

Supporting Information

Photoswitchable aggregation-induced emission polymer containing dithienylethene and tetraphenylethene moieties

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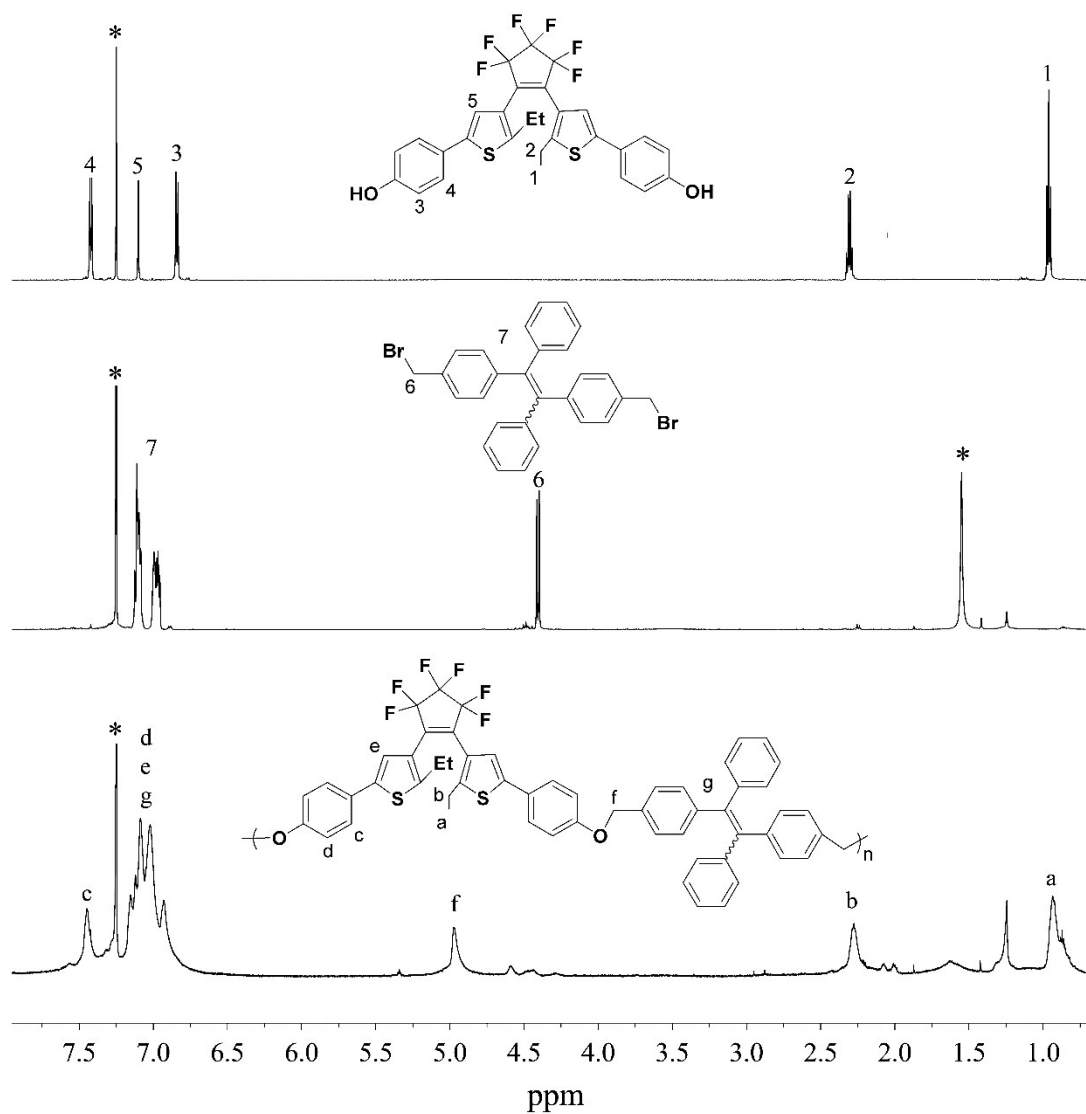


Fig. S1 ^1H NMR spectra of the monomers and prepared polymer in CDCl_3

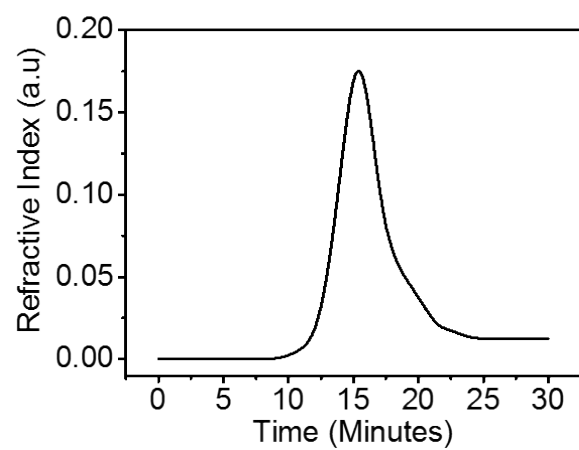


Fig. S2 GPC trace of prepared AIE active polymer (PDI=2.2, M_n =9000)

