

Supplementary Information

Deep blue thermally activated delayed fluorescent emitters using CN modified indolocarbazole as an acceptor and carbazole derived donors

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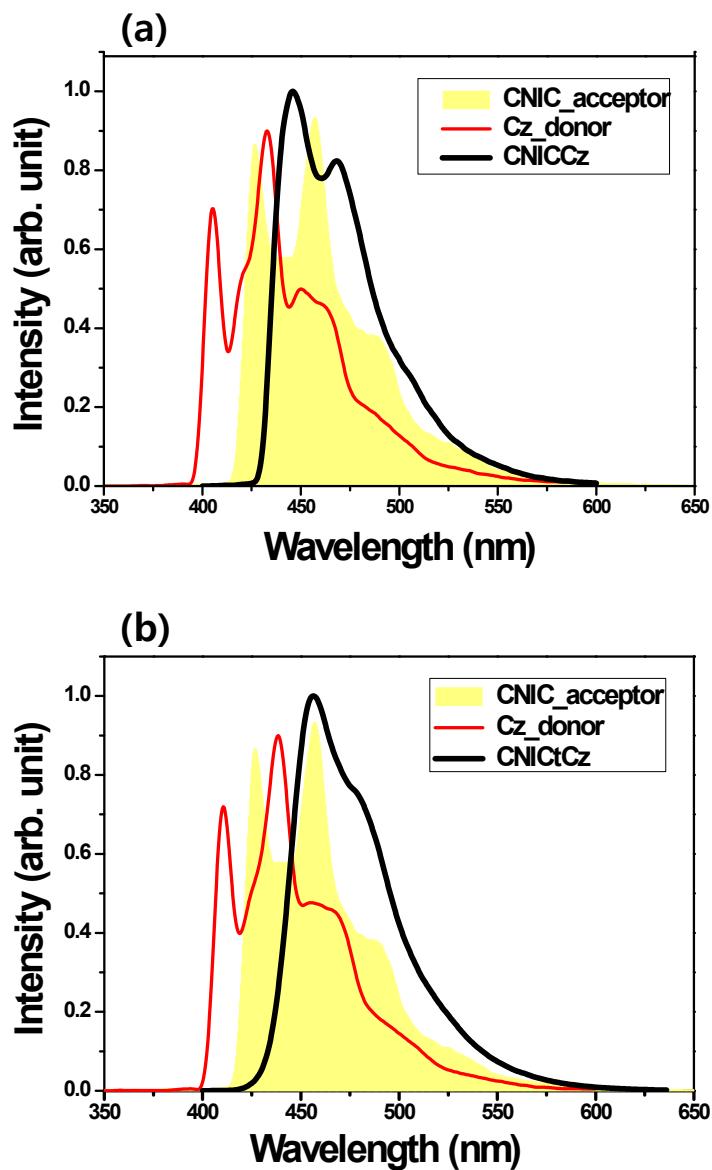


Figure S1. Phosphorescence PL spectra of the moieties and dopant materials.

