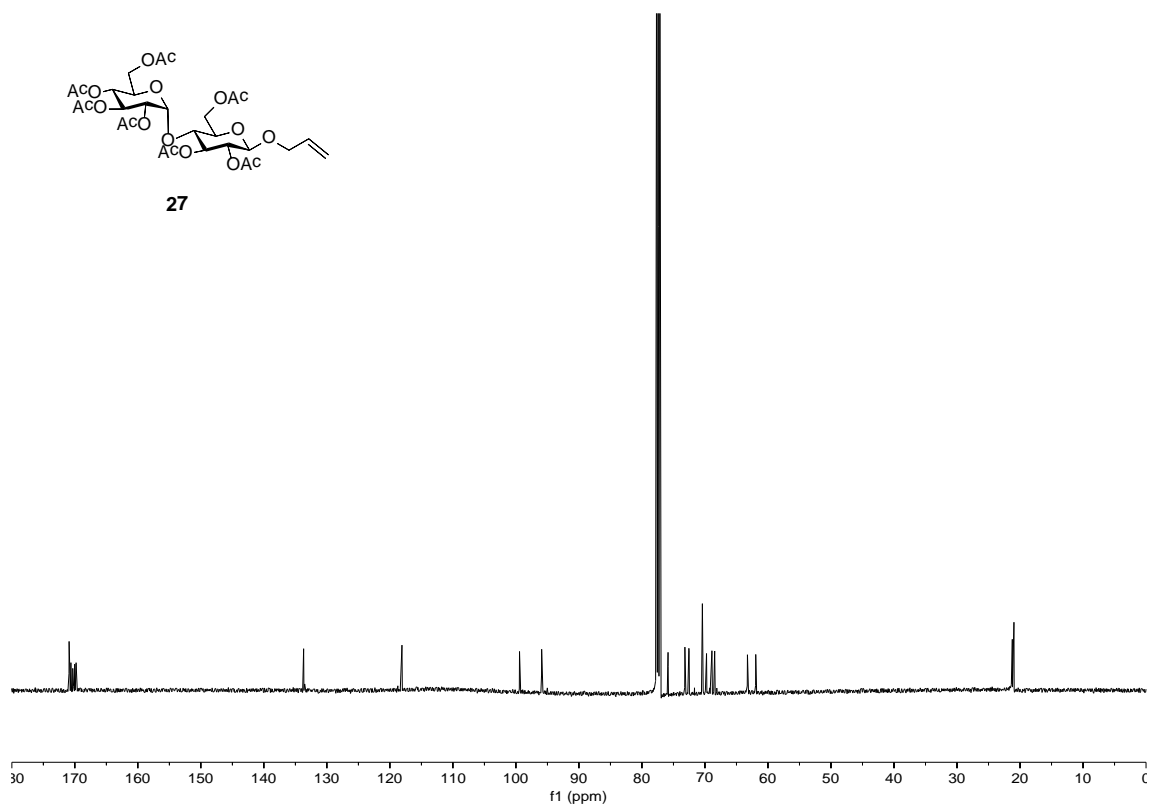
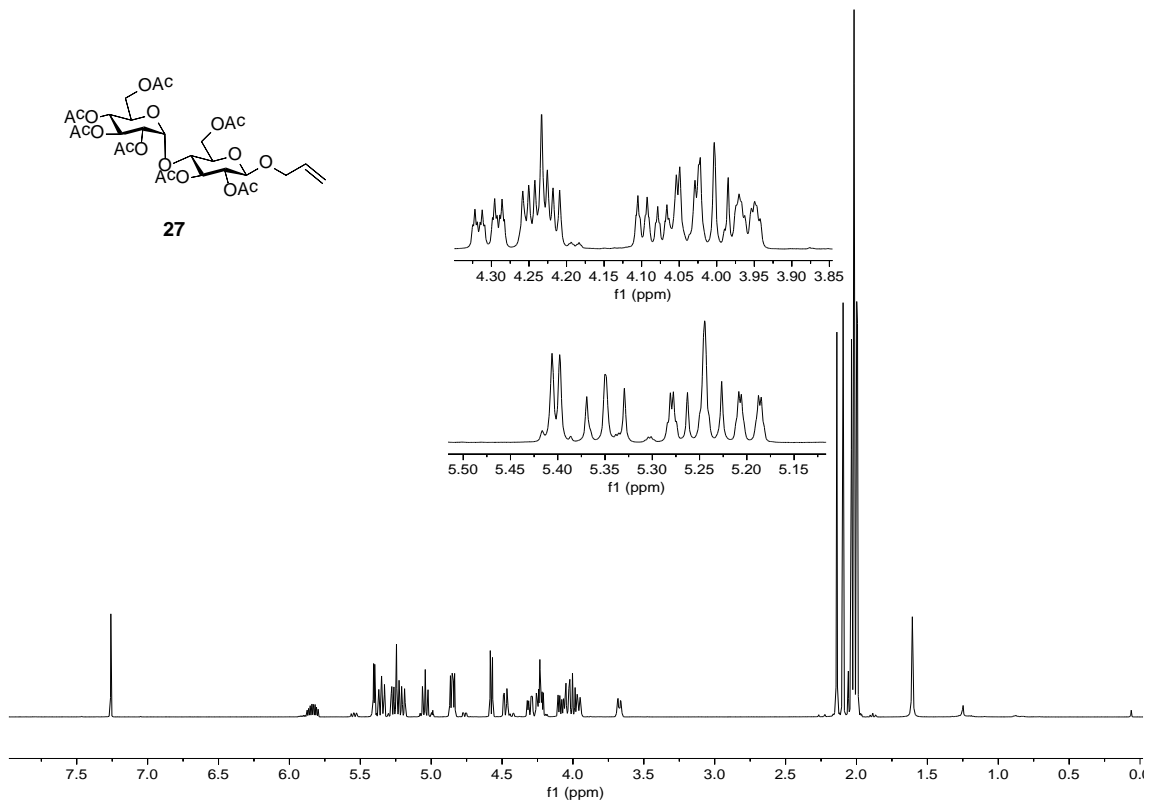
^{13}C -NMR (125 MHz, CDCl_3): compound **24**

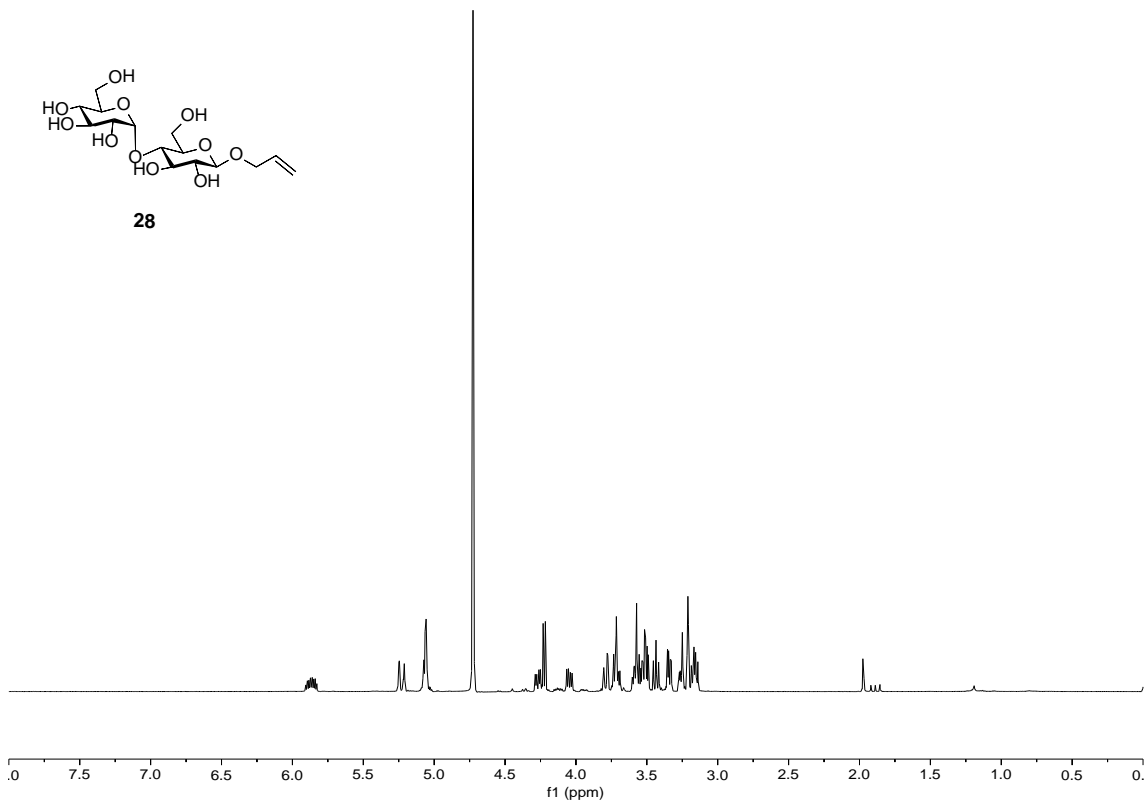


¹H-NMR (500 MHz, MeOD): compound 25

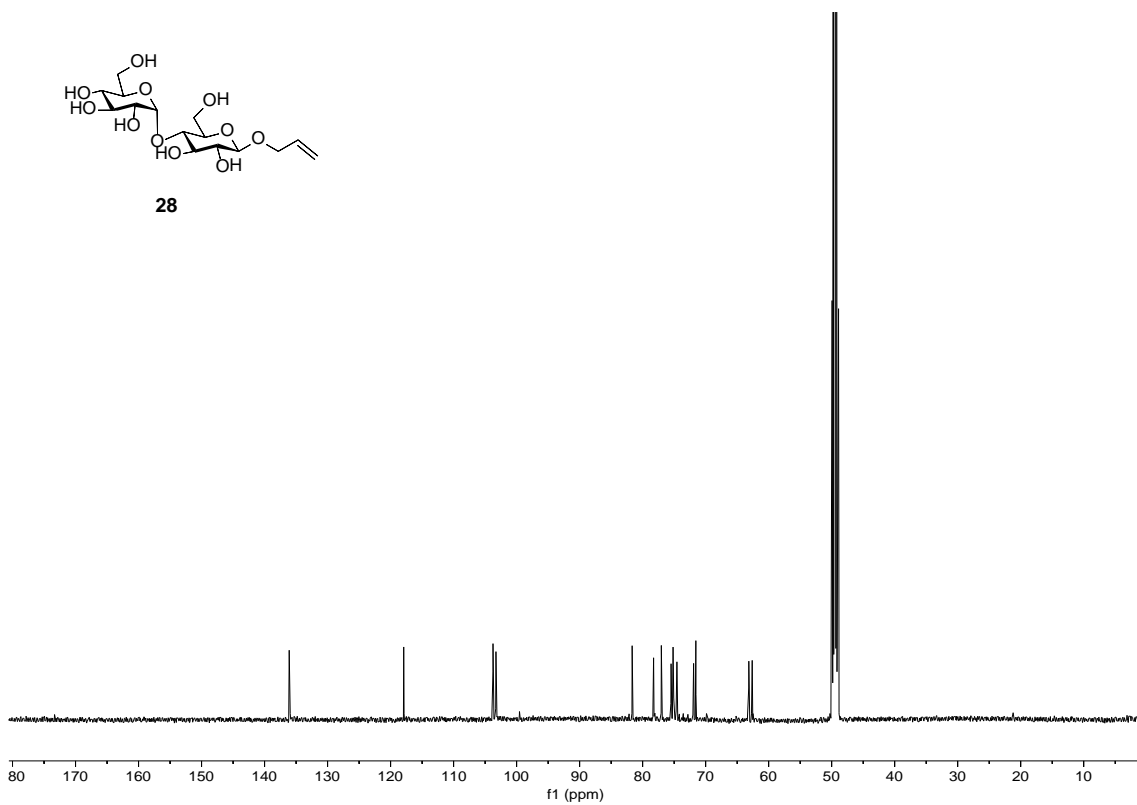


¹³C-NMR (125 MHz, MeOD): compound 25

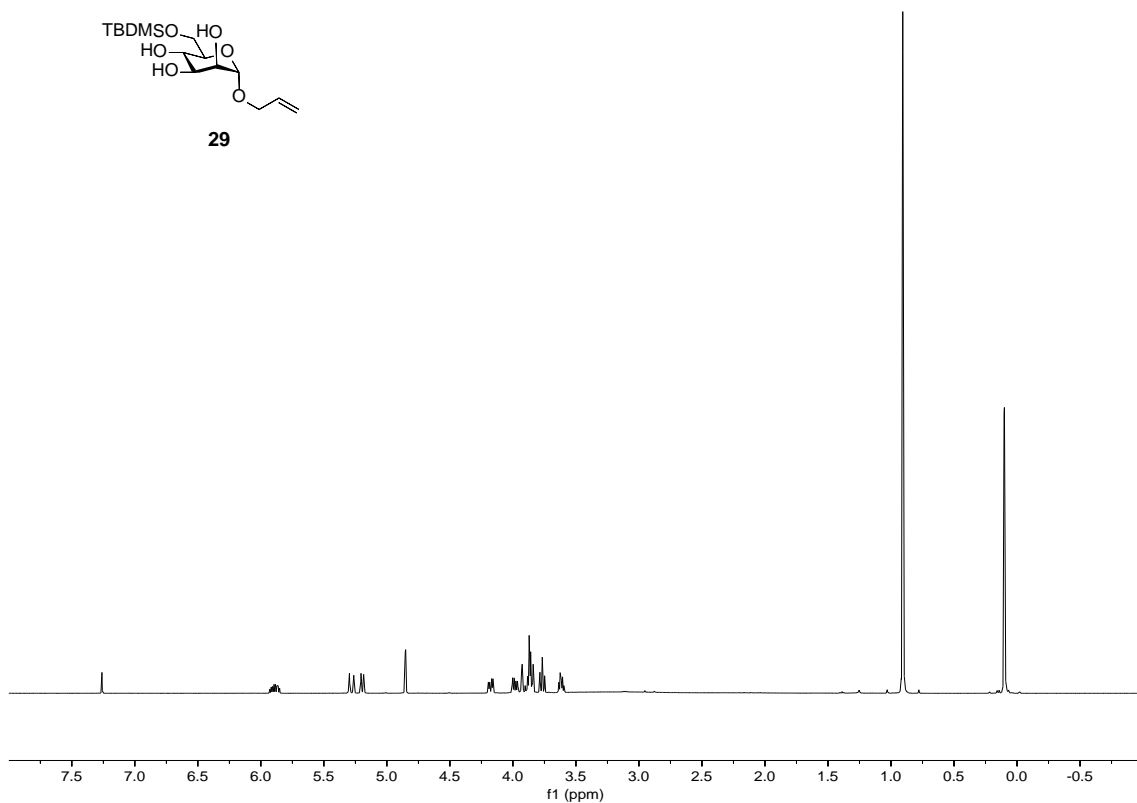
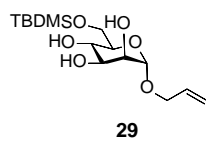




