

Modular Synthesis of Glycopolymers with Well-Defined Sugar Units in The Side Chain *via* Ugi Reaction and Click Chemistry: hetero vs homo

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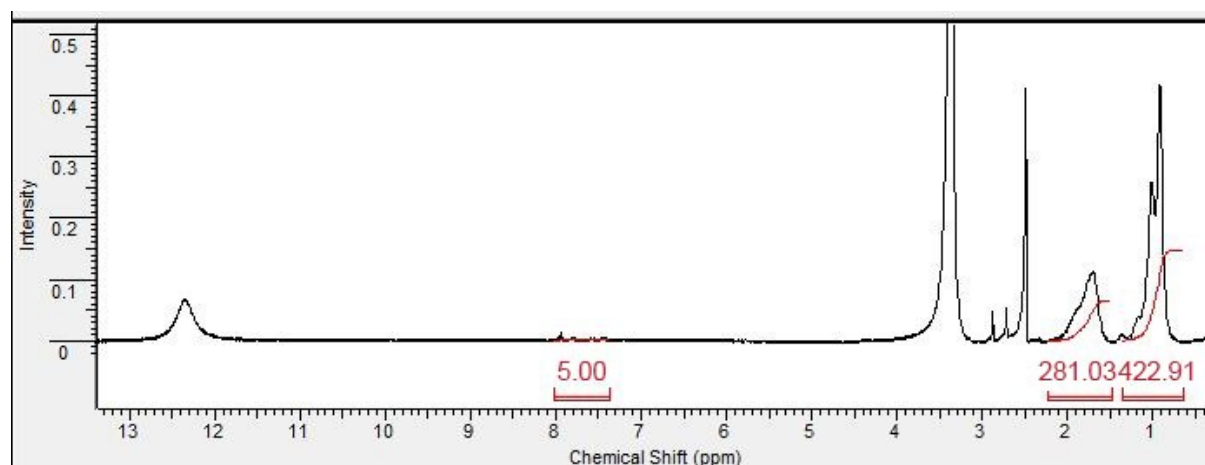


Figure S1. ¹H NMR spectrum of PMAA in D₂O.

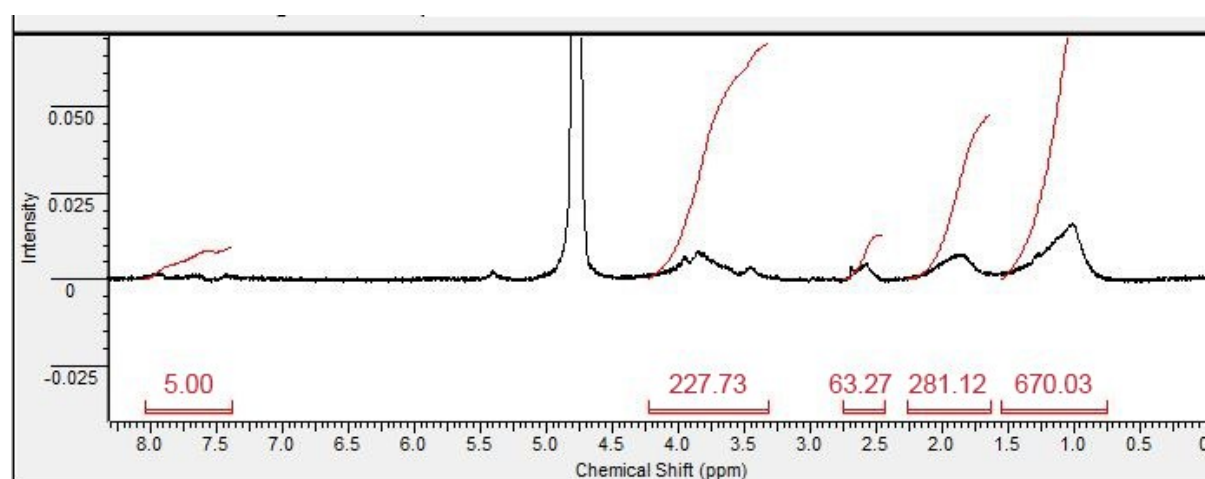


Figure S2. ¹H NMR spectrum of PM-G in D₂O.

