

Supplementary Information

Synthesis & Evaluation of Novel Mannosylated Neoglycolipids for Liposomal Delivery System Applications

Leila Mousavifar ^{1,†}, Jordan D. Lewicky ^{2,†}, Alexis Taponard ¹, Rahul Bagul ¹, Madleen Rivat ¹, Shuay Abdullayev ¹, Alexandrine L. Martel ², Nya L. Fraleigh ², Arnaldo Nakamura ³, Frédéric J. Veyrier ³, Hoang-Thanh Le ^{2,4,*} and René Roy ^{1,*}

¹ Glycosciences and Nanomaterial Laboratory, Université du Québec à Montréal, P.O. Box 8888, Succ. Centre-Ville, Montréal, QC H3C 3P8, Canada

² Health Sciences North Research Institute, 56 Walford Road, Sudbury, ON P3E 2H2, Canada

³ Armand-Frappier Santé Biotechnologie Research Centre, Institut National de la Recherche Scientifique, 531 Boulevard des Prairies, Laval, QC H7V 1B7, Canada

⁴ Medicinal Sciences Division, NOSM University, 935 Ramsey Lake Road, Sudbury, ON P3E 2C6, Canada

* Correspondence: hle@hsnsudbury.ca or hle@hsnri.ca (H.-T.L.); roy.rene@uqam.ca (R.R.)

† These authors contributed equally to this work.

NMR Spectra:

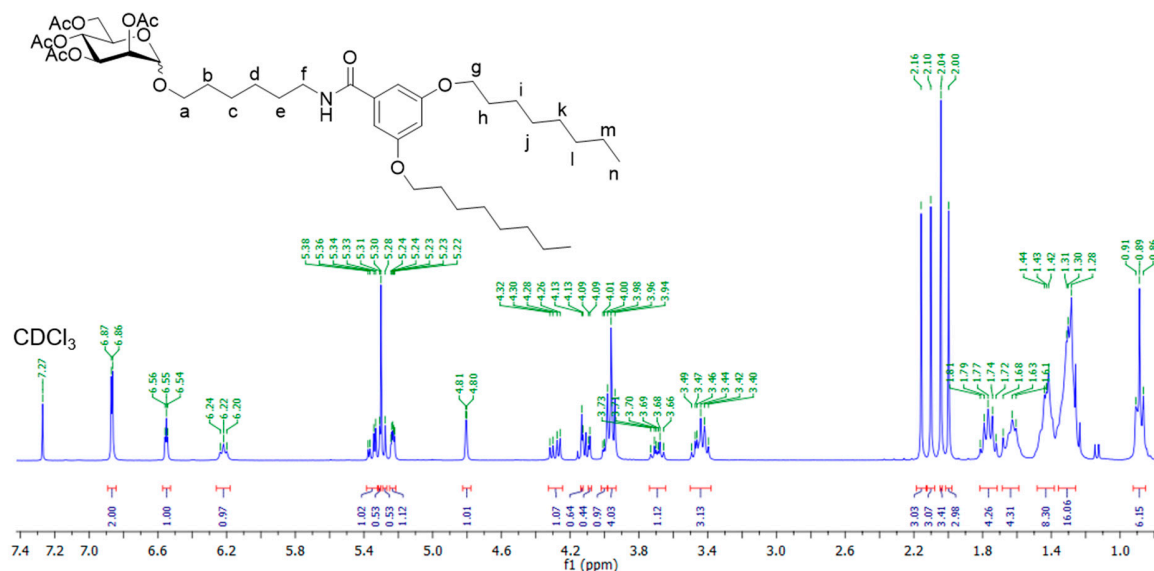


Figure S1. ¹H-NMR (300 MHz, CDCl₃) of compound 16.

