

ELECTRONIC SUPPLEMENTARY INFORMATION FOR

Synthesis and physicochemical properties of acrylate anion based ionic liquids

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1. Rheological properties of acrylate-based mILs with BC

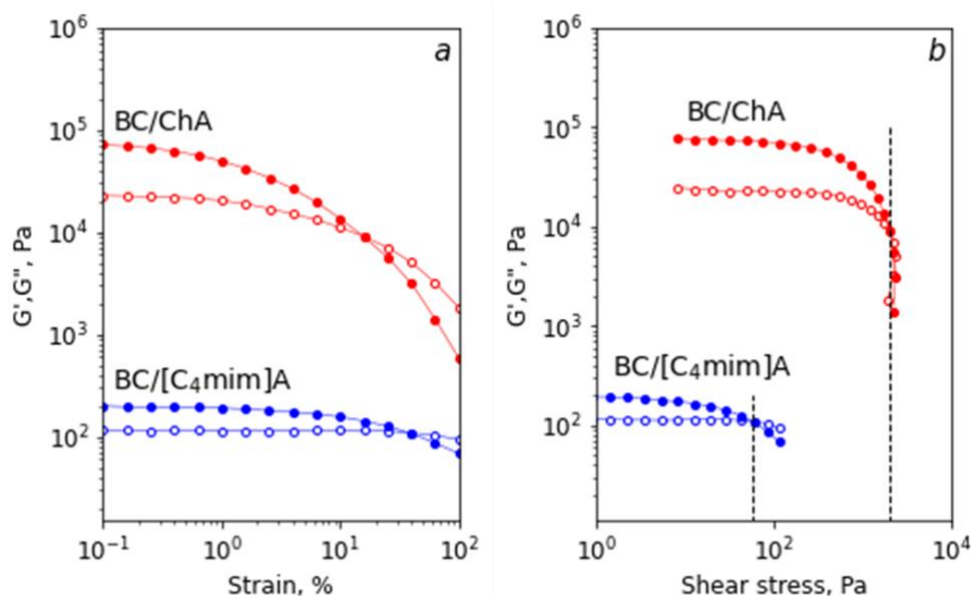


Figure S1. Storage (G' , filled symbols) and loss (G'' , hollow symbols) moduli as a function of strain (a) and shear stress (b) for BC/ChA and BC/[C4mim]A dispersions.