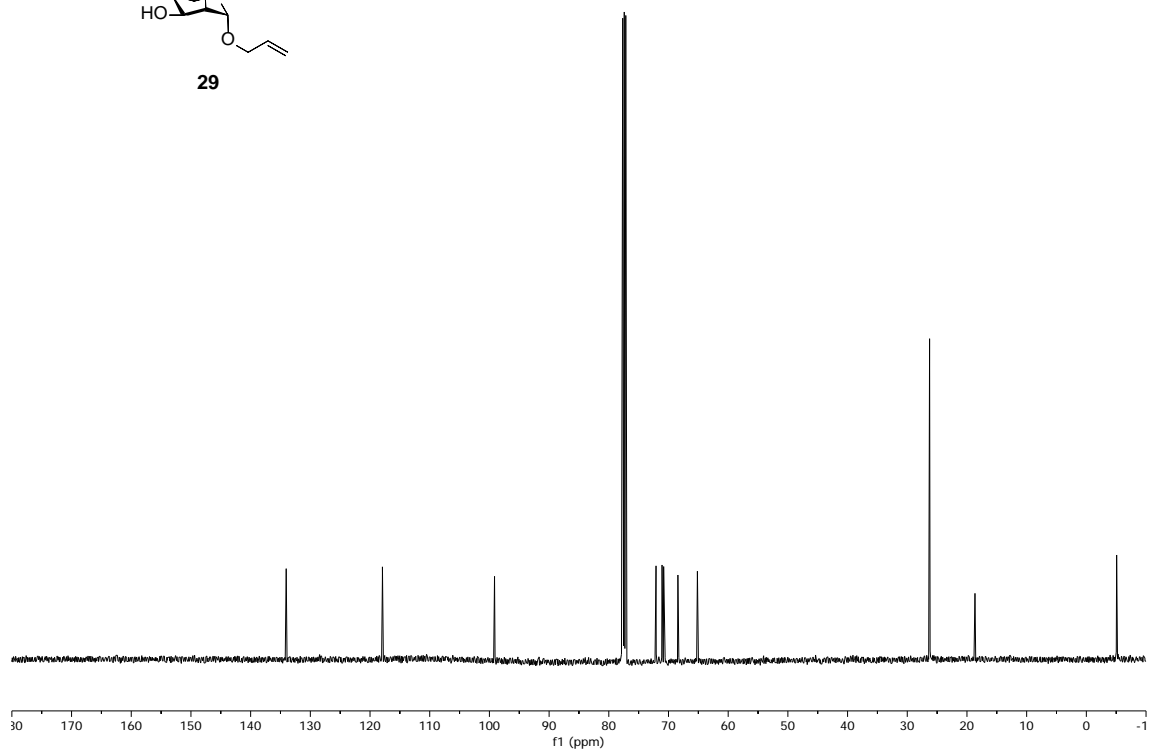
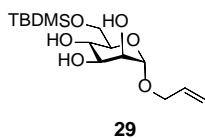
¹H-NMR (500 MHz, MeOD): compound **28**



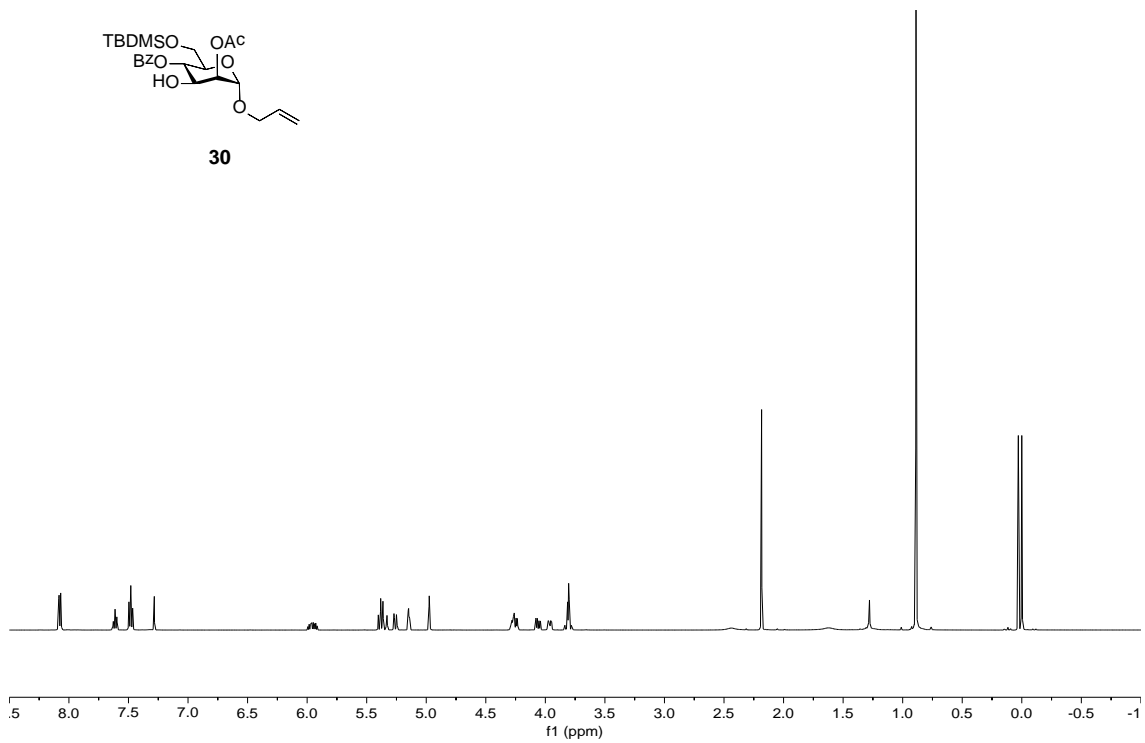
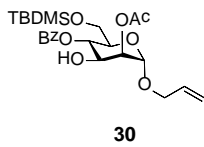
¹³C-NMR (125 MHz, MeOD): compound **28**



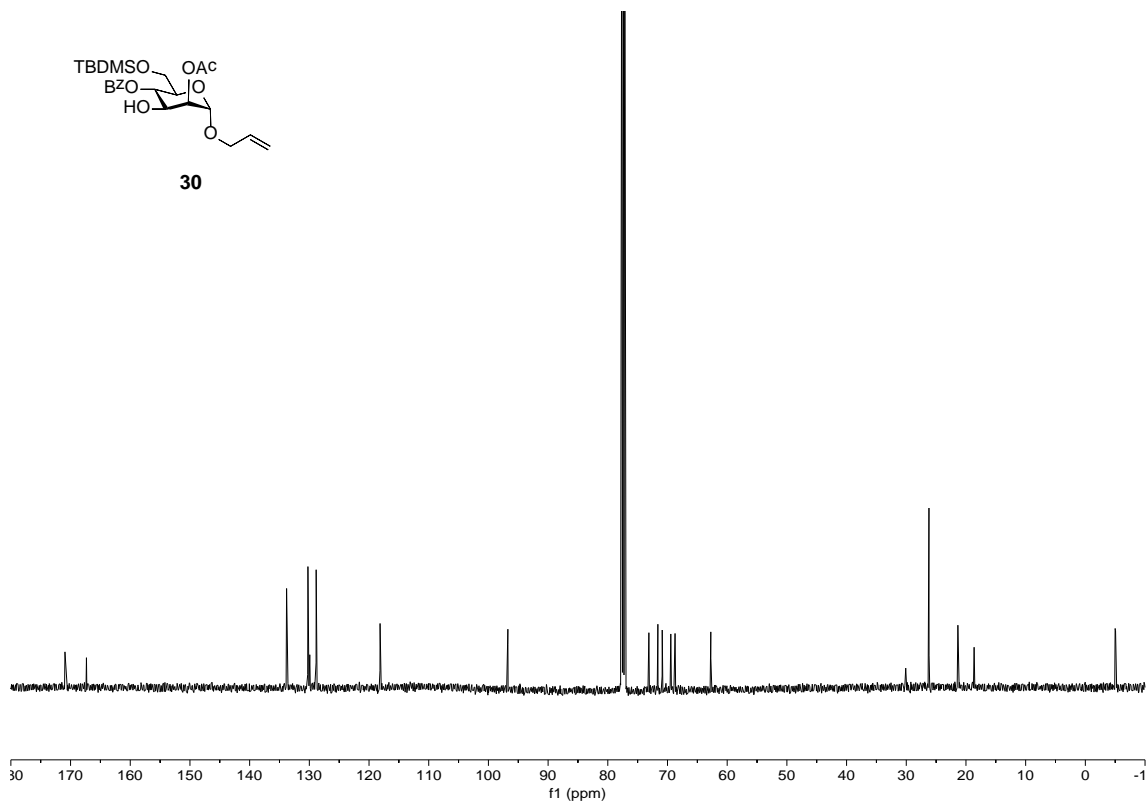
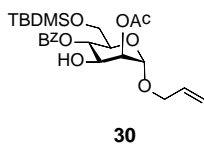
¹H-NMR (500 MHz, CDCl₃): compound **29**



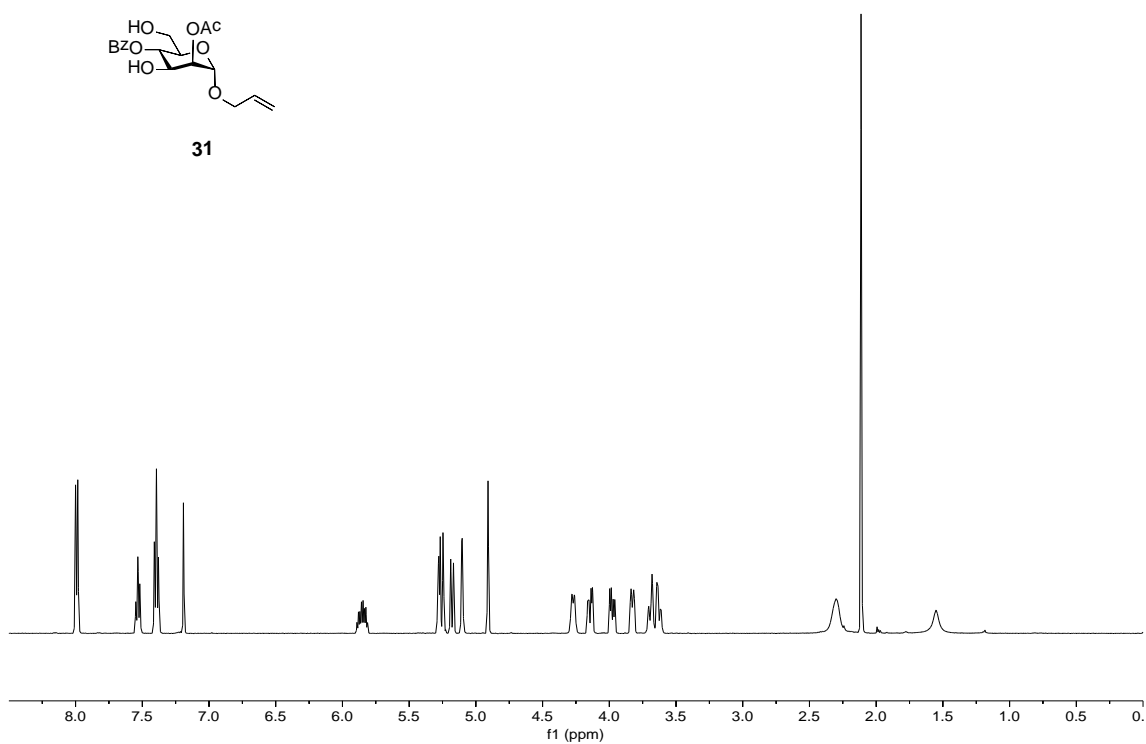
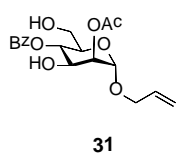
¹³C-NMR (125 MHz, CDCl₃): compound **29**



