

Figure S1. ^1H NMR spectra of 2,2,6,6-tetramethyl-4-piperidyl methacrylate (solvent: CDCl_3).

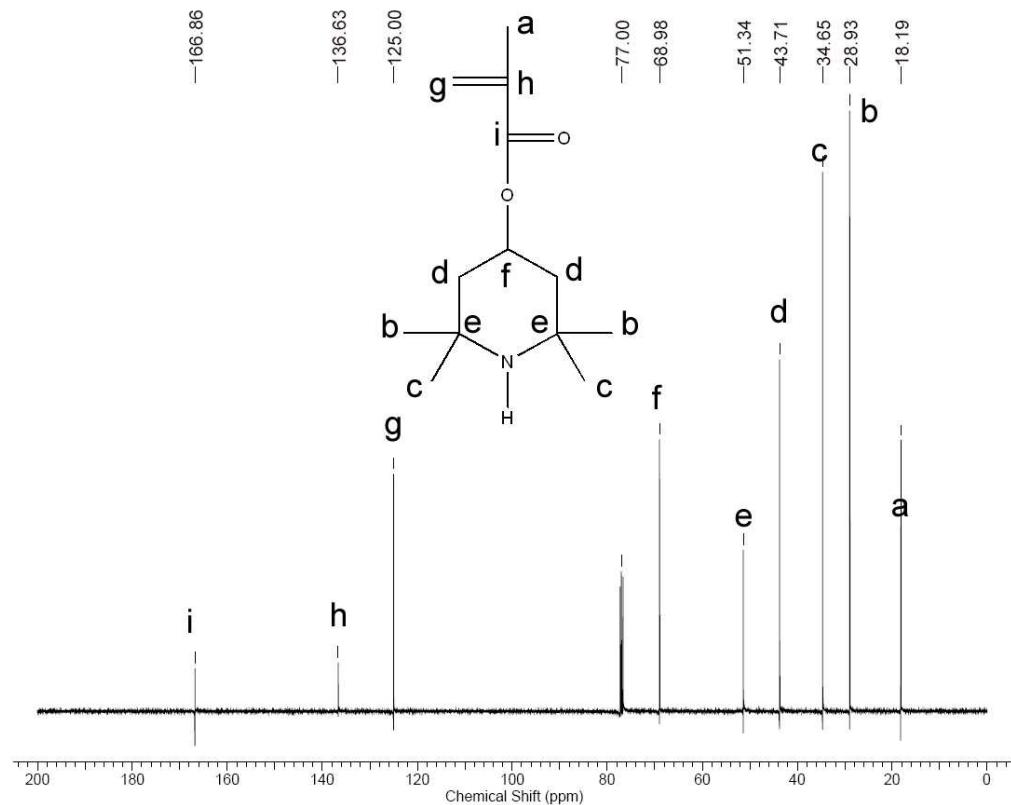


Figure S2. ^{13}C NMR spectra of 2,2,6,6-tetramethyl-4-piperidyl methacrylate (solvent: CDCl_3).