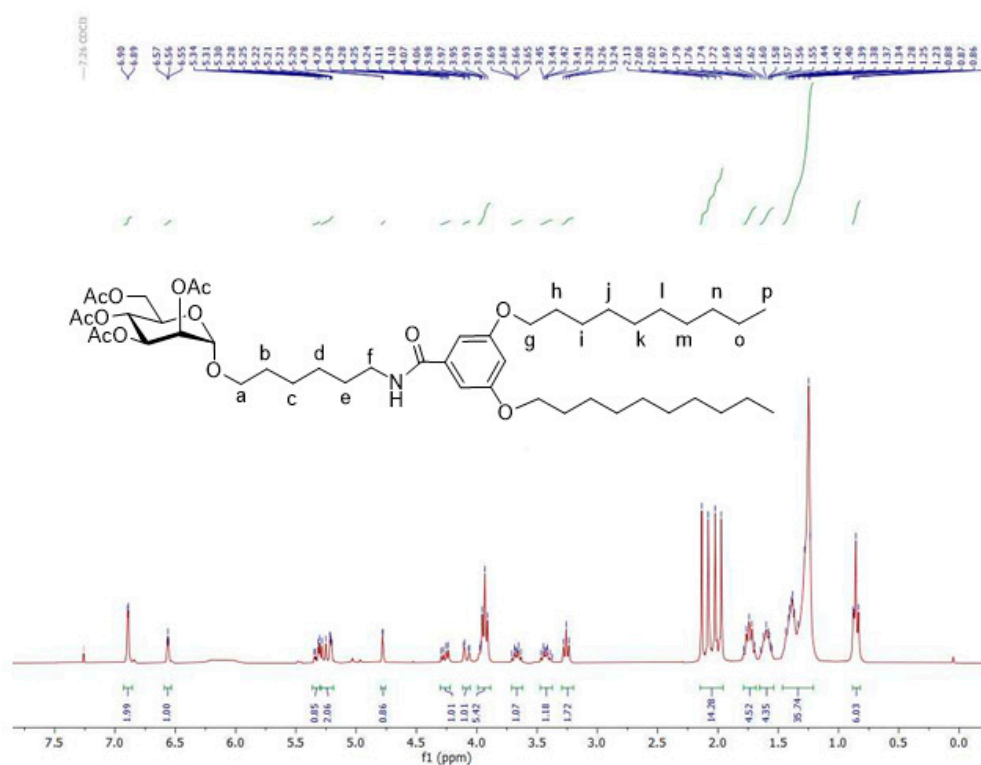


Figure S2. ¹H-NMR (300 MHz, CDCl₃) of compound 17.

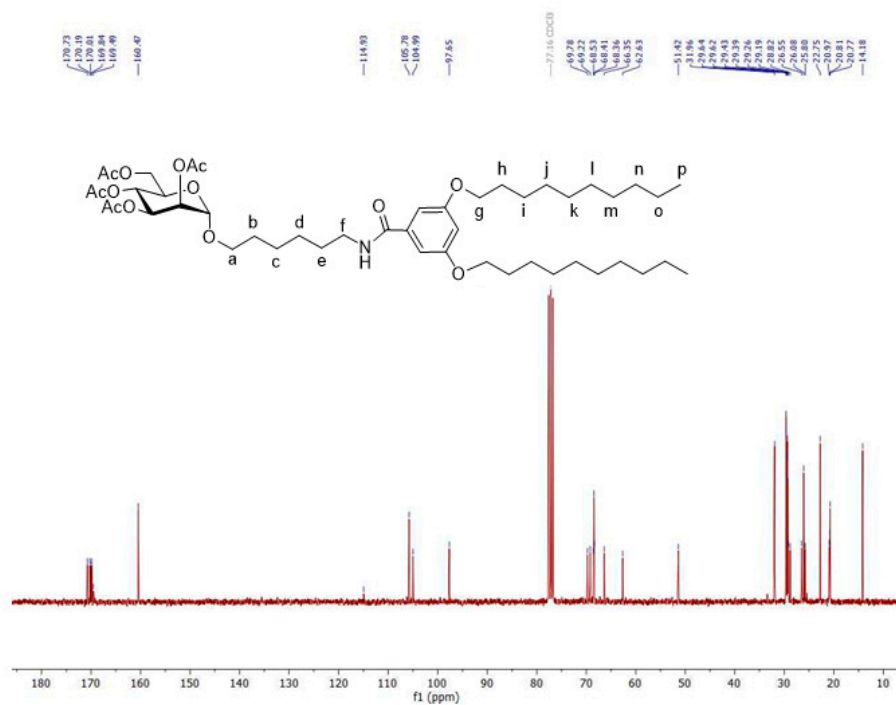


Figure S3. ¹³C-NMR (75 MHz, CDCl₃) of compound 17.