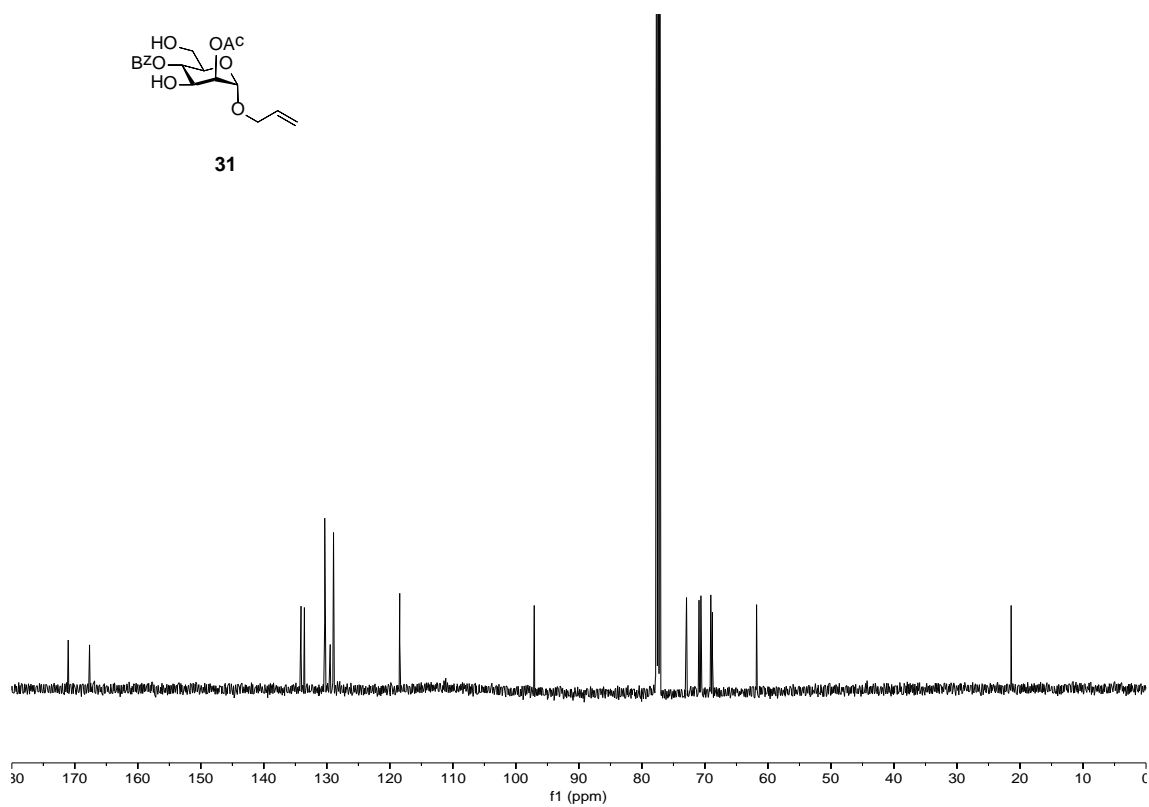
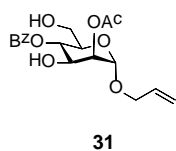
¹H-NMR (500 MHz, CDCl₃): compound **30**



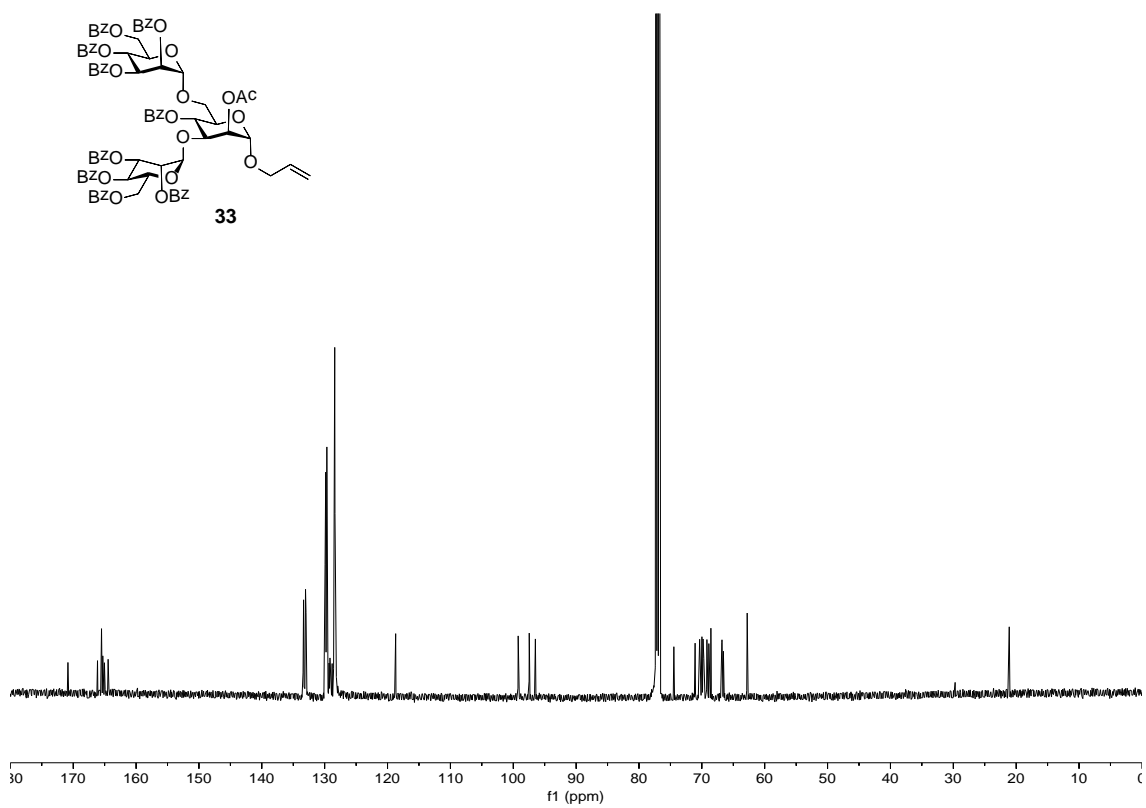
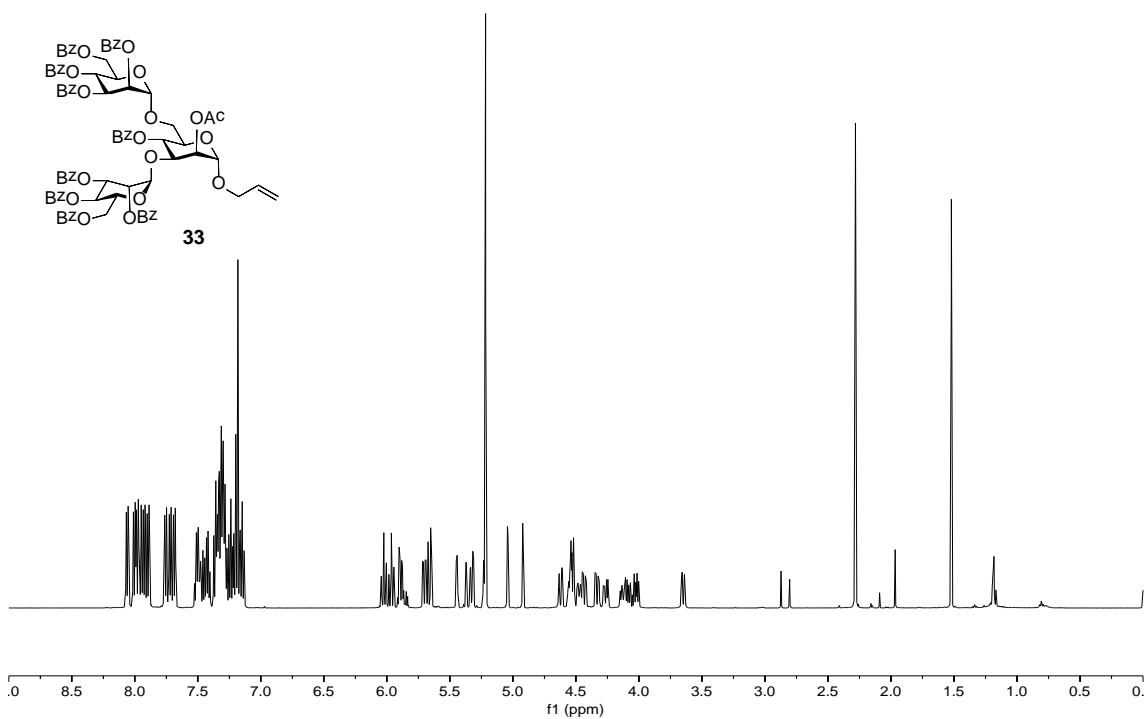
¹³C-NMR (125 MHz, CDCl₃): compound **30**