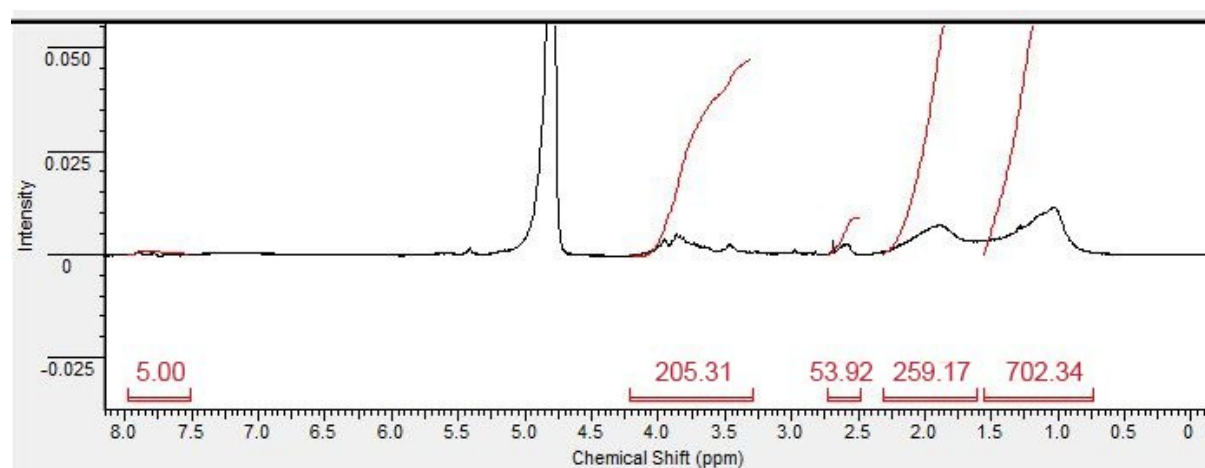


Figure S3. ^1H NMR spectrum of PM-M in D_2O .

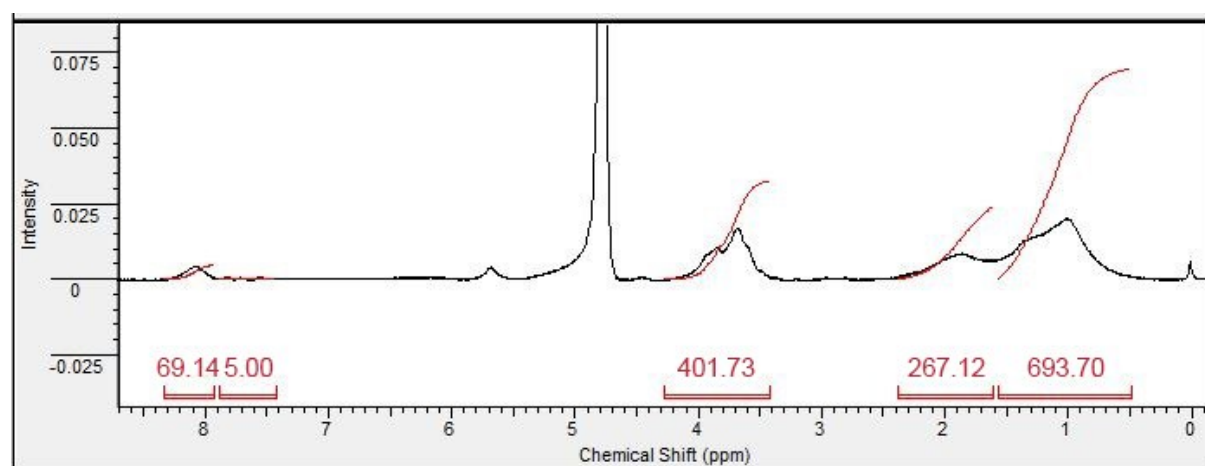


Figure S4. ^1H NMR spectrum of PM-GG in D_2O .

