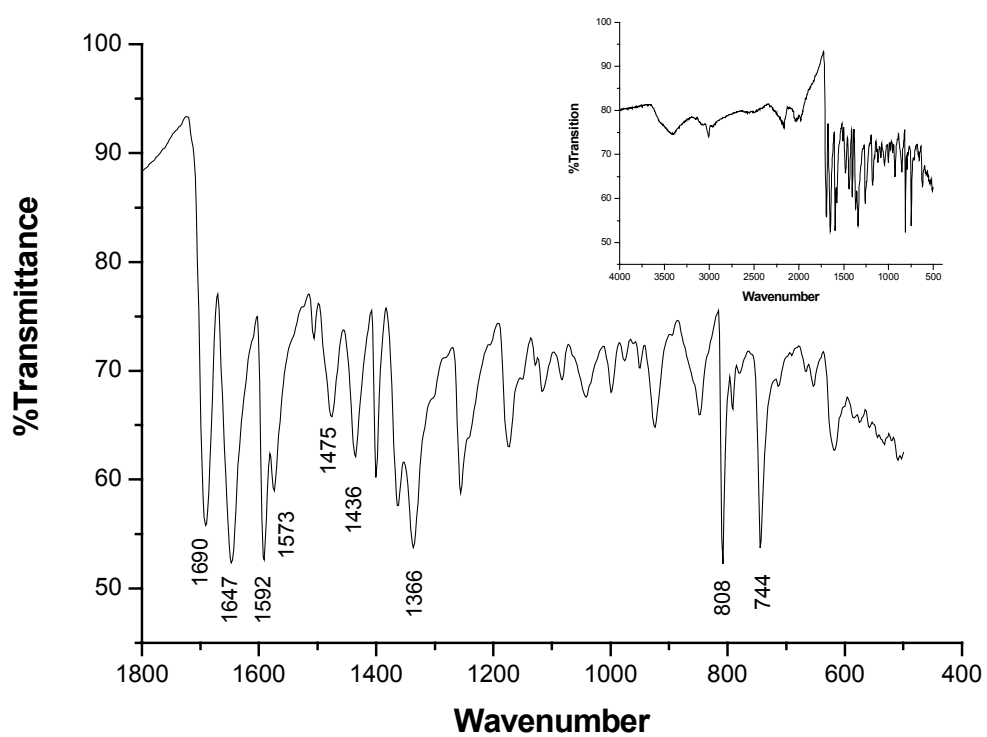


Supplementary Information

Perylenediimide-surfactant complexes: Thermotropic Liquid-Crystalline materials via Ionic Self-Assembly

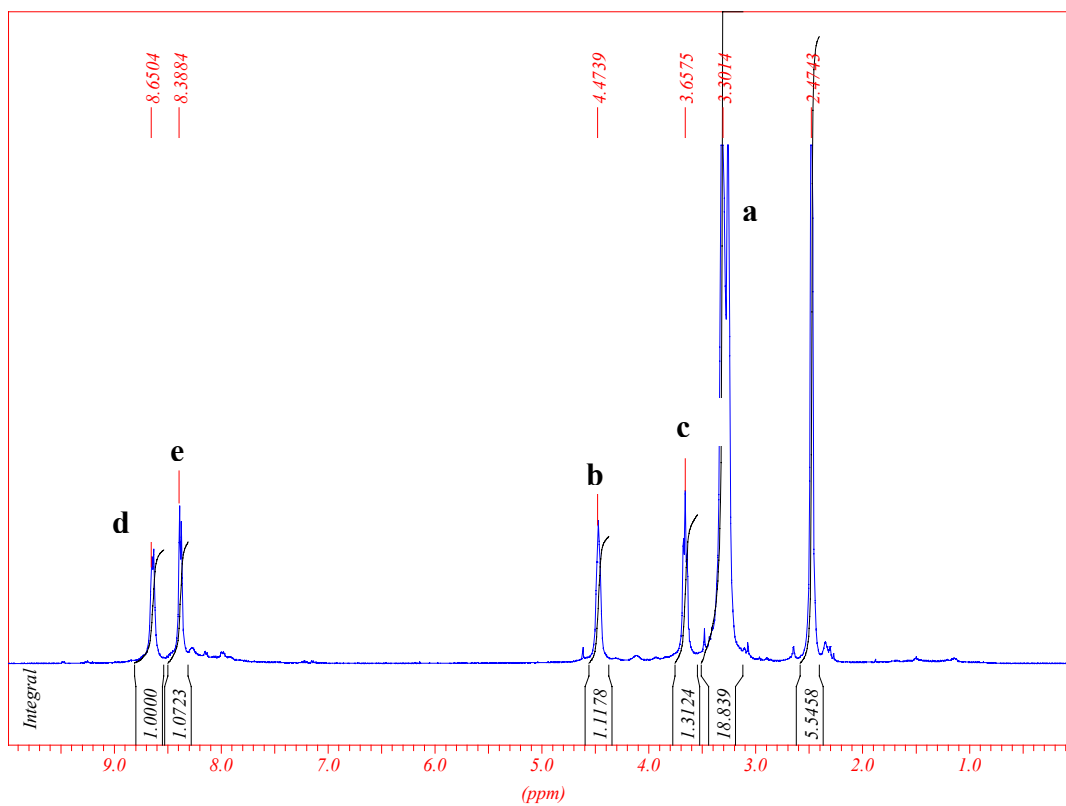
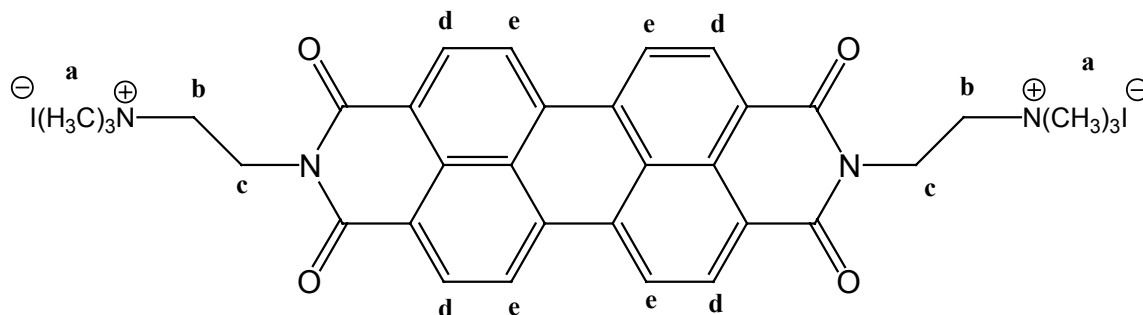
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IR spectrum of N,N'-bis(2-(trimethylammonium iodide)ethylene)-perylene-3,4,9,10-tetracarboxydiimide



$^1\text{H-NMR}$ spectrum of N,N'-bis(2-(trimethylammonium iodide)ethylene)-perylene-3,4,9,10-tetracarboxydiimide

(Solvent: DMSO- d_6 , δ 2.4793, containing H $_2$ O, δ 3.3014)



UV and Fluorescence spectra of N,N'-bis(2-(trimethylammonium iodide)ethylene)-perylene-3,4,9,10-tetracarboxydiimide

(solvent: DMSO; UV spectrum: black line; Fluorescence spectrum: blue line, excitation wavelength is 492nm)