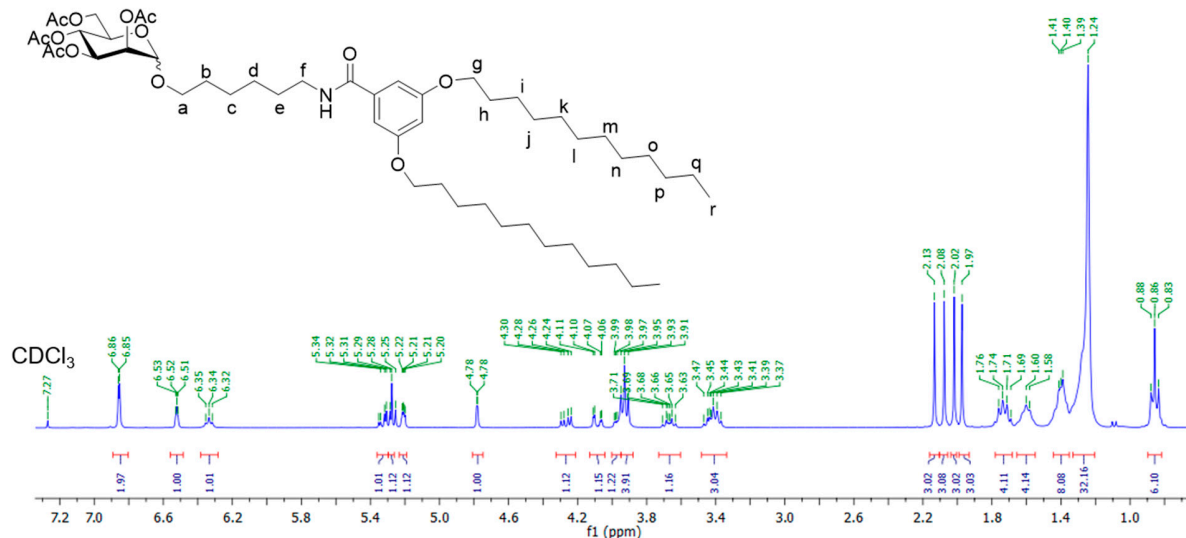


Figure S4. ¹H-NMR (300 MHz, CDCl₃) of compound 18.

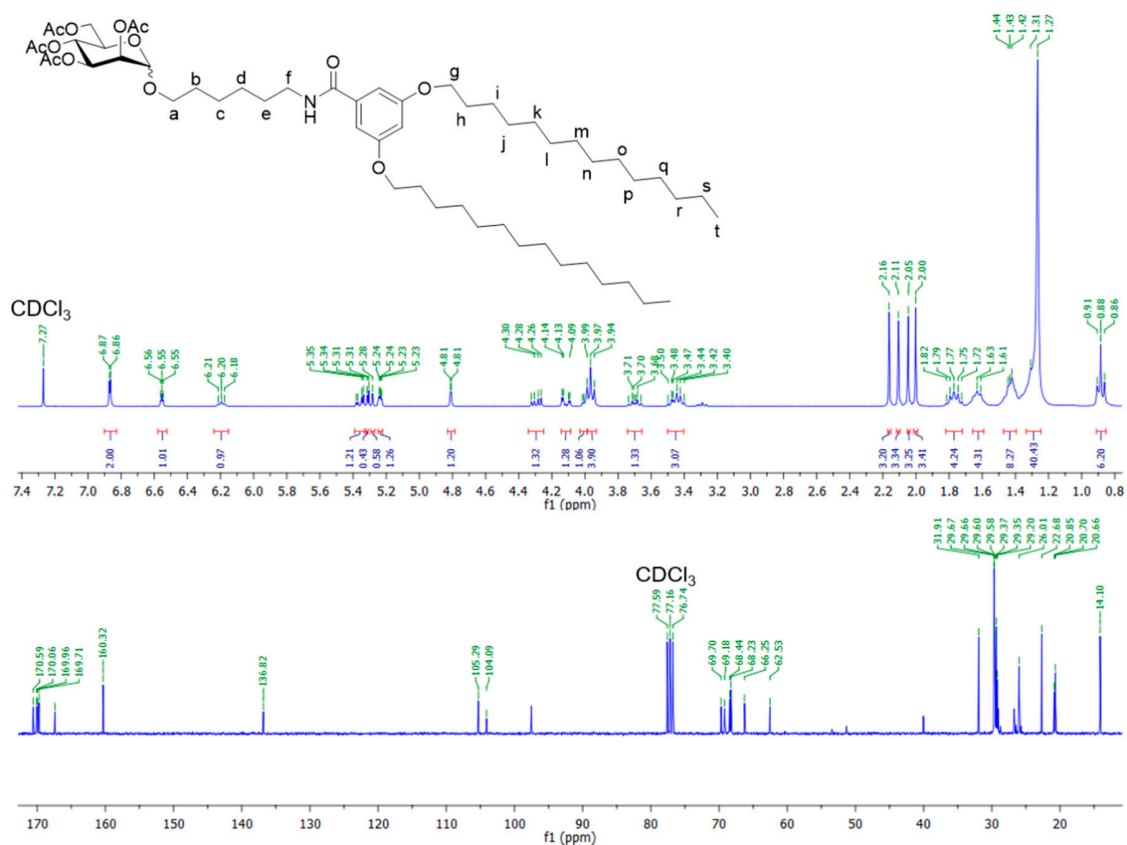


Figure S5. ¹H-NMR and ¹³C-NMR (300 and 75 MHz, CDCl₃) of compound 19.

