

Amphiphilic Low-Molecular-Weight Gelators Bearing β -S-N-Acetylglucosamine Linked to a Tartaric Acid Scaffold: Synthesis, Self-Assembly and Wheat Germ Agglutinin Binding

Vicente Leafar Peña García^{1,2,3}, Pablo Héctor Di Chenna^{1,3,*} and Maria Laura Uhrig^{1,2,*}

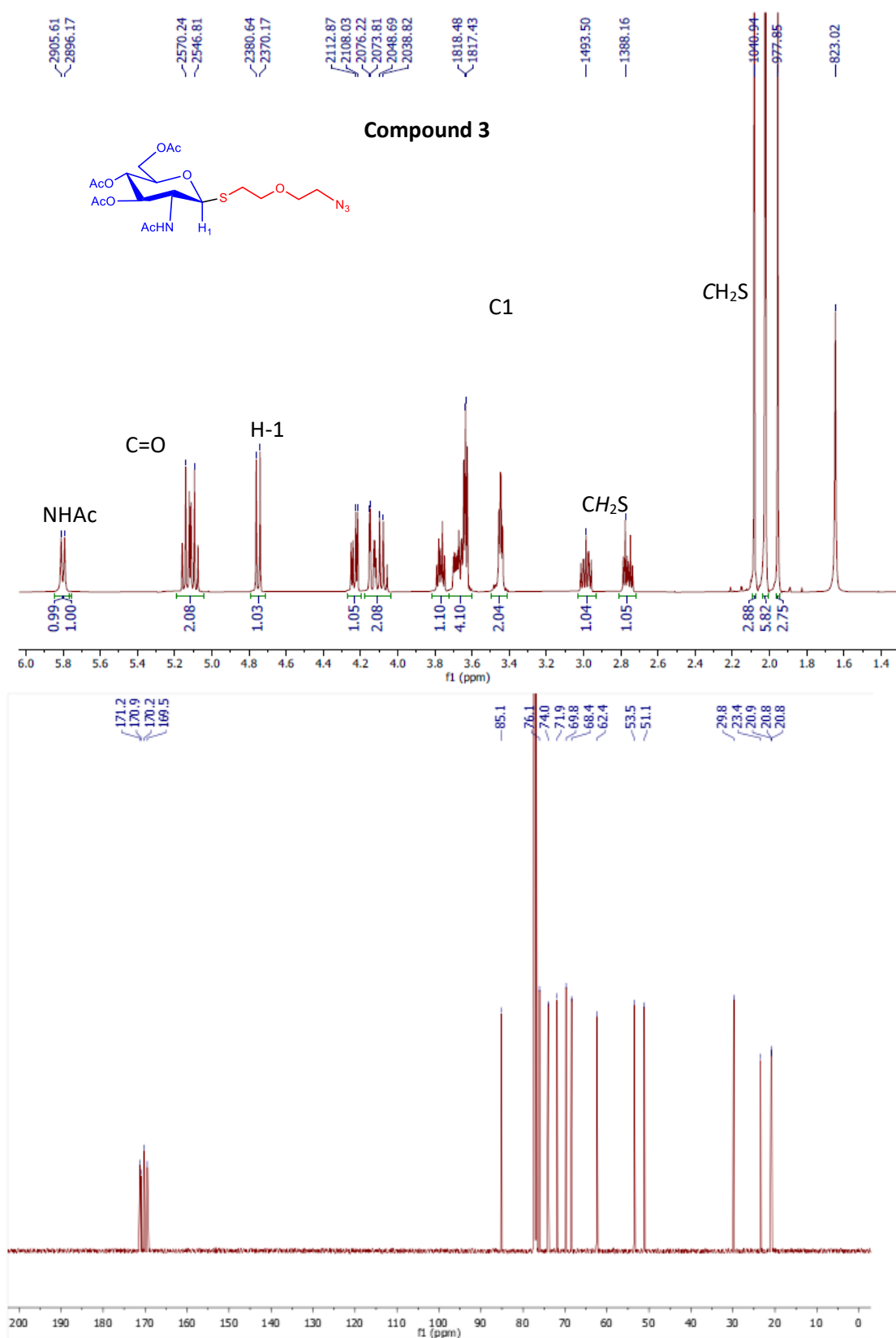
¹ Departamento de Química Orgánica, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Intendente Güiraldes 2160, 3er piso, Pabellón 2, Ciudad Universitaria, Buenos Aires C1428EGA, Argentina; vicentepena@qo.fcen.uba.ar

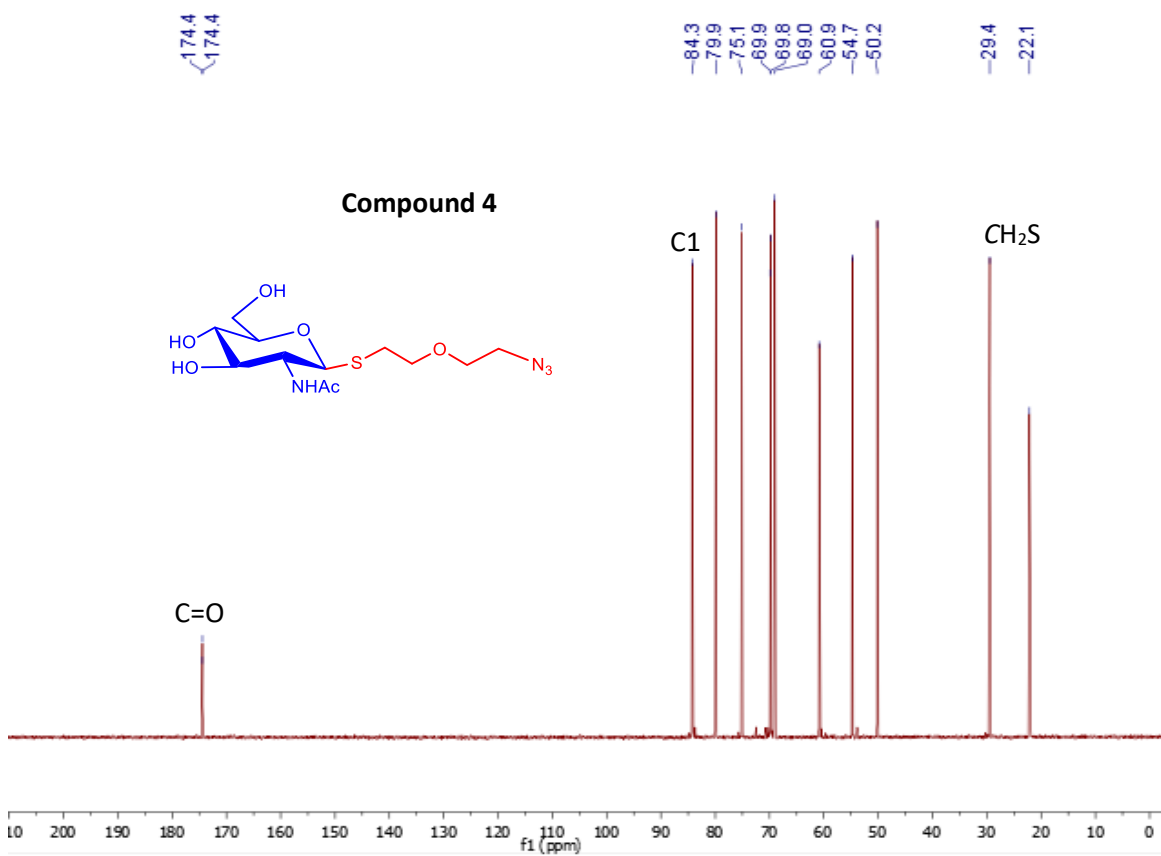
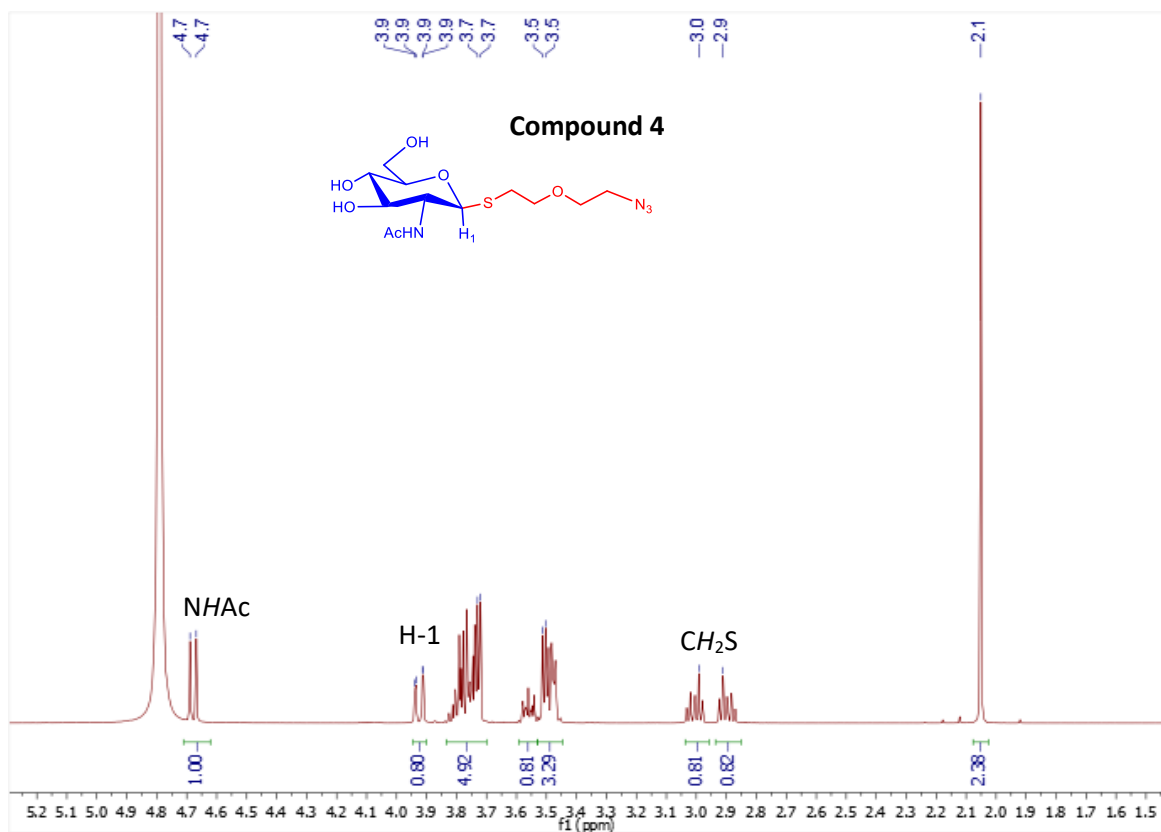
² Centro de Investigaciones en Hidratos de Carbono (CIHIDECAR), Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)–Universidad de Buenos Aires, Buenos Aires C1428EGA, Argentina