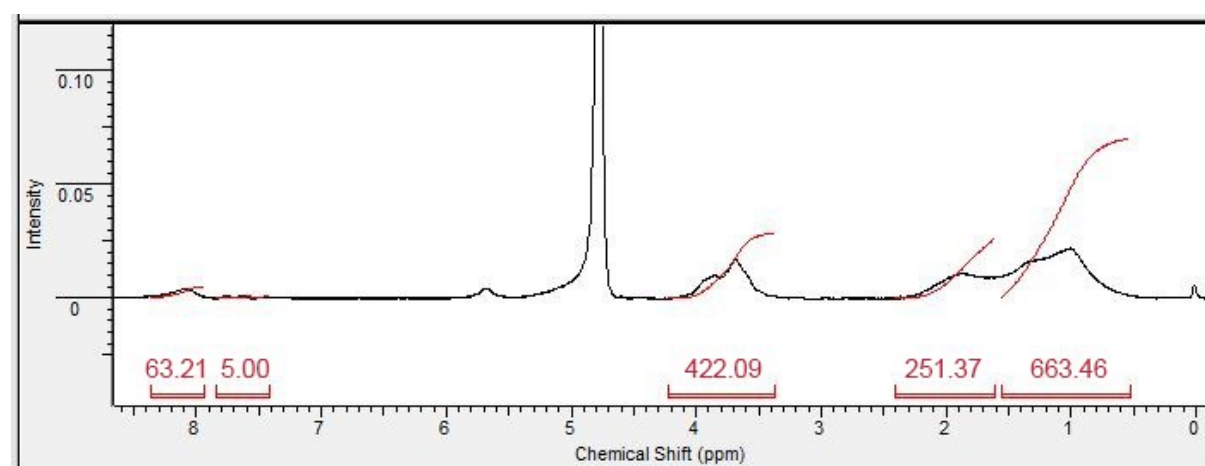


Figure S5. ^1H NMR spectrum of PM-GM in D_2O .

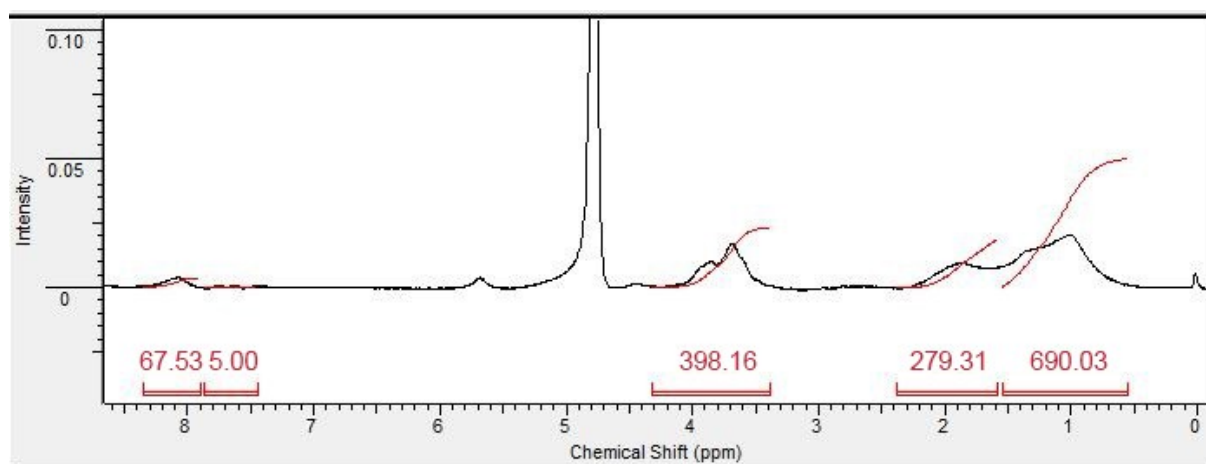


Figure S6. ^1H NMR spectrum of PM-MM in D_2O .