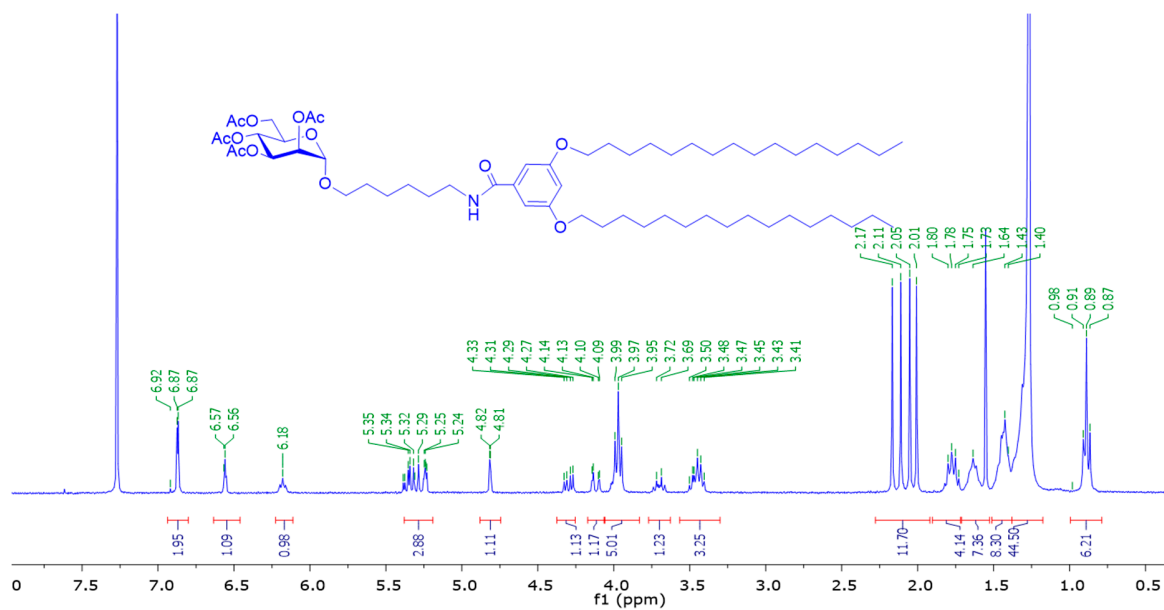


Figure S6. ¹H-NMR (300 MHz, CDCl₃) of compound **20**.

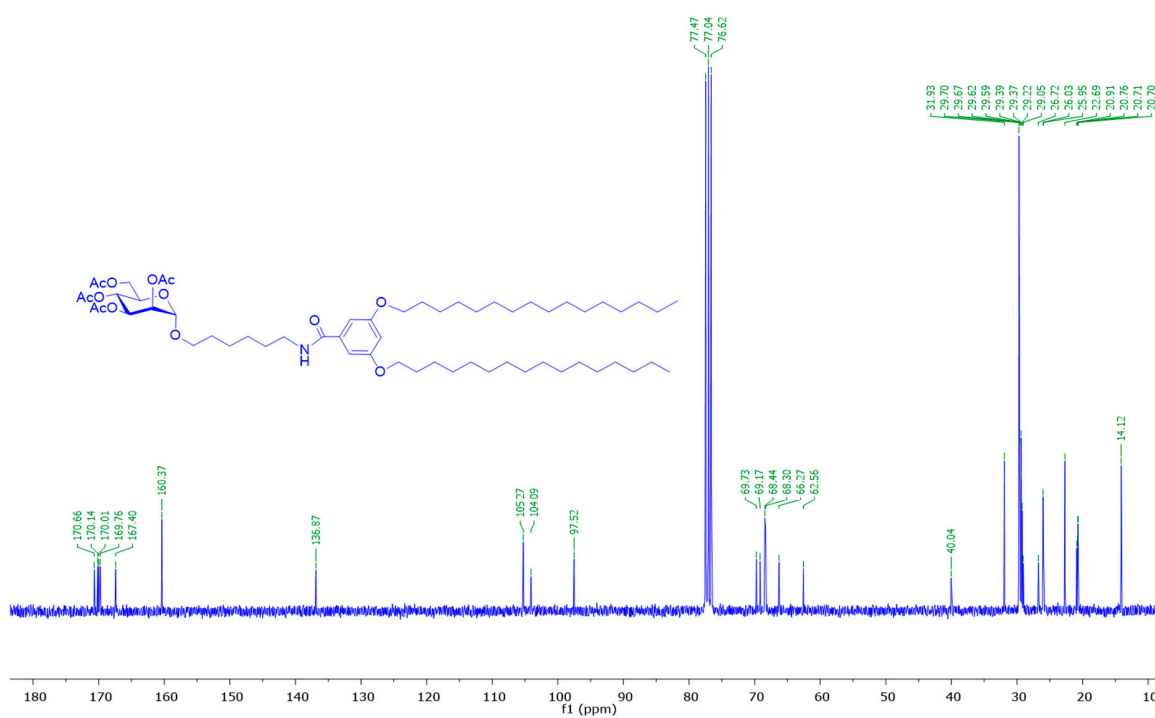


Figure S7. ¹³C-NMR (75 MHz, CDCl₃) of compound **20**.