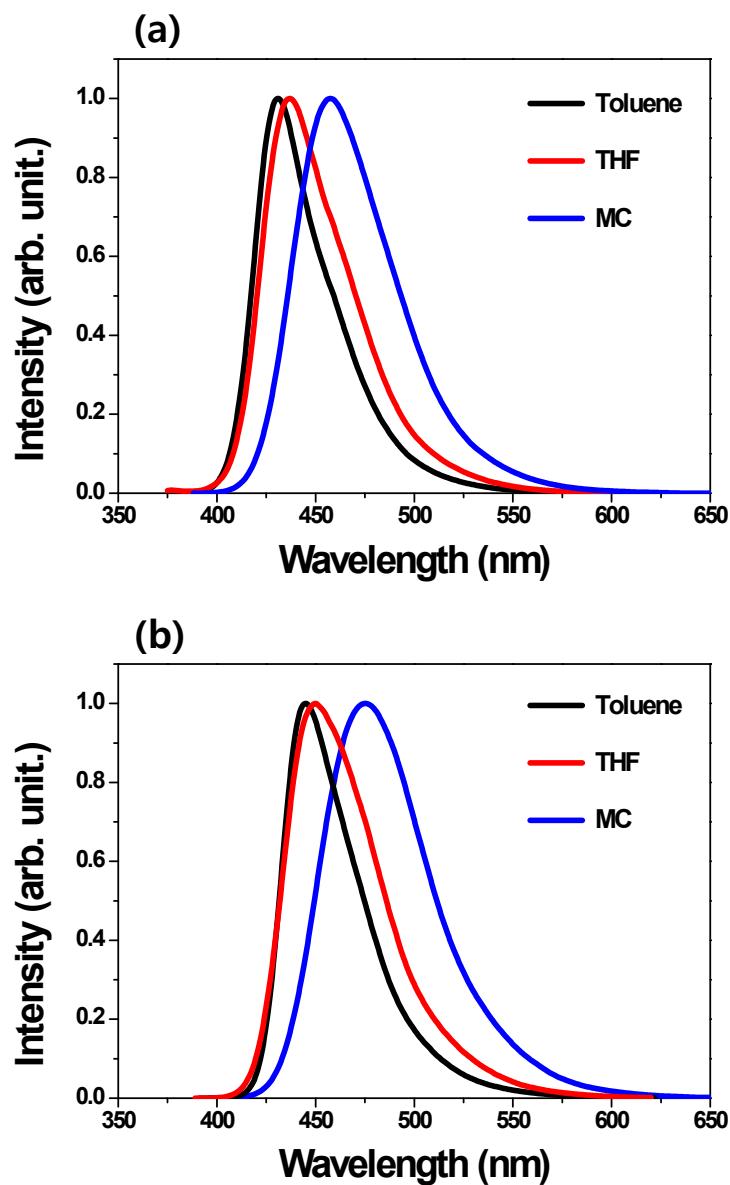


Figure S2. Normalized PL spectra of CNICCz (a) and CNICtCz (b) in different solvents.

