

Electronic Supplementary Information:

Further enhancement of macroscopic NLO coefficient of hyperbranched polymer by enhancing the degree of branching

Wenbo Wu,^a and Zhen Li*^a

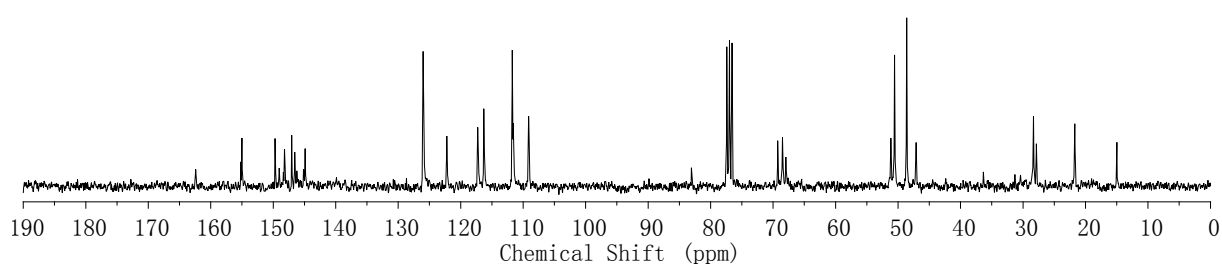


Fig. S1 ¹³C NMR spectrum of AB₄-type monomer **M1** in chloroform-*d*.

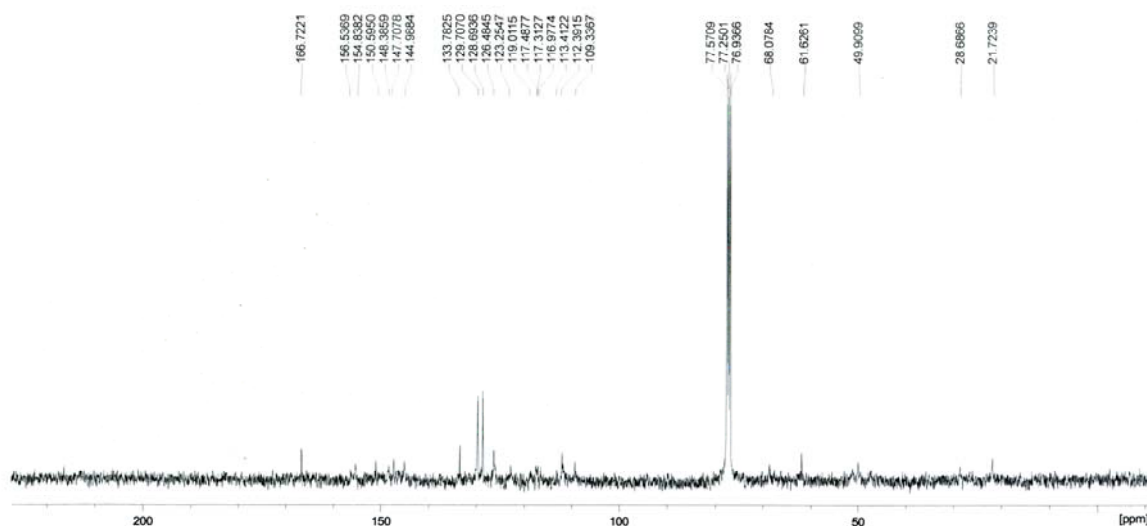


Fig. S2 ¹³C NMR spectrum of **HP1** in chloroform-*d*.

