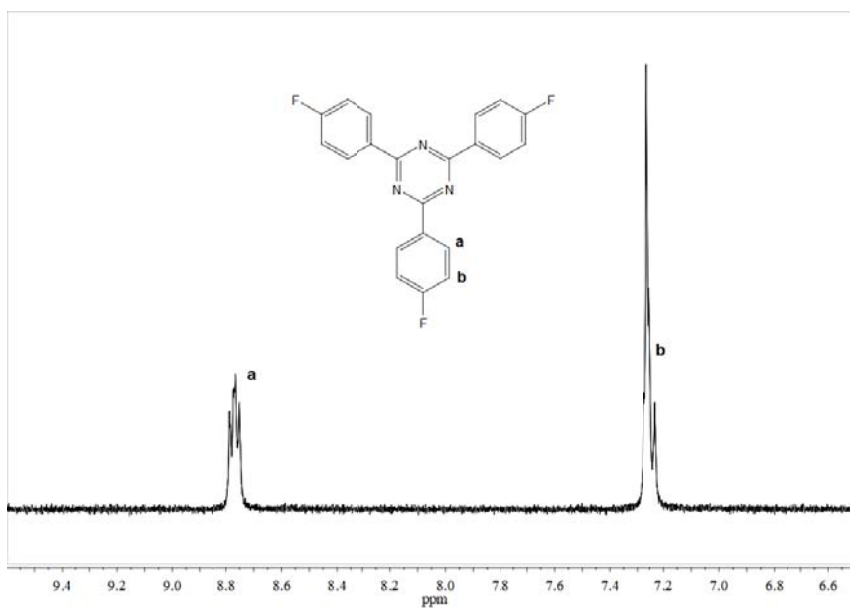
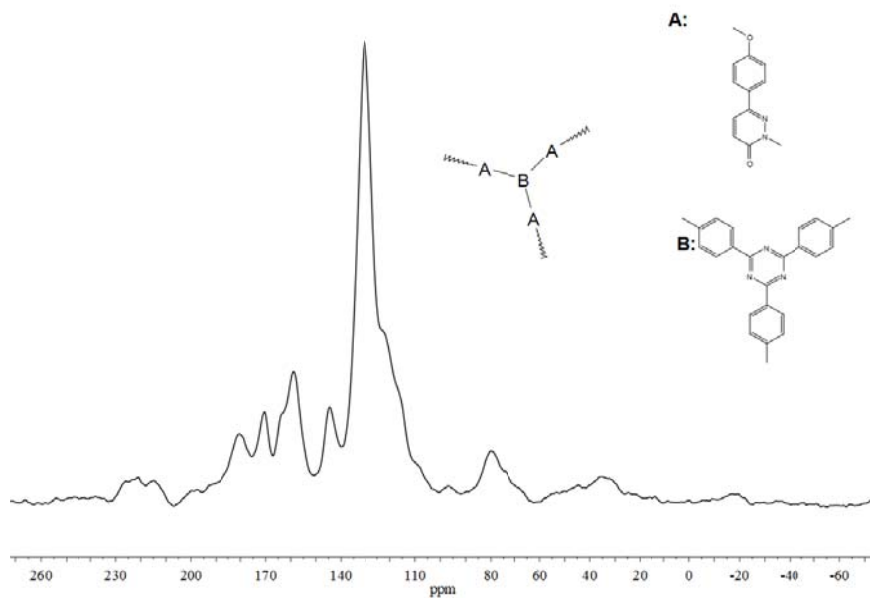


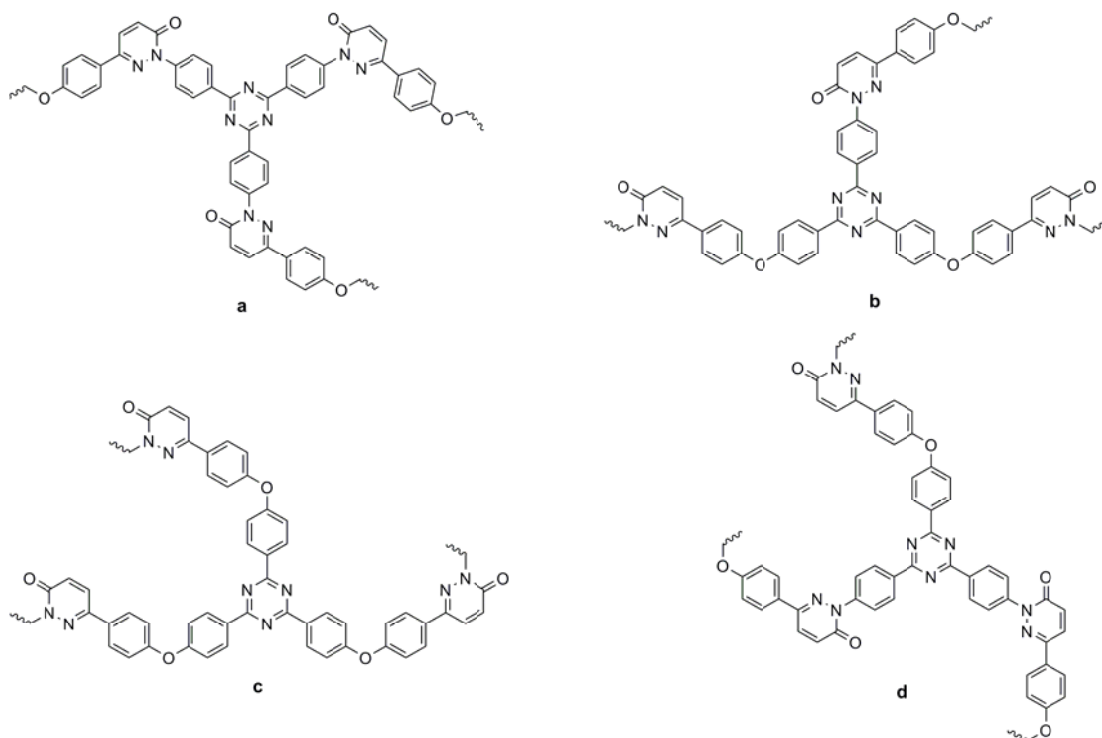
**Figure S1.** FTIR spectra for polymer (a), and TFPT (b).



**Figure S2.** <sup>1</sup>H NMR spectrum for TFPT.



**Figure S3.** Solid  $^{13}\text{C}$  NMR spectrum for the polymer.



**Scheme S1.** Chemical formula of the cross-linked polymer.