

*Electronic Supplementary Information for*

**Different Amine-Functionalized Poly(diphenylsubstituted acetylenes) From  
Same Precursor**

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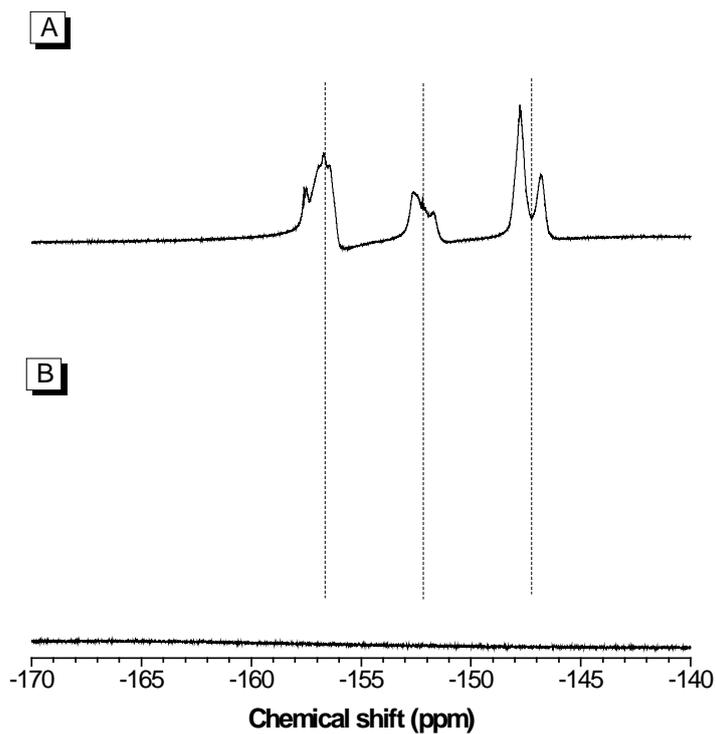
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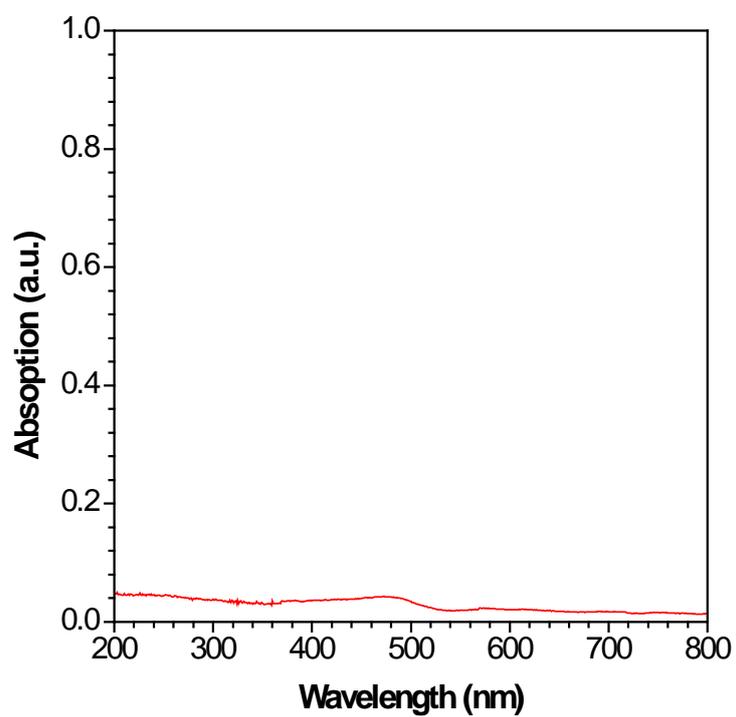
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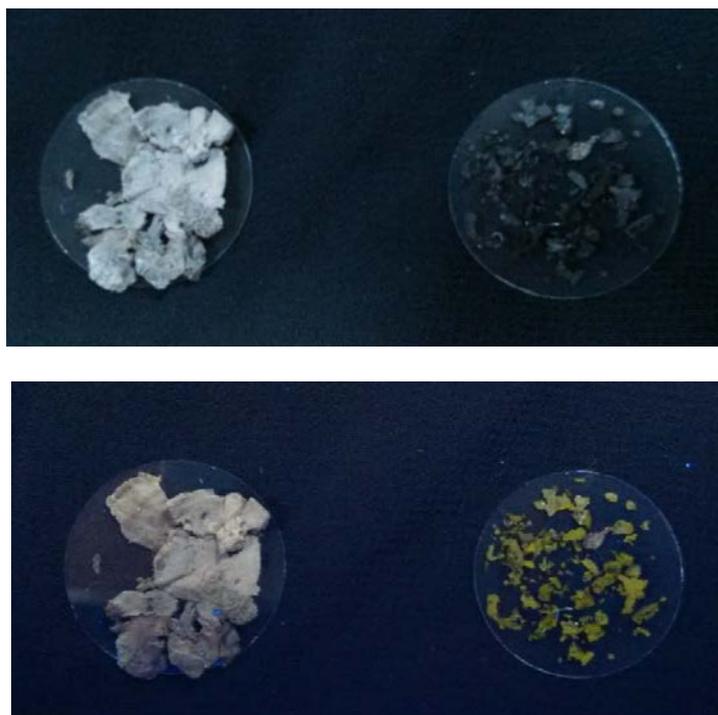
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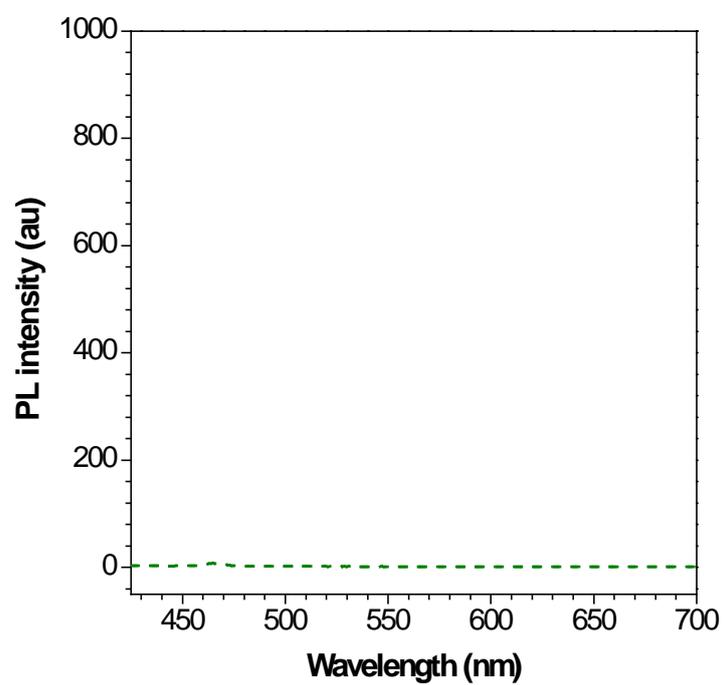
**Figure S1.**  $^{19}\text{F}$  NMR spectra of (A) P0 in  $\text{CDCl}_3$  and (B) P2 in methanol-*d*.



**Figure S2.** Absorption spectrum of pristine GO



**Figure S3.** Photographs of the pristine GO powder and P2/GO hybrid solid under daylight (upper) and UV lamp irradiated by 365 nm (lower).



**Figure S4.** Emission spectrum of the pristine GO.