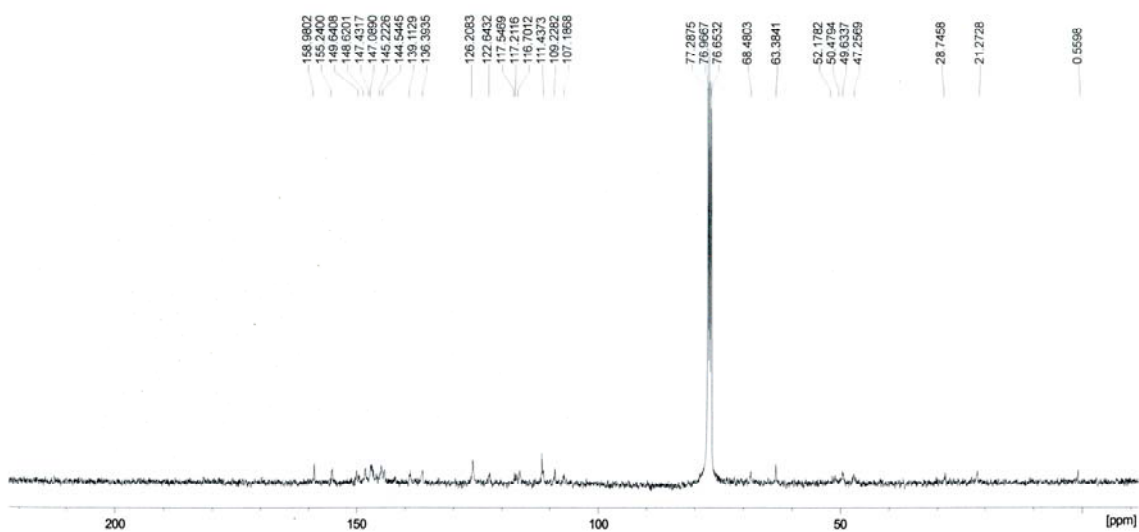


Fig. S3 ^{13}C NMR spectrum of **HP2** in chloroform-*d*.

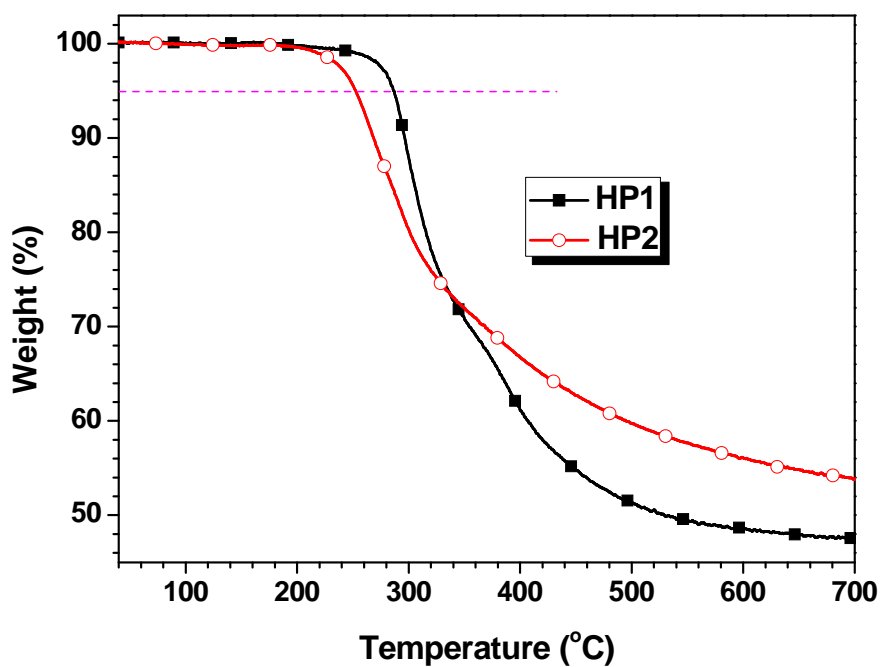


Fig. S4 TGA thermograms of hyperbranched polymers, measured in nitrogen at a heating rate of $10\text{ }^{\circ}\text{C}/\text{min}$.

