Supporting Information for:

Organogels fabricated from self-assembled nanotubes containing Core substituted Perylene diimide derivative.

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Characterization

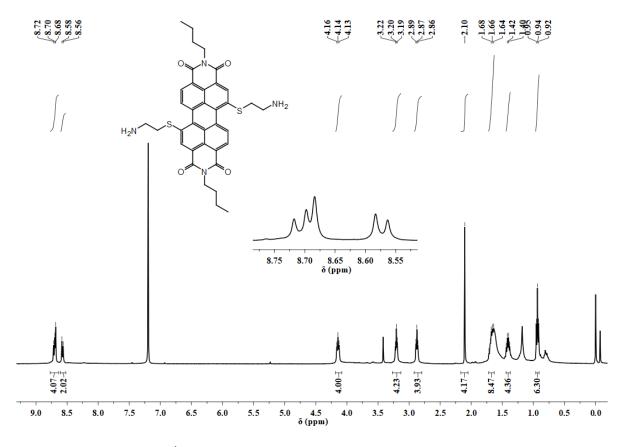


Figure S1. ¹H NMR (400 MHz, CDCl₃) spectrum of cys-PDI-cys.

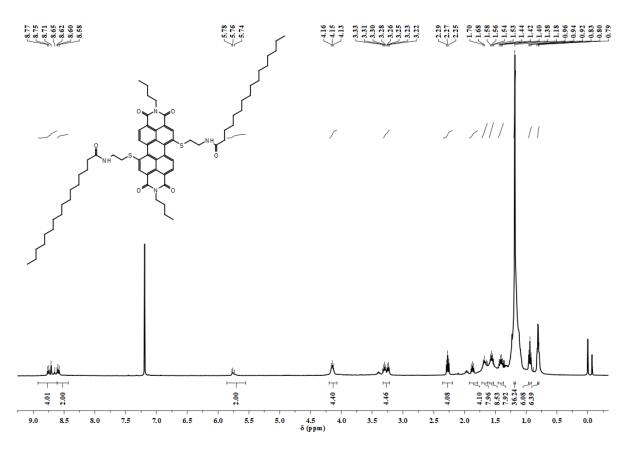


Figure S2. ¹H NMR (400 MHz, CDCl₃) spectrum of PDI-1.

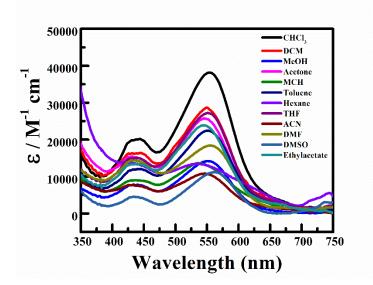


Figure S3. Absorption spectra of **PDI-1** in different organic solvents $(5\mu M)$.

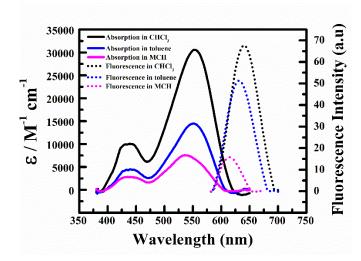


Figure S4. Absorption and fluorescence spectra of **PDI-1** in CHCl₃, toluene and MCH $(5\mu M)$.

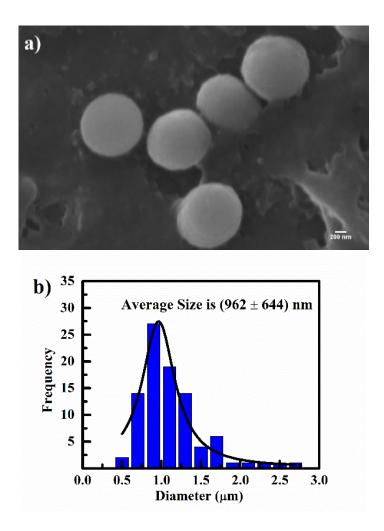


Figure S5. a) SEM image of **PDI-1** spherical aggregates in hexane $(10\mu M)$, and b) Size distribution histogram of vesicle diameter.