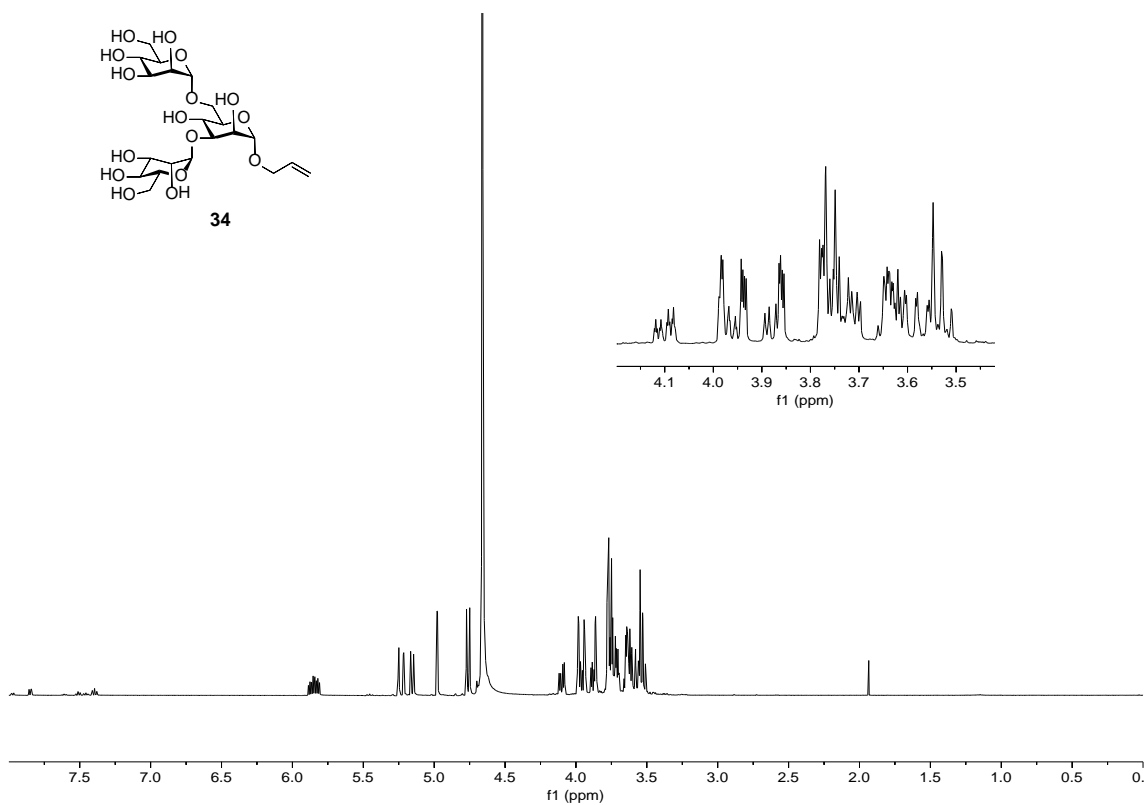


¹H-NMR (500 MHz, CDCl₃): compound **31**

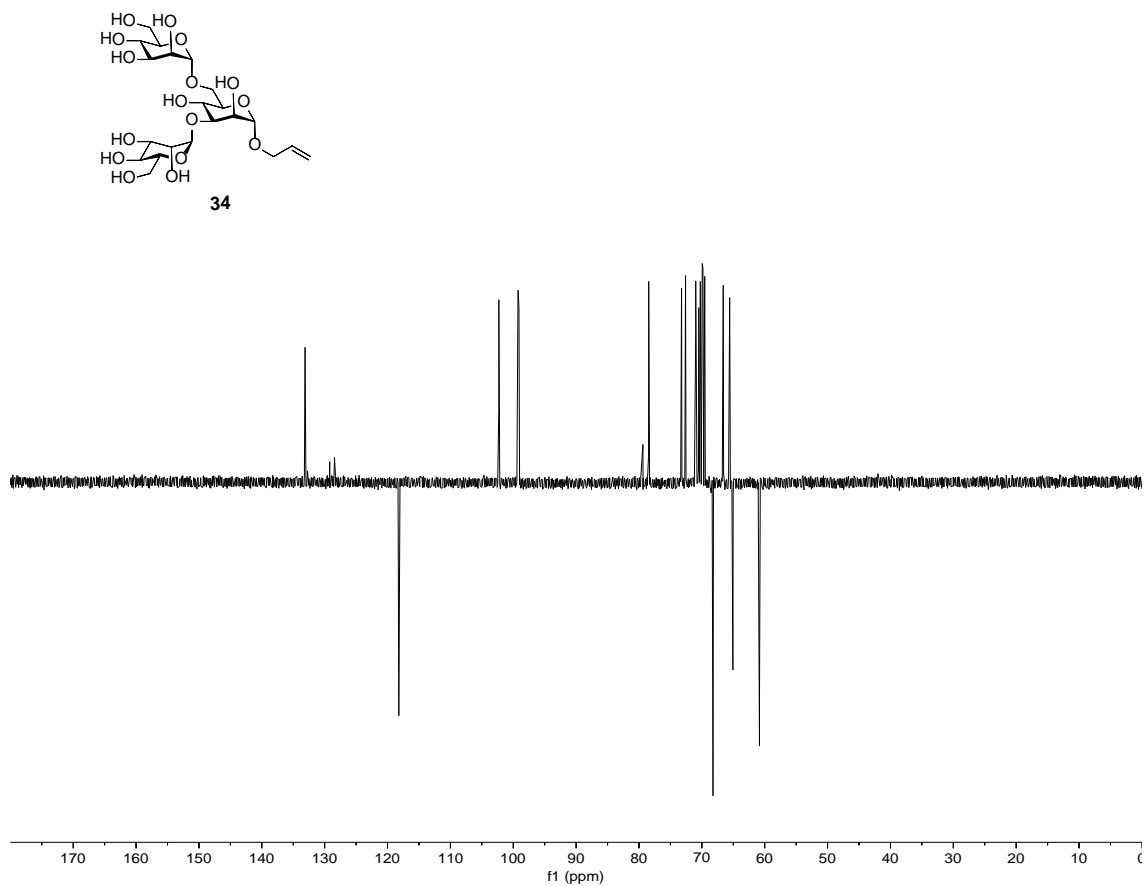


¹³C-NMR (125 MHz, CDCl₃): compound **31**

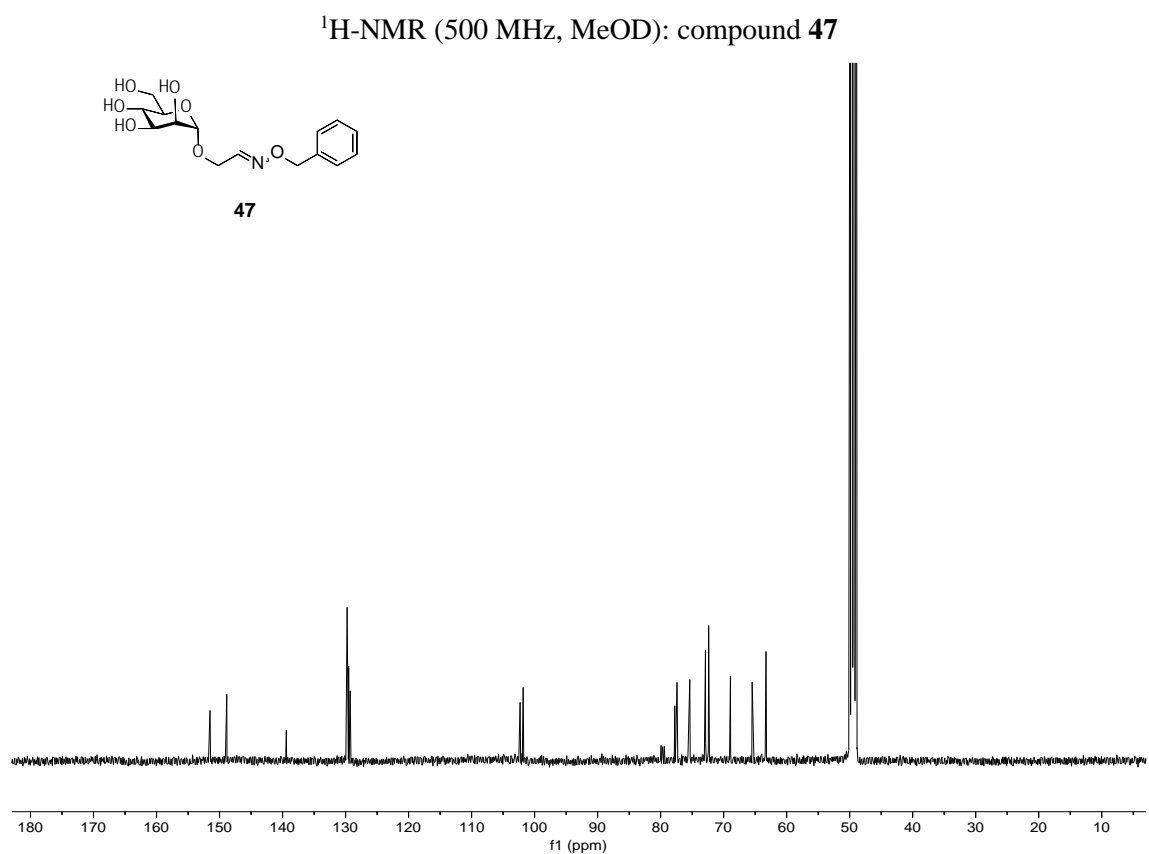
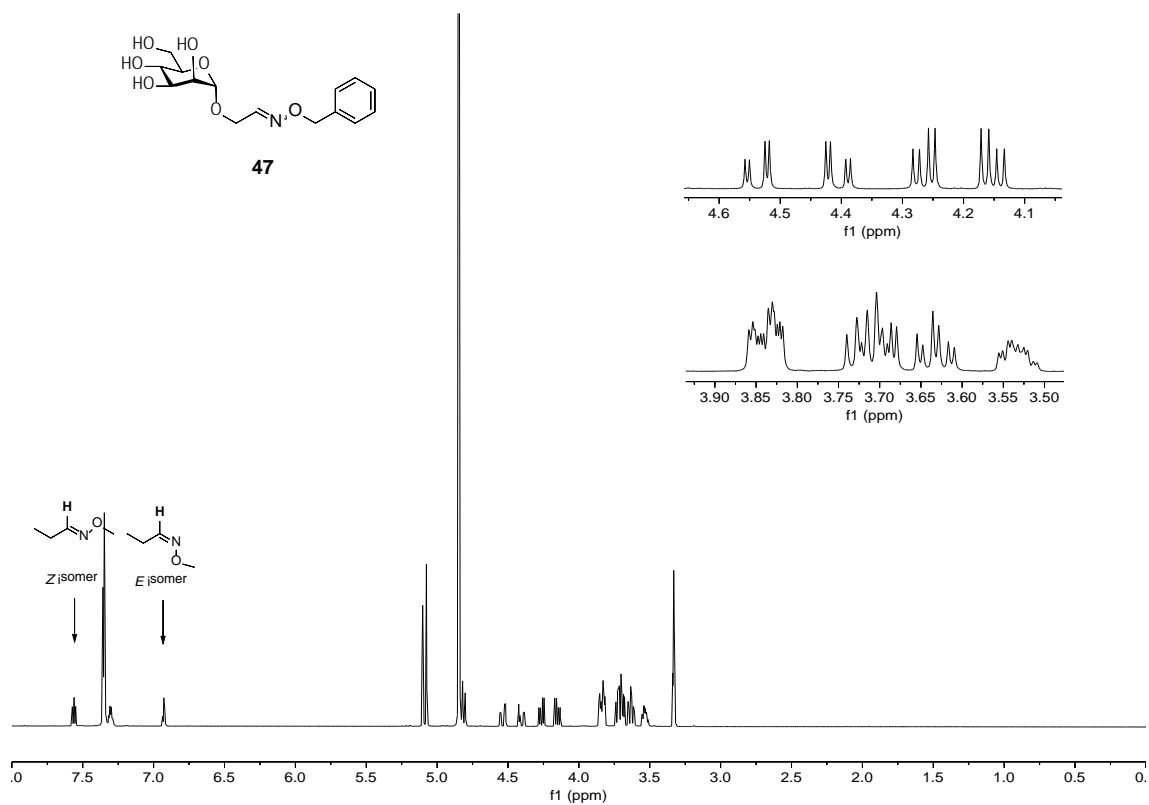


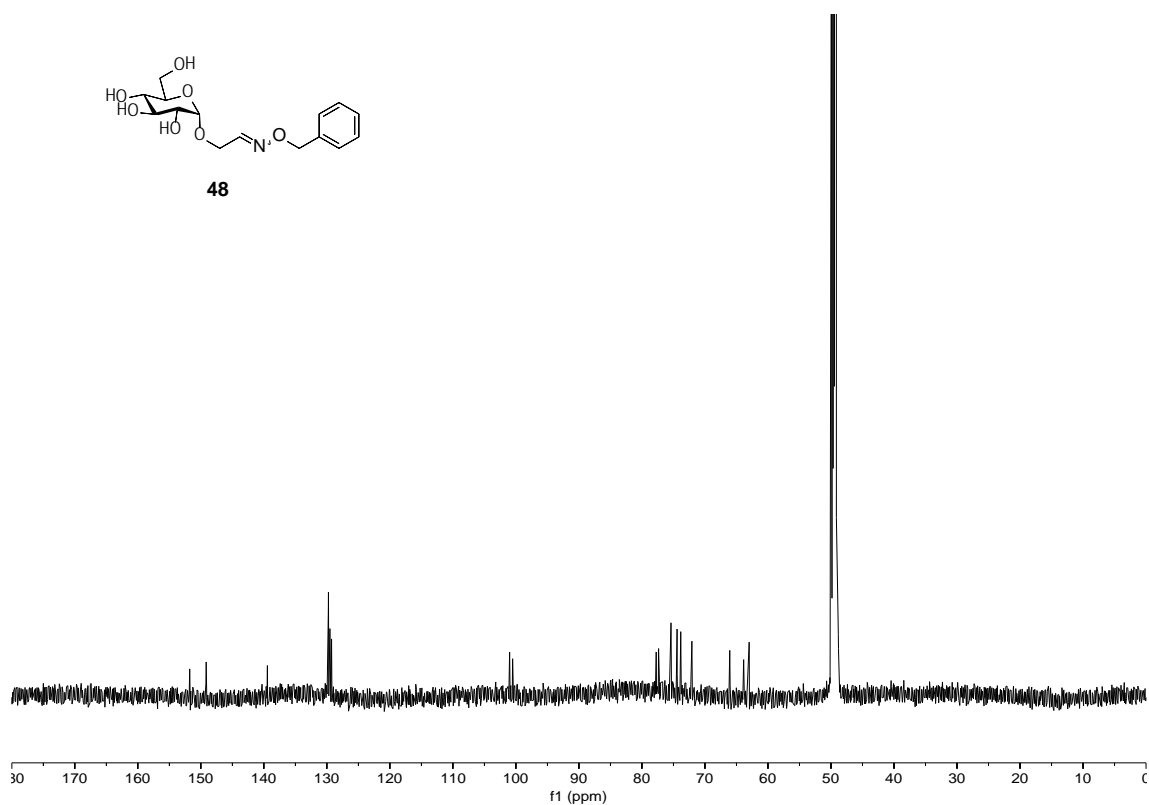
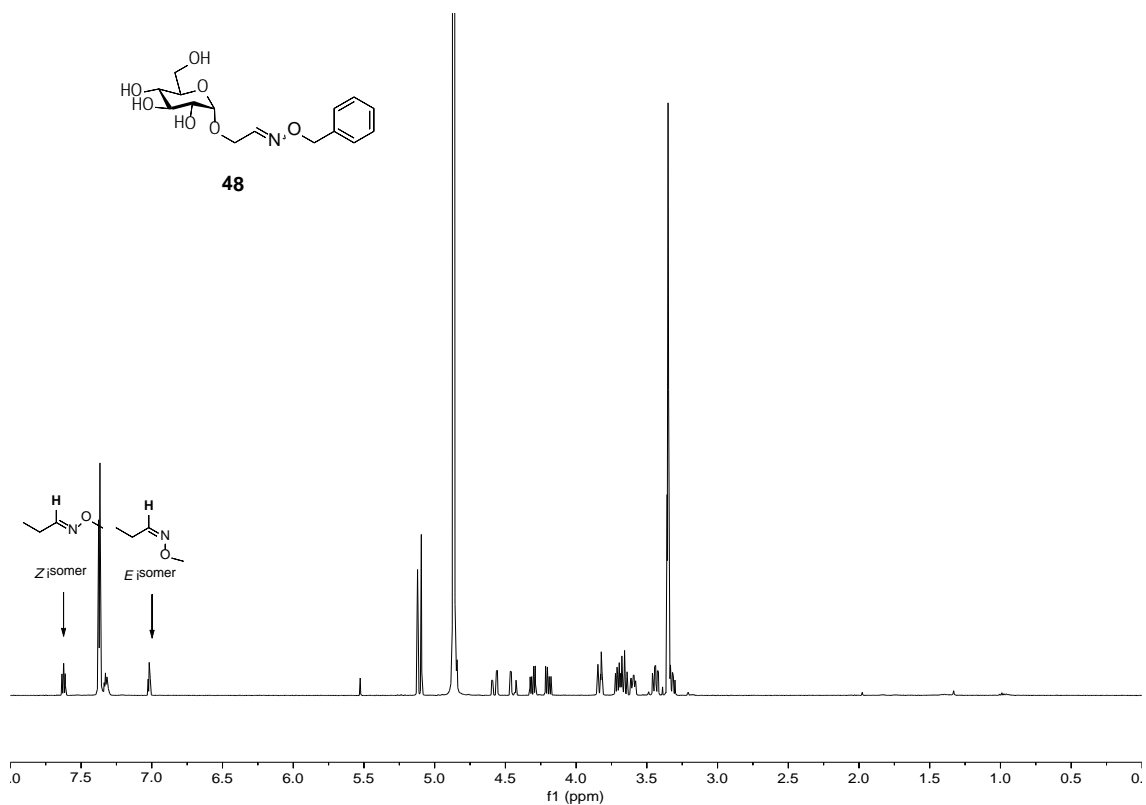