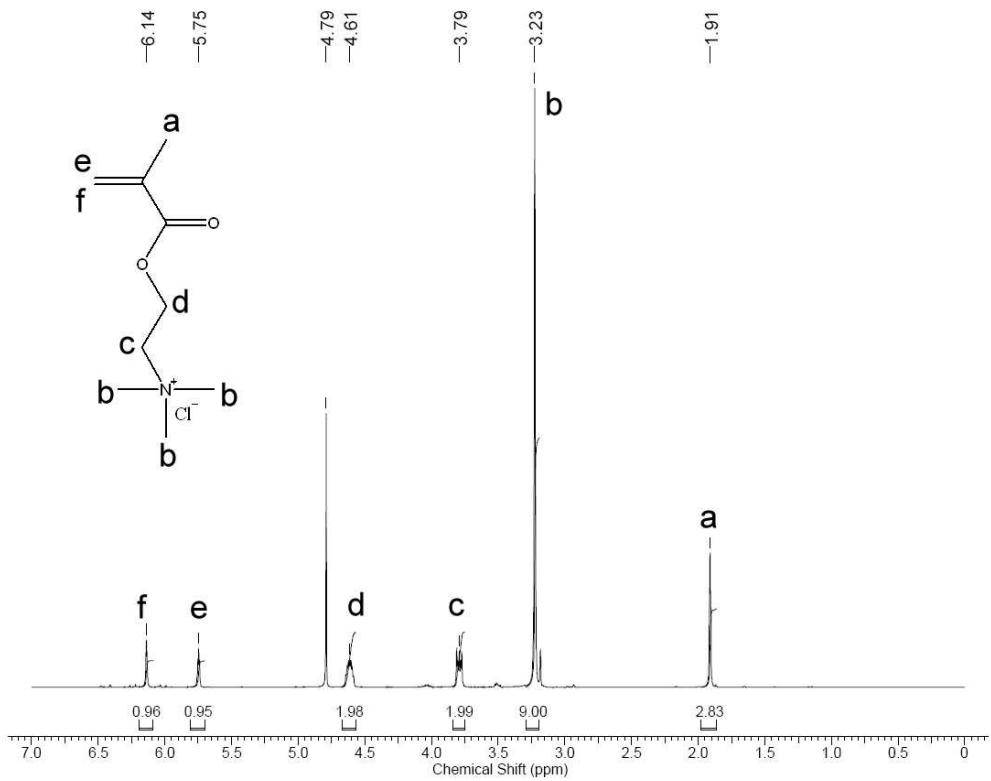


Figure S3. ^1H NMR spectra of trimethyl-2-methacryloxyethylammonium chloride (solvent: D_2O).