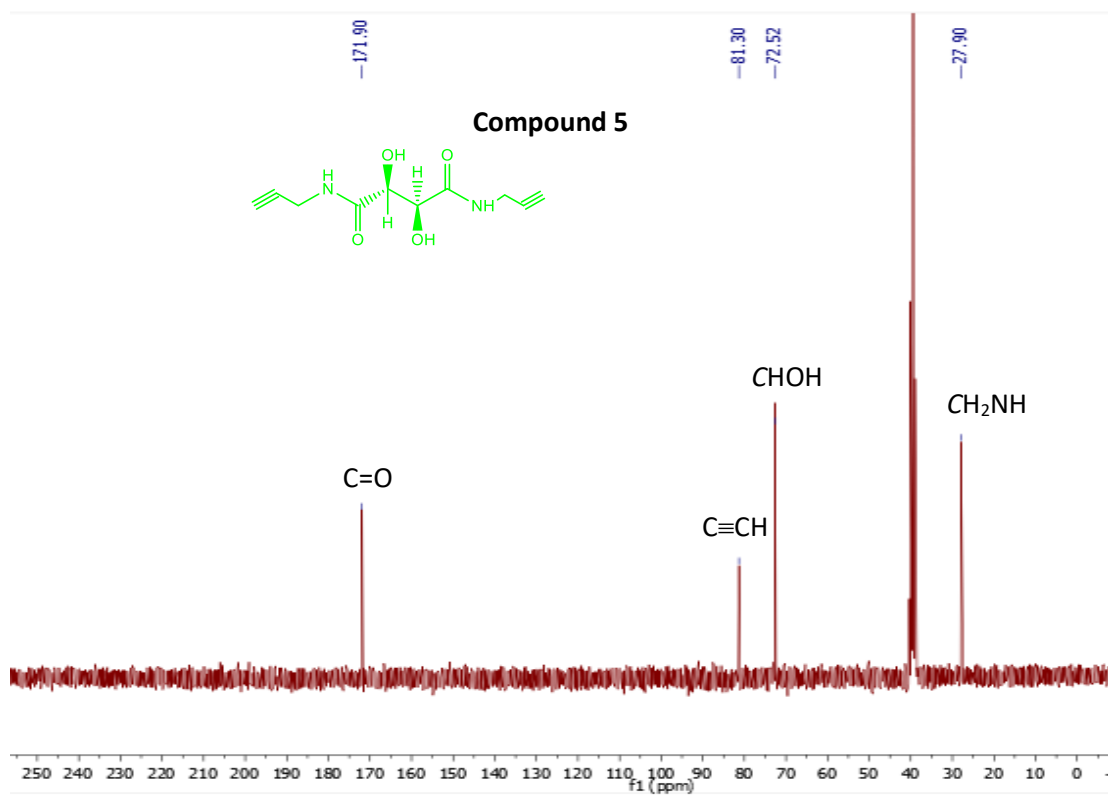
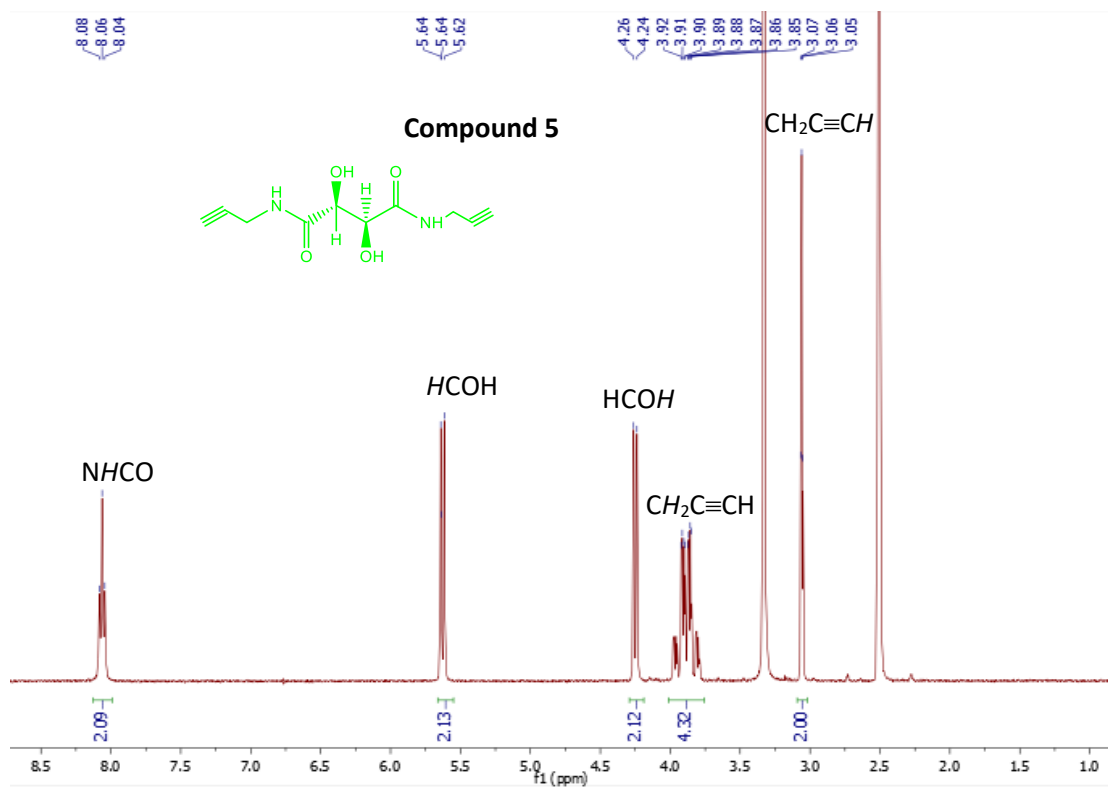
³ Unidad de Microanálisis y Métodos Físicos en Química Orgánica (UMYMFOR), Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)–Universidad de Buenos Aires, Buenos Aires C1428EGA, Argentina