Table S1. The GPC result of polymers used in the experiments.

Samples	M_n , by NMR	M_n , by GPC	PDI
PMAA	11700	10800	1.12
PM-G	36200	11900	1.21
PM-M	35700	12100	1.22
PM-GG	43100	12800	1.28
PM-GM	42500	13100	1.30
PM-MM	44000	13000	1.29

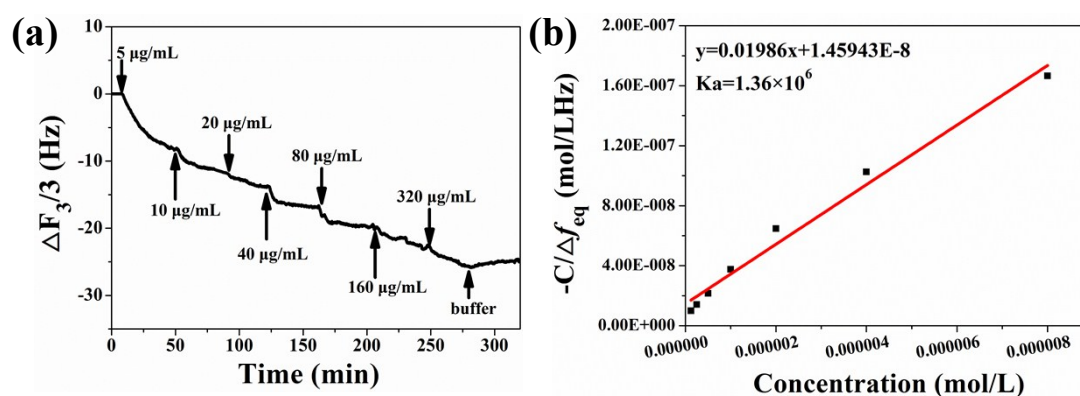


Figure S7. QCM-D experiments. (a) Frequency shift of PM-GG functionalized gold-coated chip for the adsorption of Con A with various concentration; (b) Langmuir isotherm plot of $C/\Delta f_{\text{eq}}$ vs Concentration.

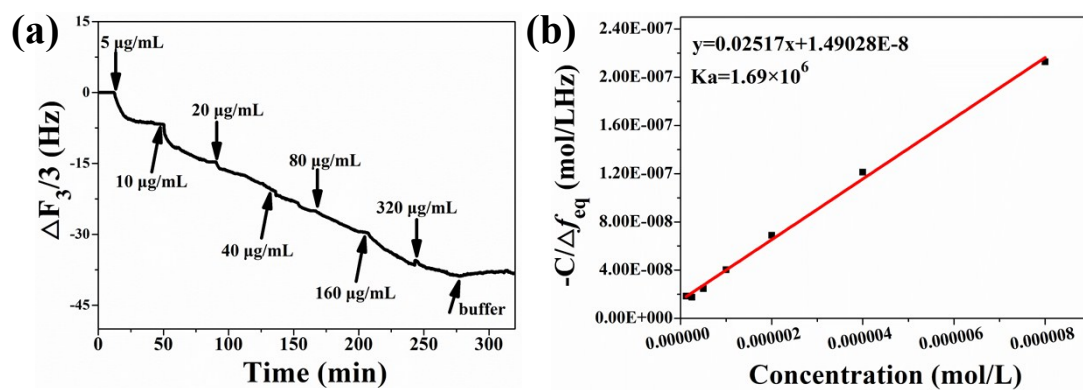


Figure S8. QCM-D experiments. (a) Frequency shift of PM-MM functionalized gold-coated chip for the adsorption of Con A with various concentration; (b) Langmuir isotherm plot of $C/\Delta f$ vs Concentration.