

Supporting Information

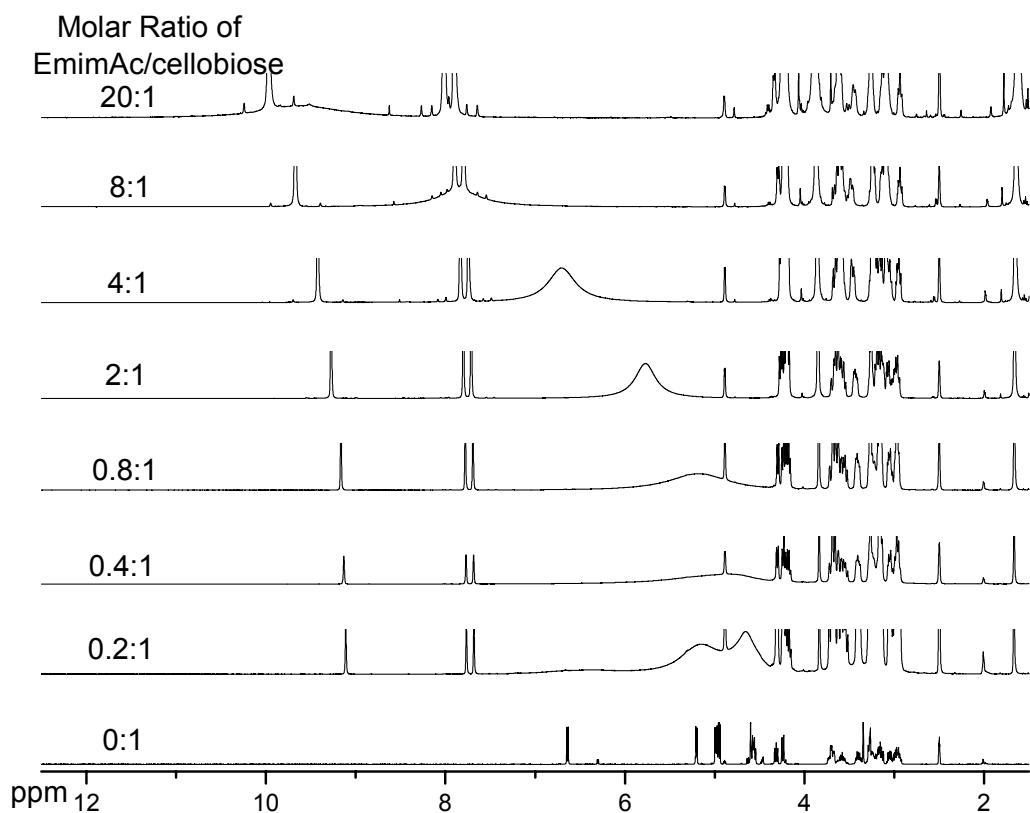


Fig. S1 Effect of molar ratios of EmimAc/cellobiose on the ¹H-NMR spectra for cellobiose in DMSO-d₆. (The bottom spectrum is the neat cellobiose.)