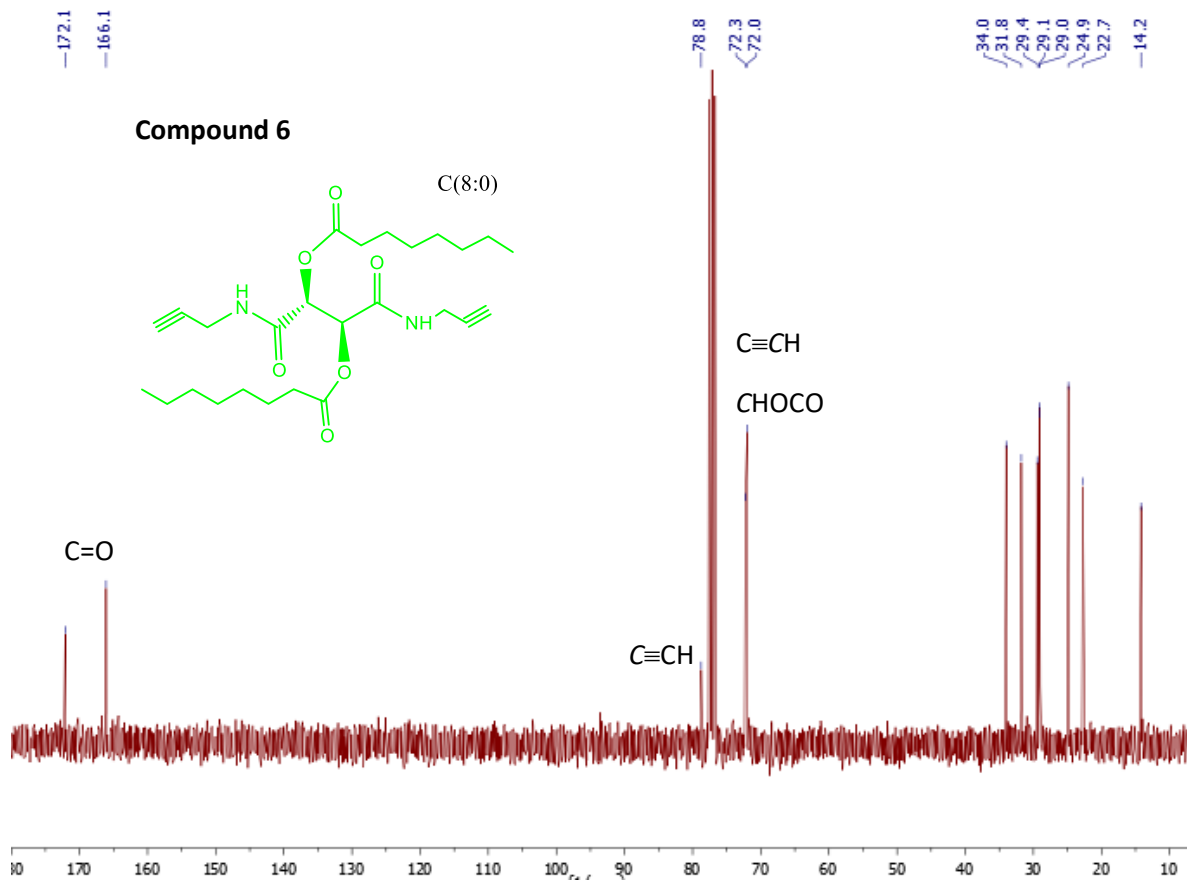
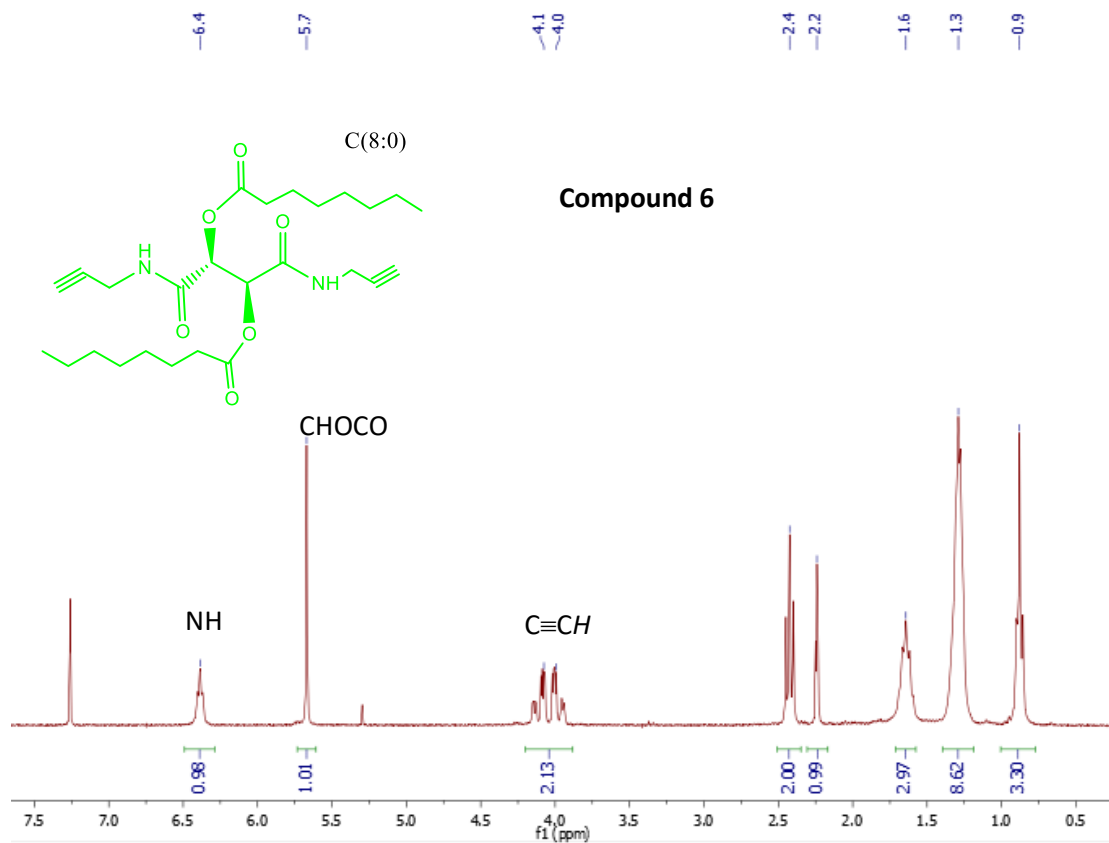
* Correspondence: dichenna@qo.fcen.uba.ar (P.H.D.C.); mluhrig@qo.fcen.uba.ar (M.L.U.)

