

Electronic Supplementary Information (ESI) for

**Influence of Molecular Weight on the Aggregation-Induced Emission
Enhancement and Spectral Stability of Vinyl Polymers Containing
the Fluorescent 2,4,6-Triphenylpyridine Pendant Groups**

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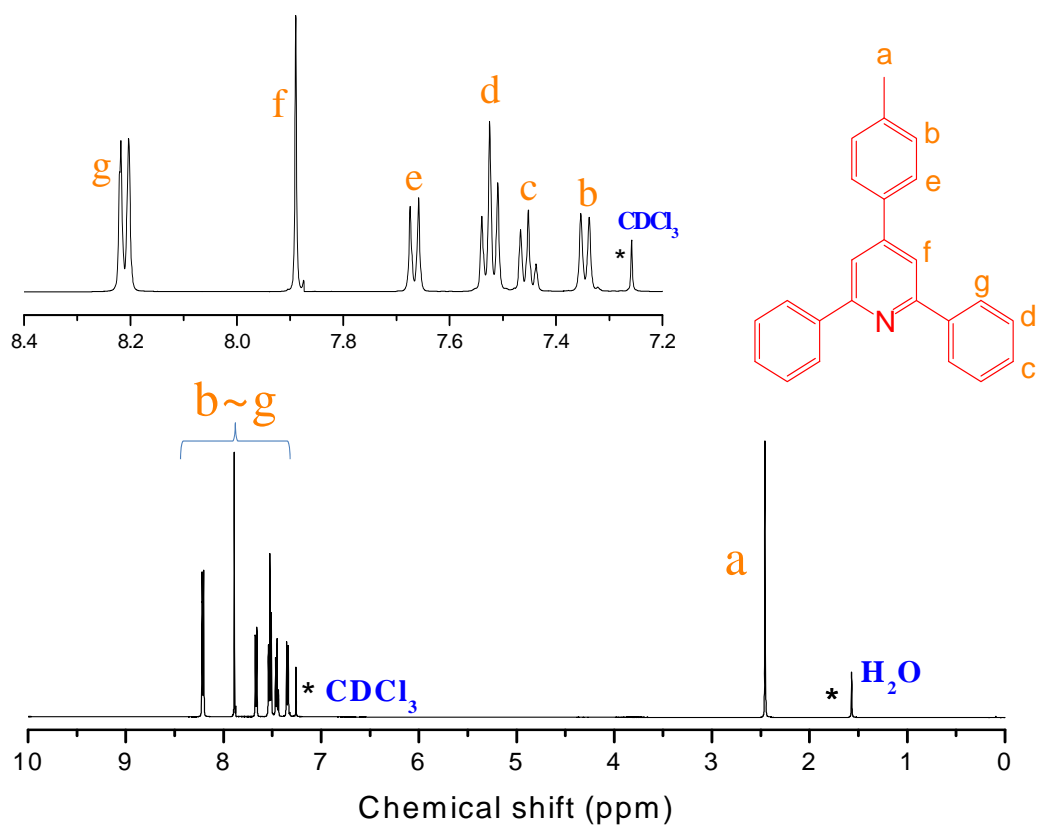


Fig. S1. ^1H NMR spectrum of DTP (CDCl_3).