2. Structural study of mILs by ^1H NMR spectroscopy

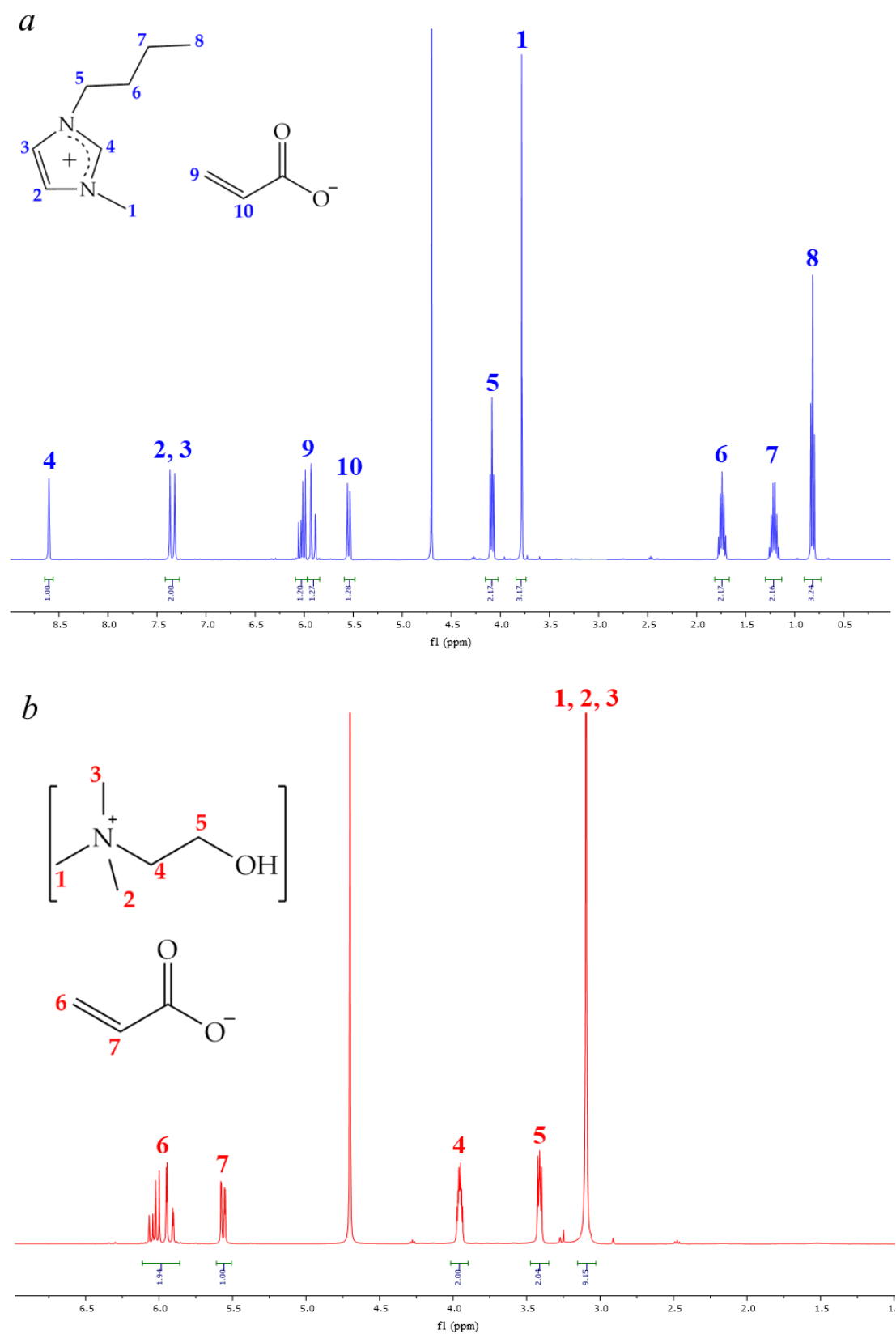


Figure S2. ^1H NMR spectra of the obtained mILs: [C4mim]A (a) and ChA (b); D_2O was used as a solvent.