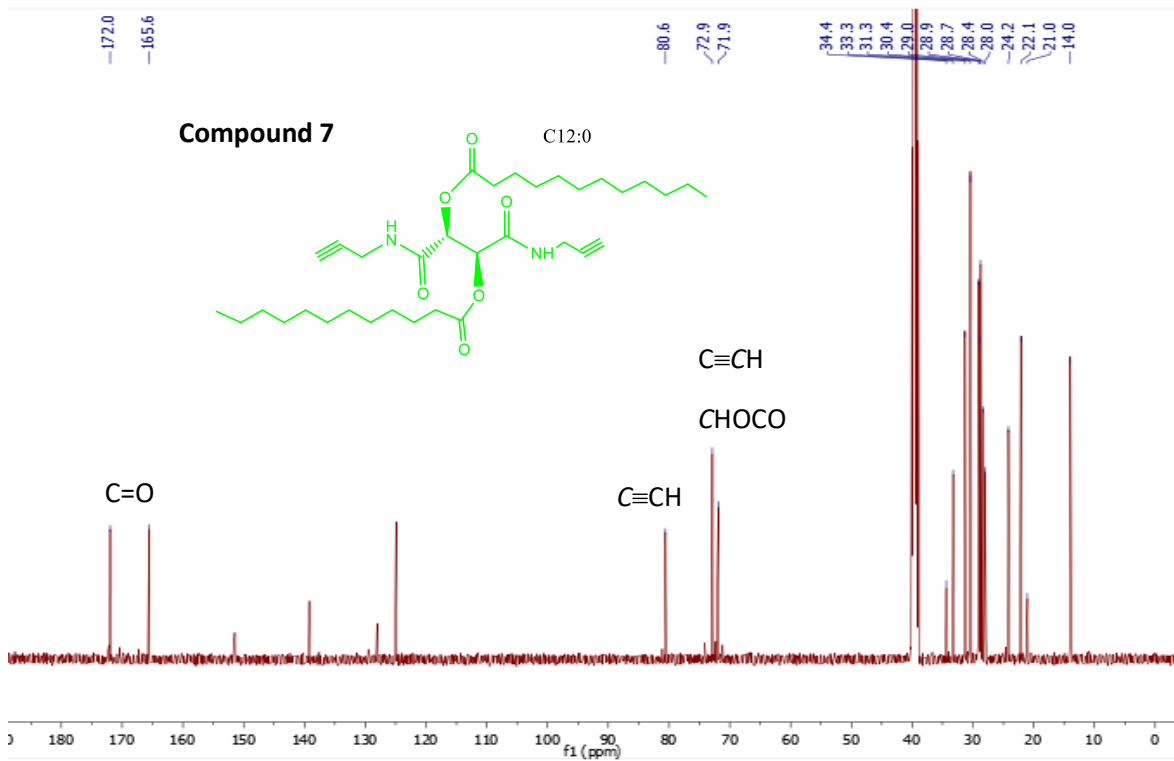
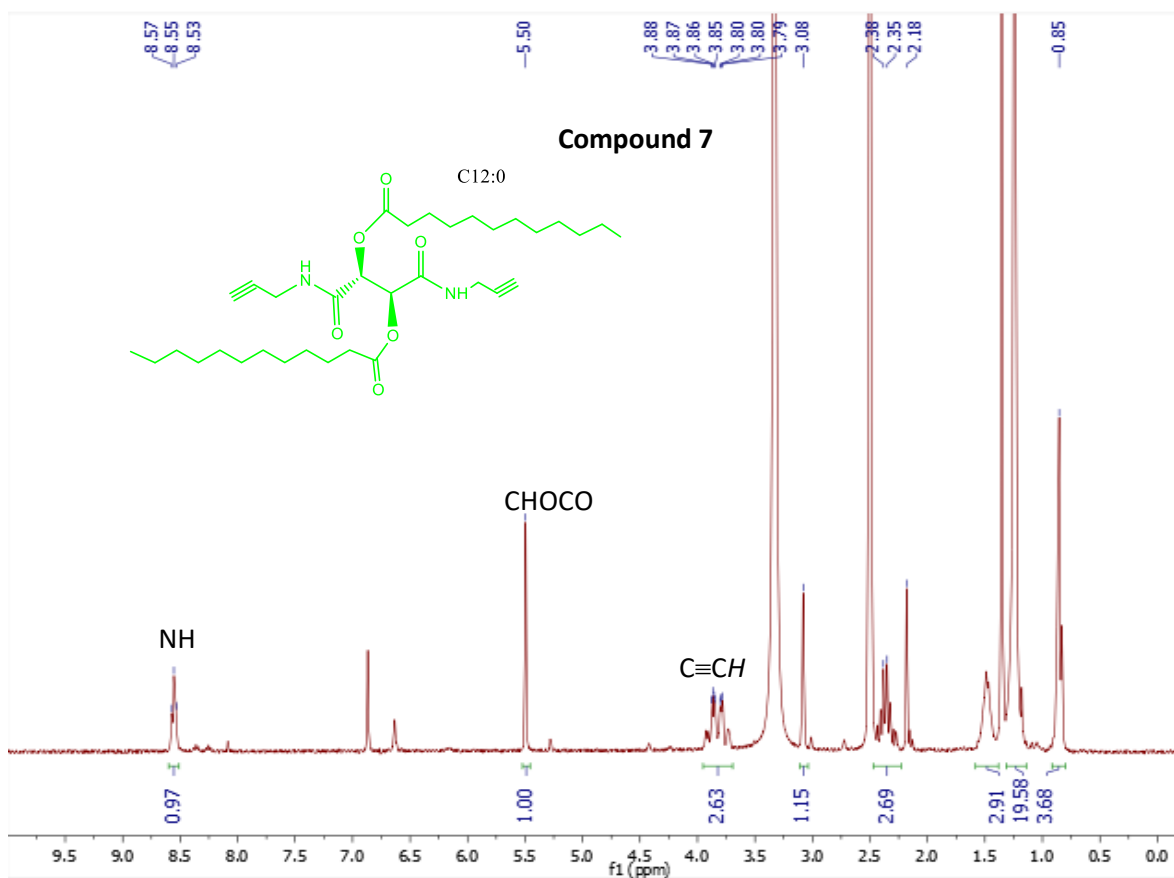
Figure S1. ^1H and ^{13}C NMR spectra (500 and 125 MHz respectively).