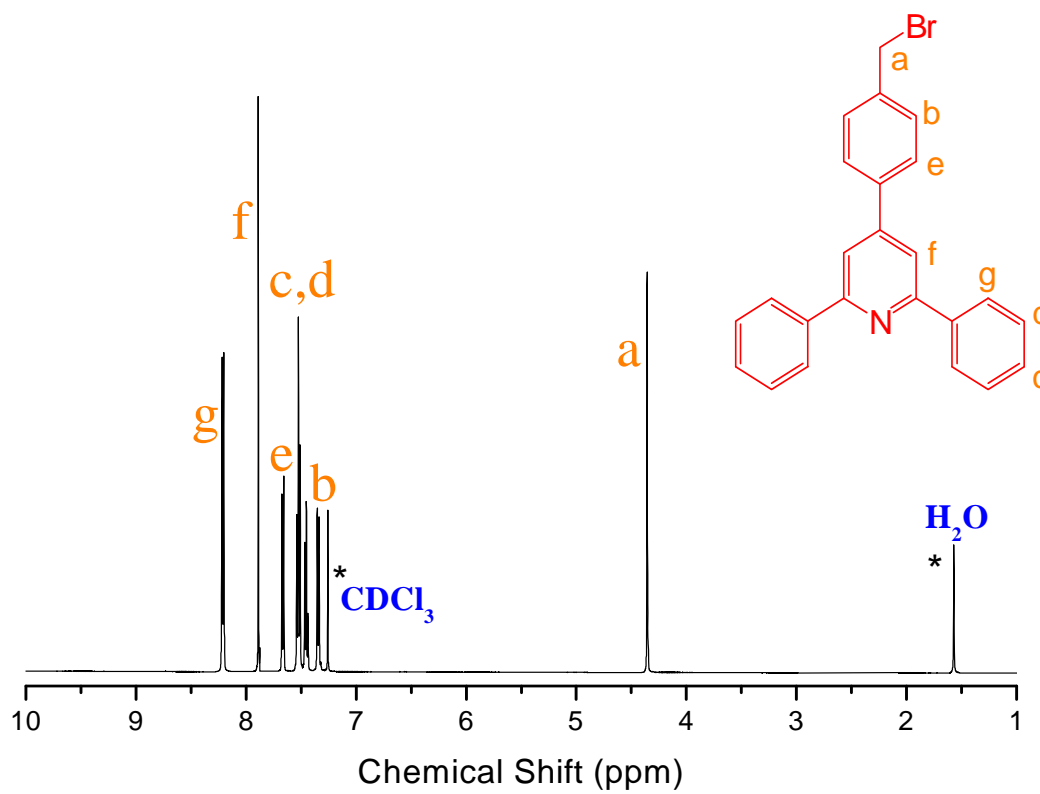


Fig. S2. ^1H NMR spectrum of BPDP (CDCl_3).

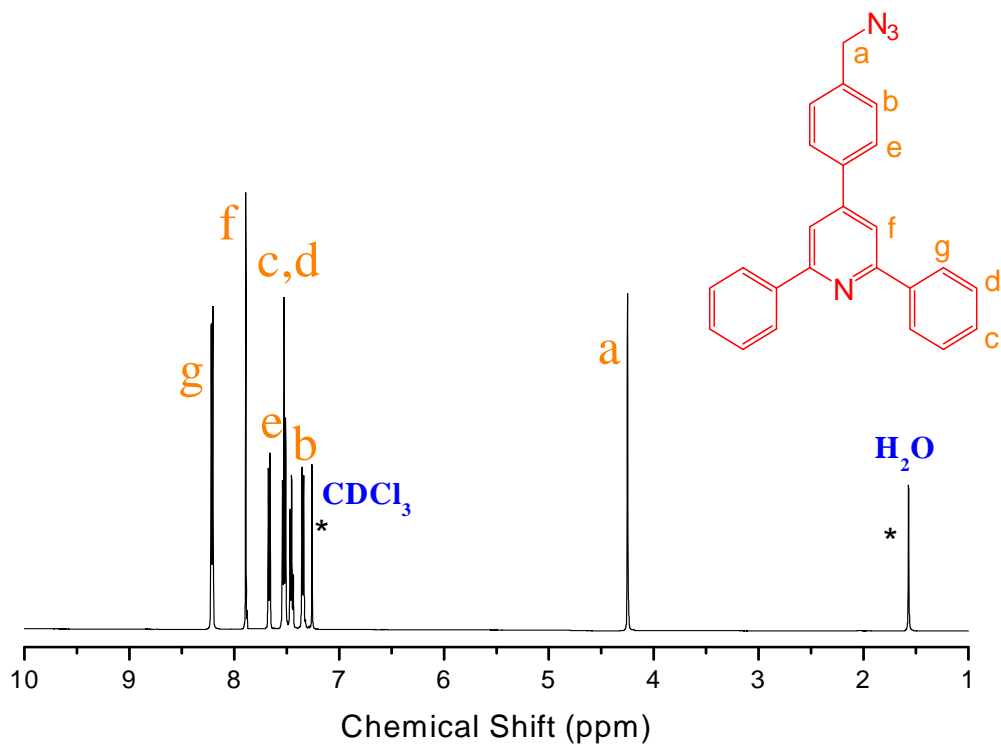


Fig. S3. ^1H NMR spectrum of APDP (CDCl_3).