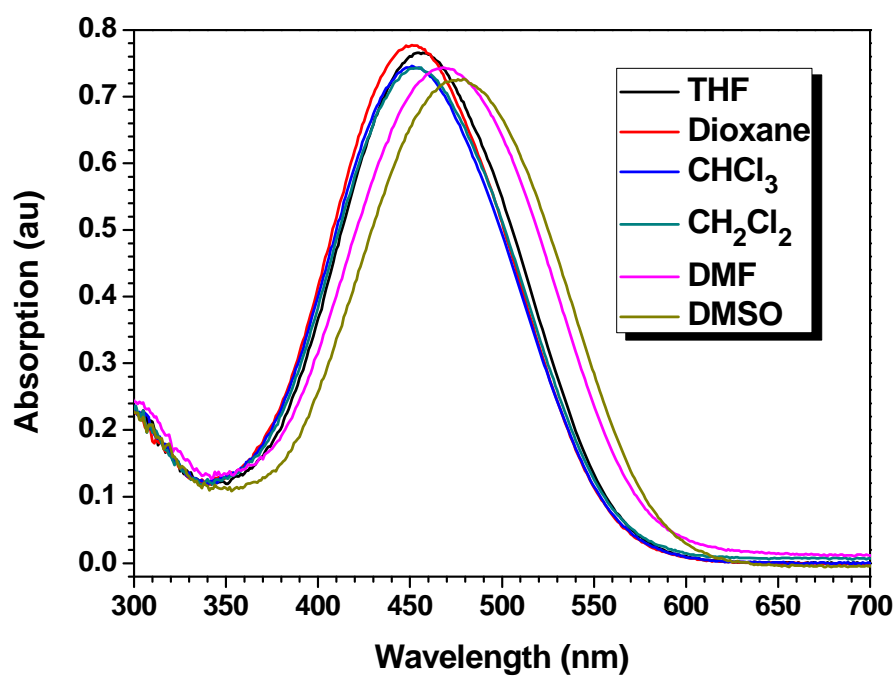


Fig. S5 UV-Vis spectra of **HP1** in different solutions. (0.02 mg/mL).

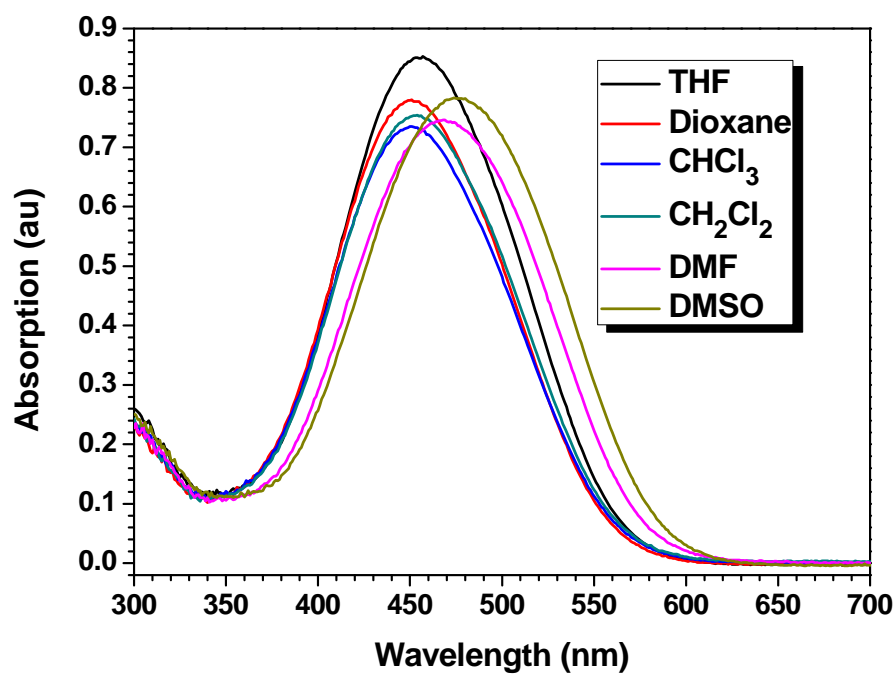


Fig. S6 UV-Vis spectra of **HP2** in different solutions. (0.02 mg/mL).

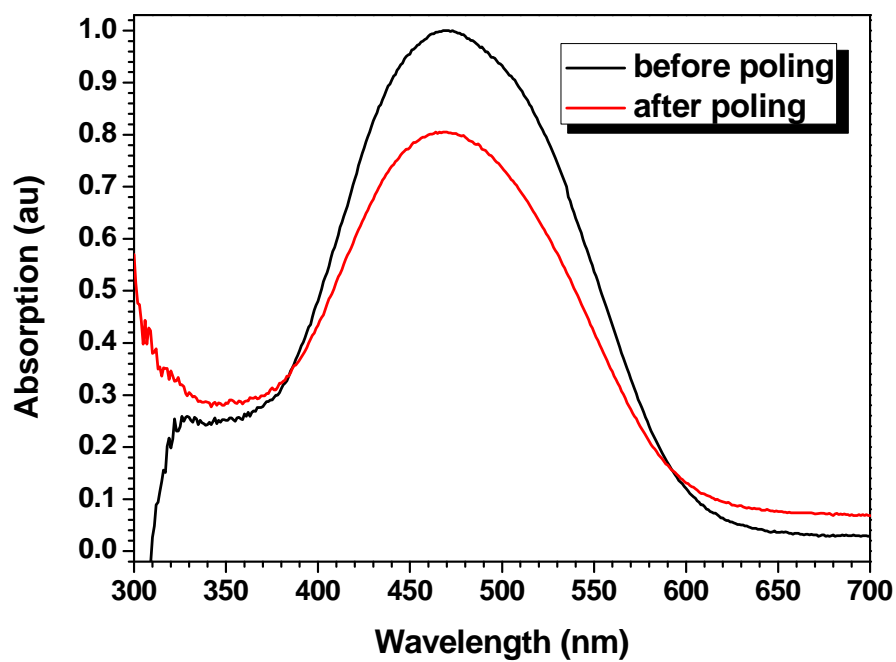


Fig. S7 Absorption spectra of the film of **HP1** before and after poling.