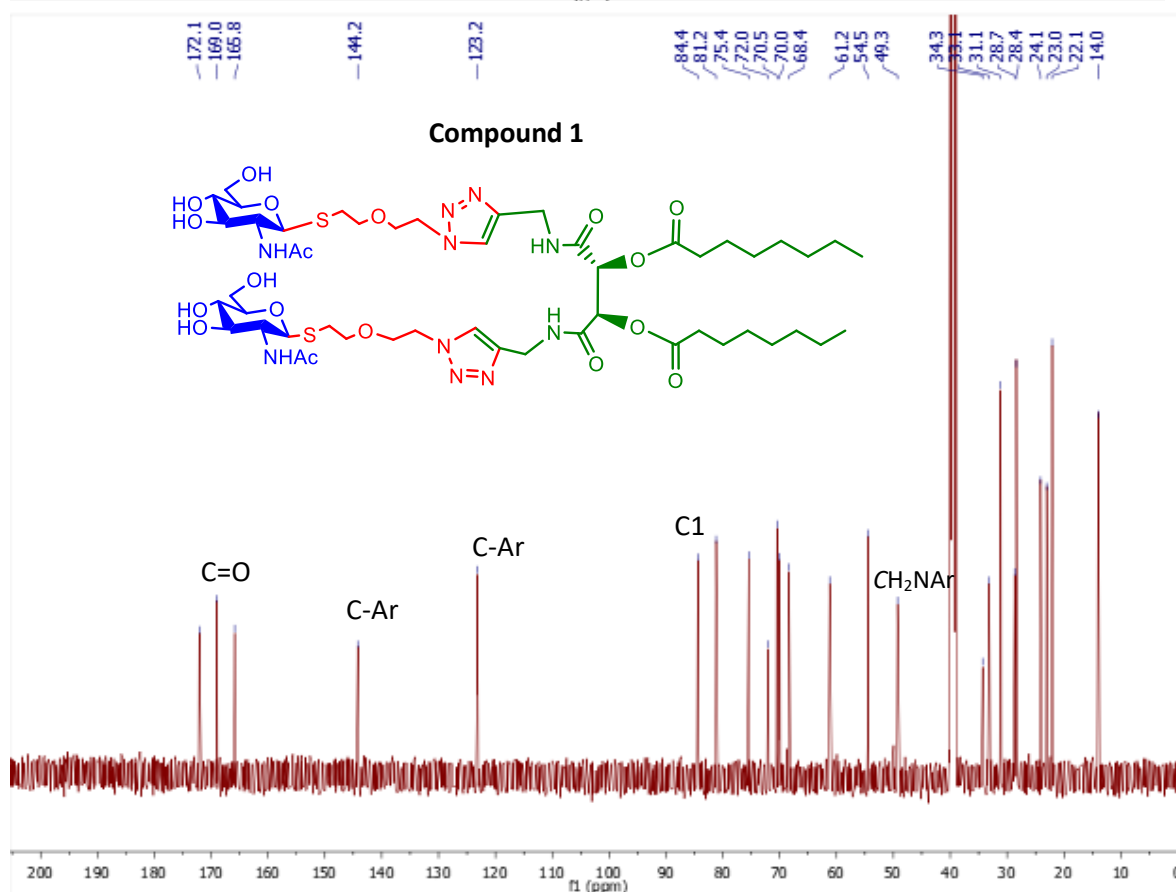
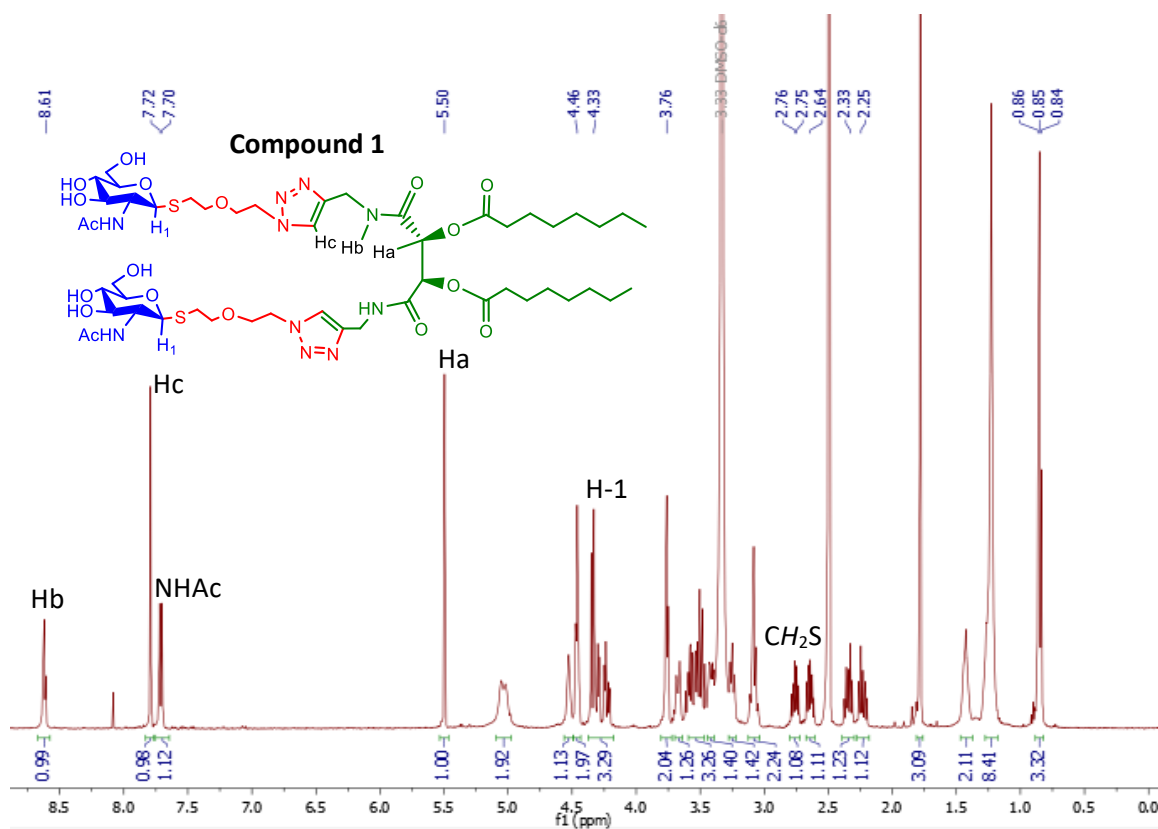


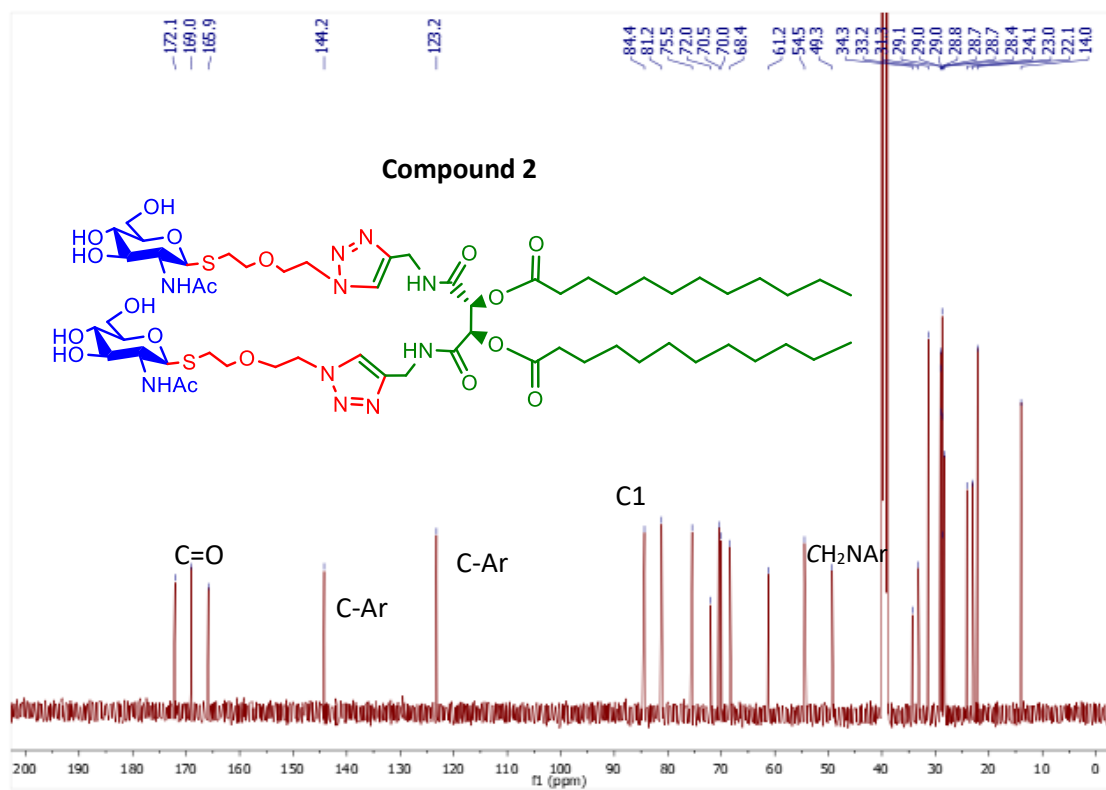
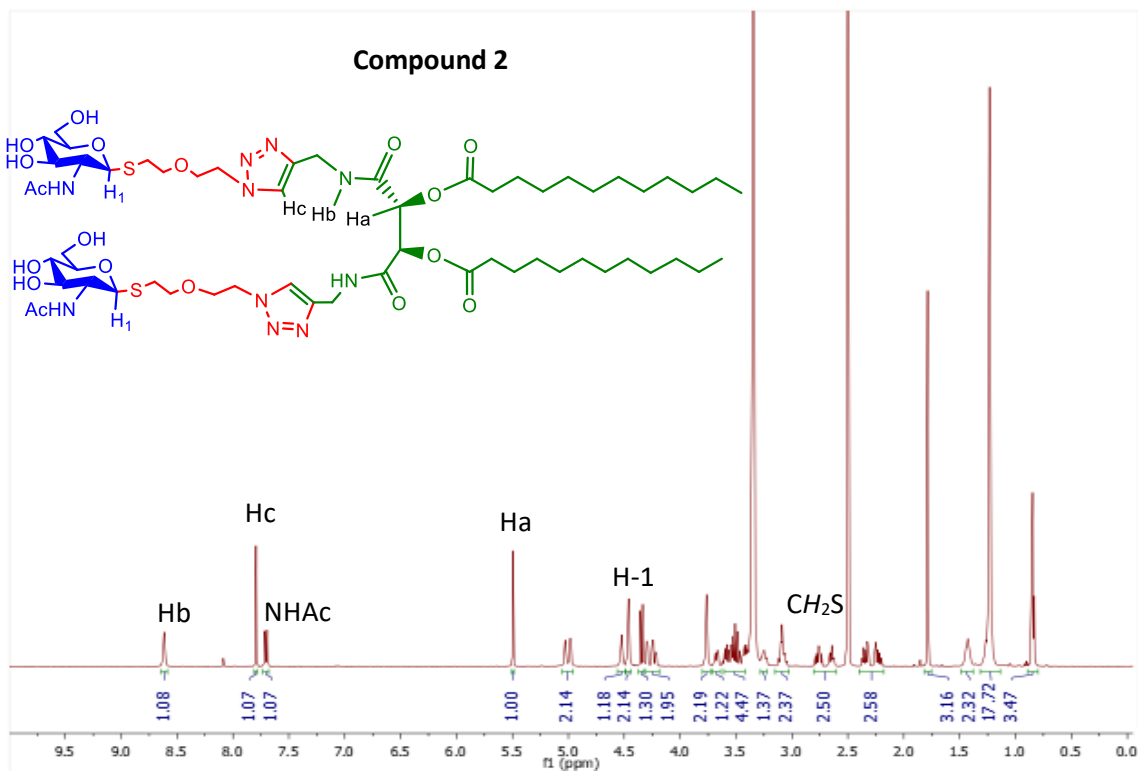