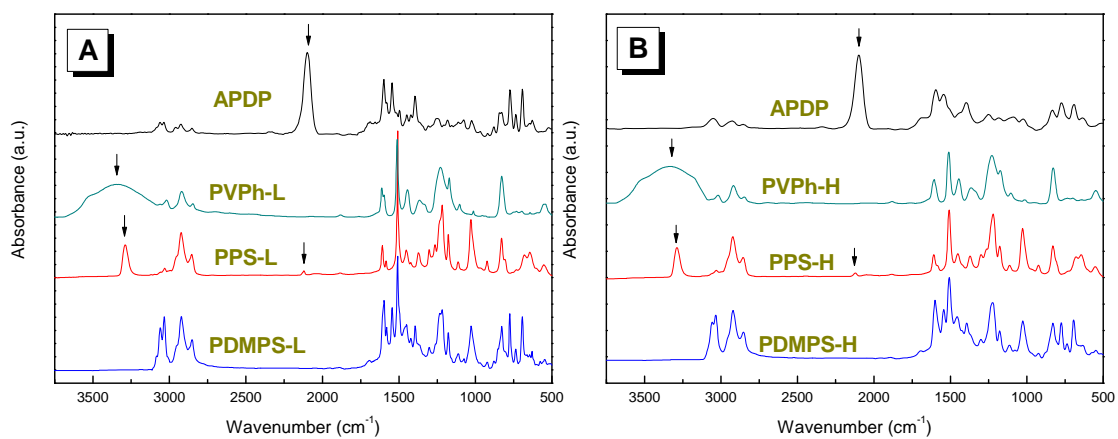


Fig. S4. FT-IR spectra of APDP, PVPh, PPS and PDMPS samples of the low (left) and the high (right) Mw analogues. .

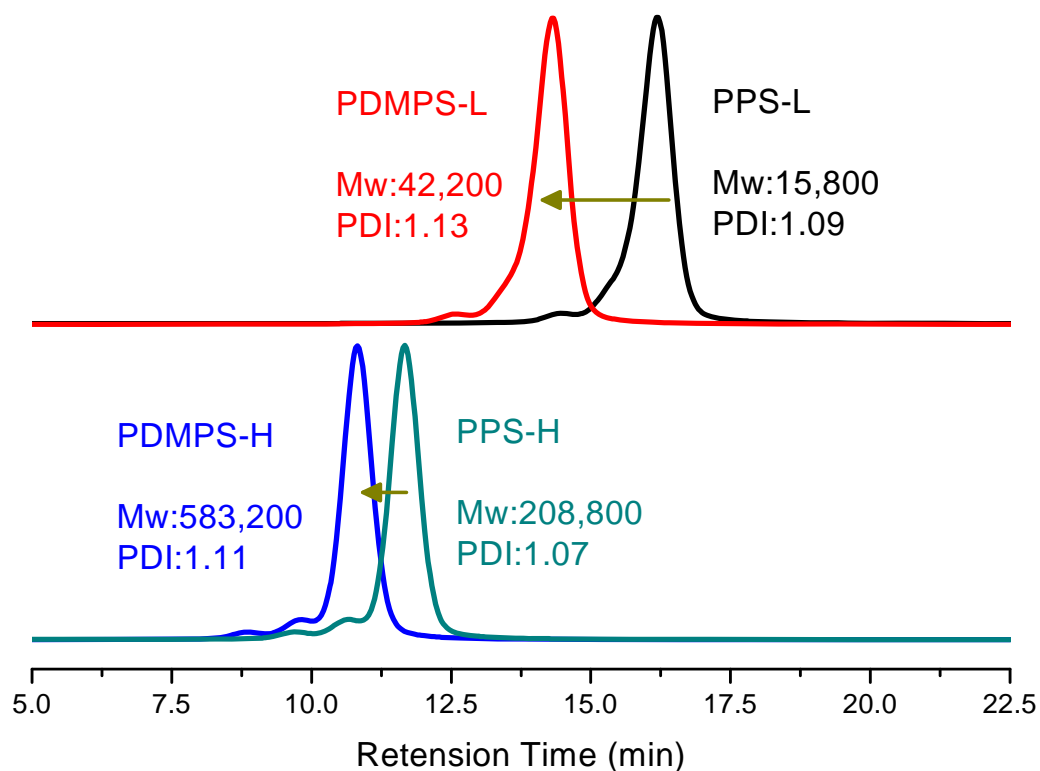


Fig. S5. GPC elution curves of high and low M_w PPS and PDMP-S (eluent: THF; elution rate: 0.6 mL/min).

