

Electronic Supplementary Information (ESI) for

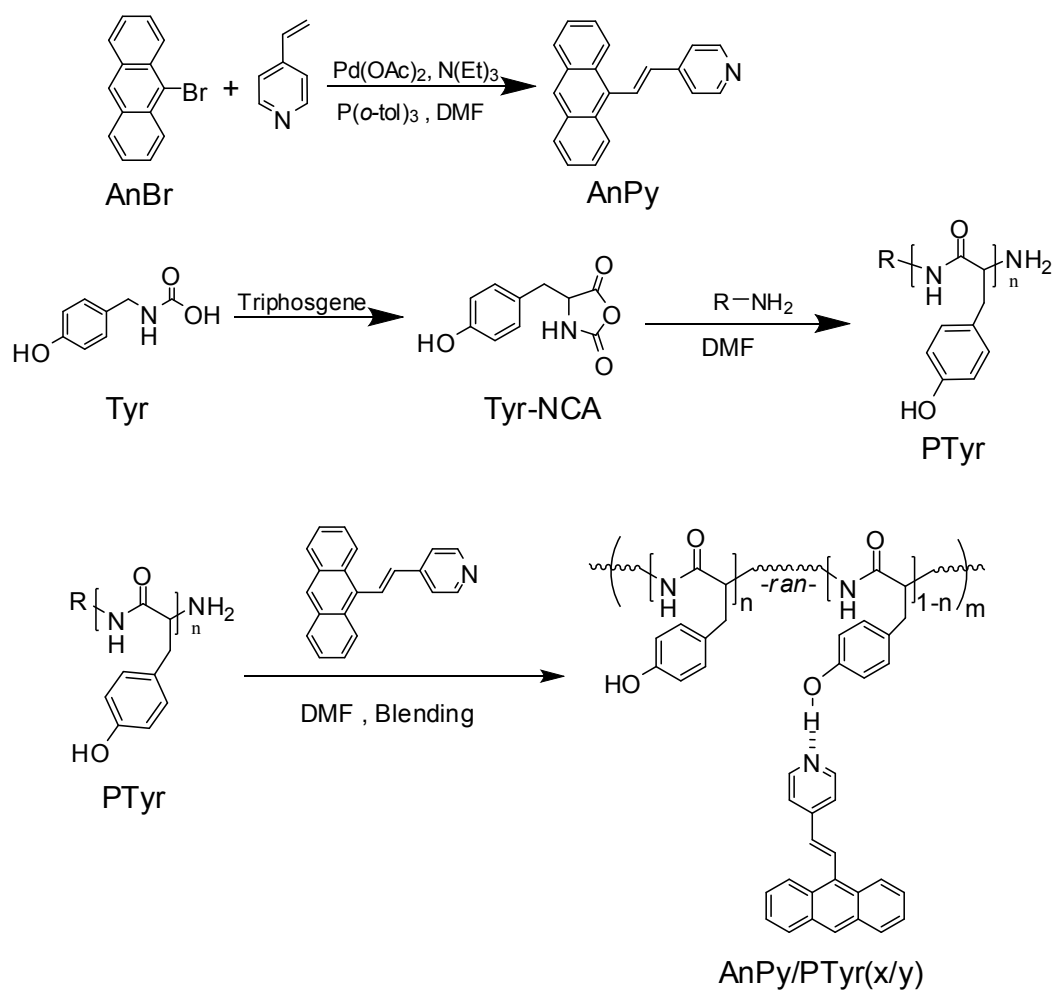
**Amorphous and crystalline blends from polytyrosine and  
pyridine-functionalized anthracene: hydrogen bond,  
conformation, intramolecular charge transfer and aggregation-  
induced emission**

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Syntheses of AnPy and PTyr were performed according to the reaction pathways illustrated in Scheme S1. Detailed preparation procedures of PTyr were given previously.<sup>1,2</sup>