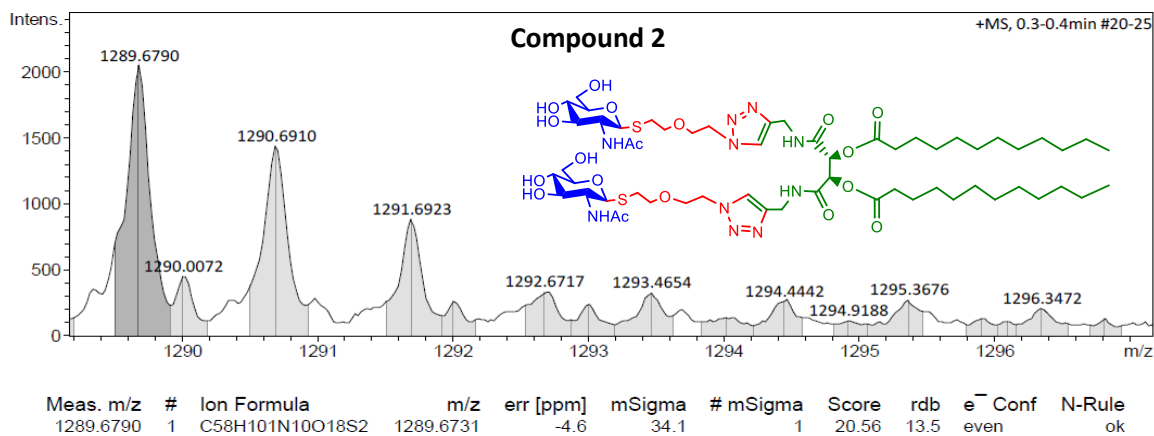
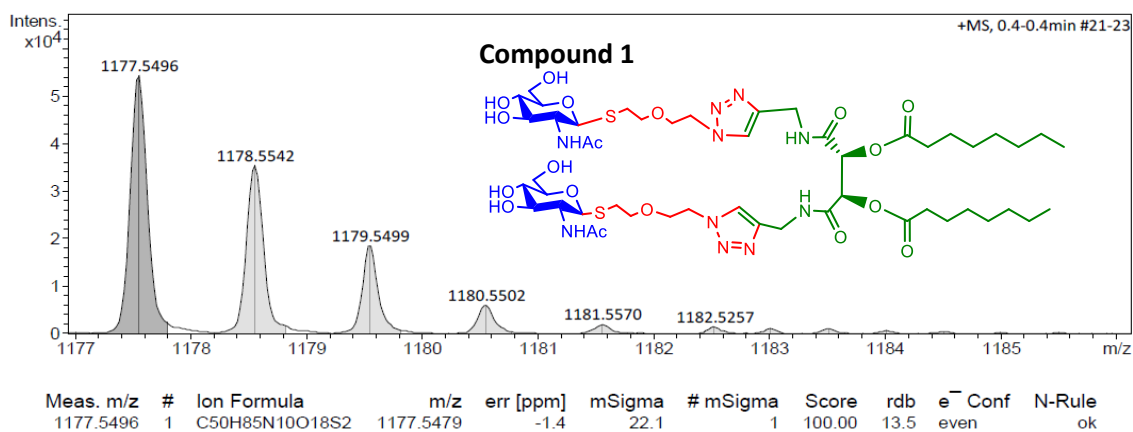
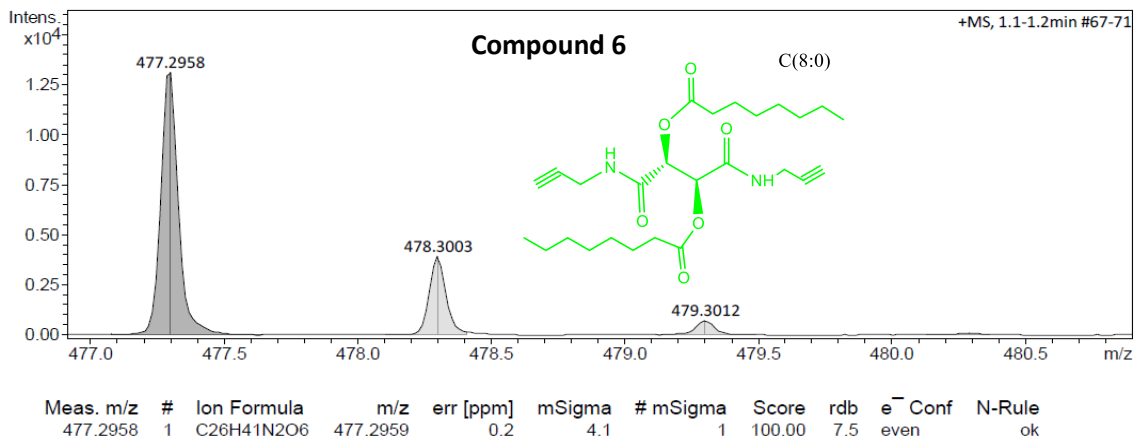