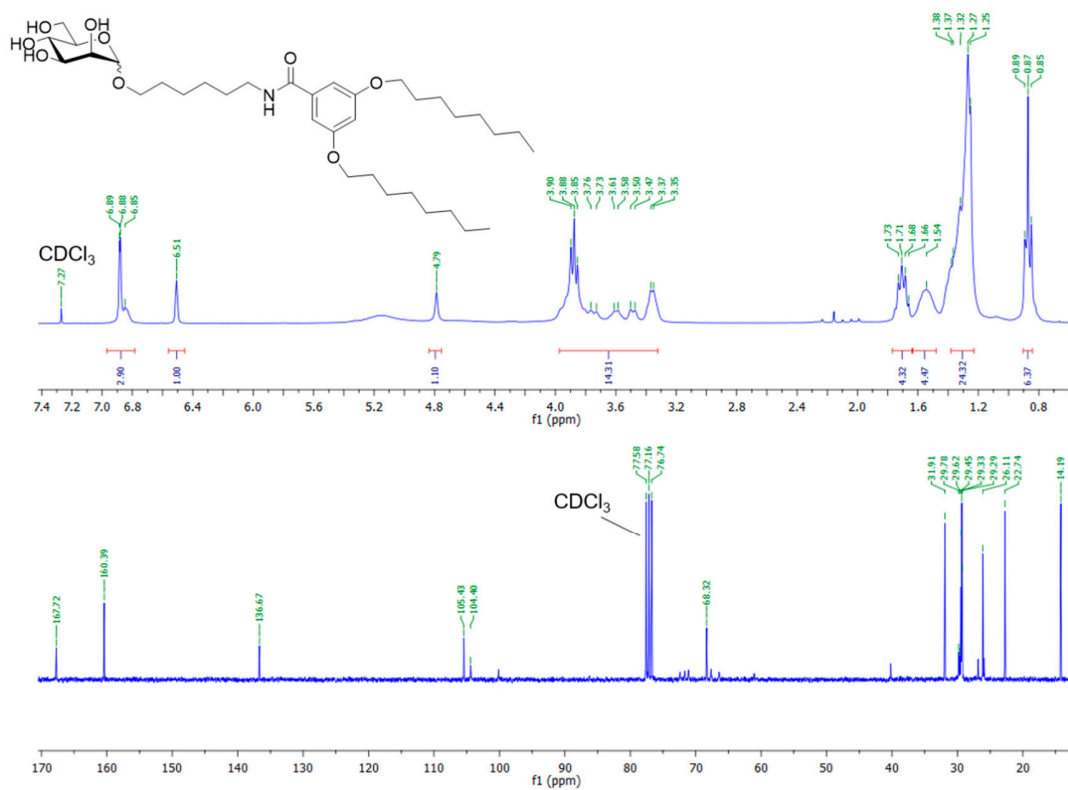


Figure S8. ¹H-NMR and ¹³C-NMR (300 and 75 MHz, CDCl₃) of compound **21**.

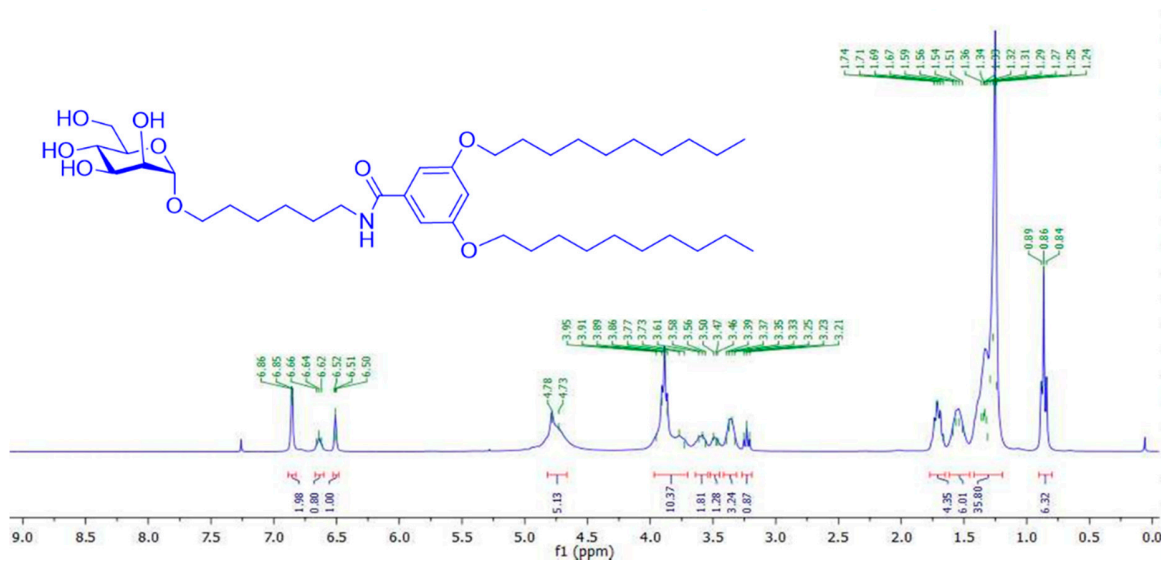


Figure S9. ¹H-NMR (300 MHz, CDCl₃) of compound **22**.