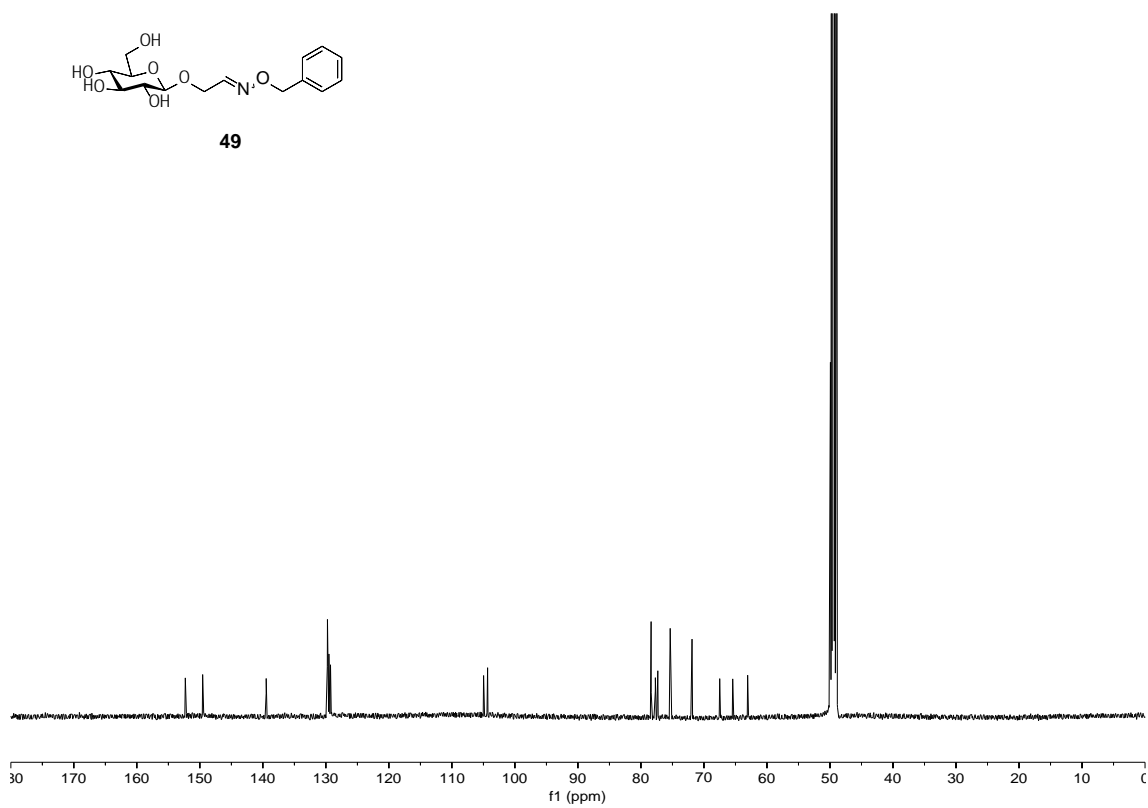
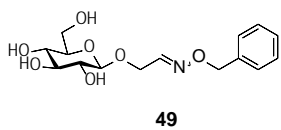
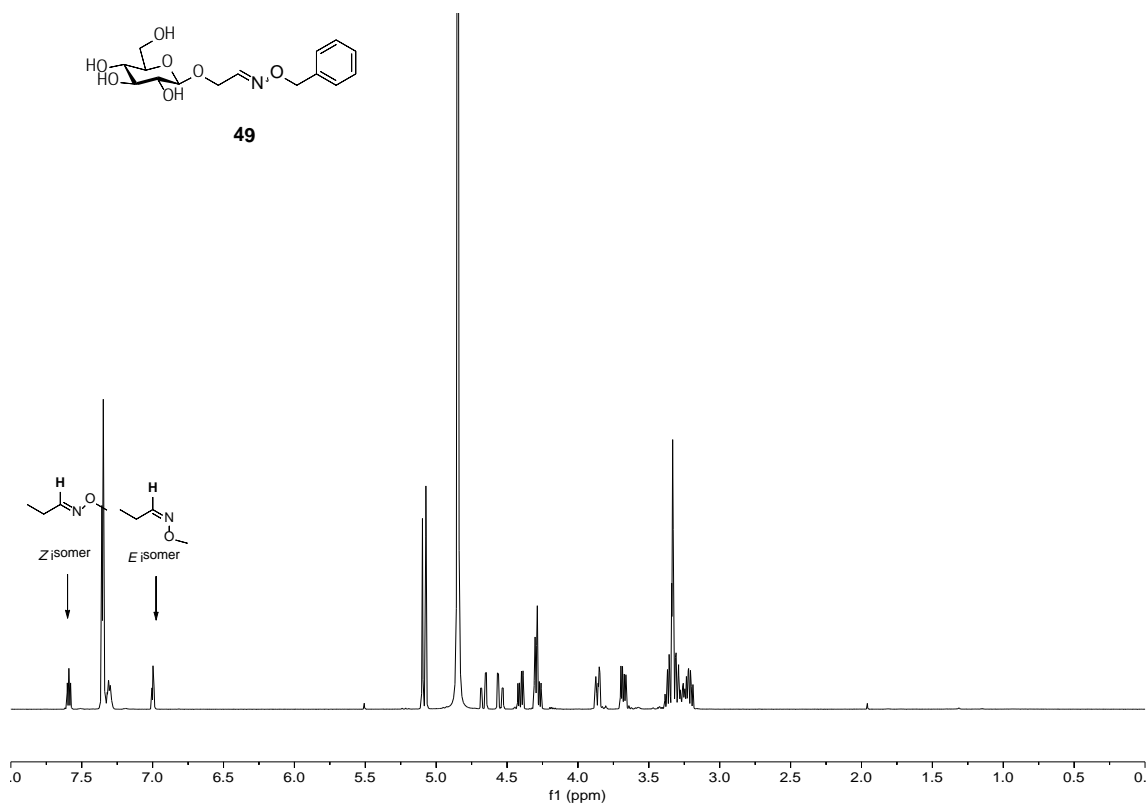
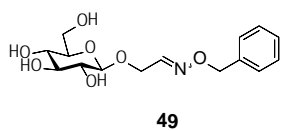
¹H-NMR (500 MHz, D₂O): compound **34**

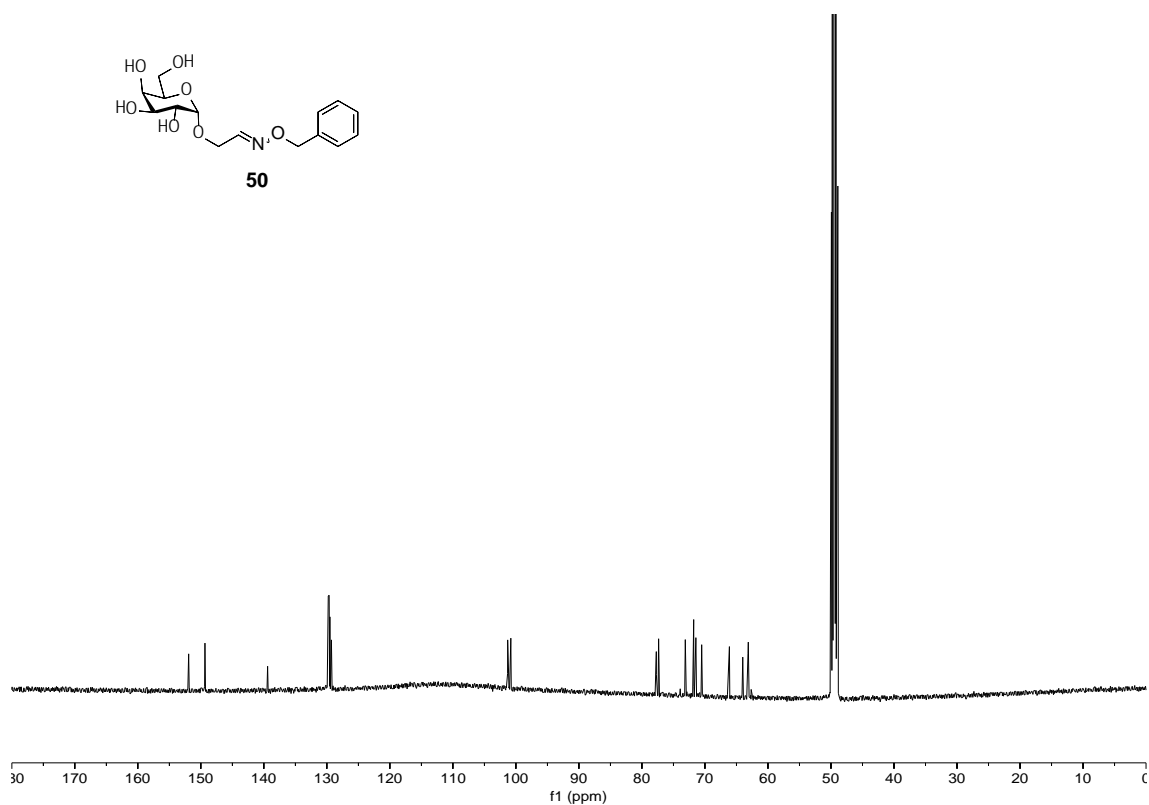
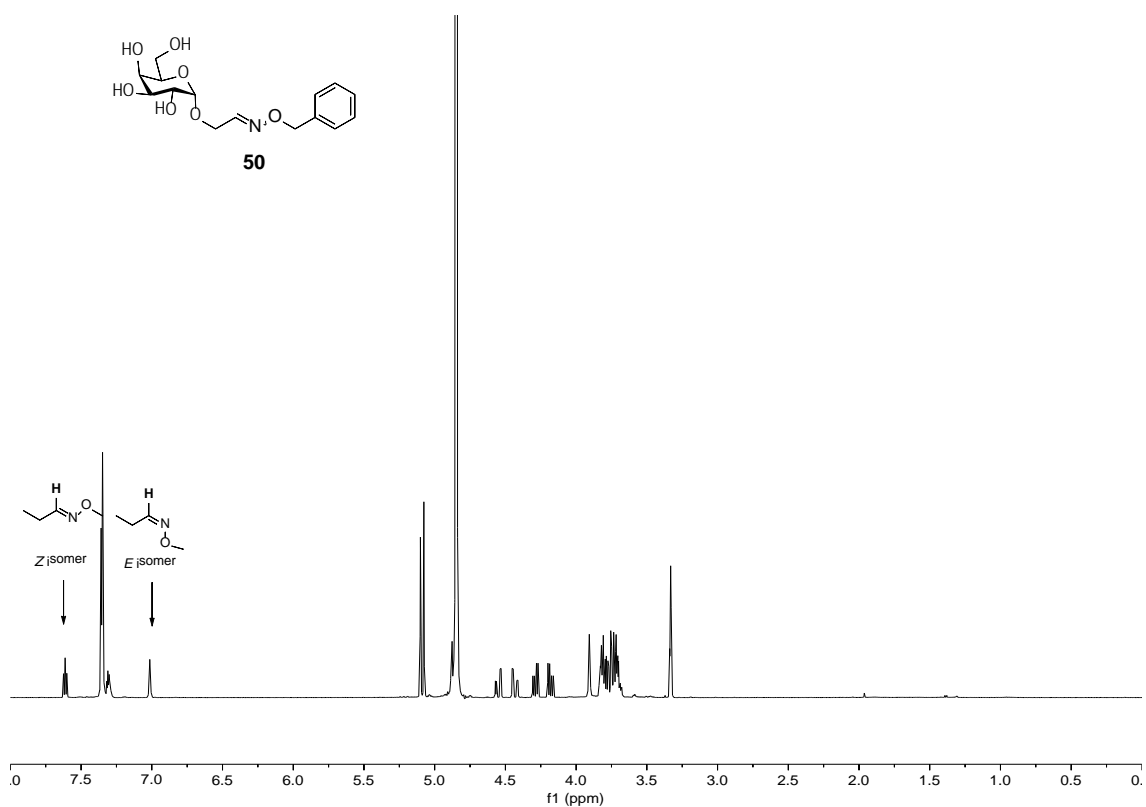