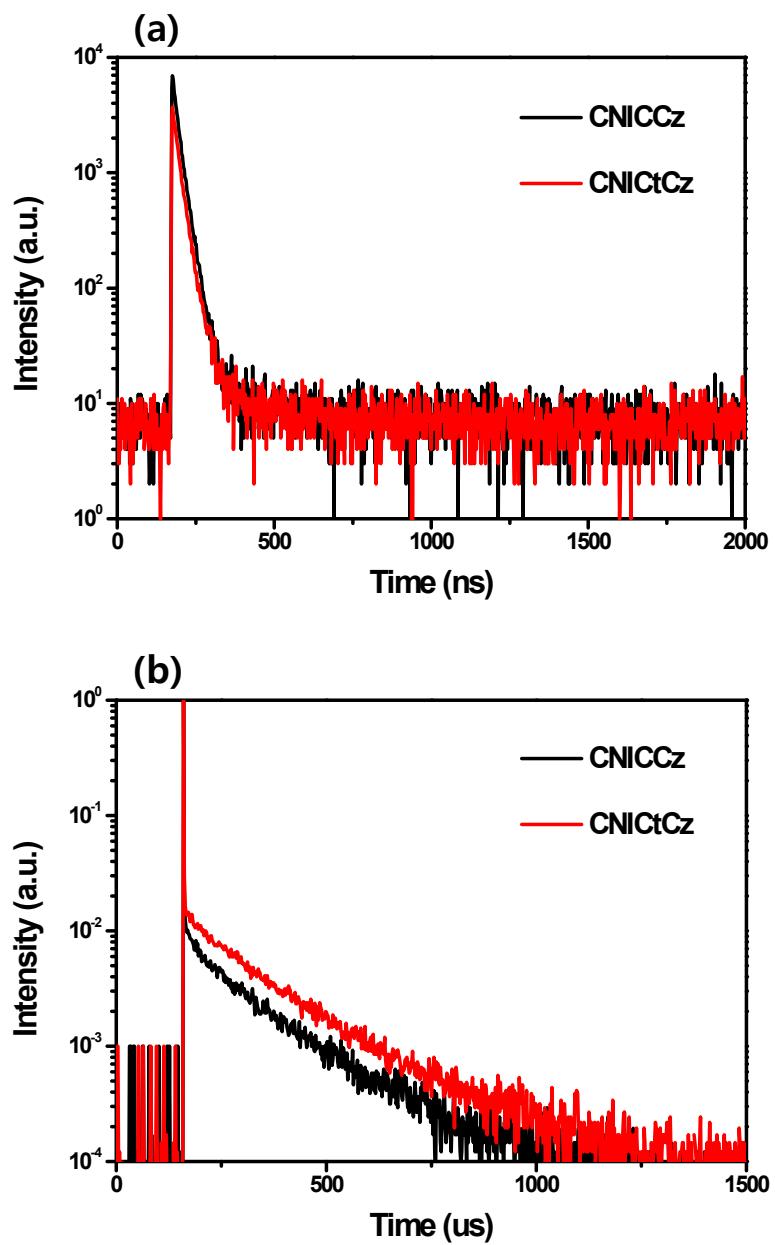


Figure S3. Prompt (a) and delayed (b) PL spectra of DPEPO:CNICCz and DPEPO:CNICtCz film at room temperature.

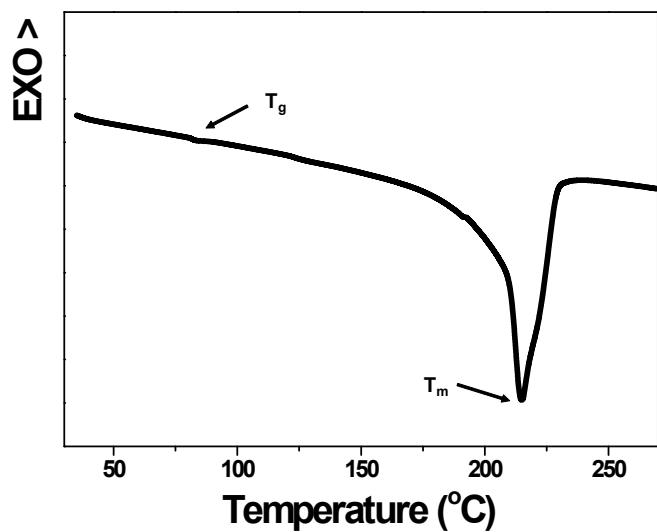


Figure S4. DSC curve of CNICtCz. The thermal properties were recorded by TA DSC Q2000 under nitrogen to determine the T_g and T_m of the compounds at a heating rate of 10 °C/min.

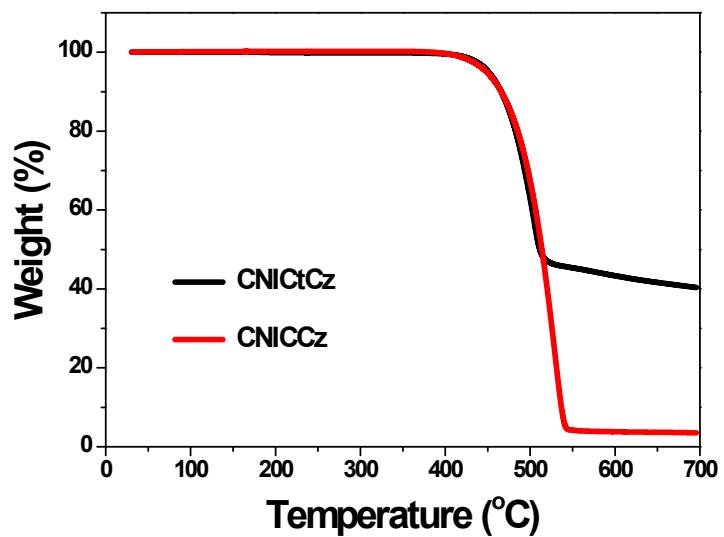


Figure S5. TGA curves of CNICCz and CNICtCz obtained by TA TGA Q50 under nitrogen to analyze the T_d of the compounds at a heating rate of 20 °C/min.

