Supporting Information

Figure S1  Concentration dependence of the chemical shift of the resonance peak of the amide proton of St-(L)-M (in CDCl₃) as a function of concentration.
Figure S2  $^1$H-NMR spectra of methanol-$d_4$/chloroform-$d$ solutions of monomer St-(L)-M (50mg/mL) with varying ratios of methanol-$d_4$ (vol%): (A), 0, (B), 5, (C), 10, (D), 20, (E), 30, (F), 40, (G), 100. The resonance peaks of the amide proton (CONH) are marked with downward arrows(↓), while those of the solvent are marked with asterisks (*)
Figure S3 $^1$H NMR spectra of DMSO-$d_6$/chloroform-$d$ solutions of St-(L)-M (50 mg/mL) with varying ratios of DMSO-$d_6$ (vol %): (A) 0, (B) 15, (C) 30, (D) 50, (E) 70, and (E) 100. The resonance peaks of the amide (HNCO) protons are respectively marked with asterisks (*).

Figure S4 CD spectra of St-(L)-B and PSt-(L)-B in methanol or chloroform at 25 °C with a concentration of $2.0 \times 10^{-5}$ mol/L.
Figure S5 Temperature dependence of CD spectra of PSt-(L)-M in chloroform solution at a concentration of $2 \times 10^{-5}$ mM