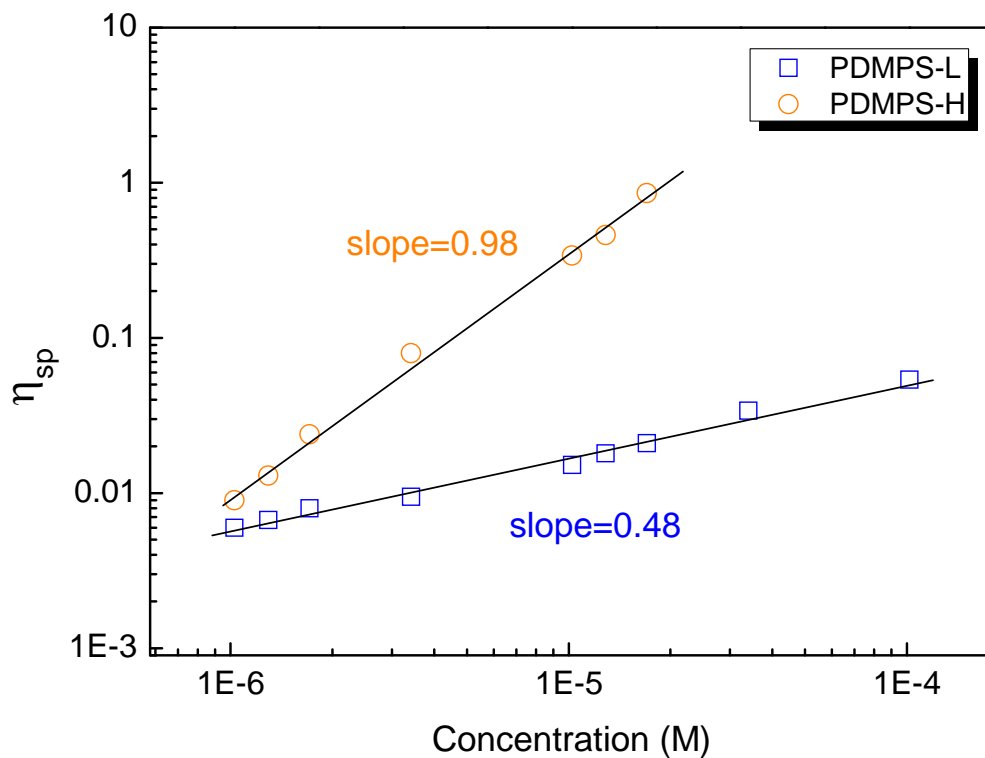


Fig. S6. Specific viscosity (η_{sp}) of PDMP-S-L and -H with different concentrations in THF.

