

Electronic Supplementary Information for
**Electron-transporting third component modifying cathode for simplified inverted
ternary blend solar cells**

Dashan Qin, Pei Cheng, Yifan Wang, Yan Fan, and Xiaowei Zhan*

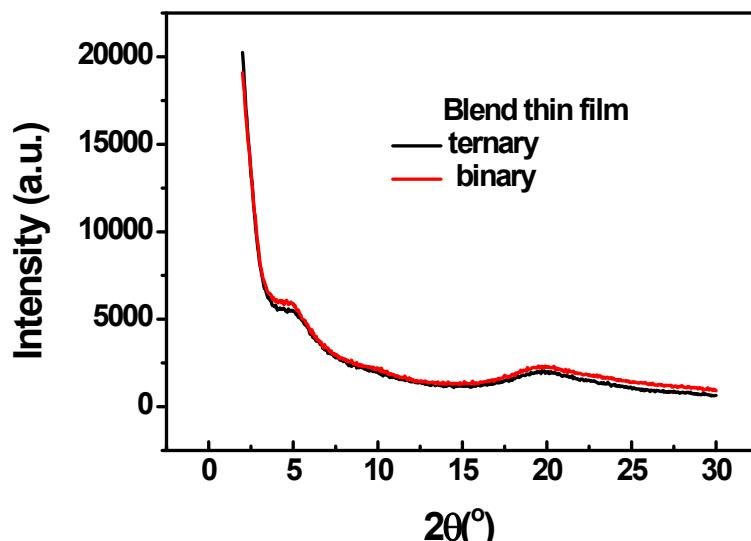


Fig. S1 XRD patterns of PTB7:PC₇₁BM and PTB7:PC₇₁BM:Bphen (0.10 mg/ml) blends.

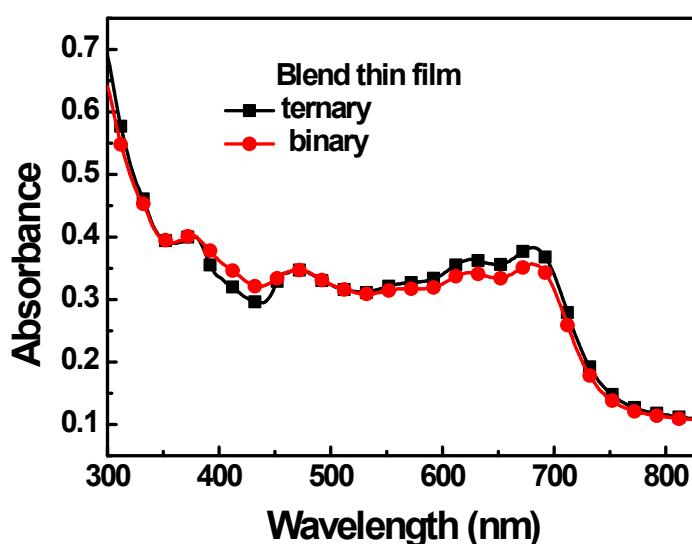


Fig. S2 Absorption spectra of PTB7:PC₇₁BM and PTB7:PC₇₁BM:Bphen (0.10 mg/ml) blends.

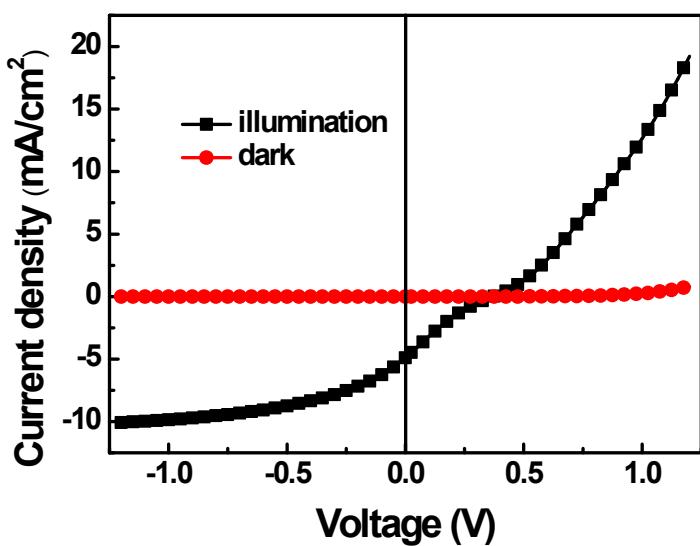


Fig. S3 J - V curves of regular solar cell with structure of ITO/PEDOT:PSS/PTB7:PC₇₁BM:Bphen (0.10 mg/ml)/Ca/Al.