3. Structural study of mILs by ^{13}C NMR spectroscopy

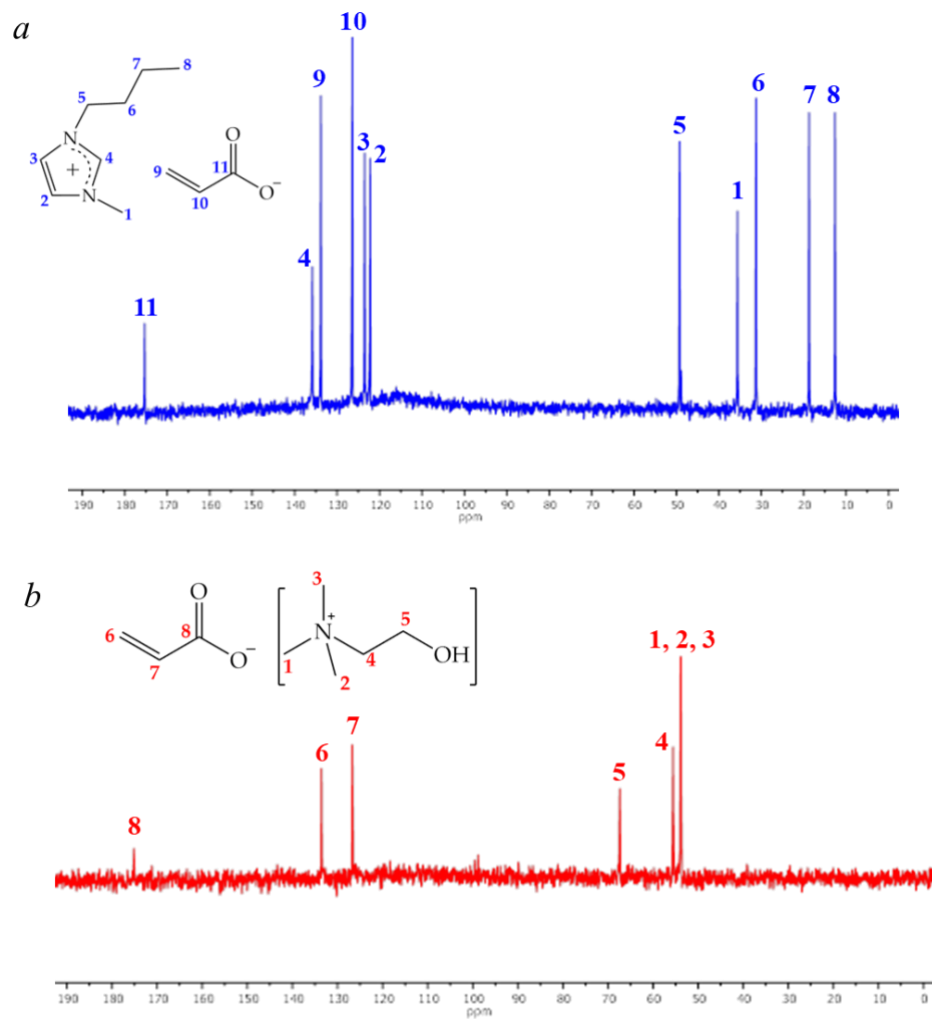


Figure S3. ^{13}C NMR spectra of the obtained mILs: [C₄mim]A (**a**) and ChA (**b**); D_2O was used as a solvent.

4. Study of mILs by mass spectrometry

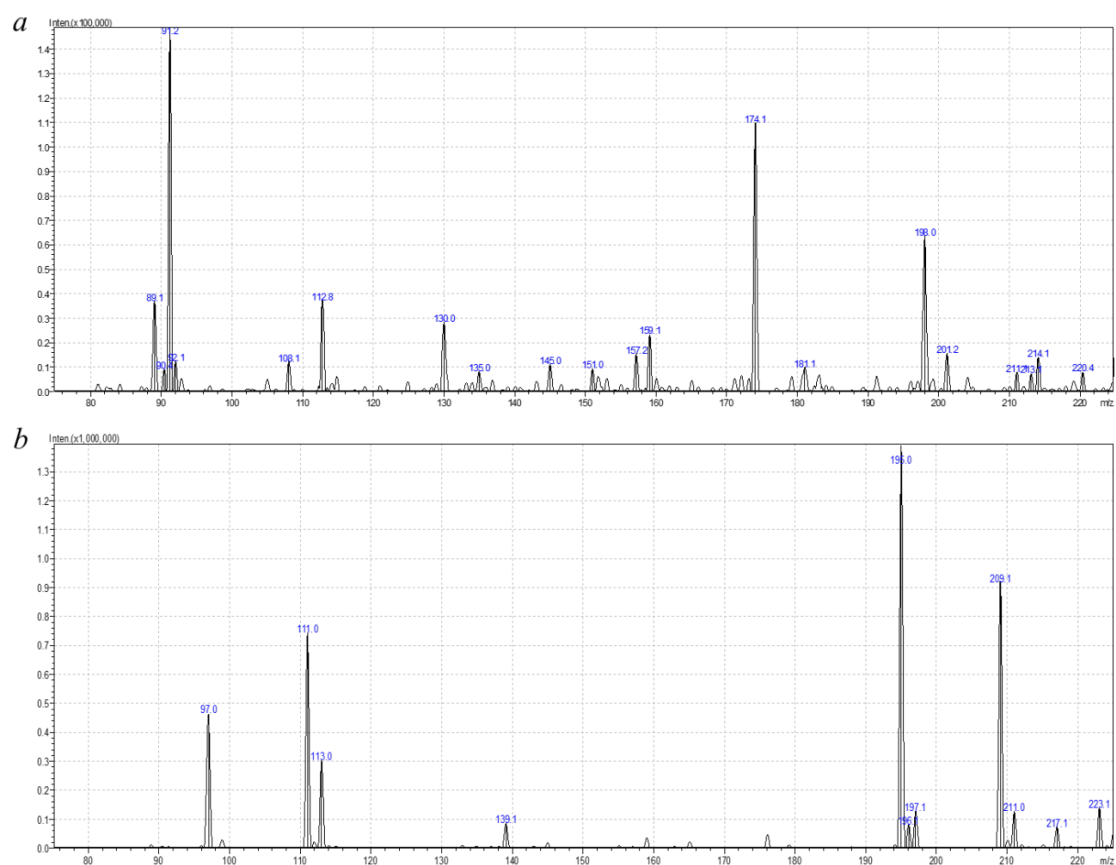


Figure S4. Electrospray mass spectra of [C₄mim]A (**a**) and ChA (**b**) in negative mode.