## **Supporting information**

## Effect of water and methanol on the dissolution and gelatinization of corn starch in [MMIM][(MeO)HPO<sub>2</sub>]

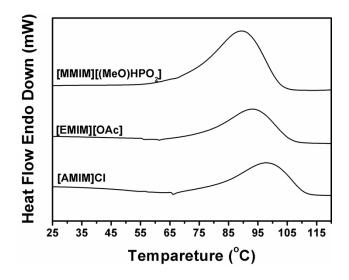
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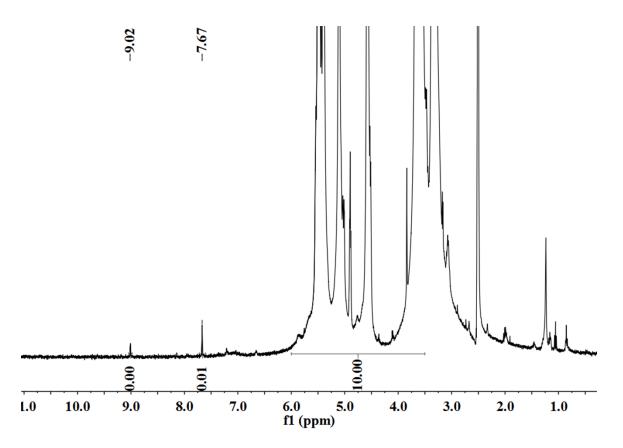
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**Figure S1.** DSC curves of corn starch in different ionic liquids. Aluminum crucibles are heated from 25 °C to 120 °C at scanning rate of 5 °C/min.

Ionic liquids	$T_o(^{\circ}C)$	$T_p(^{\circ}C)$	$T_e(^{\circ}C)$	∆H (J g <sup>-1</sup> )
[MMIM][(MeO)HPO <sub>2</sub> ]	70	90	103	14.02
[EMIM][OAc]	75	93	107	12.00
[AMIM]Cl	78	98	111	9.01
<sup><i>a</i></sup> $T_o$ : onset temperature; $T_p$ : peak temperature; $T_e$ : endset temperature; $\Delta H$ : transition				
enthalpy.				

Table S1. DSC data of 10 wt% corn starch in different ionic liquids.<sup>a</sup>



**Figure S2.** <sup>1</sup>H NMR spectrum of regenerated starch after dissolved in [MMIM][(MeO)HPO<sub>2</sub>] at 80 °C for 50 min.