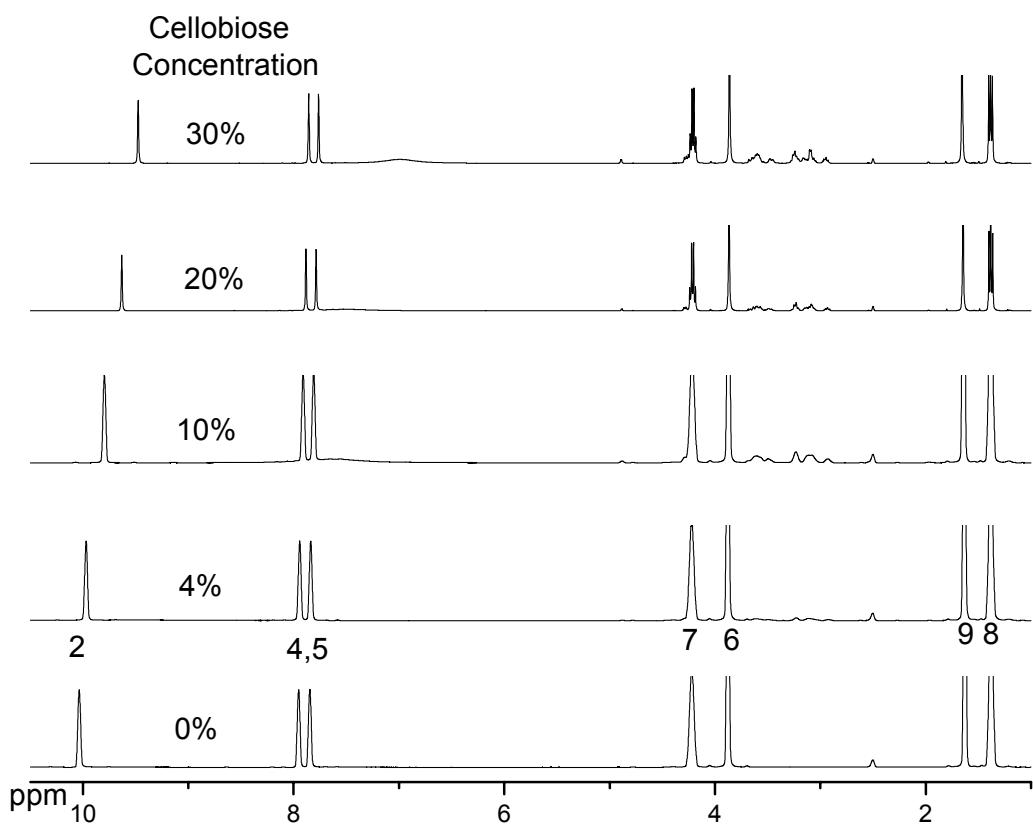


Fig. S2 The effect of increasing [cellobiose] on the ^1H -NMR spectra for EmimAc in DMSO- d_6 . (The bottom spectrum is neat EmimAc.)

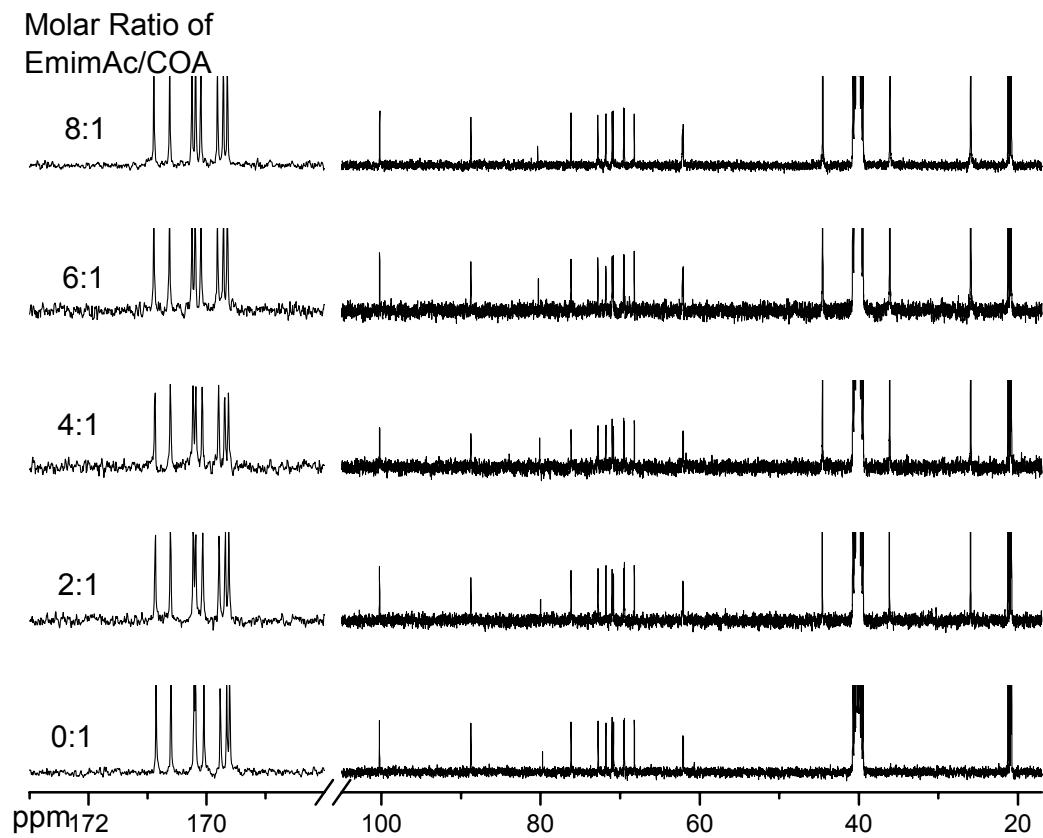


Fig. S3 Effect of molar ratios of EmimAc/COA on the ^{13}C -NMR spectra of COA in DMSO-d₆. (The bottom spectrum is the neat COA.)