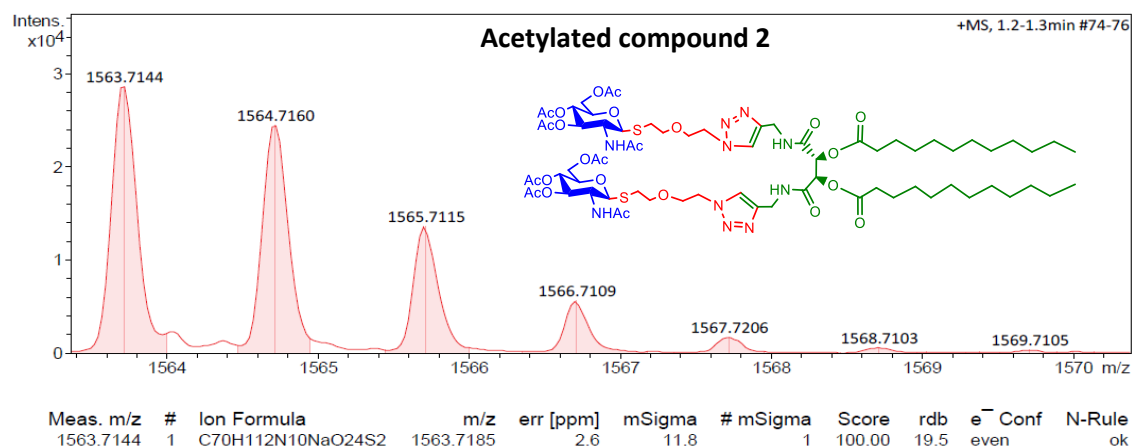


Figure S2. T_{gel} vs concentration plot for hydrogels of **1**

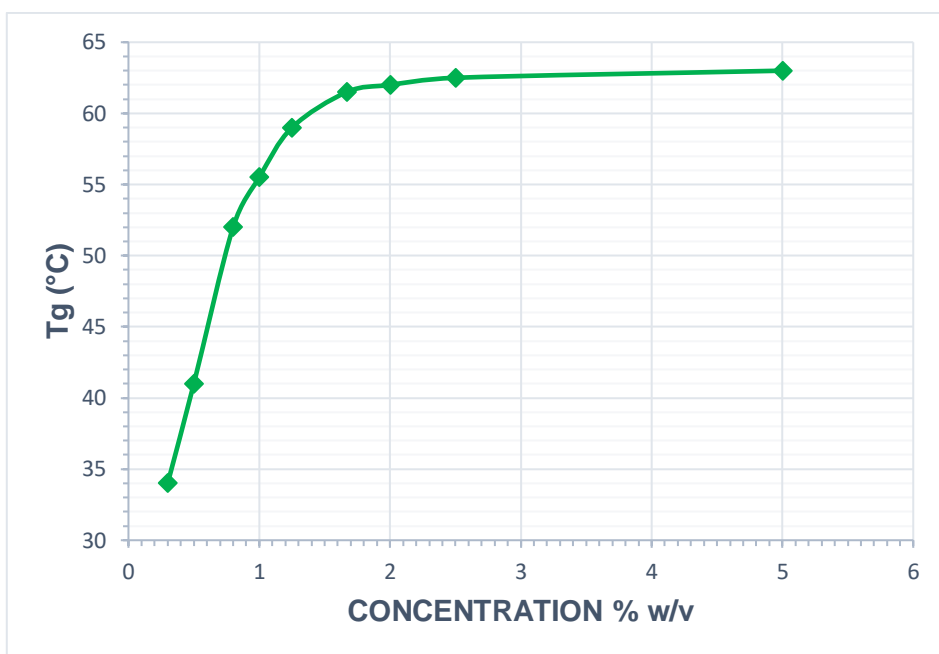


Figure S3. T_{gel} vs concentration plot for DMSO gels of **2**

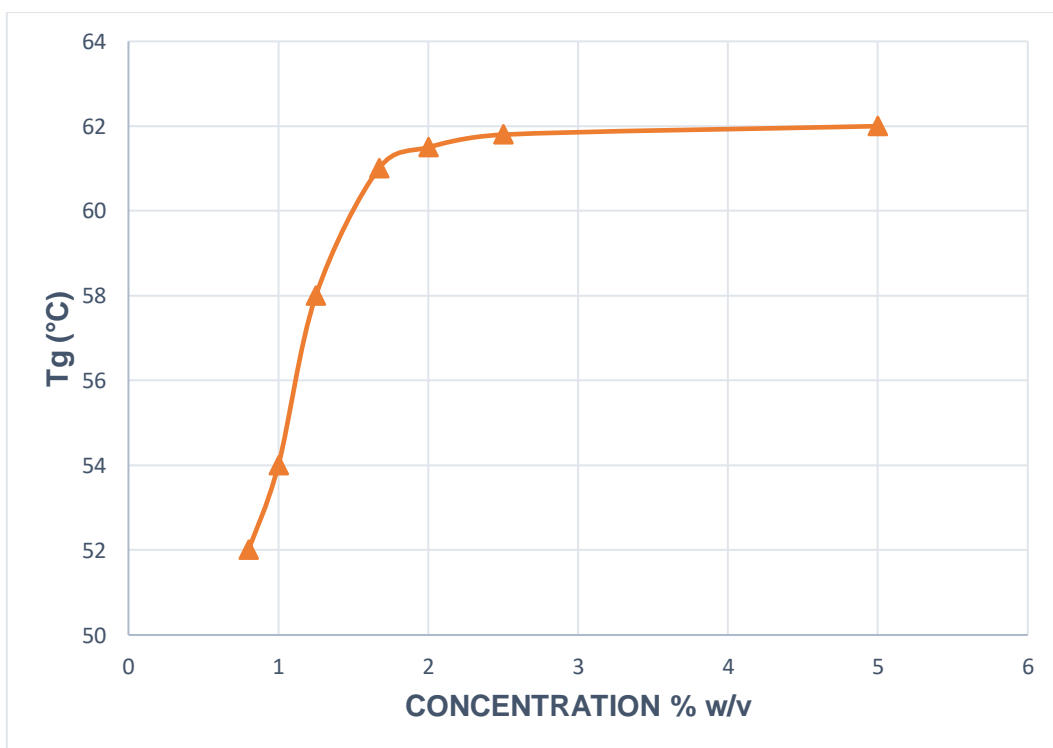


Figure S4. Reology. Dynamic strain sweep experiment of a hydrogel of **1** an DMSO gel of **2** at 25°C.

