Study on the Growth of Wheat Seedlings Under Acetic acid ionic liquids [Cn mim][OAc](n=2,4,6)

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Section A  $^1$H NMR spectra

![1H NMR spectrum](image)

Fig. S1. $^1$H NMR spectrum $\delta_{1H}$ (300 MHz, DMSO) of [C$_2$mim][OAc]
Fig. S2. $^1$H NMR spectrum $\delta_H$ (300 MHz, DMSO) of [C$_4$ mim][OAc]

Fig. S3. $^1$H NMR spectrum $\delta_H$ (300 MHz, DMSO) of [C$_6$ mim][OAc]
Section B Thermal analysis

Calorimetric data were obtained with a differential scanning calorimeter DSC (Mettler-Toledo Co., Switzerland). The temperature range was –100-100 °C with heating rate of 10 °C·min⁻¹. Then samples were incubated at –100 °C for 5 min and were then heated to 100 °C.

Fig. S4. DSC thermogram of [C₂mim][OAc]

Fig. S5. DSC thermogram of [C₄mim][OAc]
**Fig. S6.** DSC thermogram of [C₆mim][OAc]