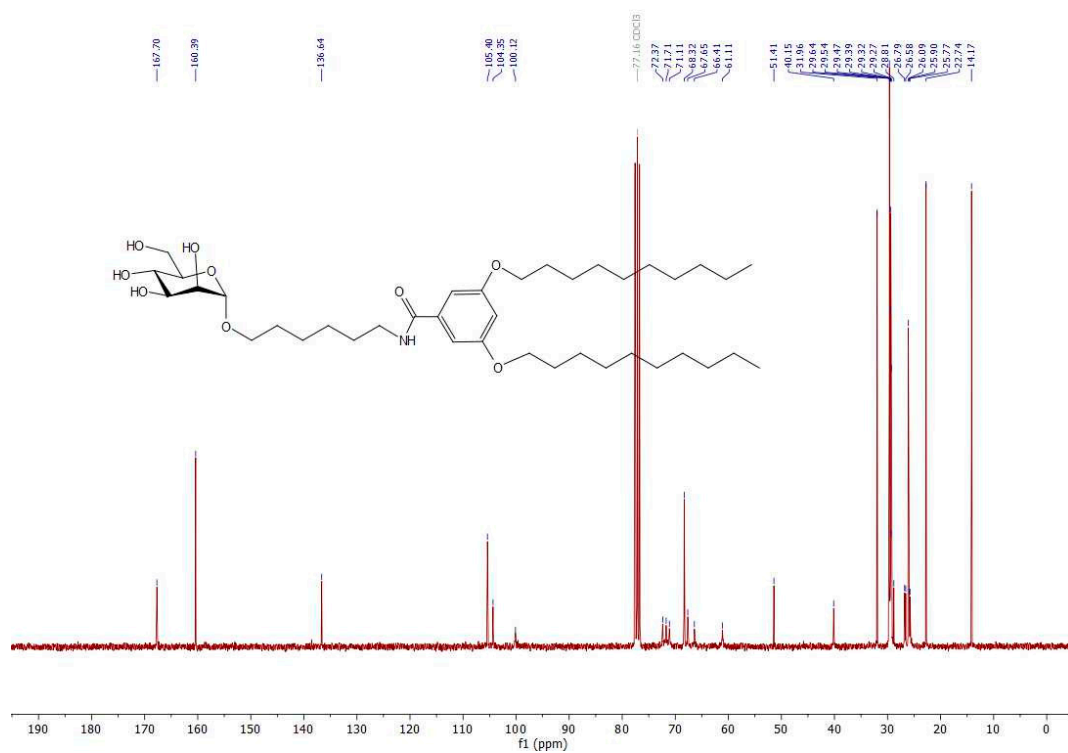


Figure S10. ¹³C-NMR (75 MHz, CDCl₃) of compound 22.