**Scheme S1** Synthesis of AnPy and PTyr.

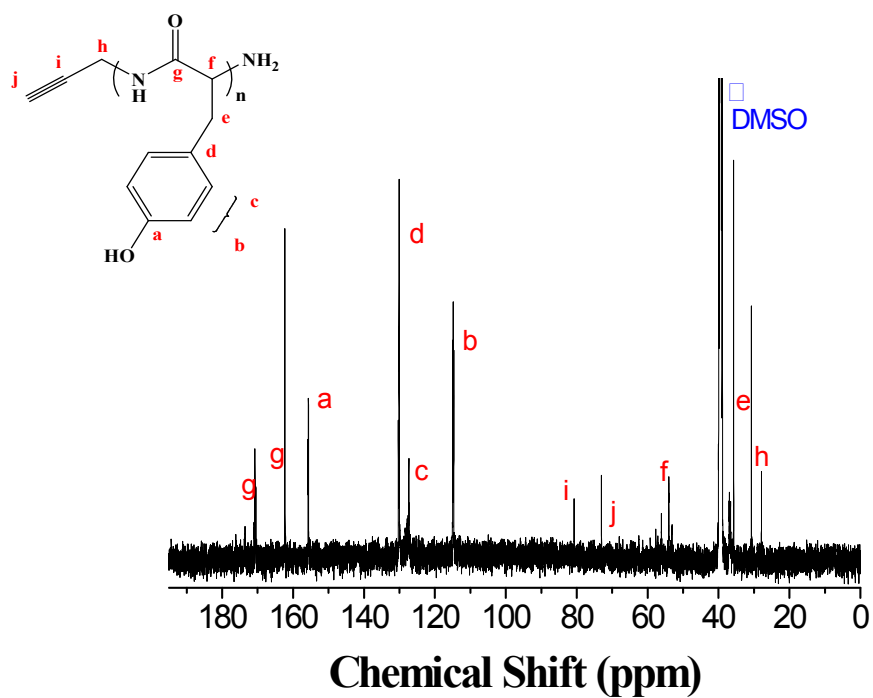
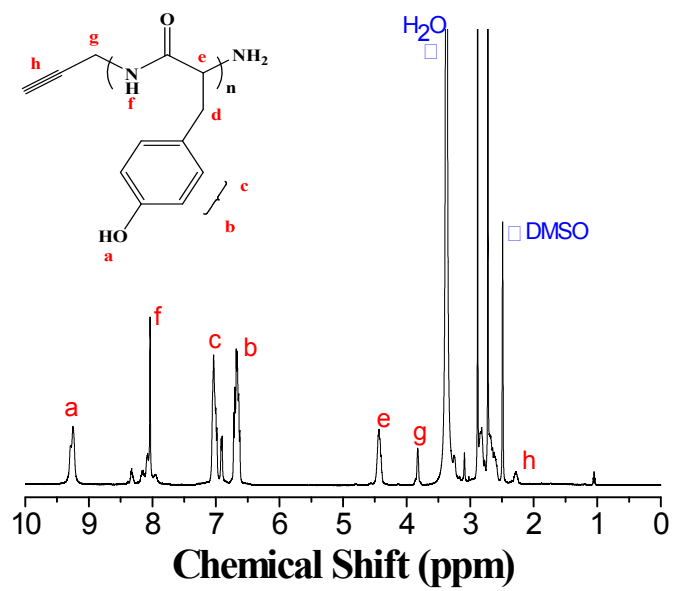
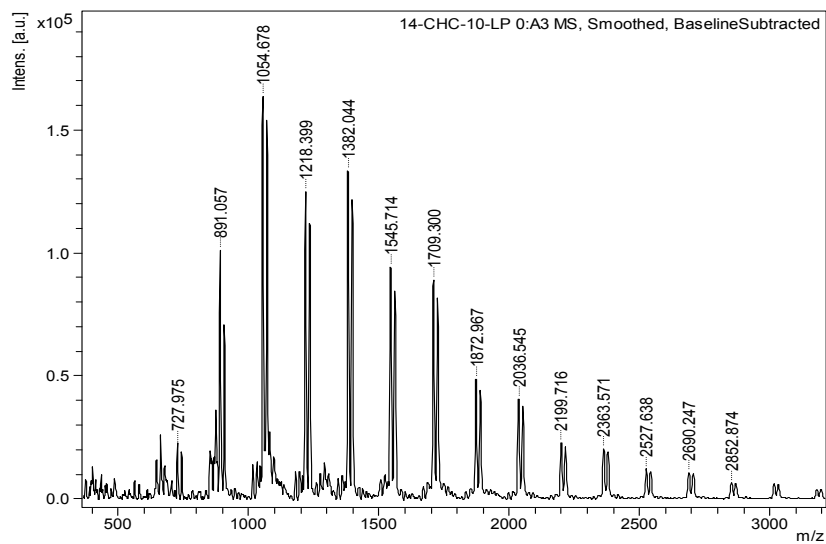
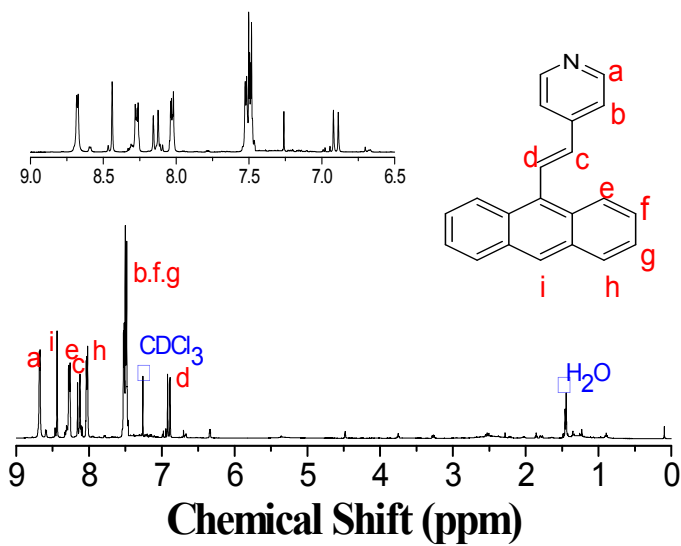