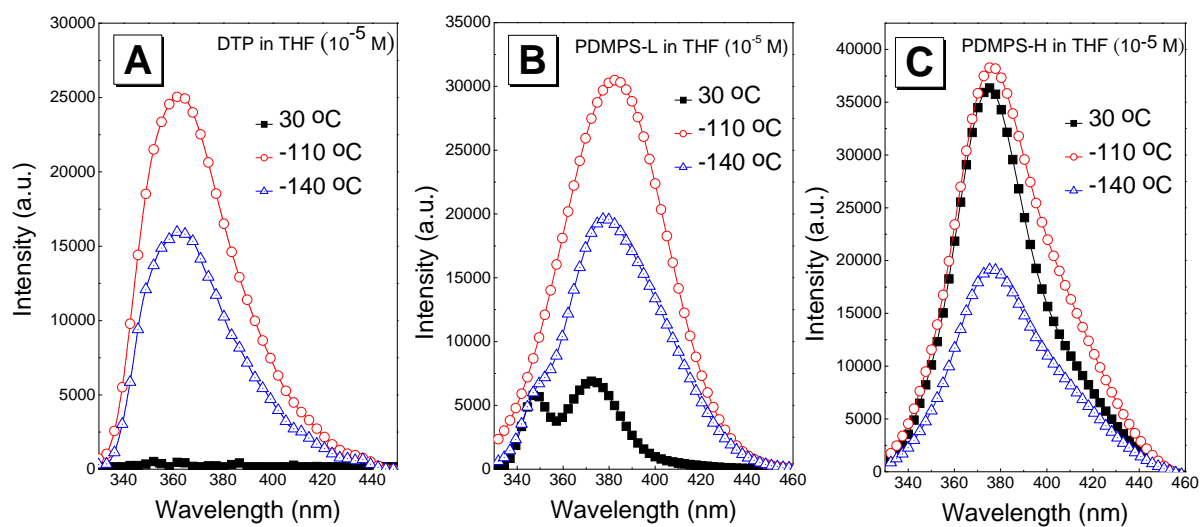


Fig. S7. Solution (10^{-5} M) emission spectra of A) DTP, B) PDMPS-L and C) PDMPS-H in THF at reduced temperatures.

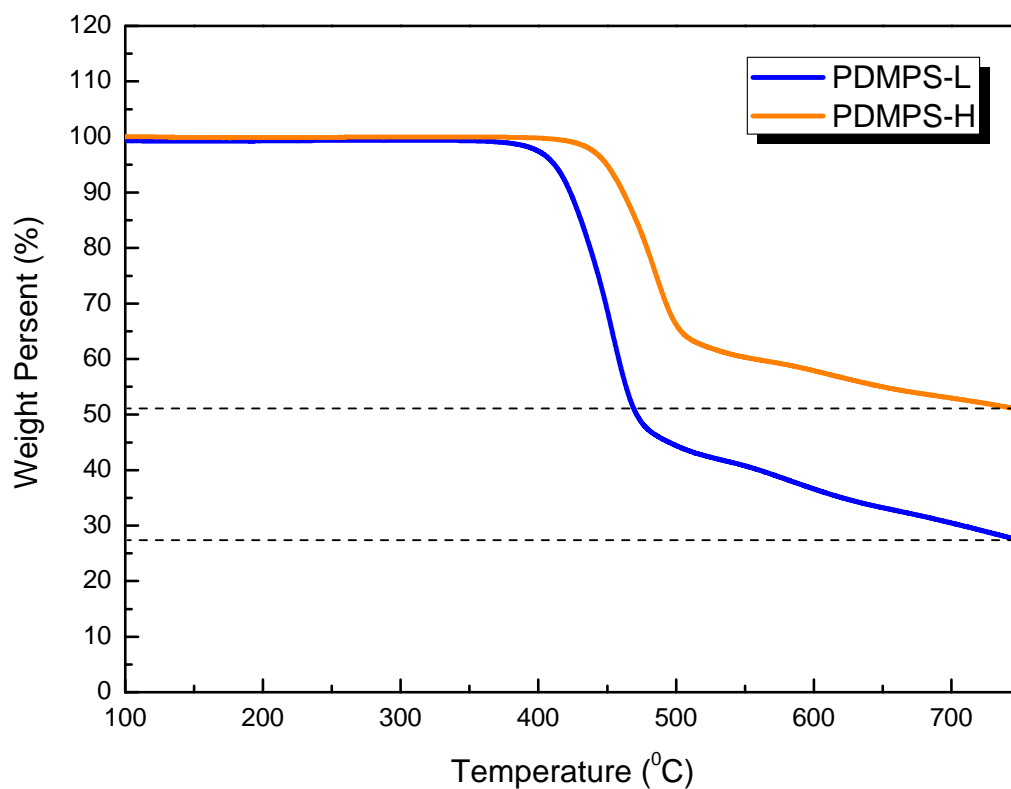


Fig. S8. TGA thermograms of PDMPS-L and -H (heating rate of 20 $^{\circ}$ C/min).