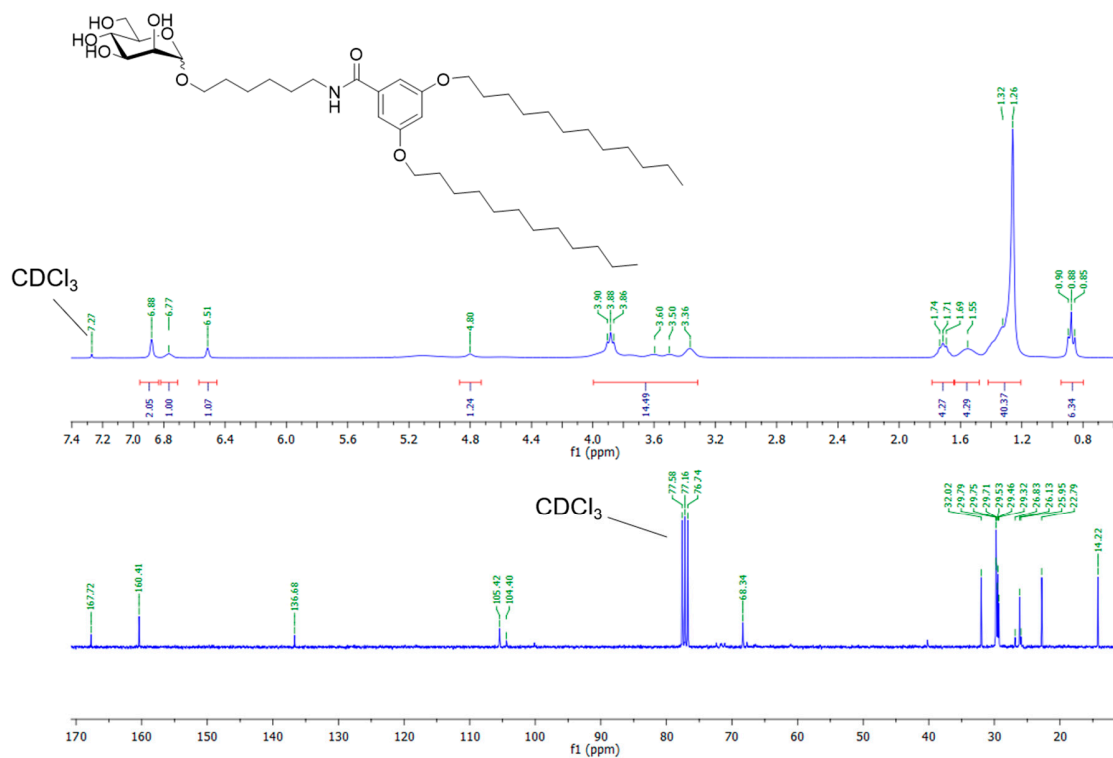


Figure S11. ¹H-NMR and ¹³C-NMR (75 MHz, CDCl₃) of compound 23.

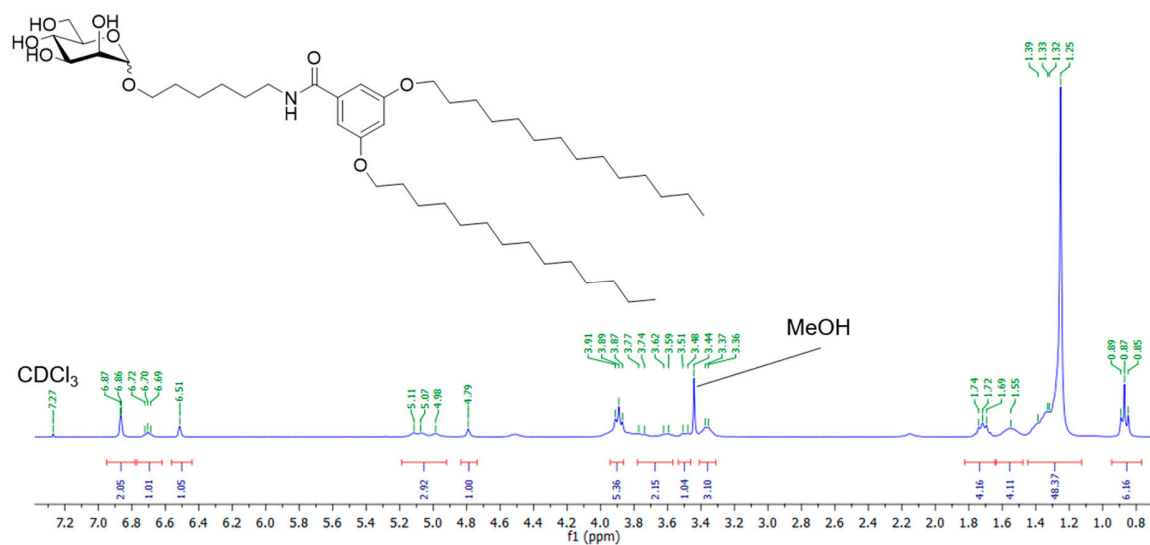


Figure S12. ¹H-NMR (300 MHz, CDCl₃) of compound 24.