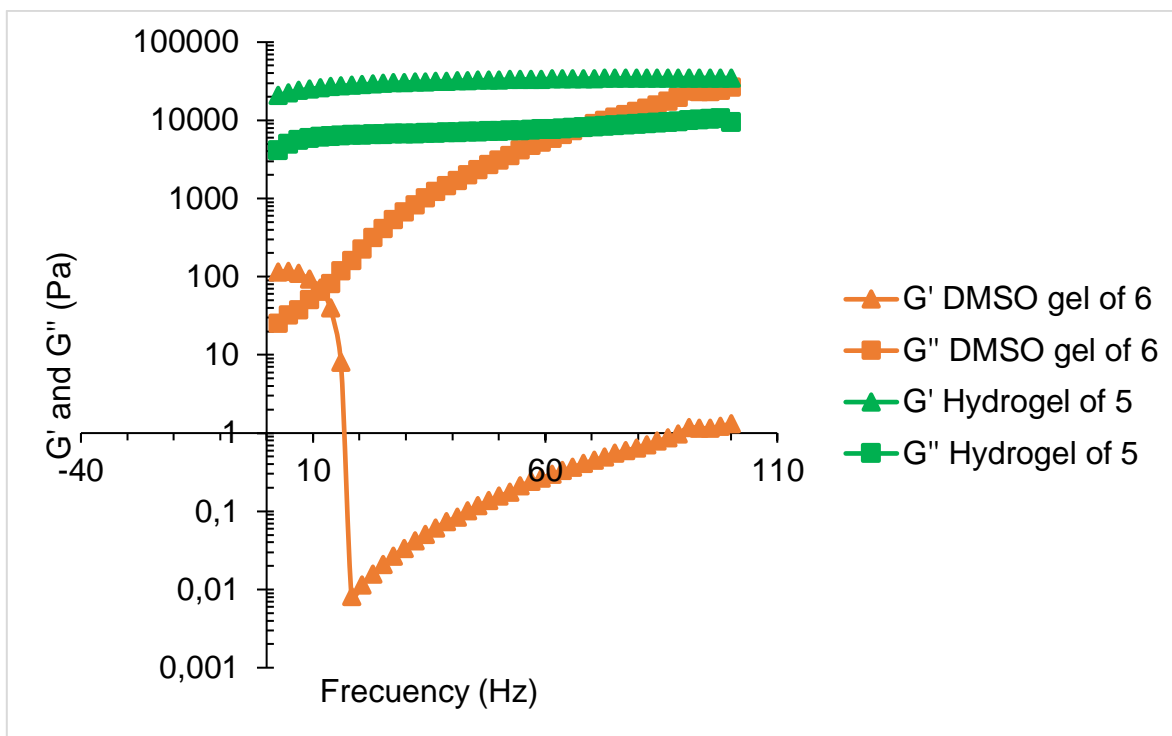


Figure S5. Powder XRD experiments

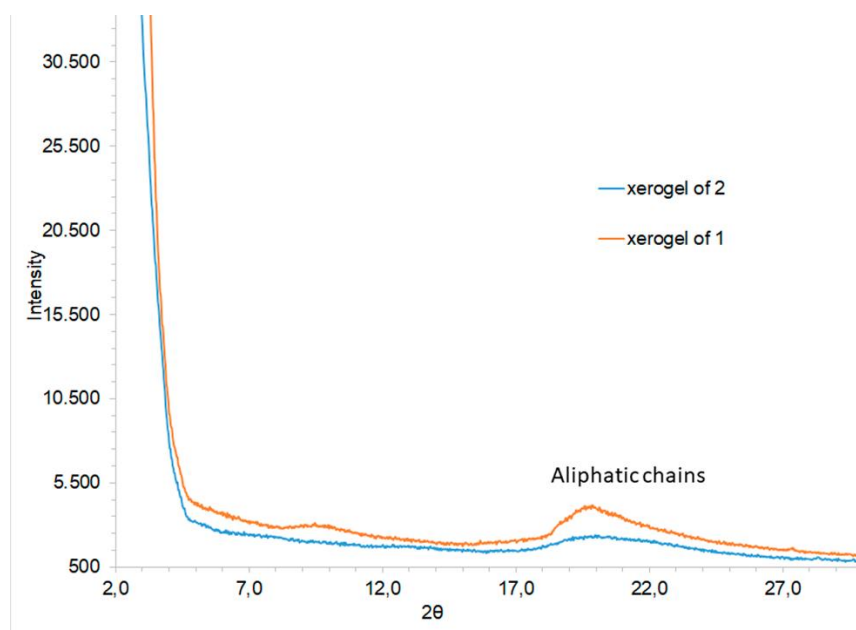


Figure S6. SEM images obtained from xerogels of a hydrogel of **1** (a) and a DMSO gel of **2** (b)

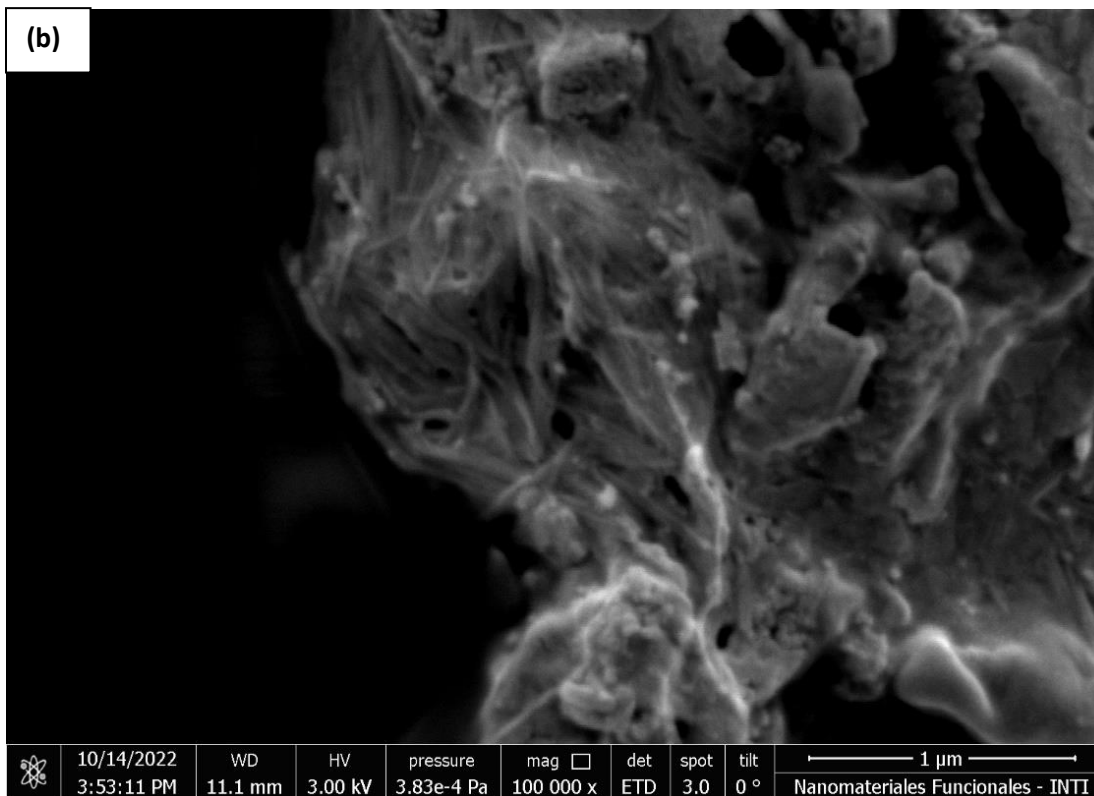
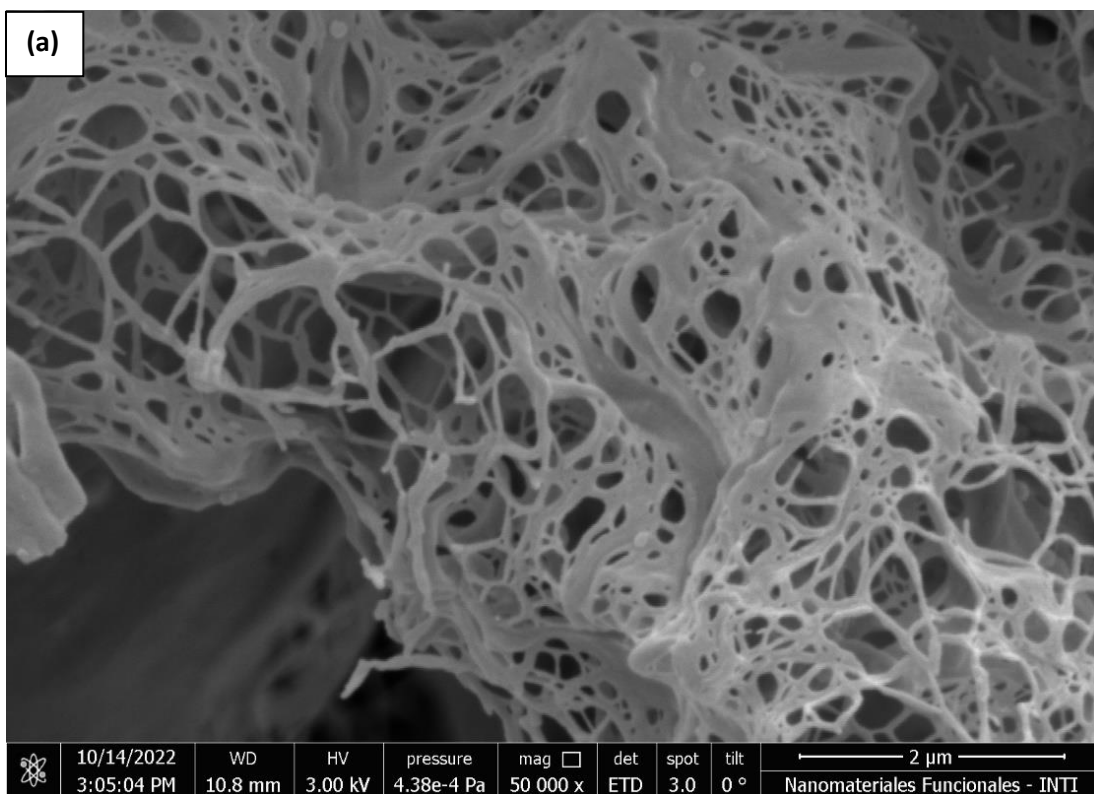


Figure S7. TEM image of the xerogel obtained from **2**