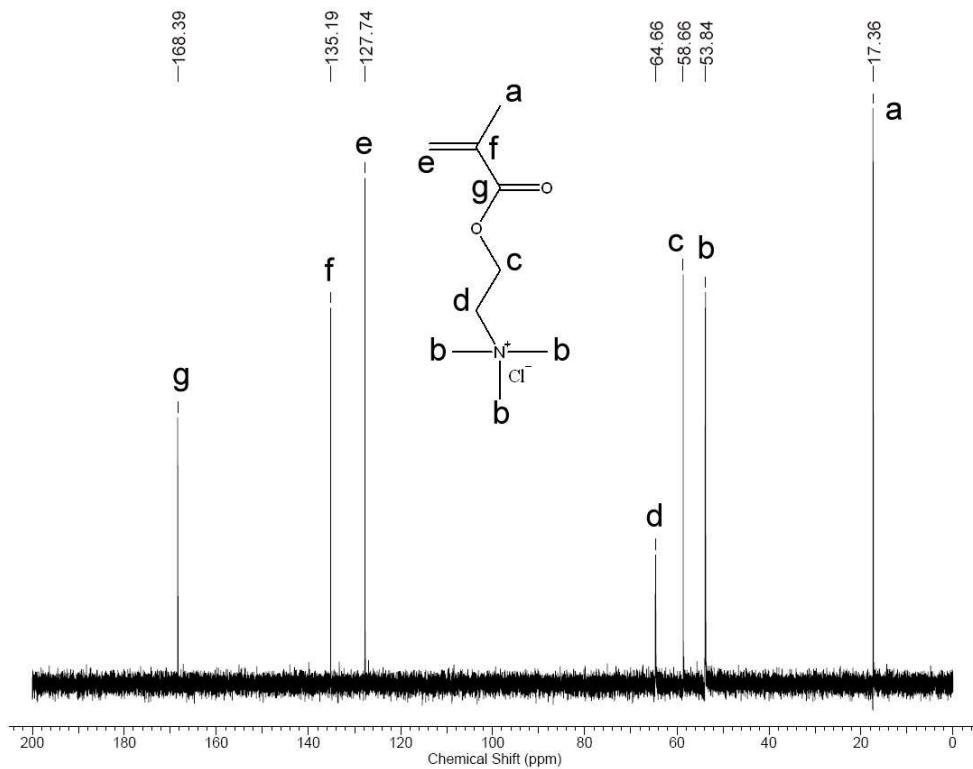
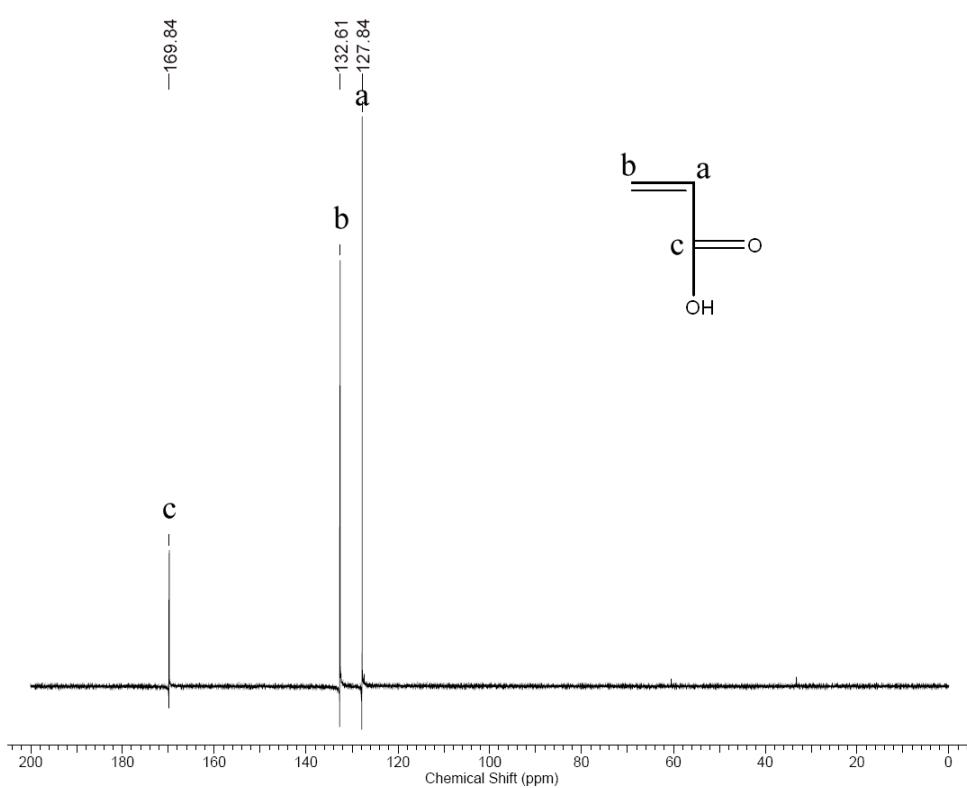
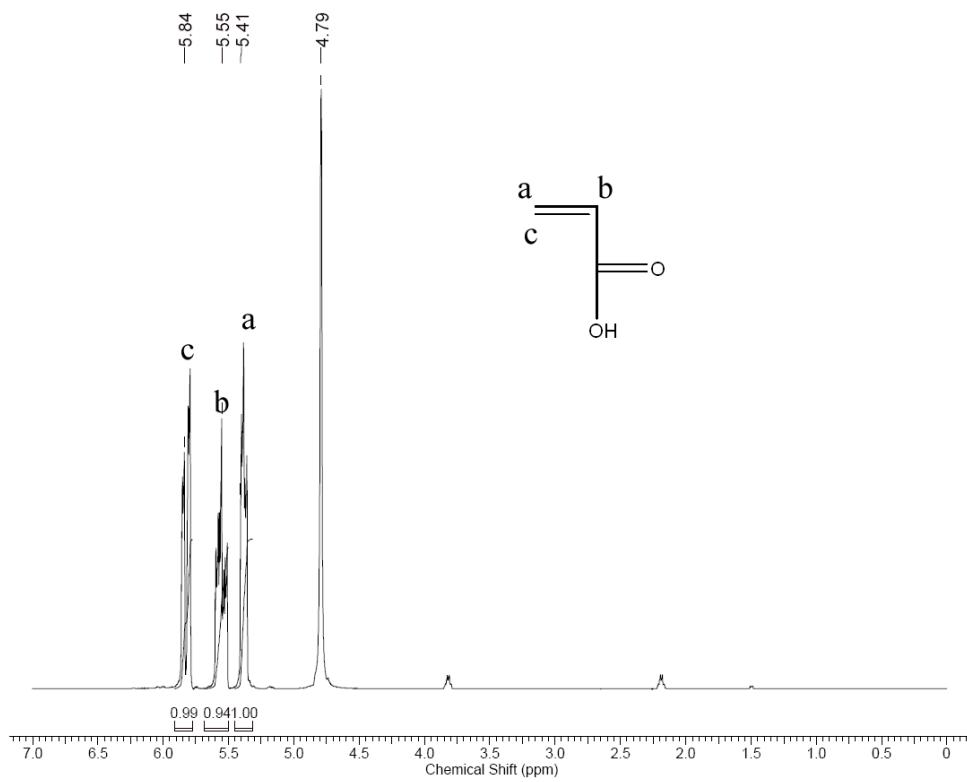


