

Dicationic Acidic Ionic Liquid† Fructose  
5-Hydroxymethylfurfural(HMF)

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Heteropoly acids, aluminosilicates zirconium phosphate fructose  
5-HMF  
aqueous/organic acidic ionic liquid biphasic 가  
[tetraEG(mim)<sub>2</sub>][LiNTf<sub>2</sub>]<sub>2</sub> IL dicationic acidic ionic liquid† biphasic  
fructose , NH<sub>3</sub> -adsorption, BET, XRD,  
FT-IR C-NMR  
(2009-0093816)