

**Supporting Information for**  
**Bifunctional Polybenzoxazine Nanocomposites Containing Photo-Crosslinkable**  
**Coumarin Units and Pyrene Units Capable of Dispersing Single-Walled Carbon**  
**Nanotubes**

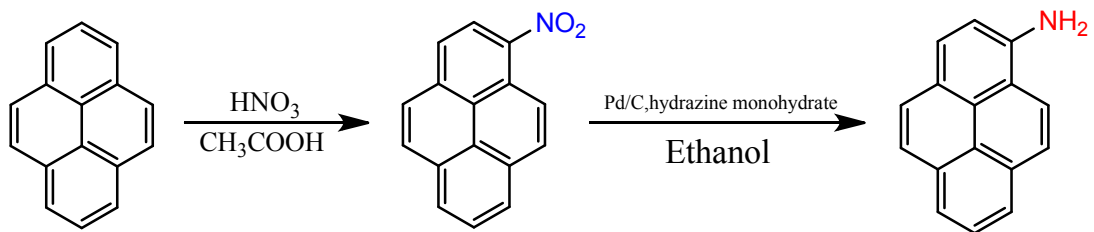
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**Nanotechnology, National Sun Yat-Sen University, Kaohsiung, Taiwan**

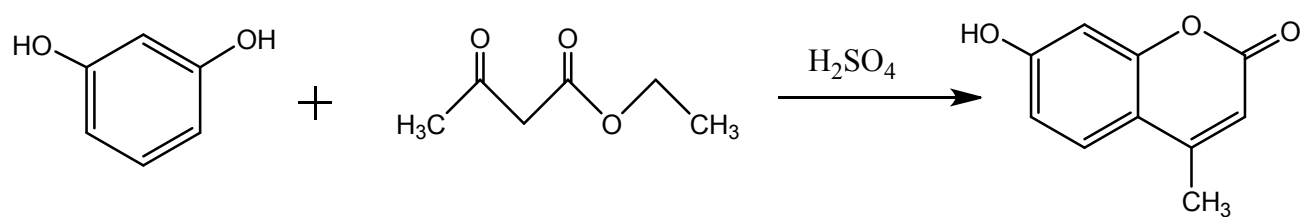
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**Scheme S1: Synthesis of Py-NH<sub>2</sub>**