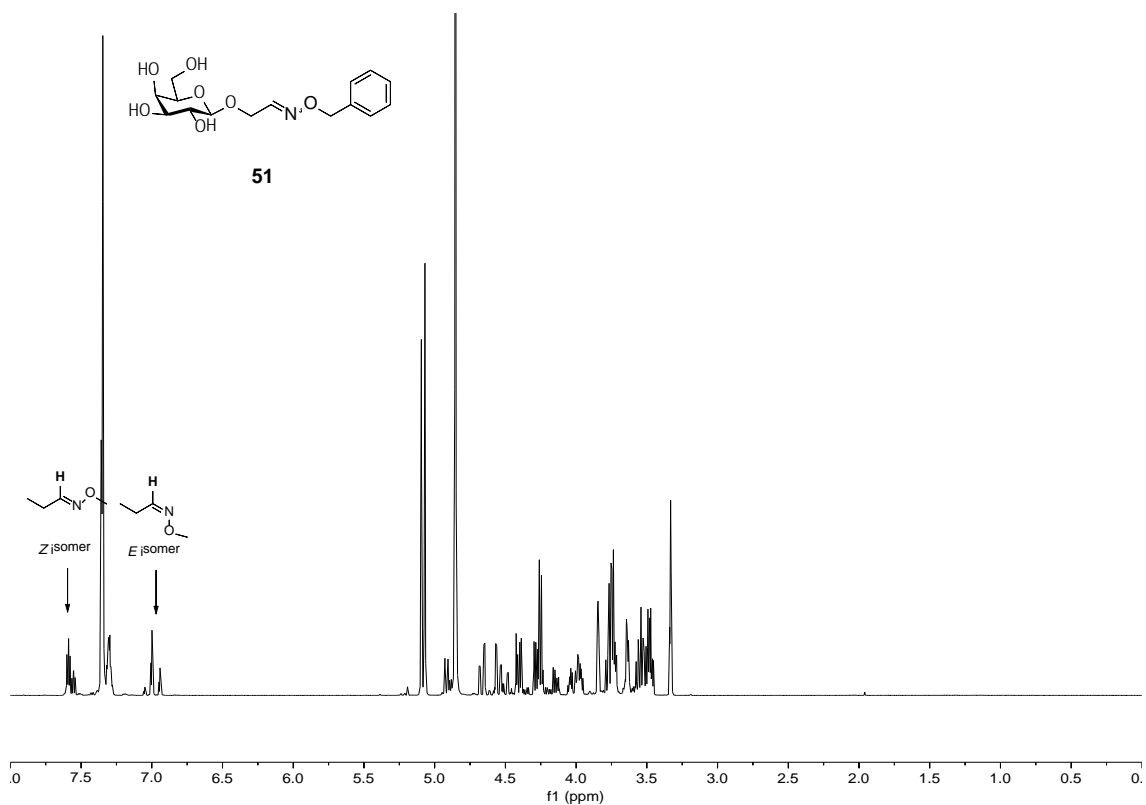
¹³C-NMR (125 MHz, D₂O): compound **34**



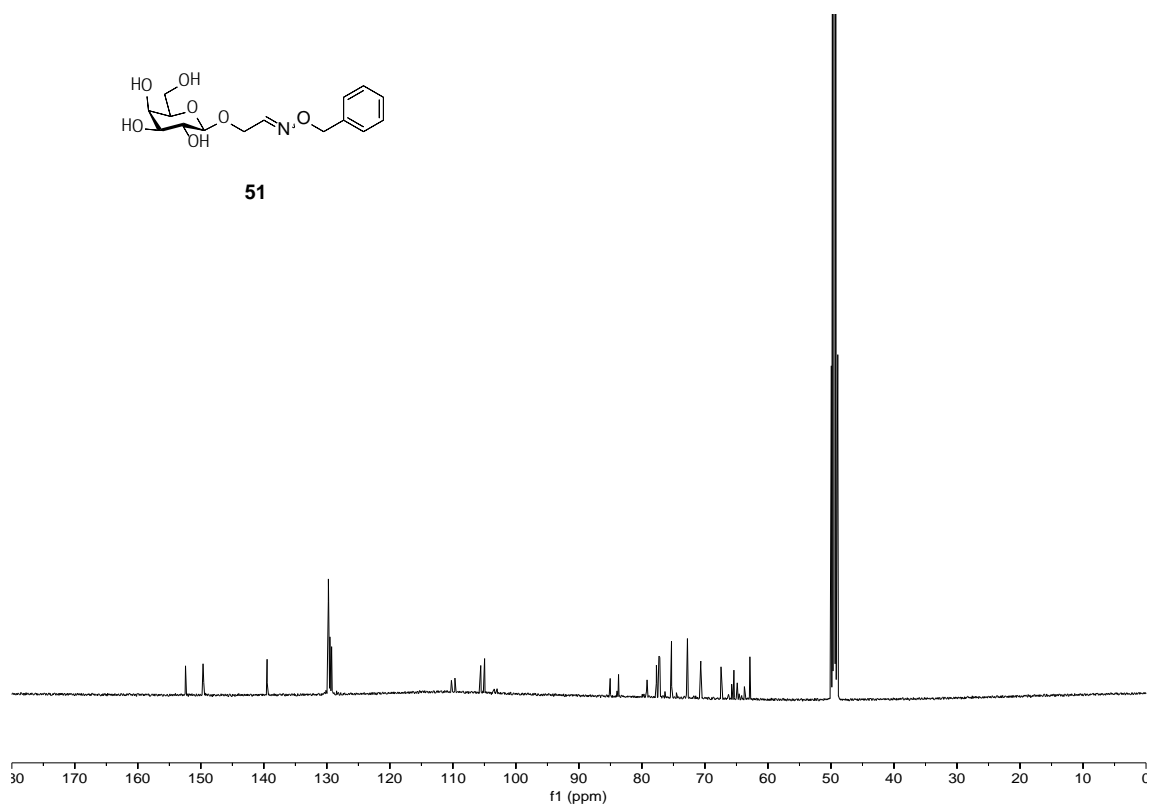




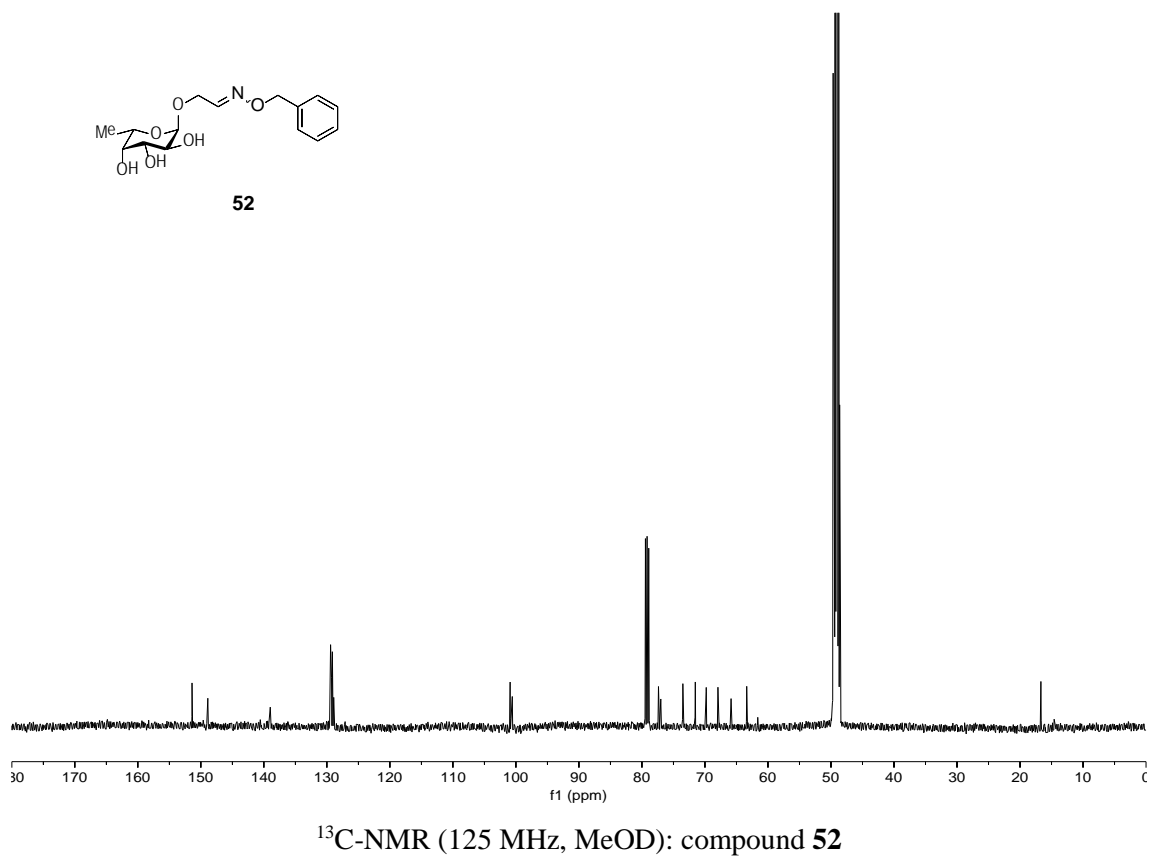
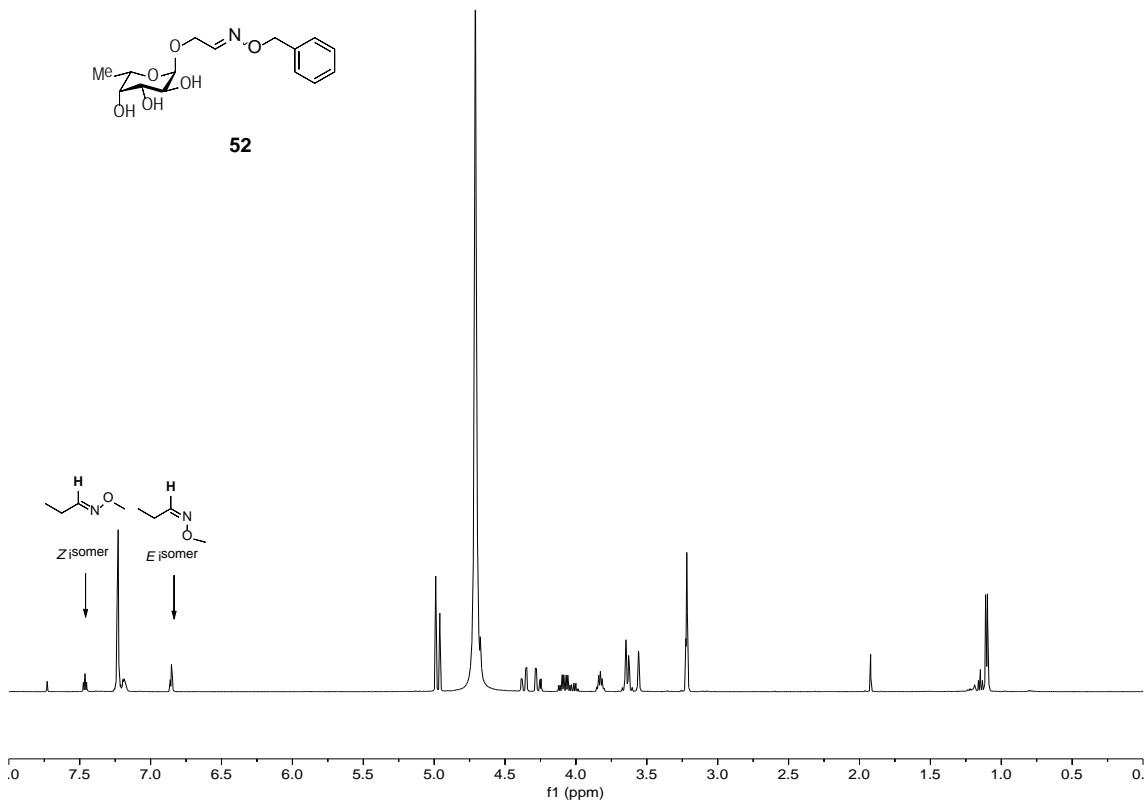


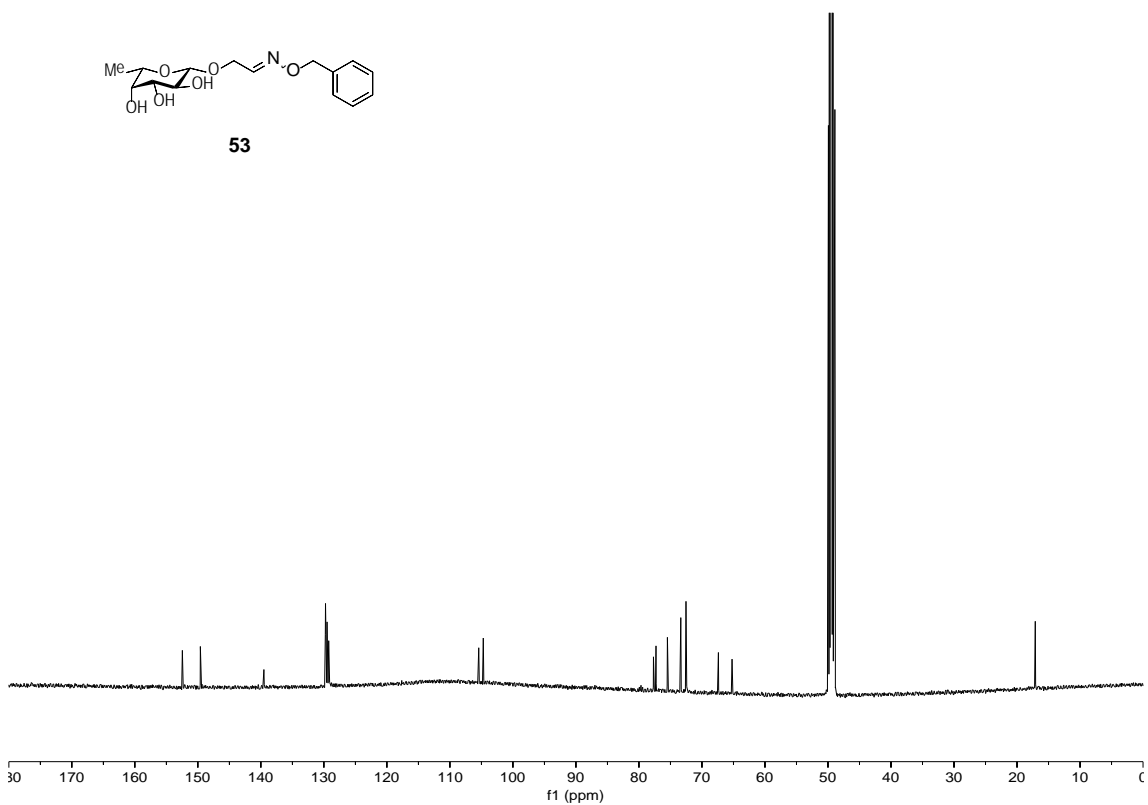
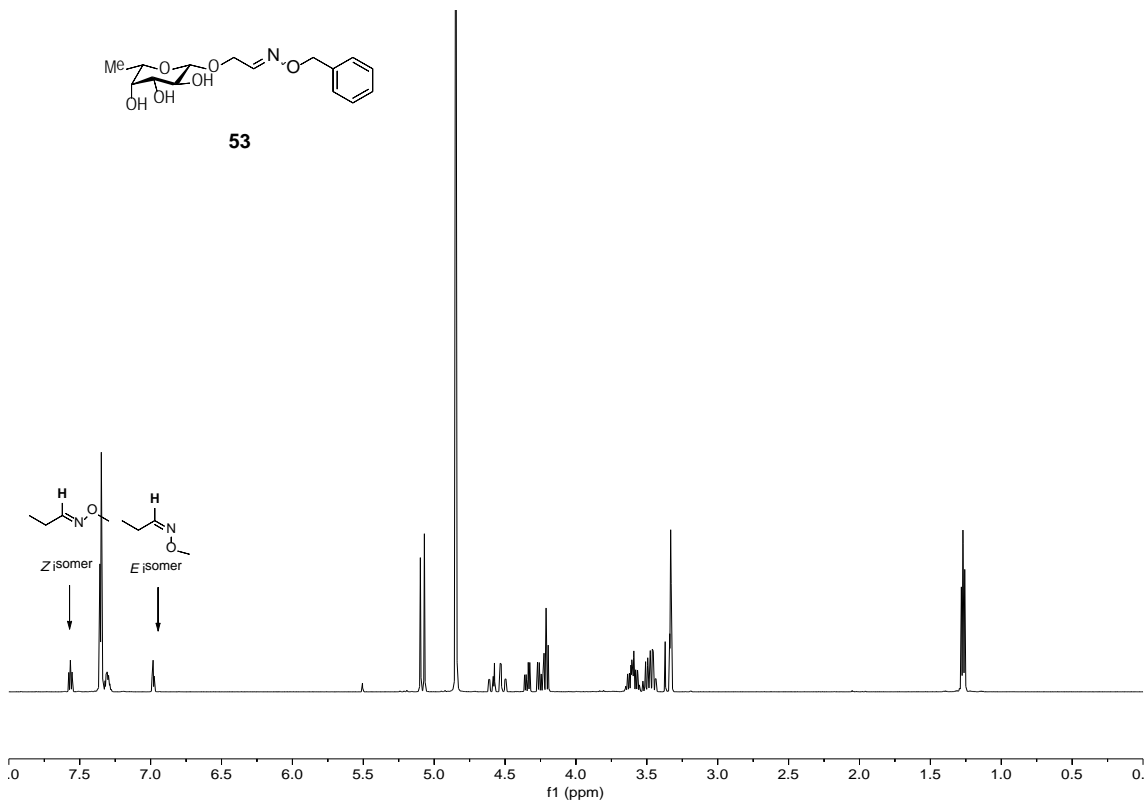