Figure S4. ^{13}C NMR spectra of trimethyl-2-methacryloxyethylammonium chloride (solvent: D_2O).



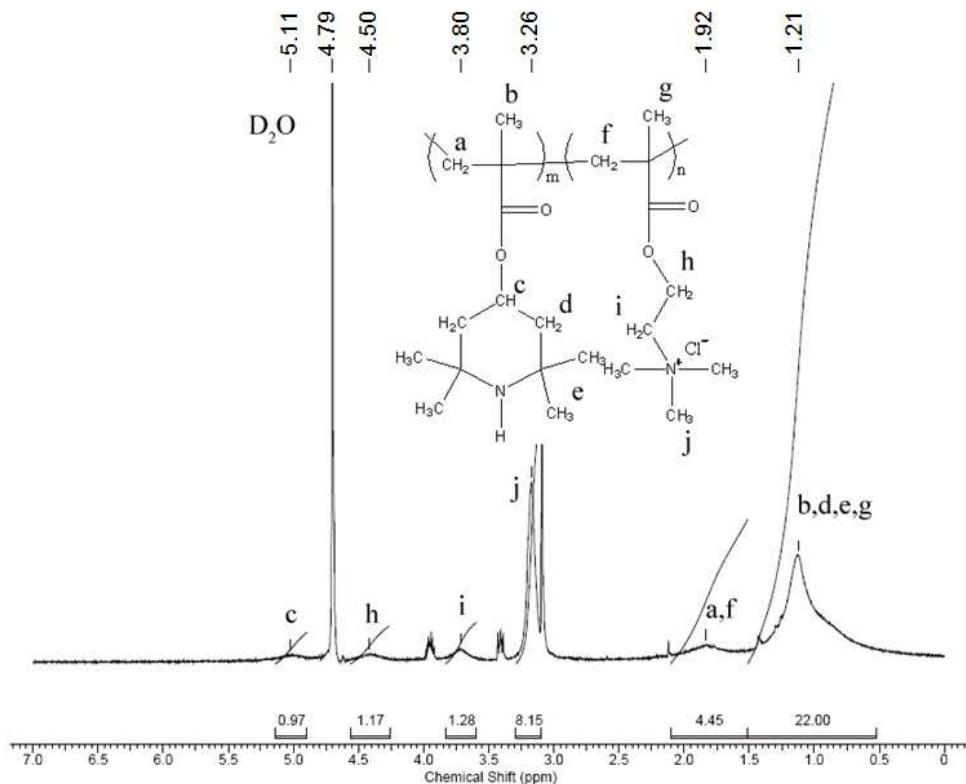


Figure S7. ^1H NMR spectra of PMPQ (solvent: D_2O).

