Supplementary

Controlled Synthesis of Chiral Polymers for the Kinetic Resolution of Racemic Amino Acids

Na Li, Heng Wang, Jie Zhang and Xinhua Wan*
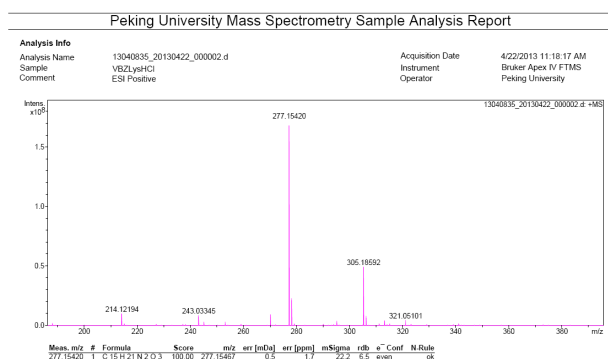
Supplementary Information

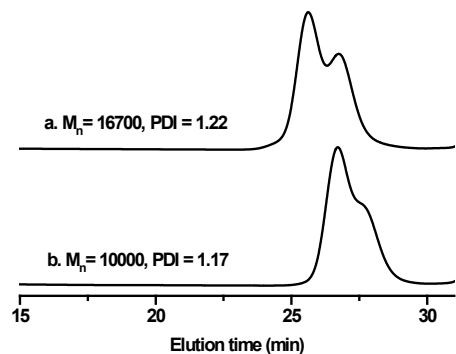**Fig. S1** The mass spectrum of VBZLysHCl obtained by ESI positive.

Fig. S2 Evolution of GPC trace of PVBZLysBoc mediated by CDB versus polymerization time, (a) 19h, (b) 12h. Experimental condition: [M]/[AIBN]/[CDB] = 200/1/3, 0.2 g in 0.2 mL of dioxane, at 70 °C.
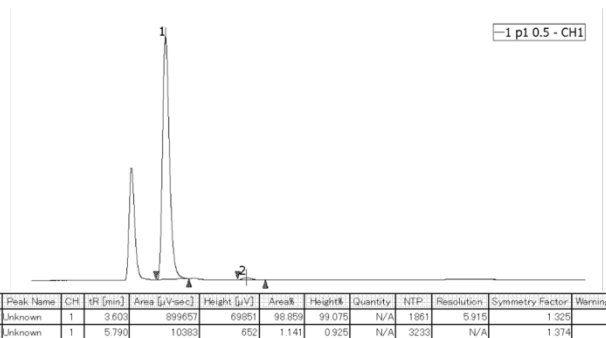

Fig. S3 Evolution of HPLC trace of the crystal Glu·HCl mediated by P1 at a fixed weight concentration of 0.5 wt% mentioned in Table 2. Peak 1 is corresponding to R-Glu·HCl, and peak 2 is corresponding to S-Glu·HCl.
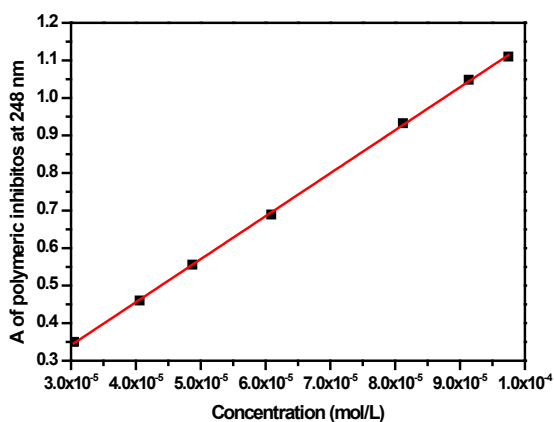

Fig. S4 The absorbance (A) of polymeric inhibitors *versus* concentrations at 248 nm in 5 M hydrochloric acid, and the extinction coefficient $\varepsilon_P^{248} = 11400$ L · mol^{-1} · cm^{-1}.
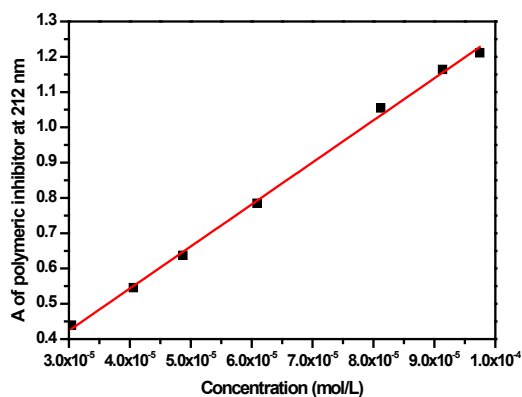

Fig. S5 The absorbance (A) of polymeric inhibitors *versus* concentrations at 212 nm in 5 M hydrochloric acid, and the extinction coefficient $\varepsilon_P^{212} = 11900$ L · mol^{-1} · cm^{-1}.
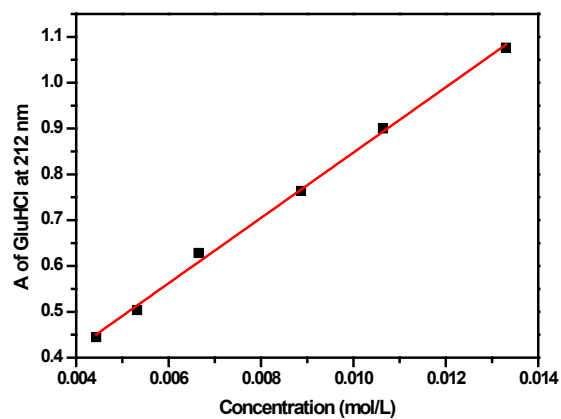
Fig. S6 The absorbance (A) of Glu·HCl *versus* concentrations at 212 nm in 5 M hydrochloric acid, and the extinction coefficient $\varepsilon_G^{212} = 71.3$ L · mol^{-1} · cm^{-1}.

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