**Scheme S2: Synthesis of Coumarin-OH**

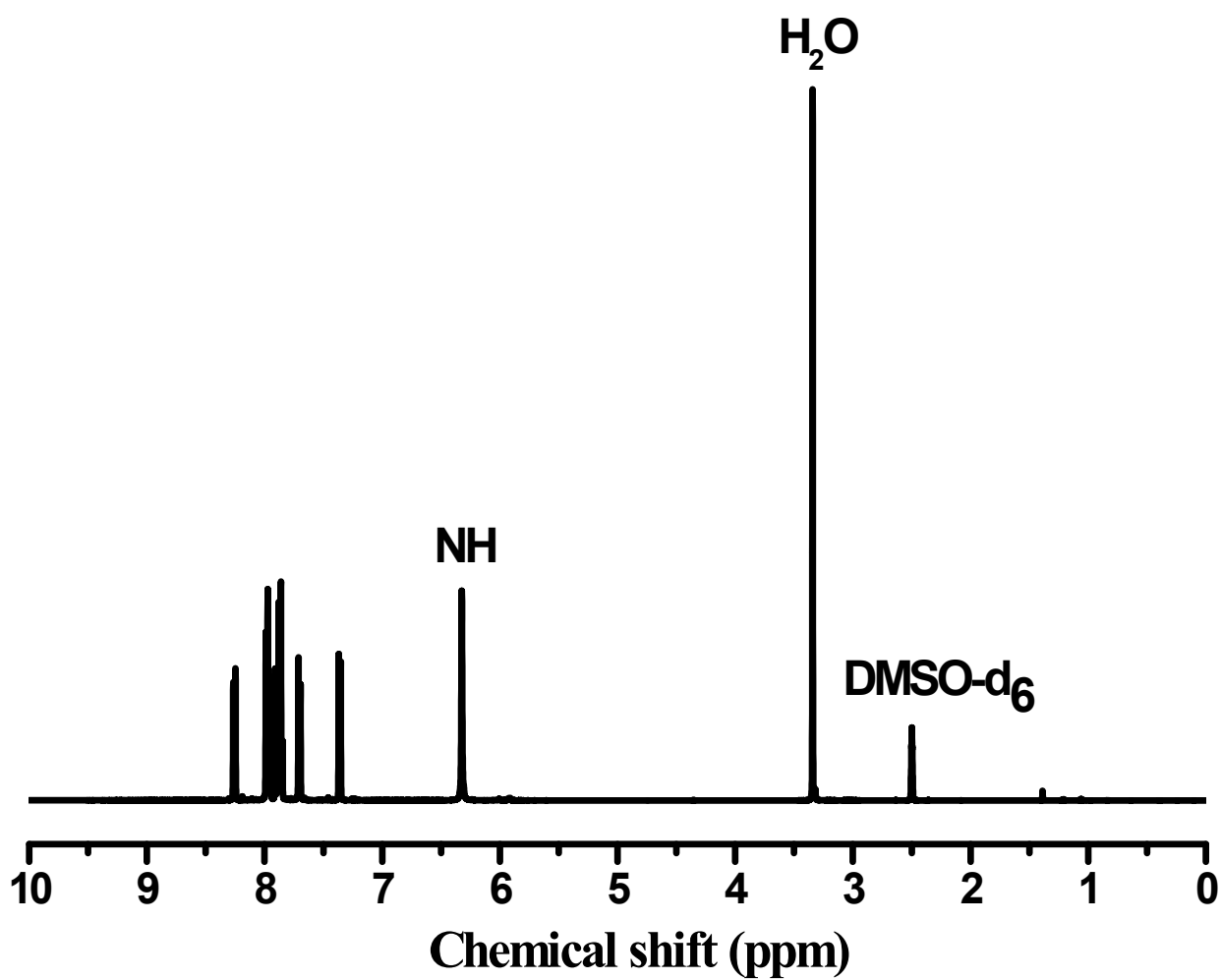


Figure S1:  $^1\text{H}$  NMR spectra of Py-NH<sub>2</sub>.