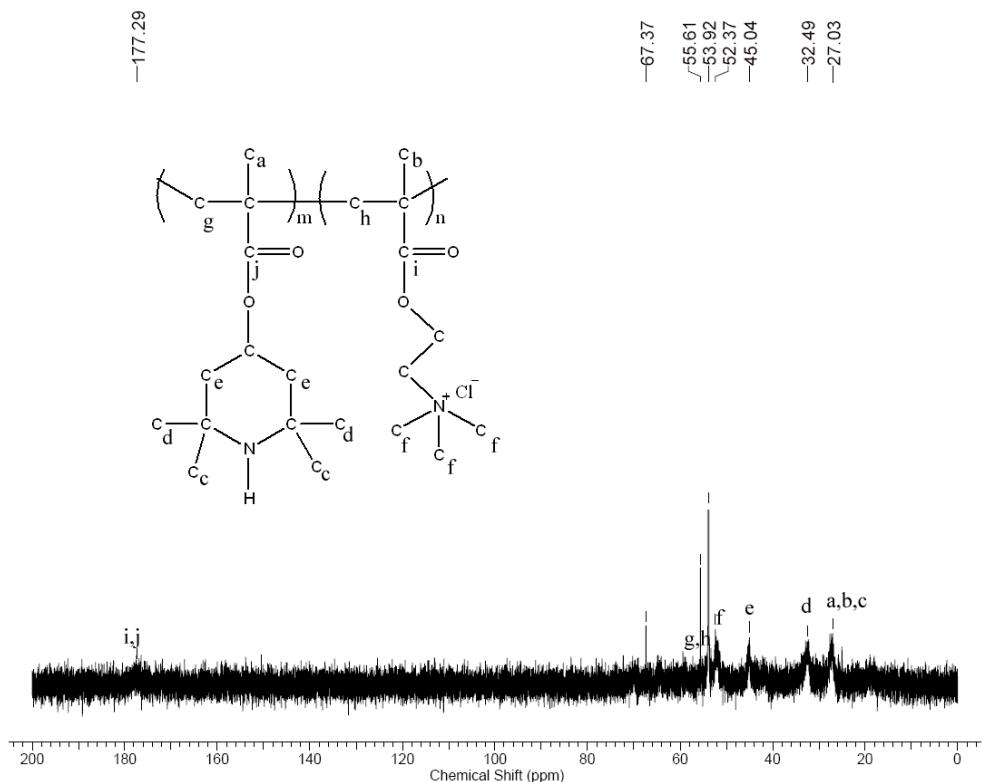


Figure S8. ^{13}C NMR spectra of PMPQ (solvent: D_2O).