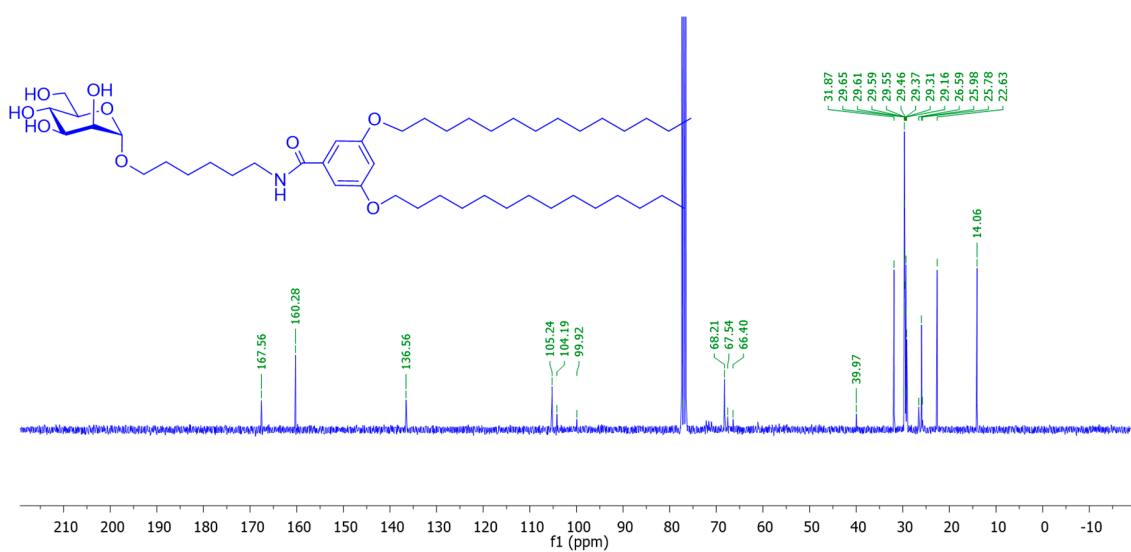


Figure S13. ¹³C-NMR (300 MHz, CDCl₃) of compound 24.

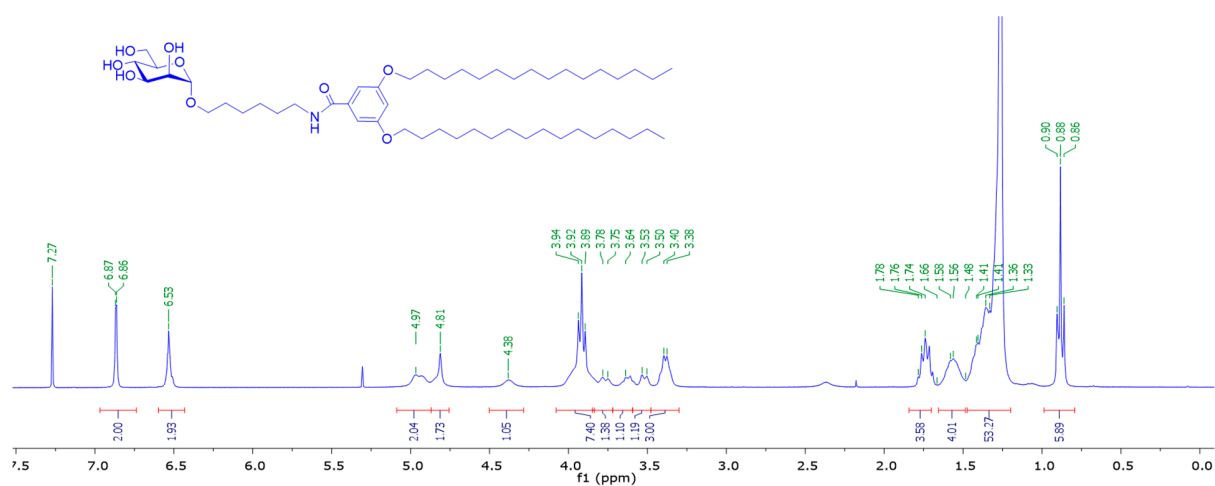


Figure S14. ¹H-NMR (300 MHz, CDCl₃) of compound **25**.

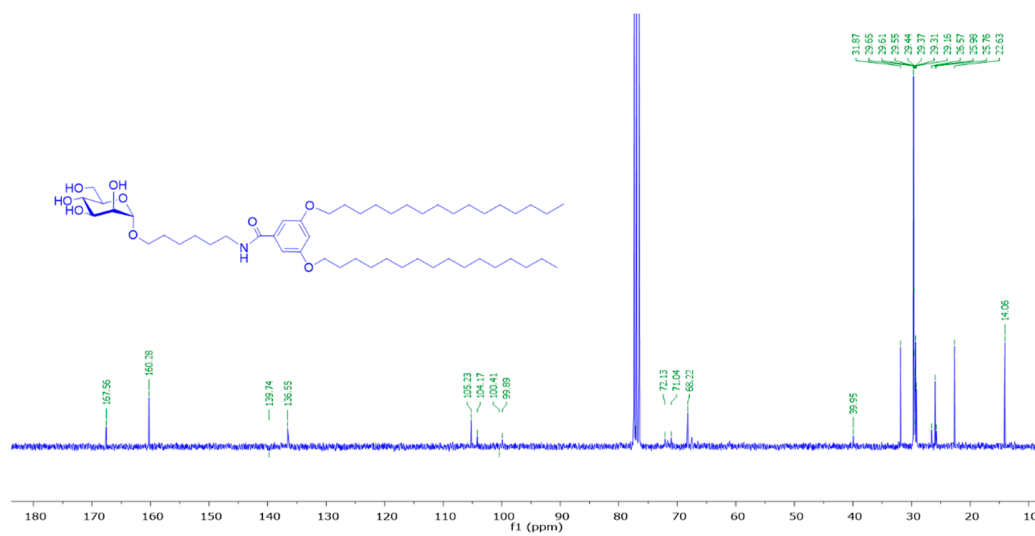


Figure S15. ¹³C-NMR (75 MHz, CDCl₃) of compound **25**.