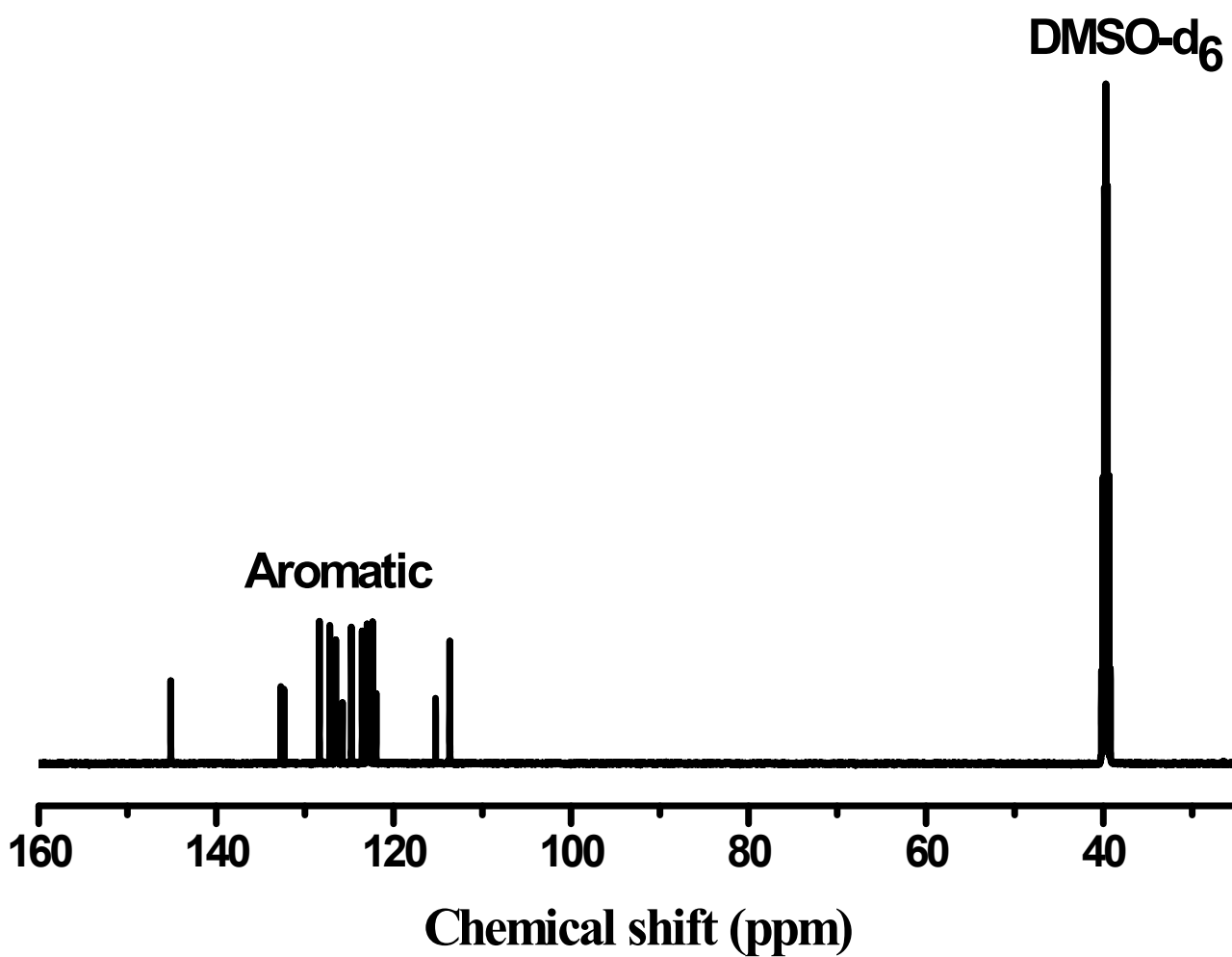


Figure S2:  $^{13}\text{C}$  NMR spectra of Py-NH<sub>2</sub>.

