

Distribution of Single-Walled Carbon Nanotubes in matrix of liquid crystalline Pyrene Containing Asymmetric Zinc Phthalocyanine

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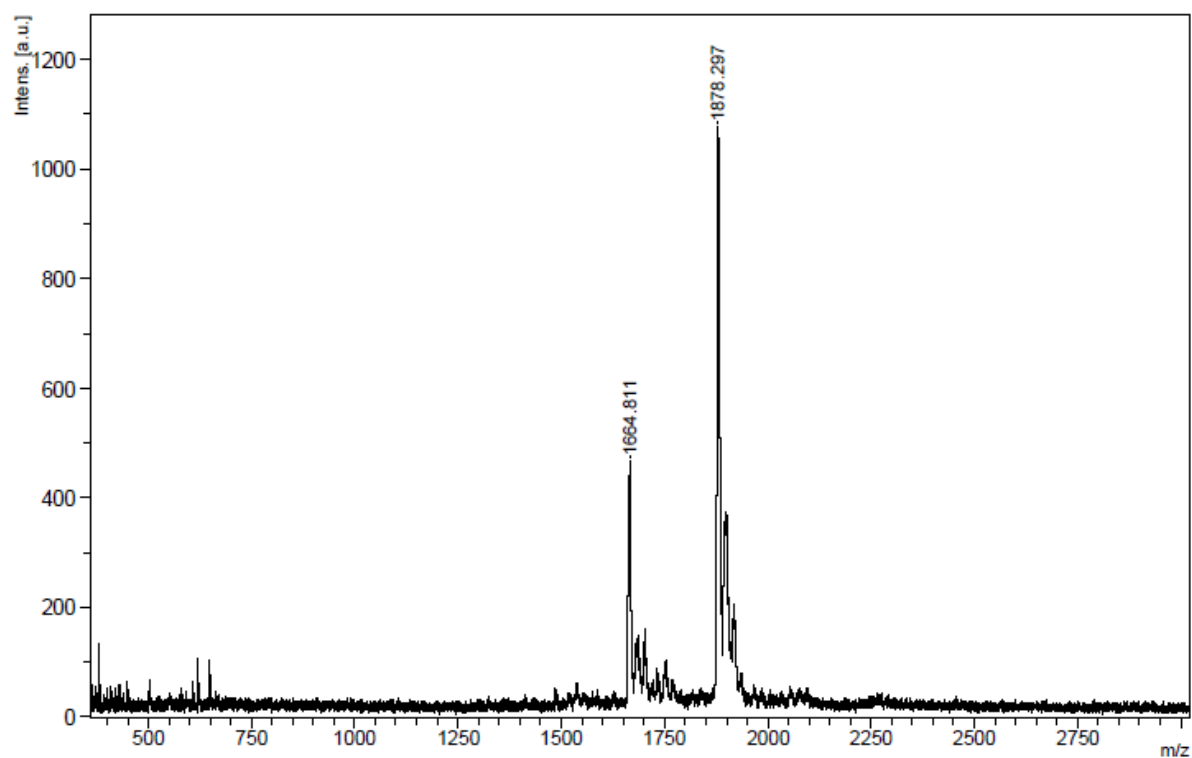


Figure S1. MALDI-TOF mass spectrum of compound 3.