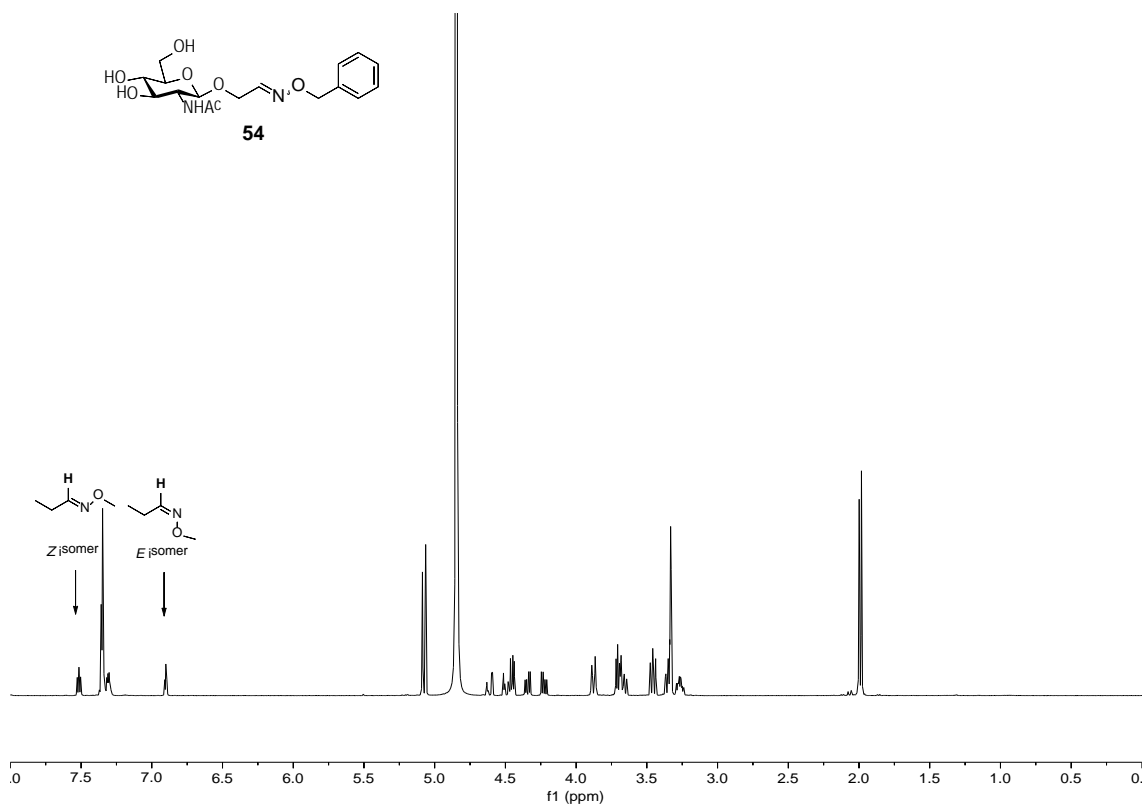
¹H-NMR (500 MHz, MeOD): compound **51**



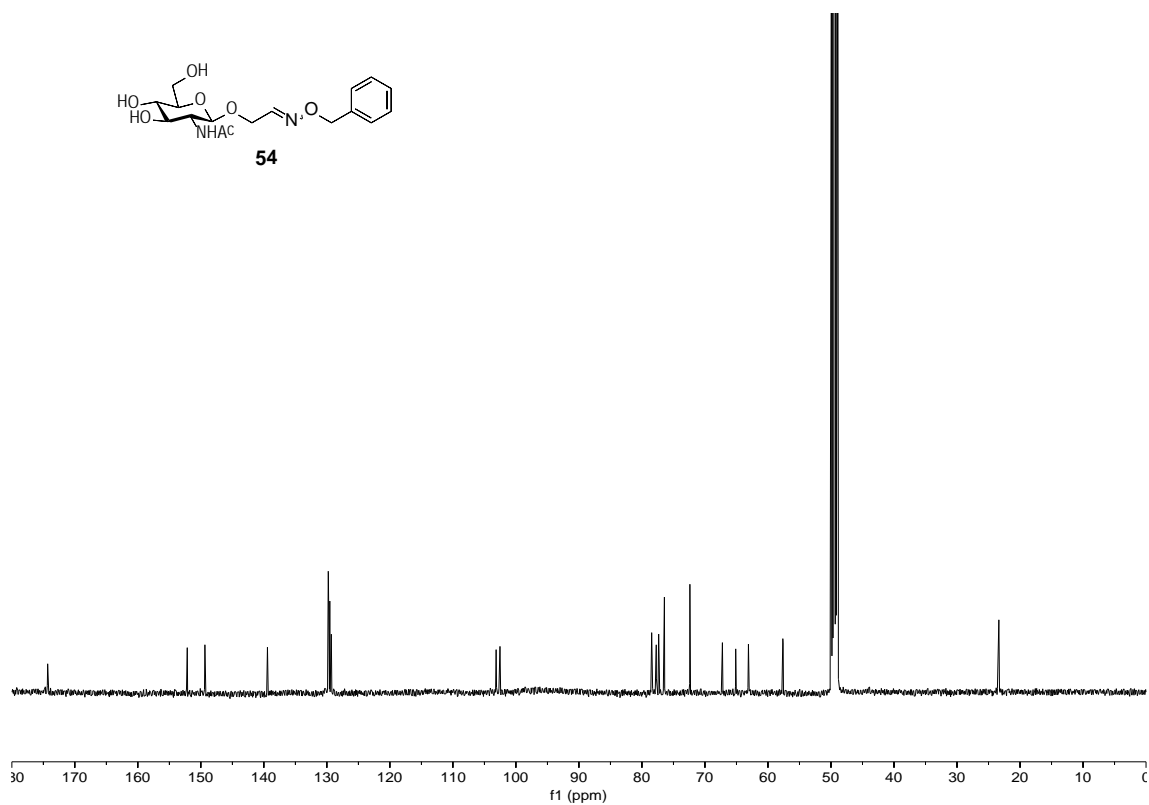
¹³C-NMR (125 MHz, MeOD): compound **51**



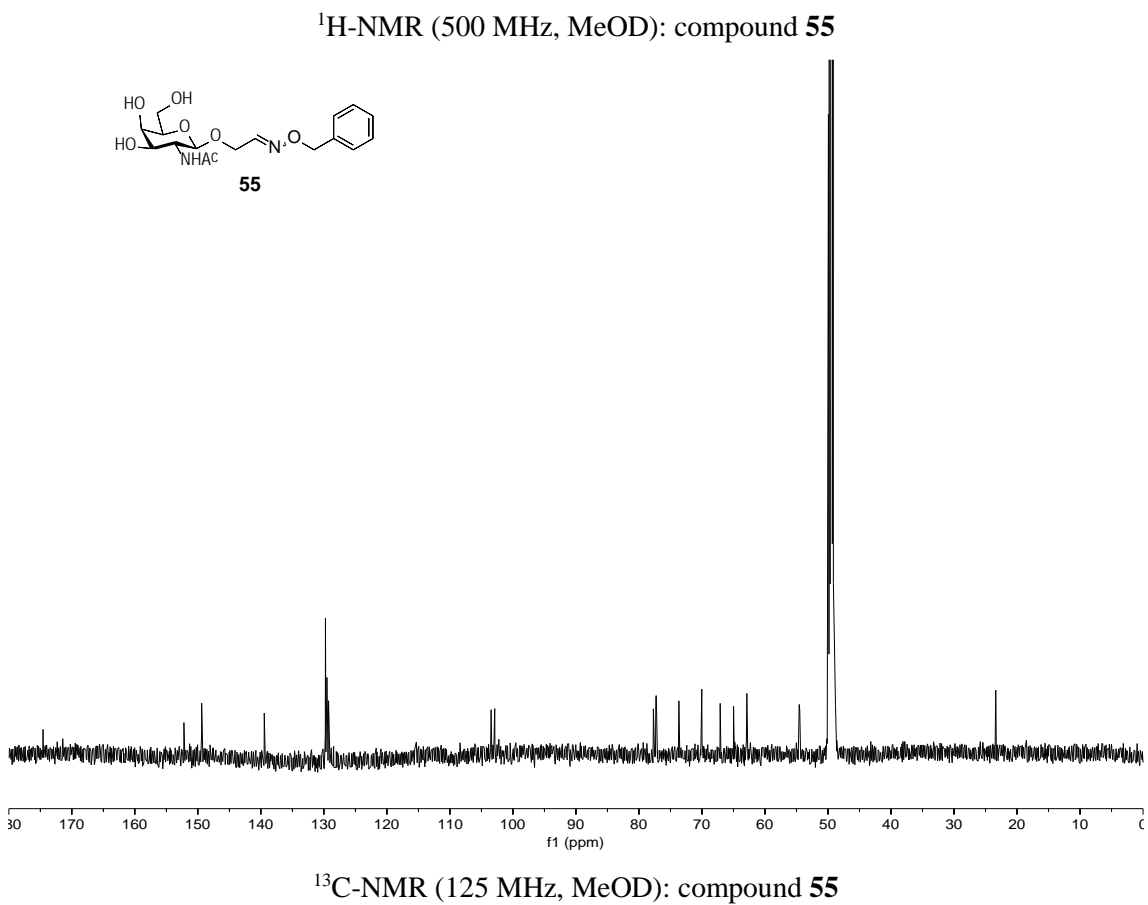
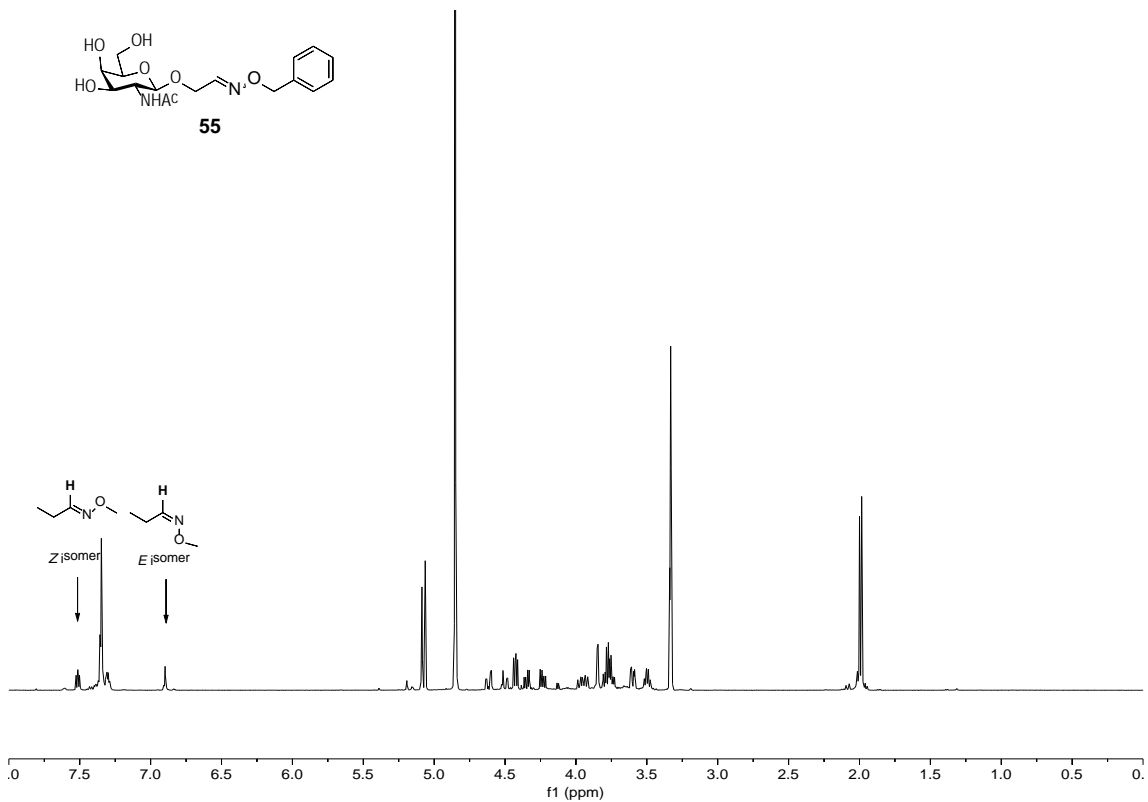