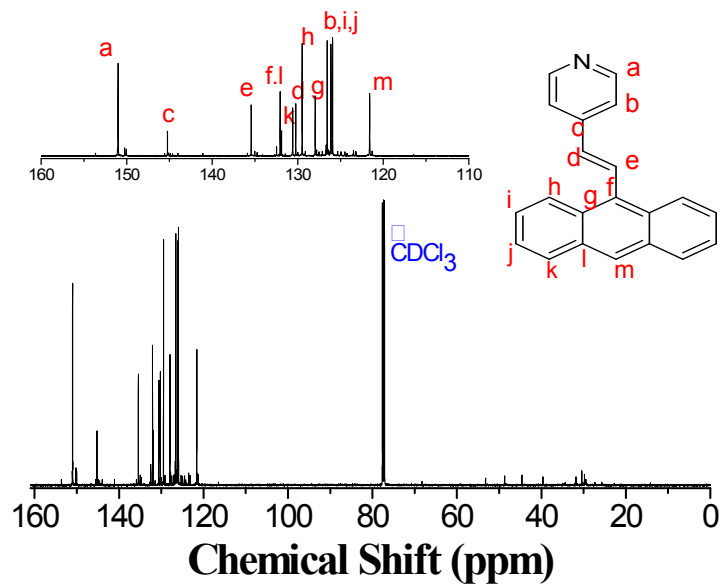
Fig. S1  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of PTyr



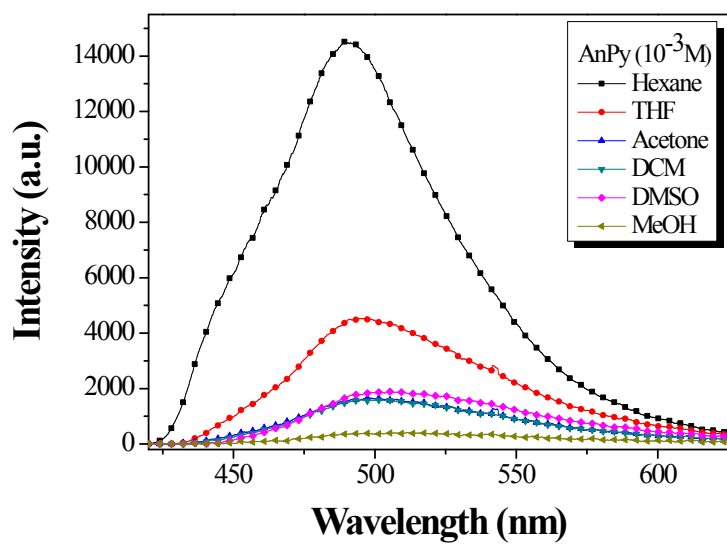
**Fig. S2** MALDI-TOF mass spectra of PTyr



**Fig. S3** <sup>1</sup>H NMR spectrum of AnPy (CDCl<sub>3</sub>)



**Fig. S4**  $^{13}\text{C}$  NMR spectrum of AnPy.



**Fig. S5** AnPy ( $10^{-3}\text{M}$ ) in solvents of increasing polarity. (excited at 400 nm)

## References

1. Y. S. Lu, Y. C. Lin and S. W. Kuo, *Macromolecules* 2012, **45**, 6547.
2. R. K. Scheule, F. Cardinaux, G. T. Taylor and H. A. Scheraga, *Macromolecules* 1976, **9**, 23.