

Supporting Information

Glycopolypeptoids as Novel Biomimetic Antifreeze Agents: Structural Design, Synthesis, and Antifreeze Properties

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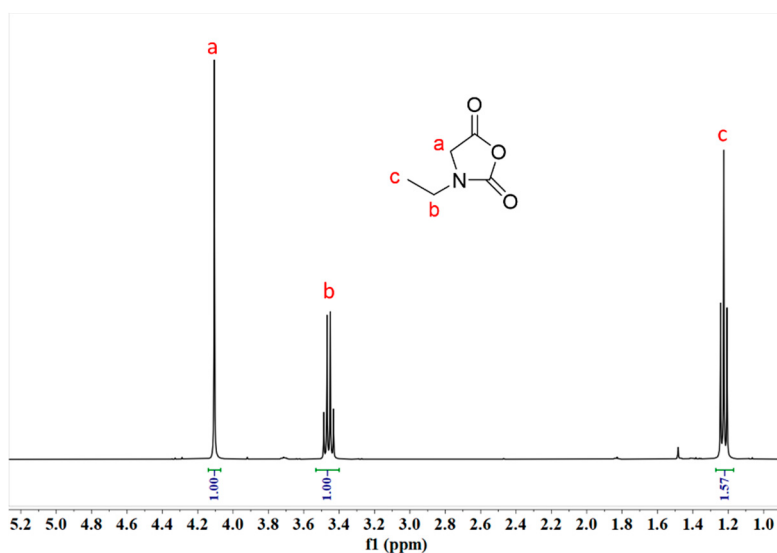


Figure S1. ¹H NMR spectrum of Ethyl-NCA. (400 MHz, CDCl₃)

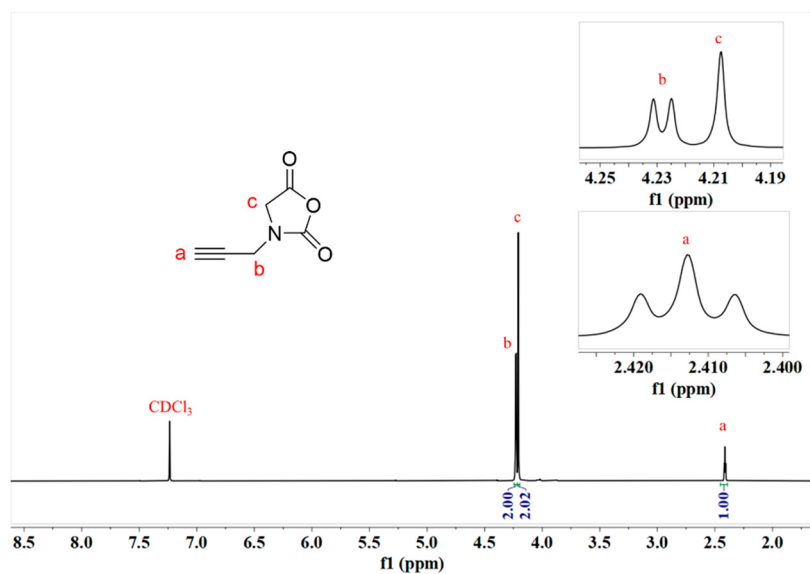


Figure S2. ¹H NMR spectrum of Propynyl-NCA. (400 MHz, CDCl₃)

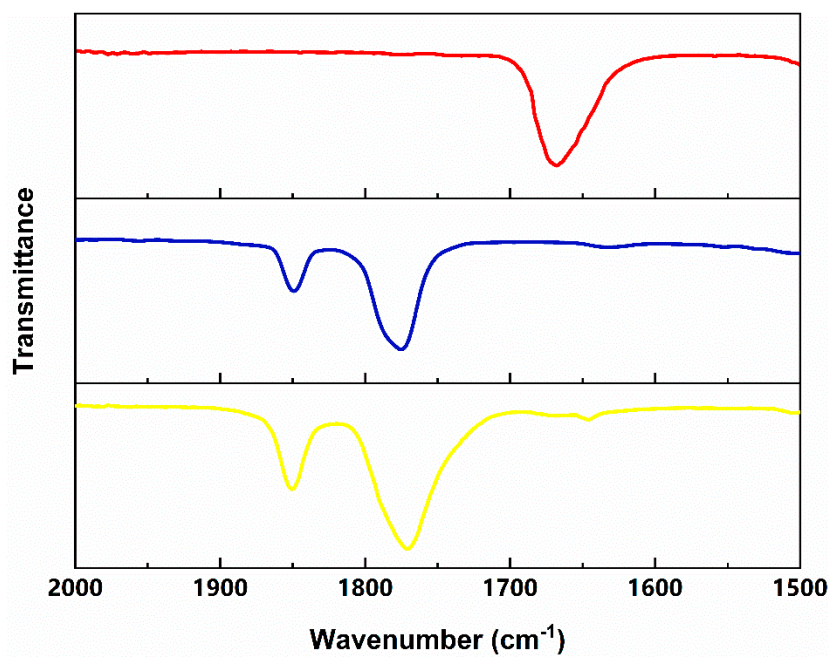


Figure S3. FT-IR spectra of the polypeptoids (red), Ethyl-NCA (blue) and Propynyl-NCA (yellow).