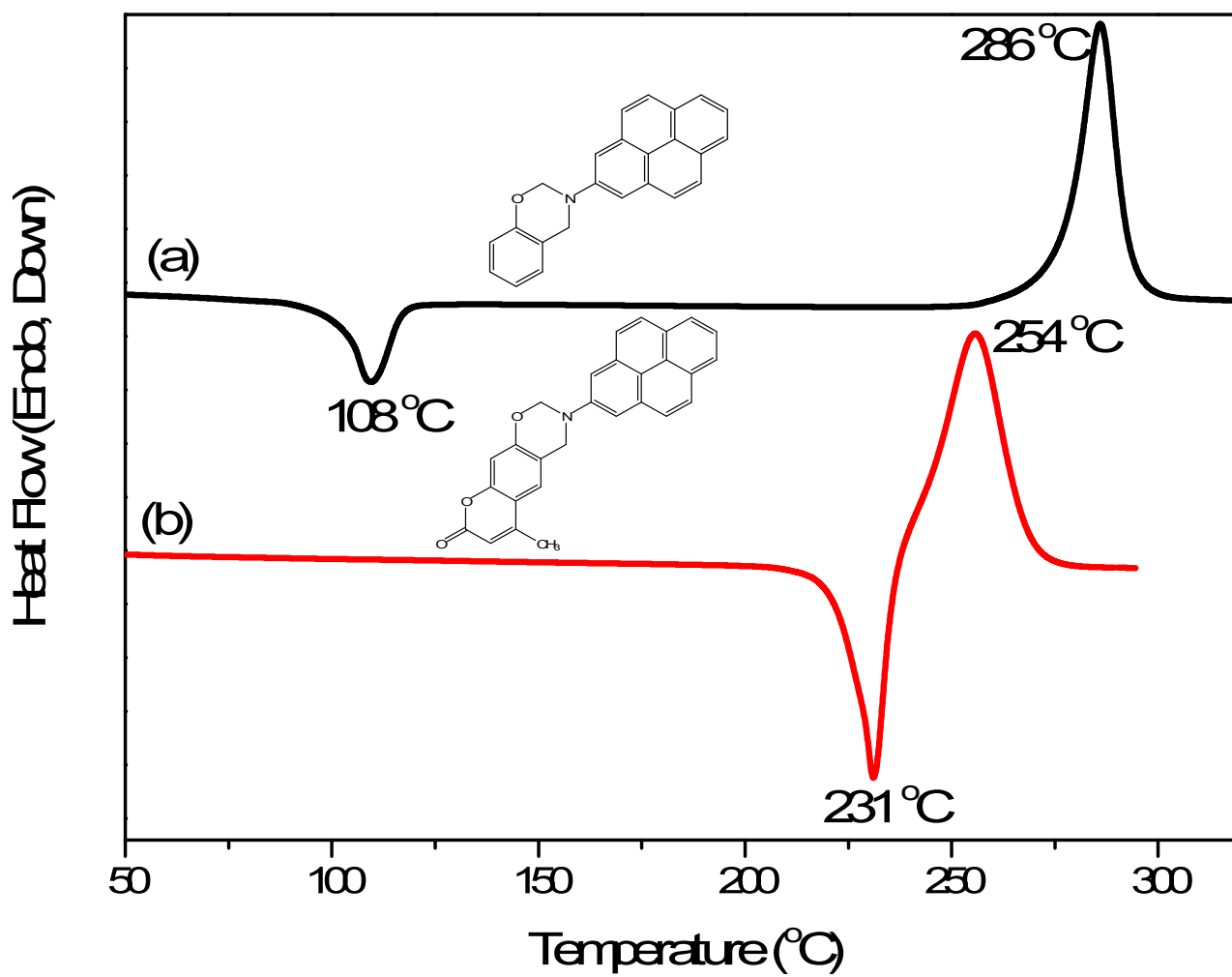
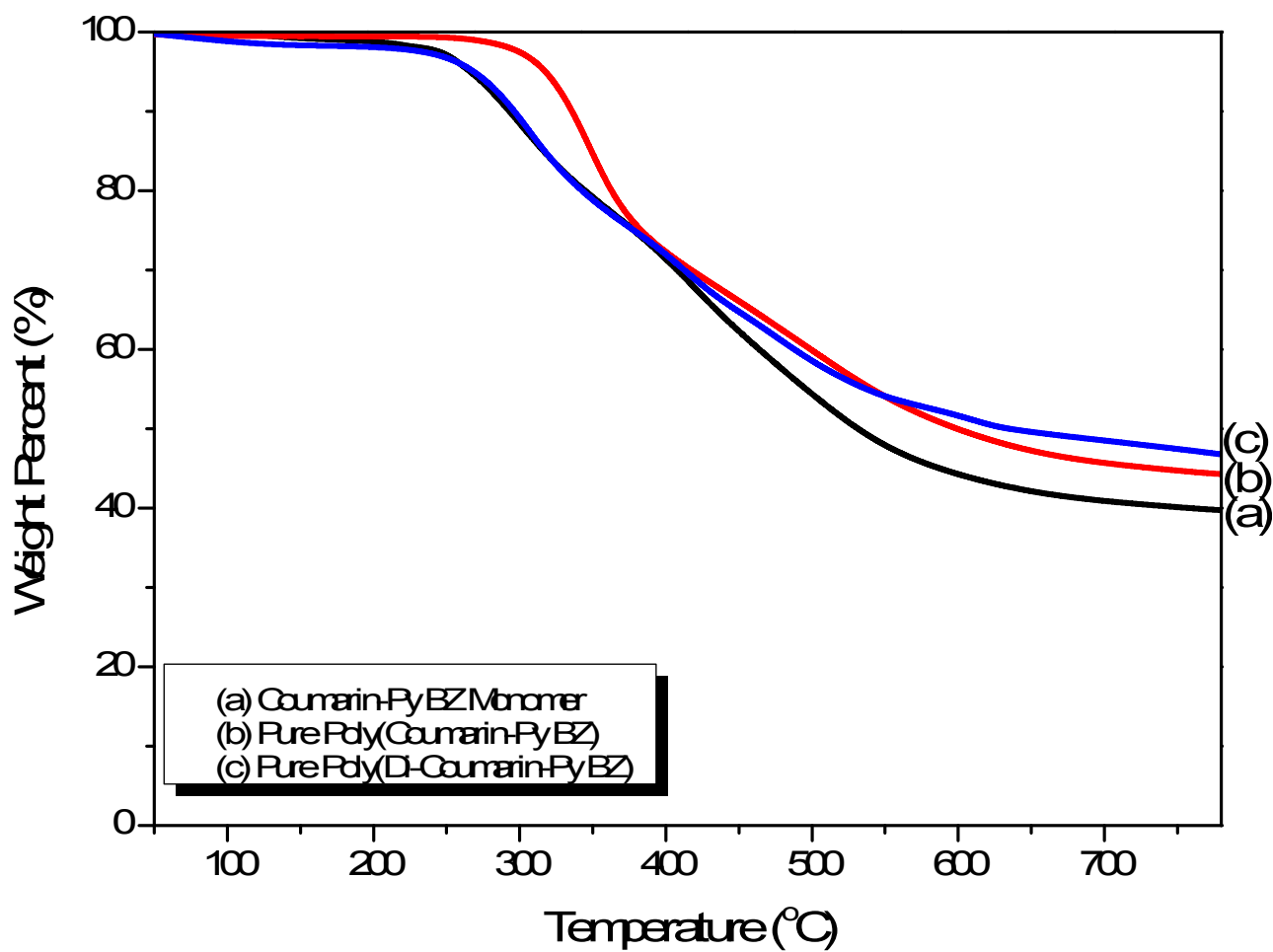


Figure S3: DSC analyses of (a) Py-BZ and (b) Coumarin-Py BZ.



**Figure S4:** TGA analyses of (a) Coumarin-Py BZ monomer, (b) poly(Coumarin-Py BZ), and (c) poly(Di-Coumarin-Py BZ).