Electronic Supporting Information (ESI)

Glycol-Functionalized Ionic Liquids for High-Temperature Enzymatic Ring-Opening Polymerization

Hua Zhao,*¹ Lennox O. Afriyie,¹ Nathaniel E. Larm,² and Gary A. Baker²

¹ Department of Chemistry and Biochemistry, University of Northern Colorado, Greeley, CO 80639, USA
² Department of Chemistry, University of Missouri-Columbia, Columbia, MO 65211, USA

Figure S1. Thermogravimetric analysis of IL #1 (see Table 1).

* Corresponding author. Email: hua.zhao@unco.edu, or huazhao98@gmail.com
Figure S2. Thermogravimetric analysis of IL #2 (see Table 1).

Figure S3. Thermogravimetric analysis of IL #3 (see Table 1)
Figure S4. Thermogravimetric analysis of IL #4 (see Table 1).

Figure S5. Thermogravimetric analysis of IL #5 (see Table 1).
Figure S6. Thermogravimetric analysis of IL #6 (see Table 1).

Figure S7. Thermogravimetric analysis of IL #7 (see Table 1).
Figure S8. Thermogravimetric analysis of IL #8 (see Table 1).

Figure S9. Thermogravimetric analysis of IL #9 (see Table 1).
Figure S10. Thermogravimetric analysis of IL #10 (see Table 1).

Figure S11. Thermogravimetric analysis of [BMIM][Tf$_2$N] (IL #11 in Table 1).
Figure S12. Thermogravimetric analysis of [BMIM][PF$_6$] (IL #12 in Table 1).
Figure S13. Comparison of $M_w$, yield and PDI of poly(ε-lactide) in various ILs (based on data in Table 3; PDI values are listed in the graph).
Figure S14. Comparison of $M_w$, yield and PDI of poly(ε-caprolactone) in various ILs (based on data in Table 3; PDI values are listed in the graph).