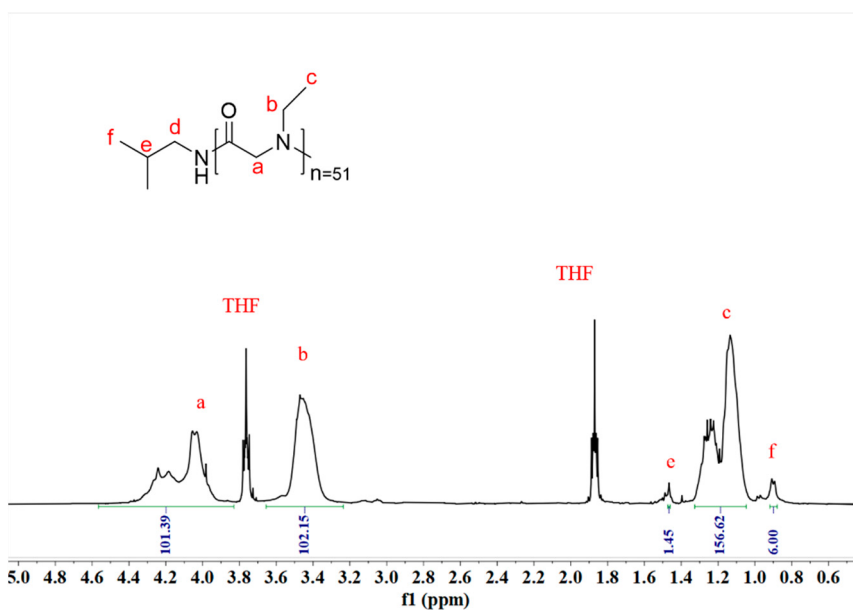


Figure S4. ¹H NMR spectrum of PNEG₅₁. (400 MHz, CDCl₃)

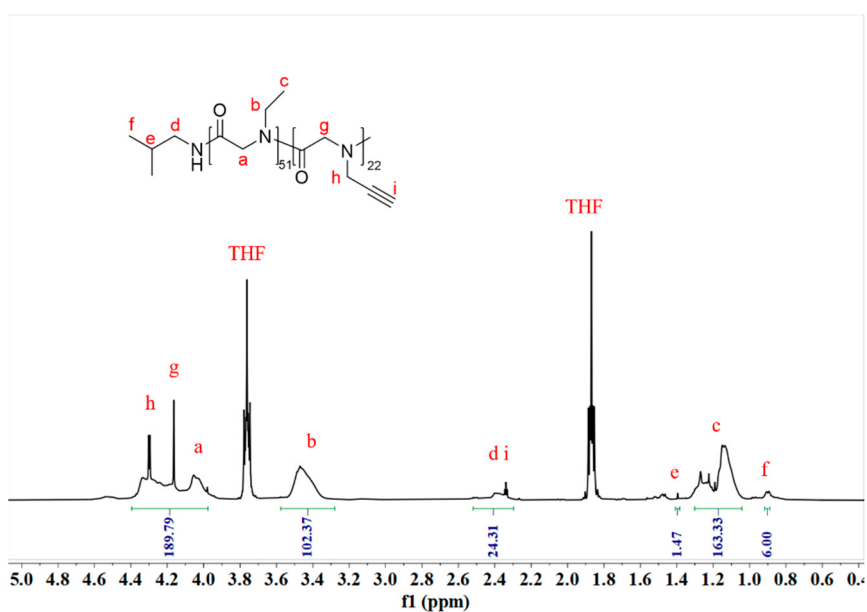


Figure S5. ¹H NMR spectrum of PNEG₅₁-b-PNPG₂₂. (400 MHz, CDCl₃)

Table S1. The yields of all glycopolypeptoids.

Polymer	Yield
PE ₂₅ -r-(PG-Gal) ₂₅	69%
PE ₅₁ -r-(PG-Gal) ₂₆	64%
PE ₂₅ -r-(PG-GluNHAc) ₂₅	65%
PE ₅₁ -r-(PG-GluNHAc) ₂₆	62%
PE ₂₅ -r-(PG-e-Glu) ₂₅	67%
PE ₅₁ -r-(PG- e-Glu) ₂₆	70%