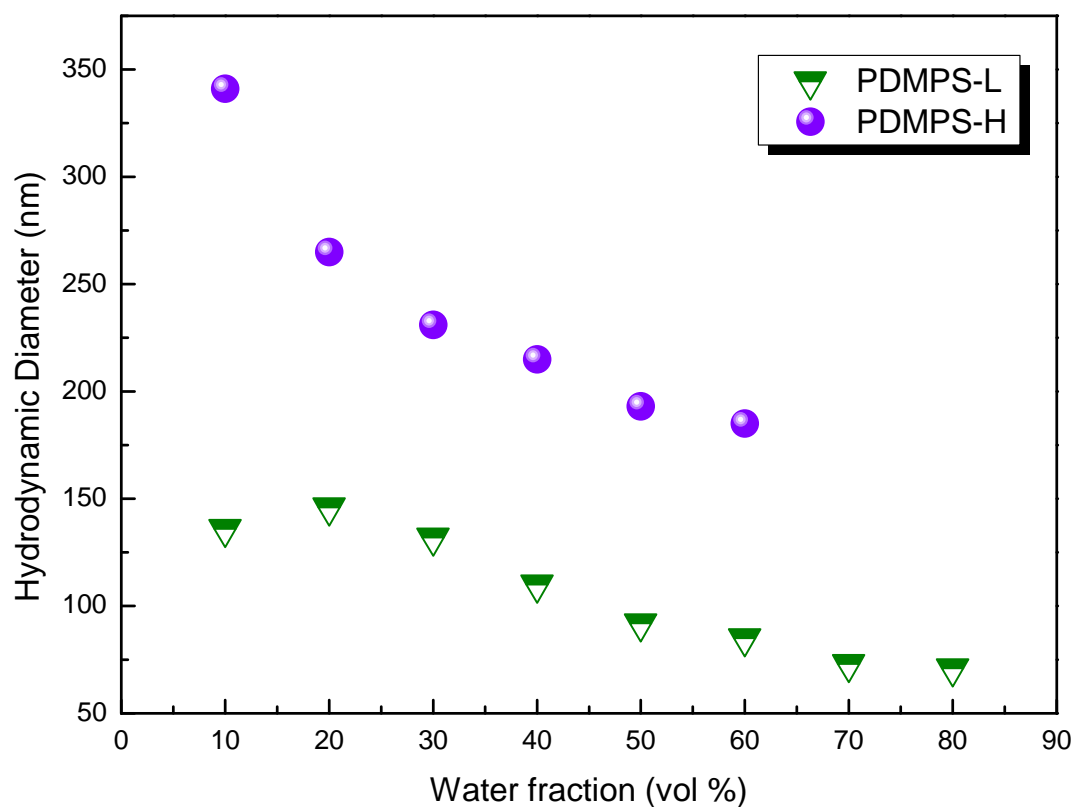


Fig. S9. Average hydrodynamic diameter (D_h) for the dilute (10^{-5} M) solutions of PDMPS-L and -H in THF/water solvent mixtures of varied compositions.

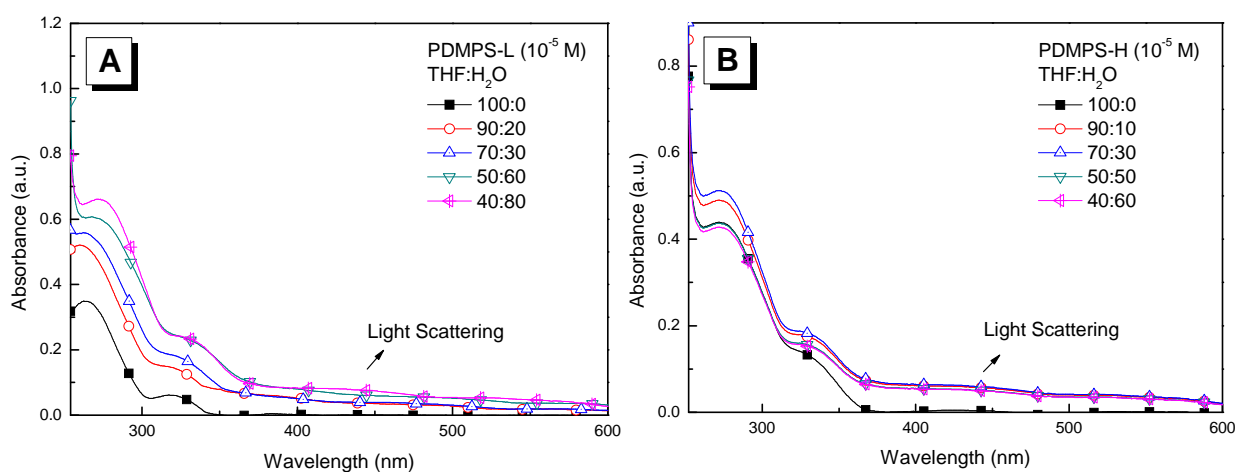


Fig. S10. Solution UV-vis absorption spectra of (A) PDMPS- and (B) PDMPS- (10^{-5} M) in THF/water mixtures with varied compositions.