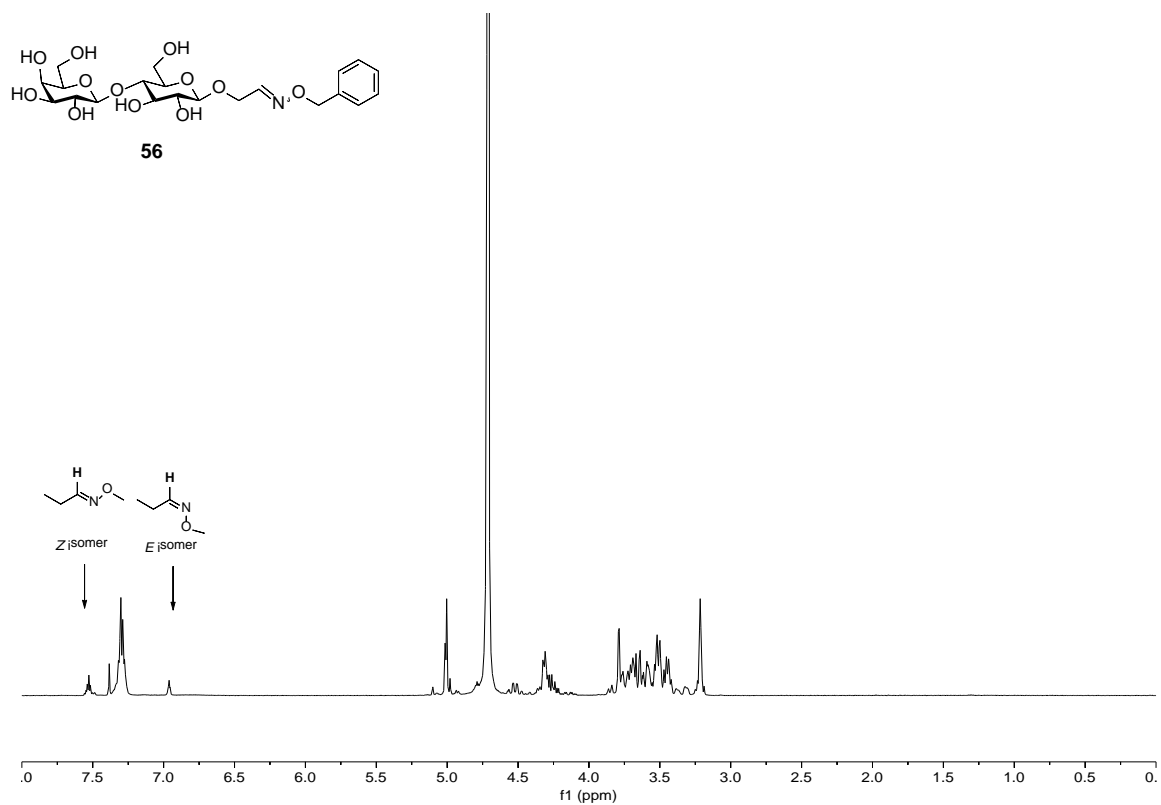


¹H-NMR (500 MHz, MeOD): compound **54**

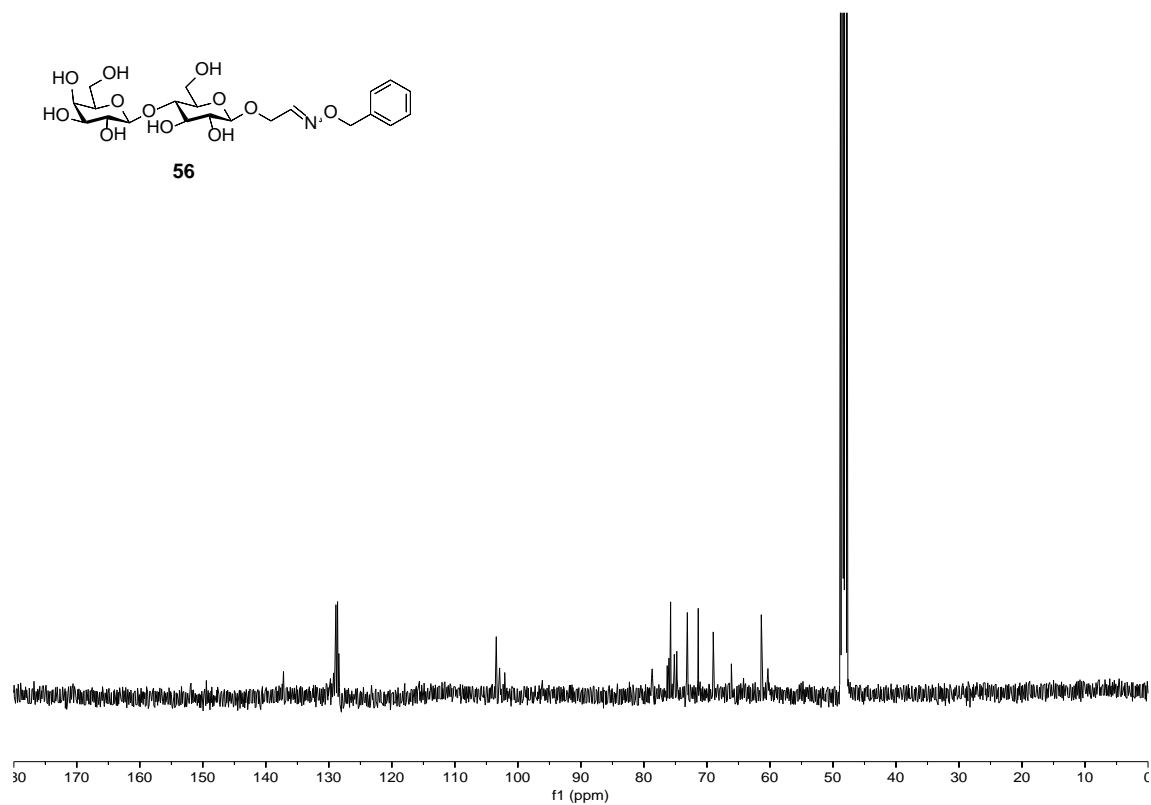


¹³C-NMR (125 MHz, MeOD): compound **54**

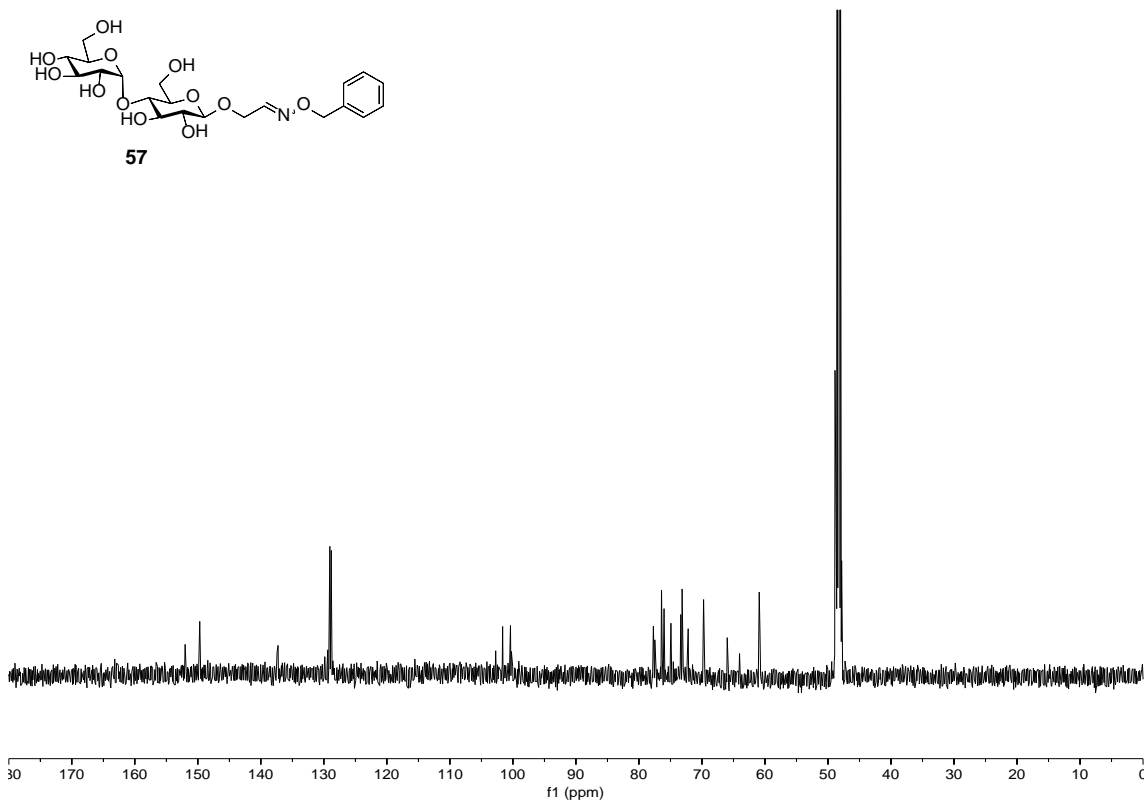
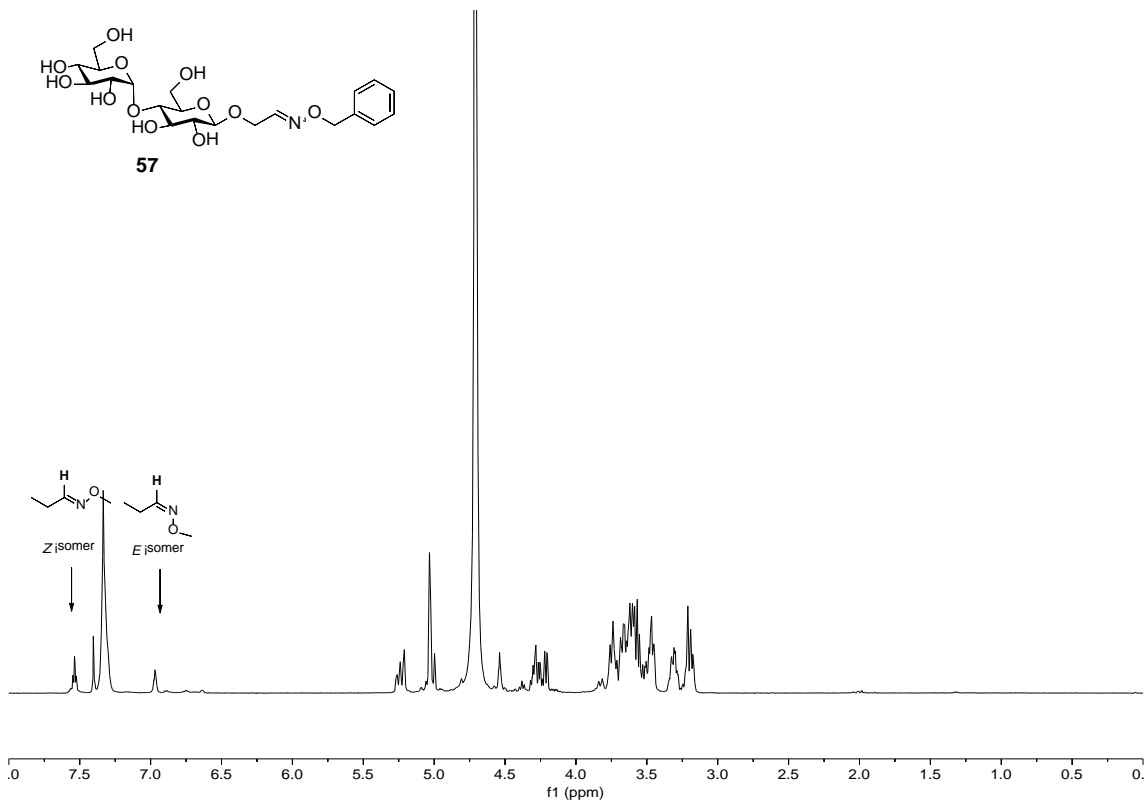


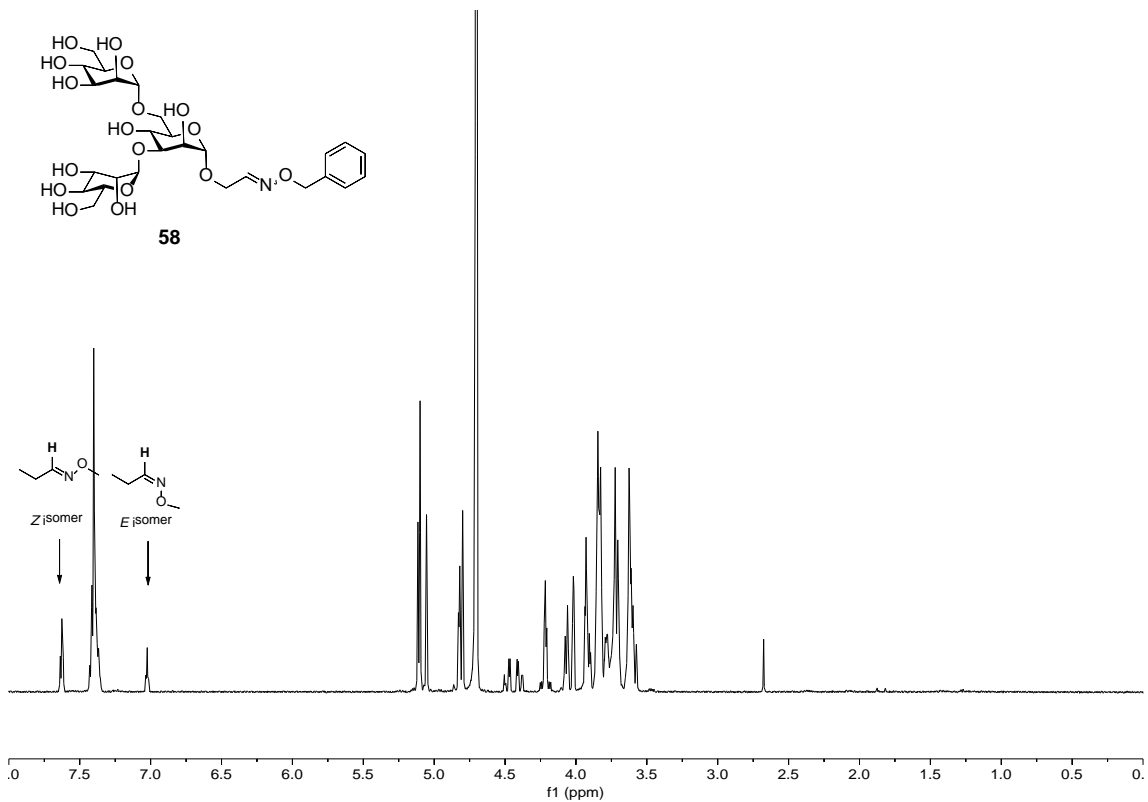


$^1\text{H-NMR}$ (500 MHz, $\text{D}_2\text{O-MeOD}$): compound **56**

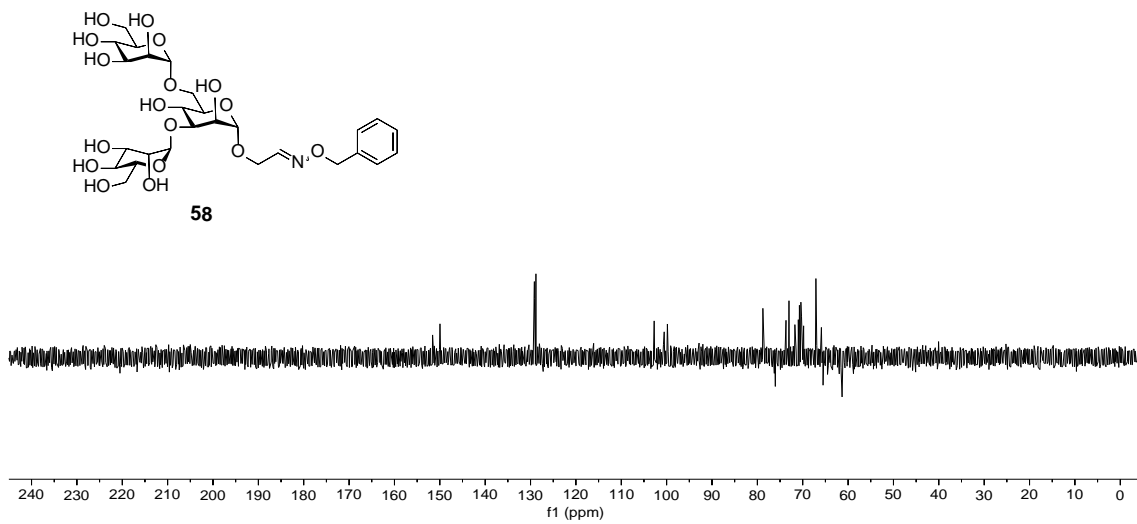


$^{13}\text{C-NMR}$ (125 MHz, $\text{D}_2\text{O-MeOD}$): compound **56**





$^1\text{H-NMR}$ (500 MHz, D_2O): compound **58**



$^{13}\text{C-NMR}$ (125 MHz, D_2O): compound **58**