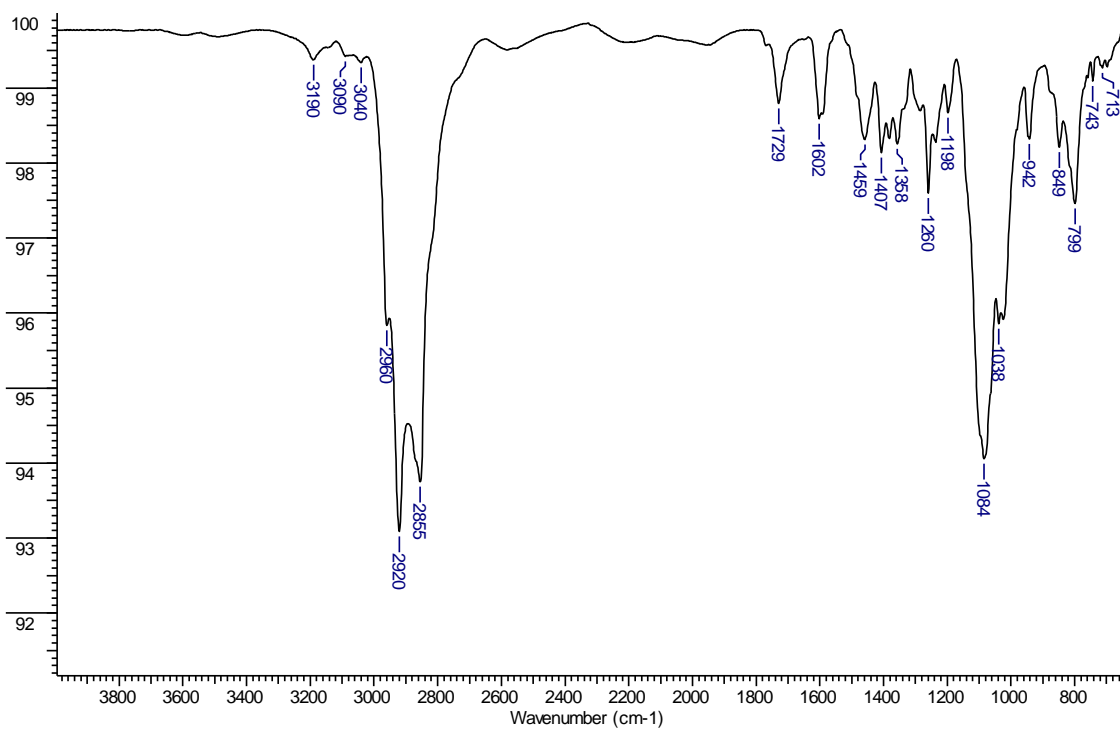


Figure S2. FT-IR spectrum of compound 3.