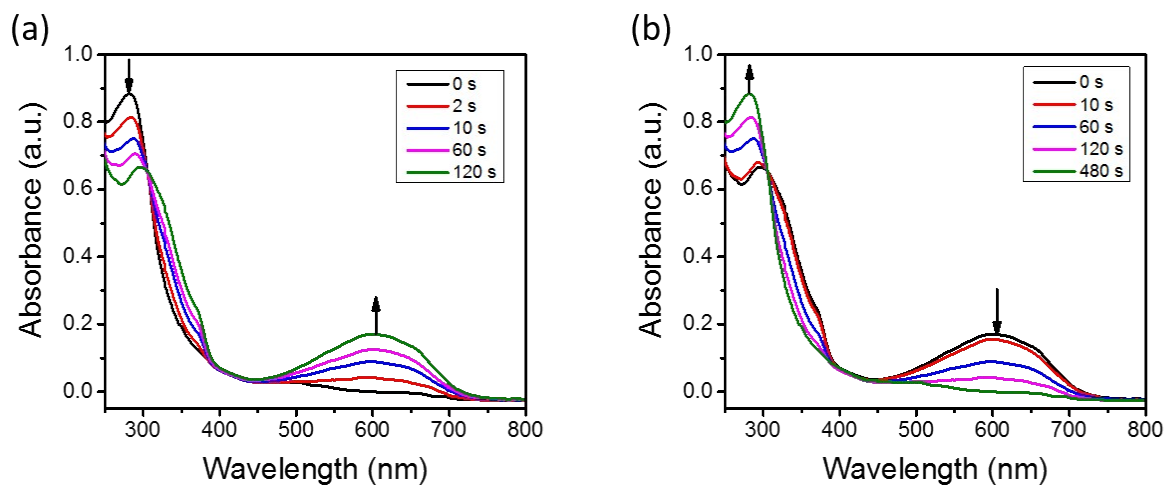


Fig. S3 UV-Vis spectra of AIE polymer in CHCl_3 (a) DTE in open form upon irradiation with 300 nm UV light, (b) DTE in closed form upon irradiation with 620 nm visible light.

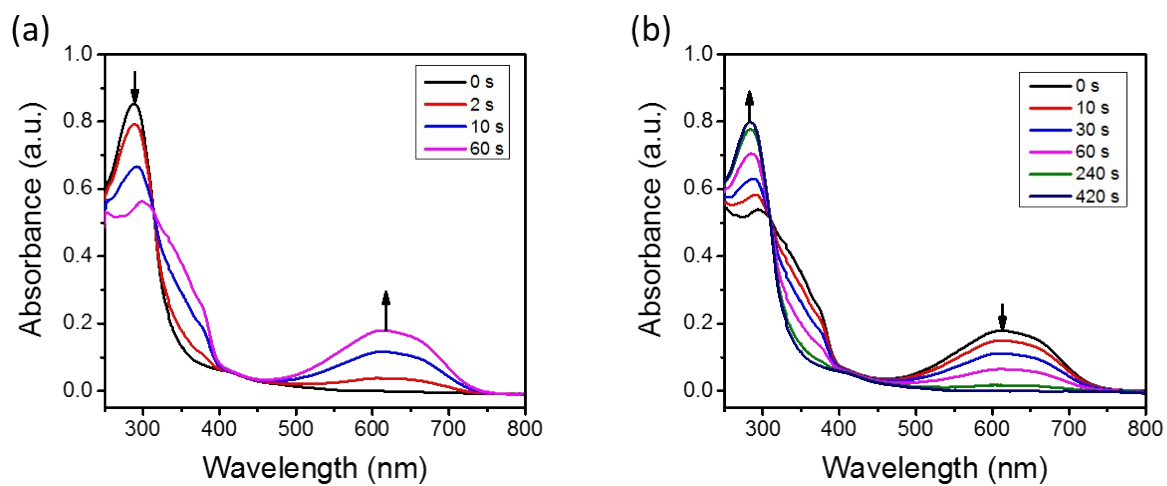


Fig. S4 UV-Vis spectra of AIE polymer in DMF (a) DTE in open form upon irradiation with 300 nm UV light, (b) DTE in closed form upon irradiation with 620 nm visible light.

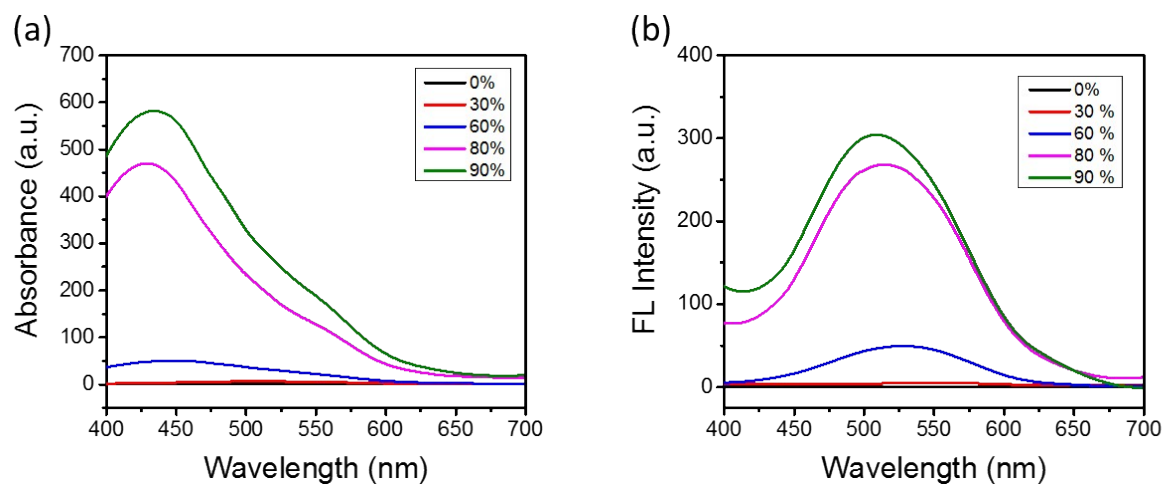


Fig. S5 Fluorescence spectra of the AIE polymer in (a) CHCl_3 –hexane mixtures, (b) DMF–water mixtures (excitation at 380 nm).