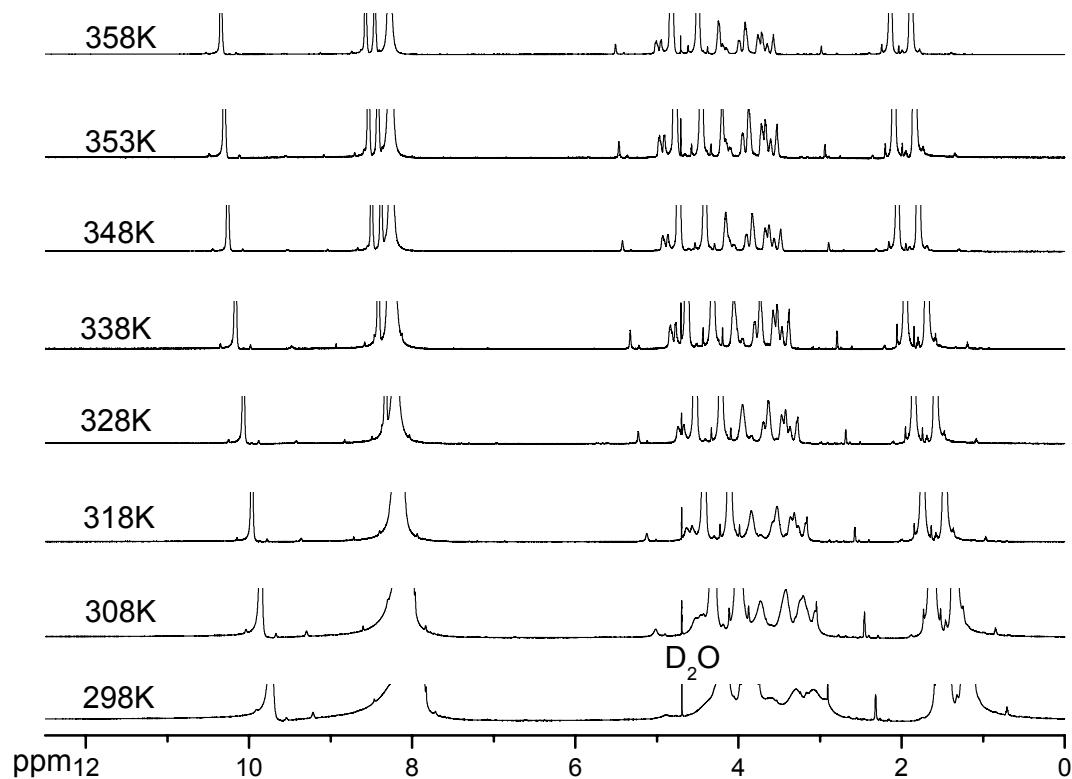


Fig. S4 Effect of temperature on the ¹H-NMR spectra for the cellobiose/EtOH solution containing 15% cellobiose, using D₂O as external standard.

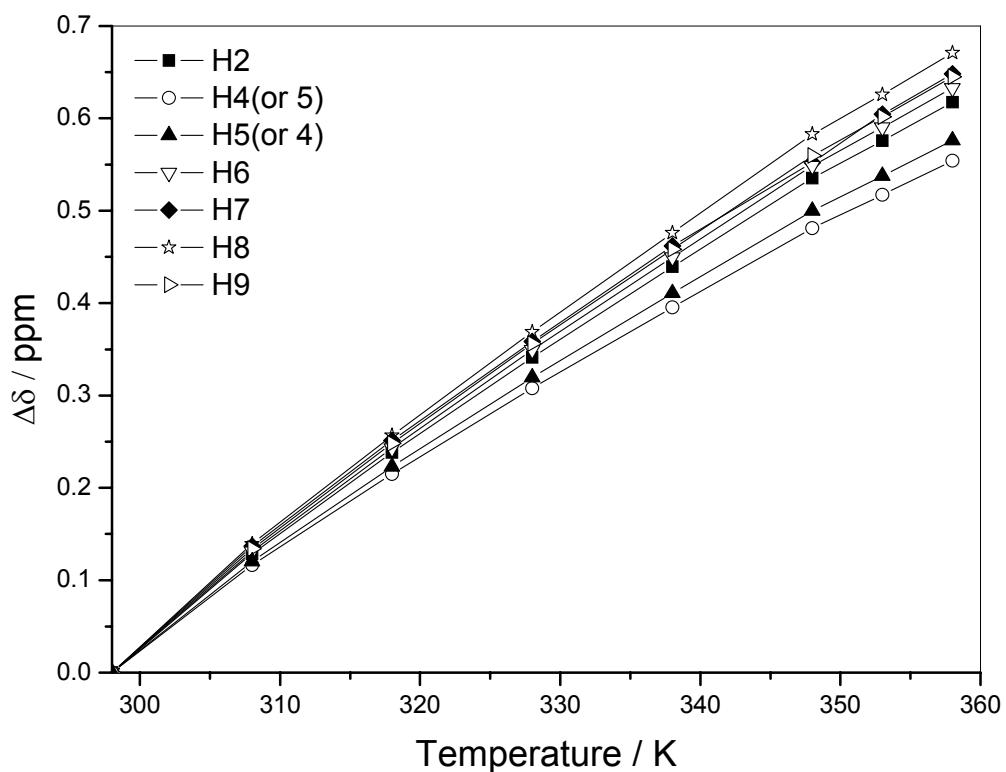


Fig. S5 Temperature-dependent chemical shift difference of protons of EmimAc in *in situ* ^1H -NMR for the cellobiose/EmimAc solution containing 15% cellobiose ($\Delta\delta = \delta - \delta_{\text{neat}}$).