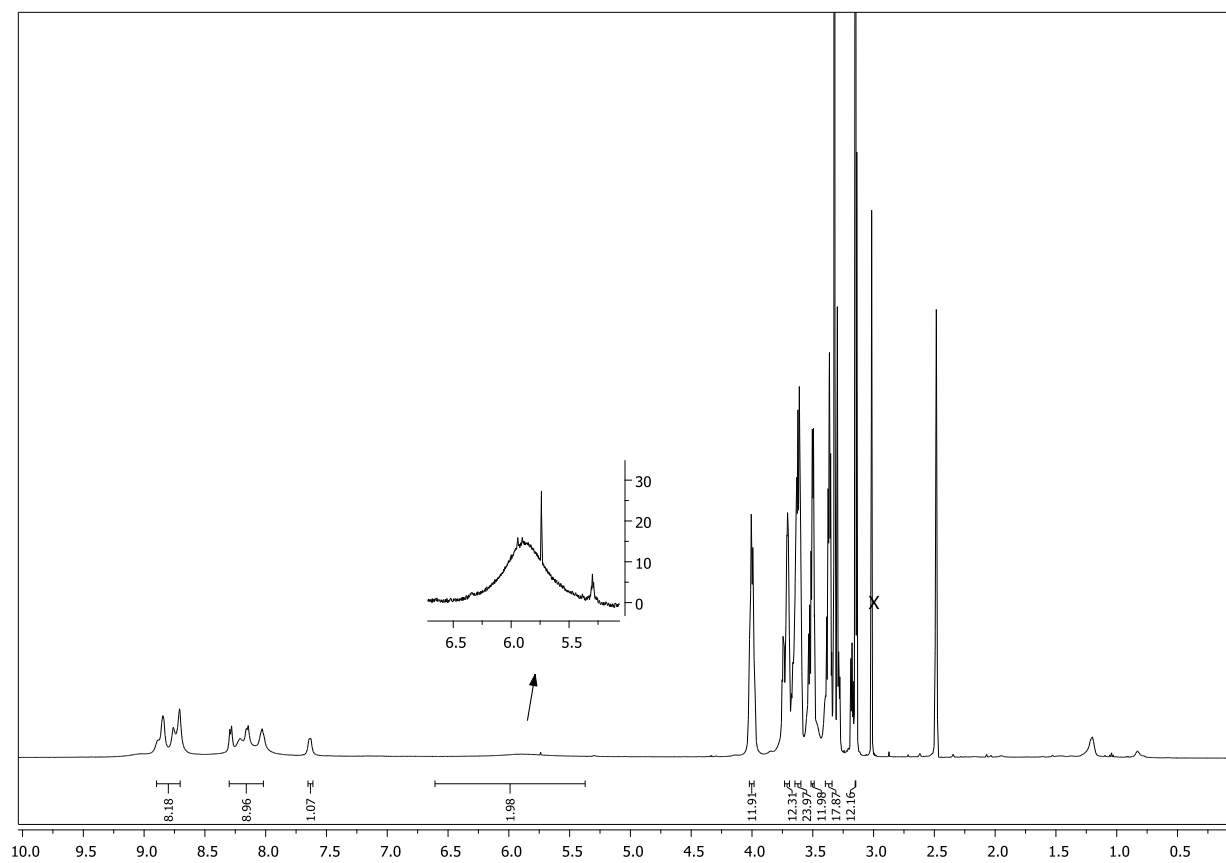


Figure S3. $^1\text{H-NMR}$ spectrum of compound **3** (DMSO-d_6).

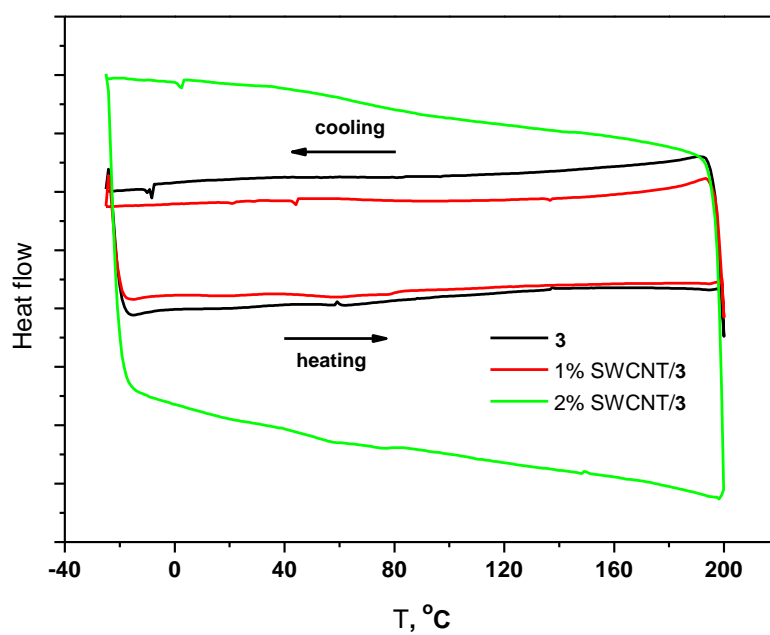


Figure S4. DSC spectra of compound **3** and its composites (third heating-cooling cycle, $10^\circ\text{C}\cdot\text{min}^{-1}$).