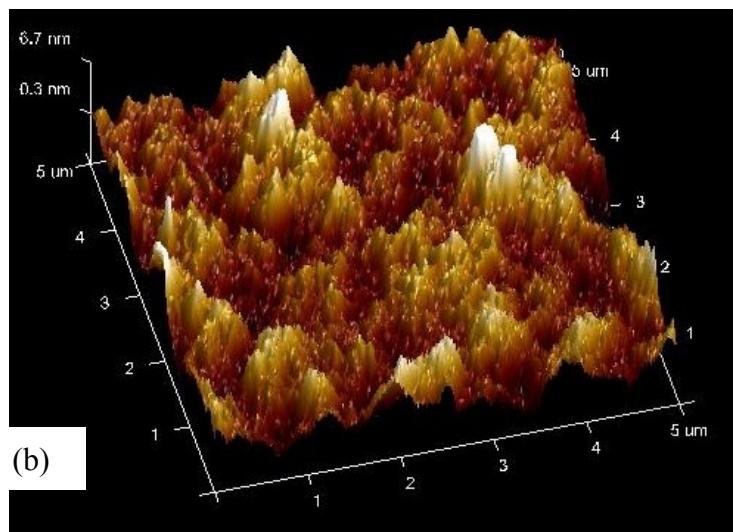
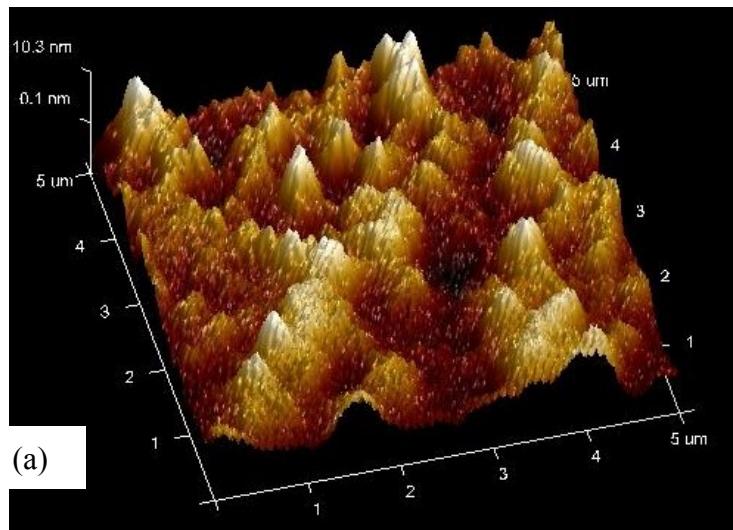


Fig. S4 AFM height images for PTB7:PC₇₁BM (a) and PTB7:PC₇₁BM:Bphen (0.10 mg/ml) films (b) spin-coated on the ITO substrates.

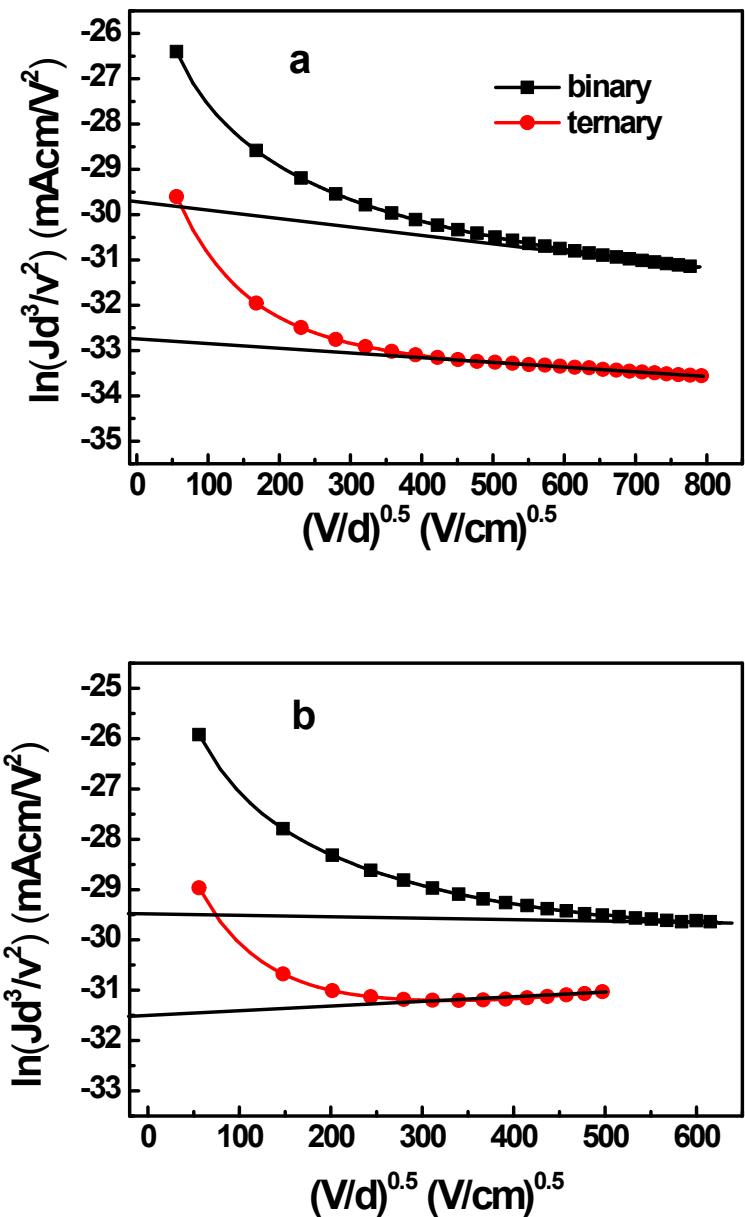


Fig. S5 J - V characteristics measured under dark for hole-only (a) and electron-only (b) devices based on PTB7:PC₇₁BM and PTB7:PC₇₁BM:Bphen (0.10 mg/ml) blends.