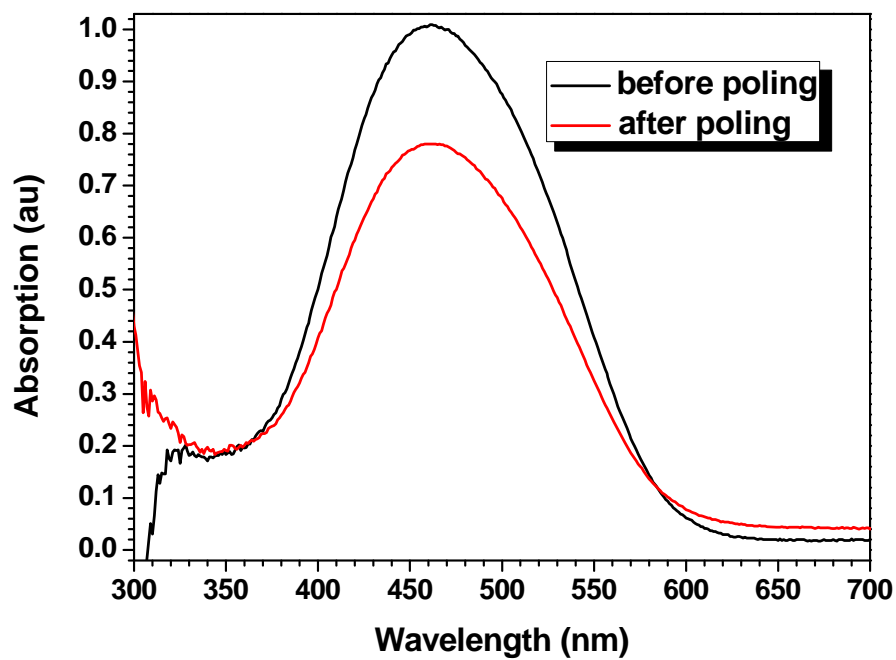


Fig. S8 Absorption spectra of the film of **HP2** before and after poling.

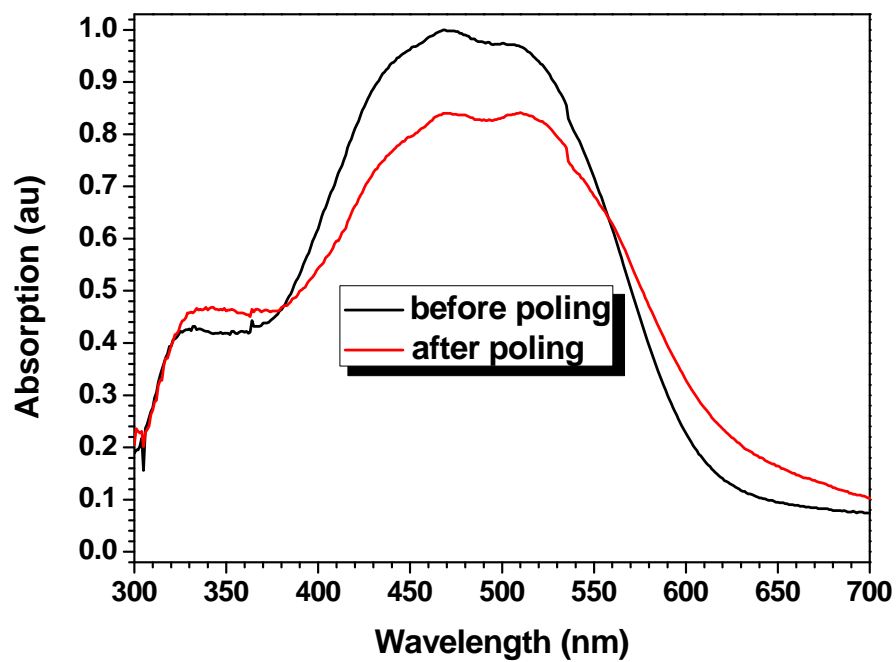


Fig. S9 Absorption spectra of the film of **HPS1** before and after poling.