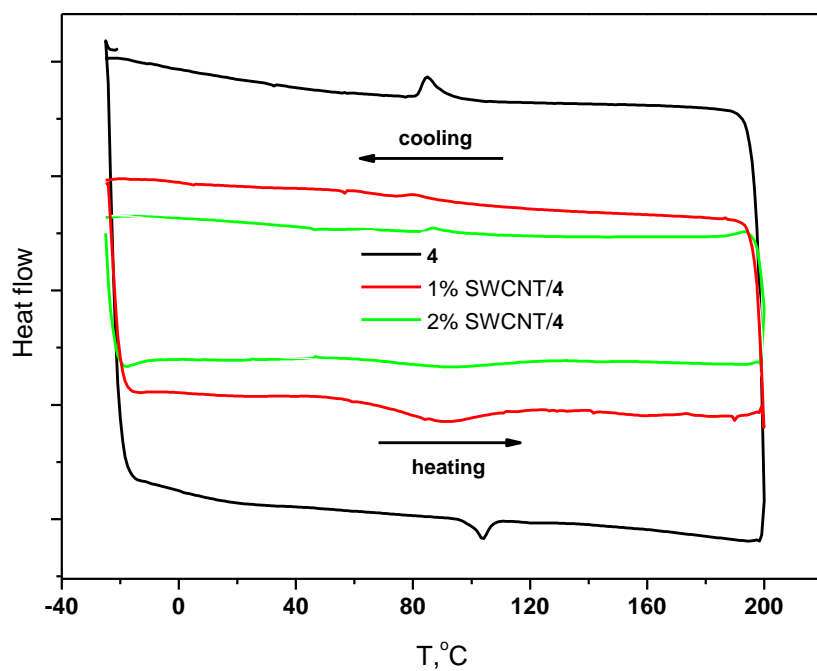


Figure S5. DSC spectra of compound **4** and its composites (third heating-cooling cycle, $10^{\circ}\text{C}\cdot\text{min}^{-1}$).

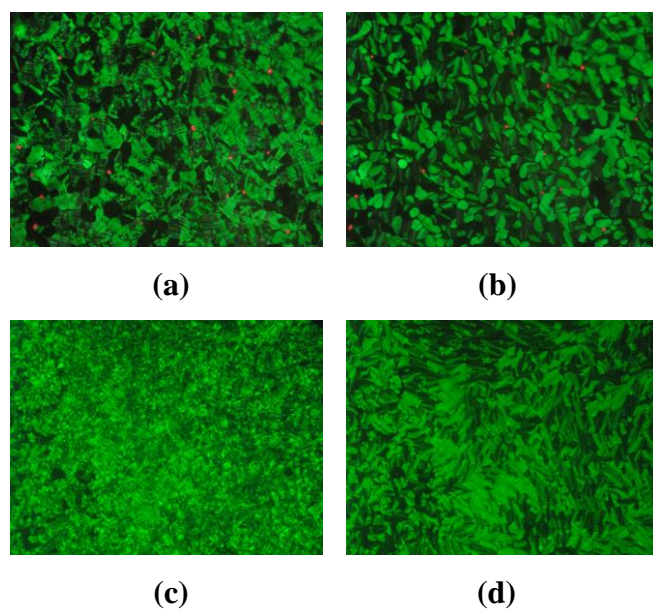


Figure S6. Polarizing optical microscopy images of **3/SWCNT** composites obtained by annealing between two glass slides. a: %1 **3/SWCNT** at 160 °C, b: %1 **3/SWCNT** at 175 °C, c: %2 **3/SWCNT** at 170 °C, d: %2 **3/SWCNT** at 185 °C. Magnification: 25X

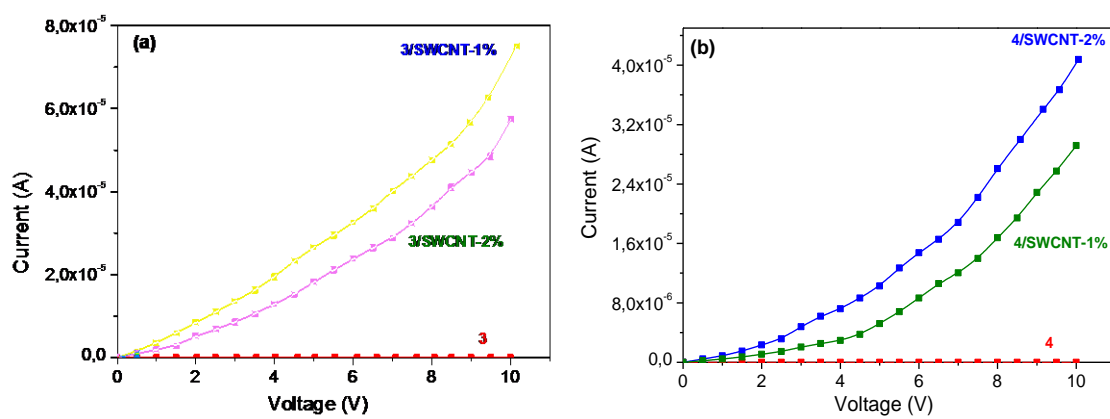


Figure S7. *I(V)* characteristics of films of pure **3** (a) and **4** (b) derivatives and their composites **3/SWCNT** and **4/SWCNT** containing 1 and 2 wt.% of SWCNT.