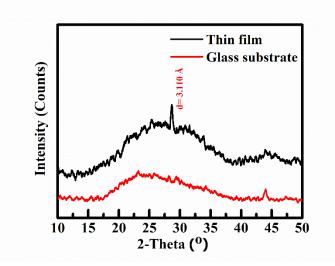


Figure S6. XRD patterns of spherical aggregates of PDI-1 in hexane solution $(10\mu M)$.

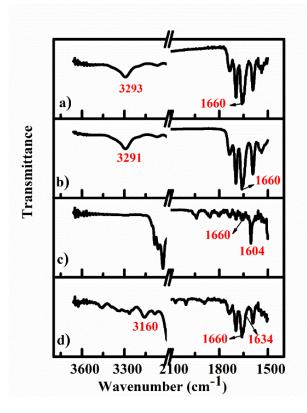


Figure S7. IR spectra of PDI-1 in a) hexane and b) CHCl₃. IR spectra of organogels of c) toluene, and d) MCH.

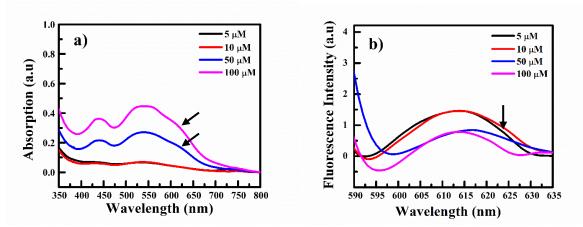


Figure S8. a) Absorption spectra and b) Fluorescence spectra of **PDI-1** in hexane in different concentrations ($5\mu M$, $10\mu M$, $50\mu M$, and $100\mu M$).

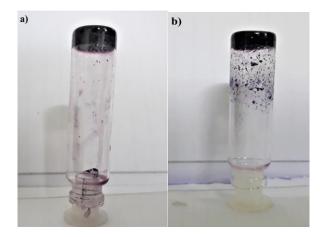
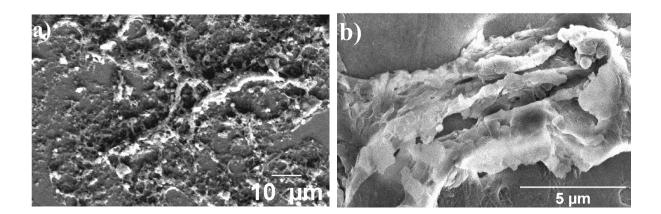


Figure S9. PDI-1 organogels of a) toluene and b) MCH.



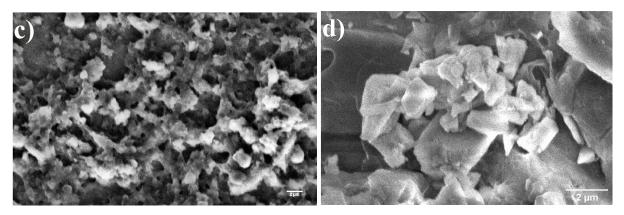


Figure S10. SEM images of xerogel of a) MCH, scale bar $10\mu m$, b) toluene, scale bar $5\mu m$, c) MCH, scale bar $2\mu m$ and d) toluene, scale bar $2\mu m$

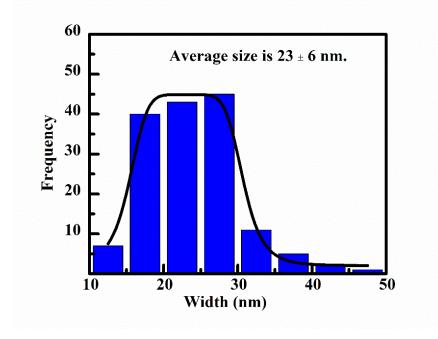


Figure S11. Size distribution histogram of nanotubes from toluene xerogel.

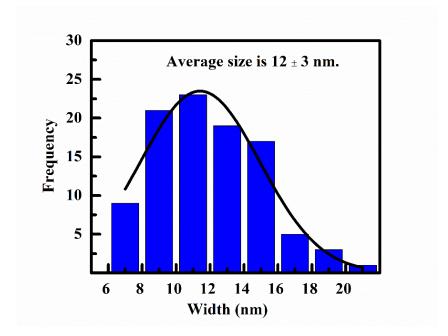


Figure S12. Size distribution histogram of nanofibers from MCH xerogel.