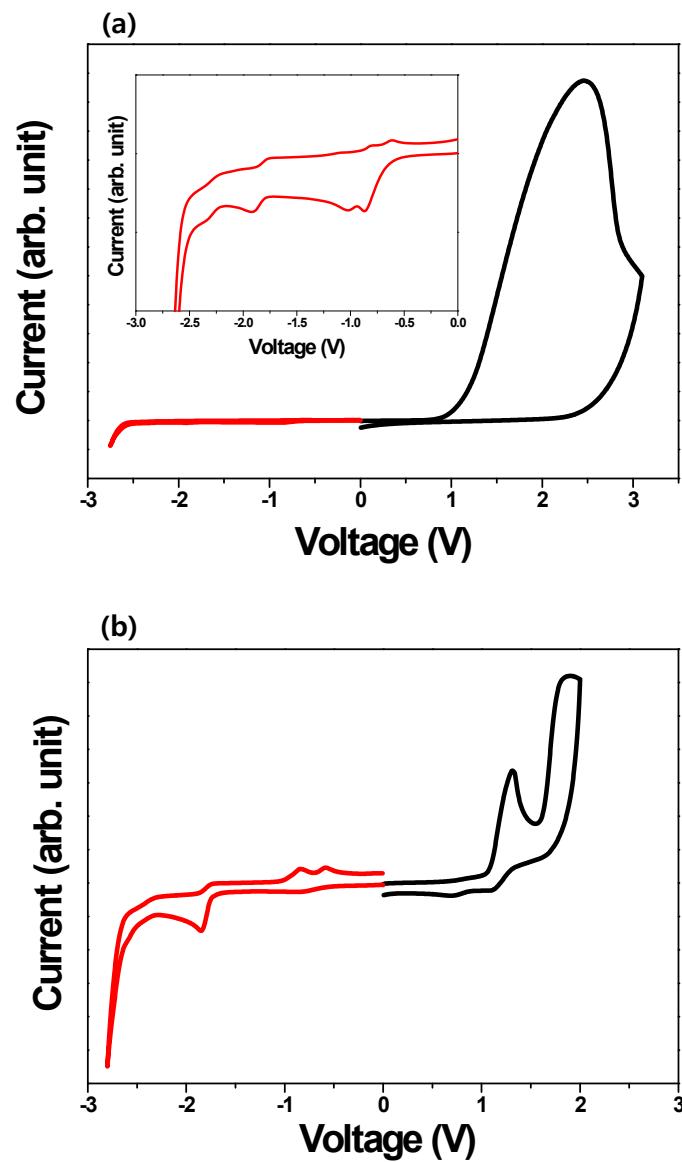


Figure S6. CV curves of CNICCz (a) and CNICtCz (b).

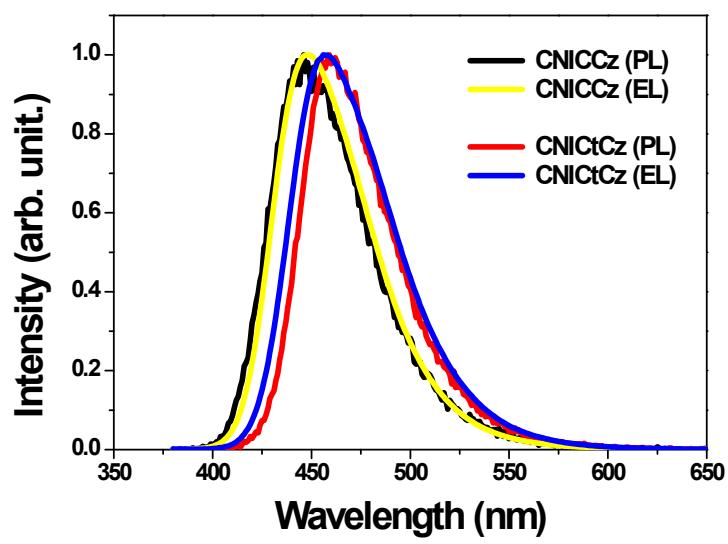


Figure S7. PL spectra and EL spectra of DPEPO:CNICCz and DPEPO:CNICtCz.