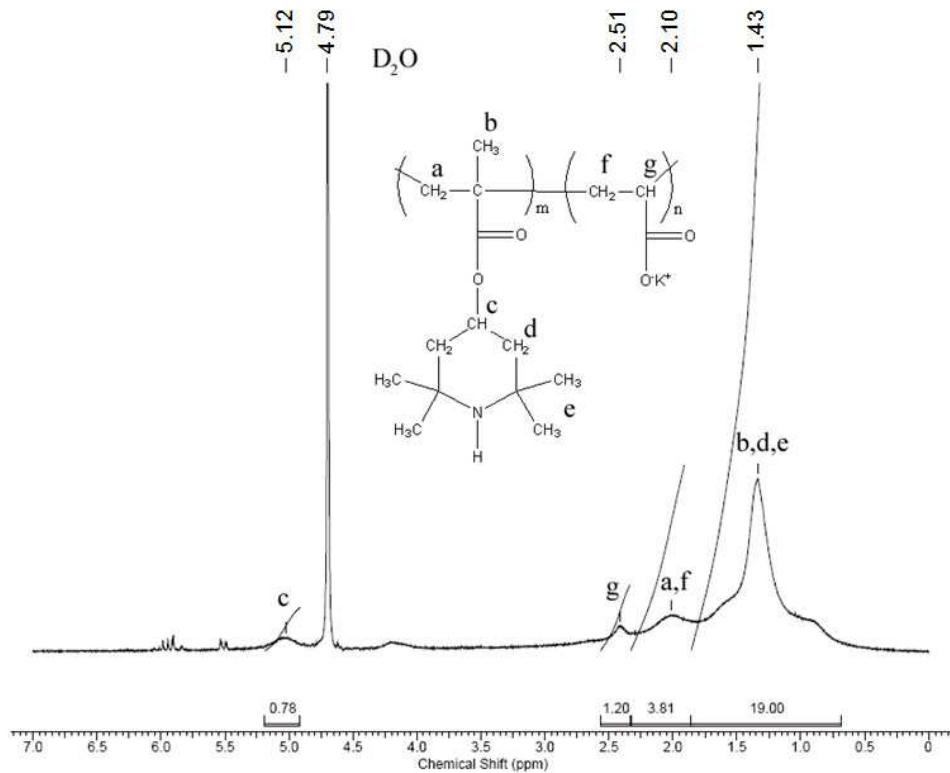


Figure S9. ^1H NMR spectra of PMPA (solvent: D_2O).

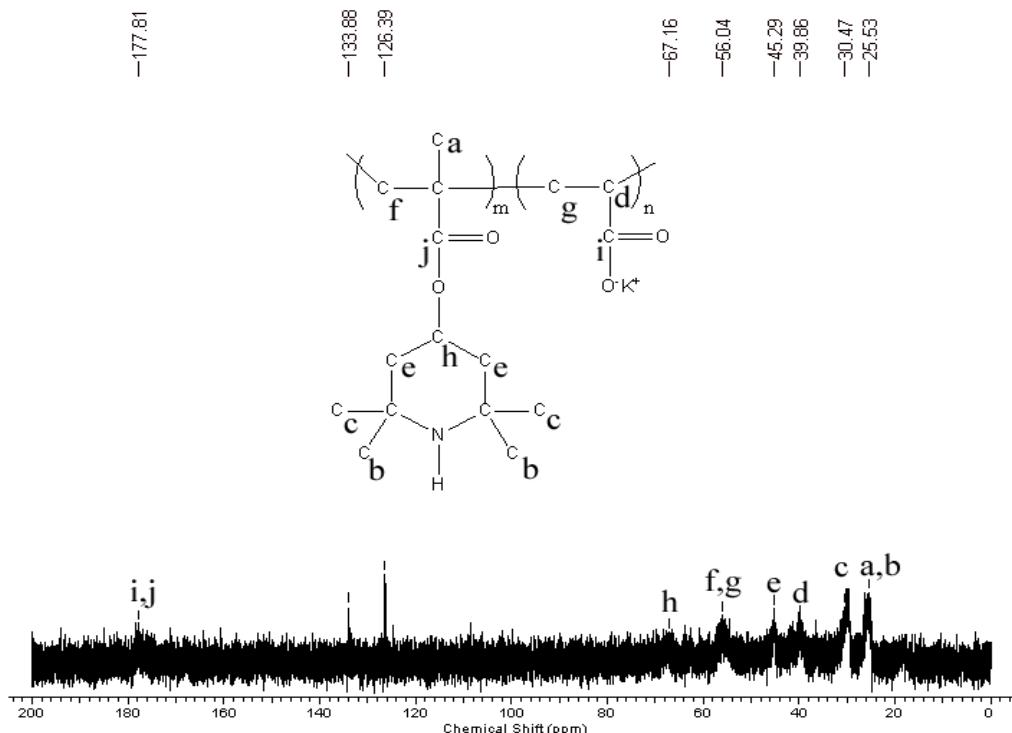


Figure S10. ^{13}C NMR spectra of PMPA (solvent: D_2O).