

Supporting Information

for

Oxadiazole Derivatives as Bipolar Host Materials for High-performance Blue and Green Phosphorescent Organic Light-emitting Diodes

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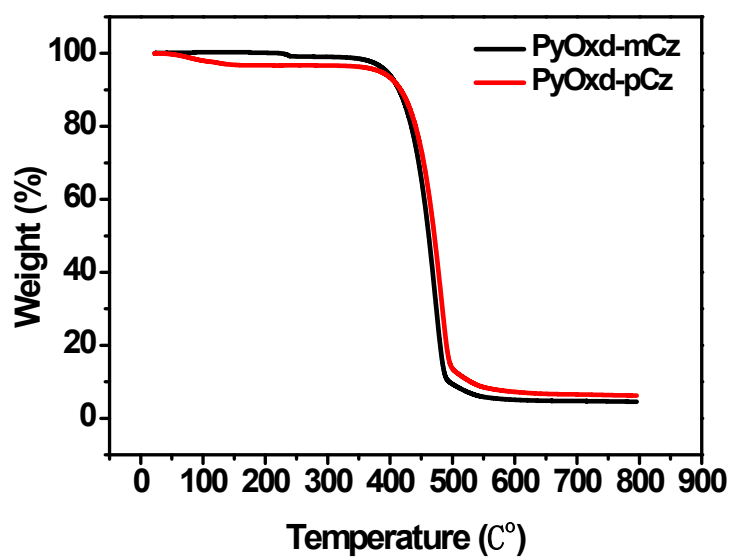
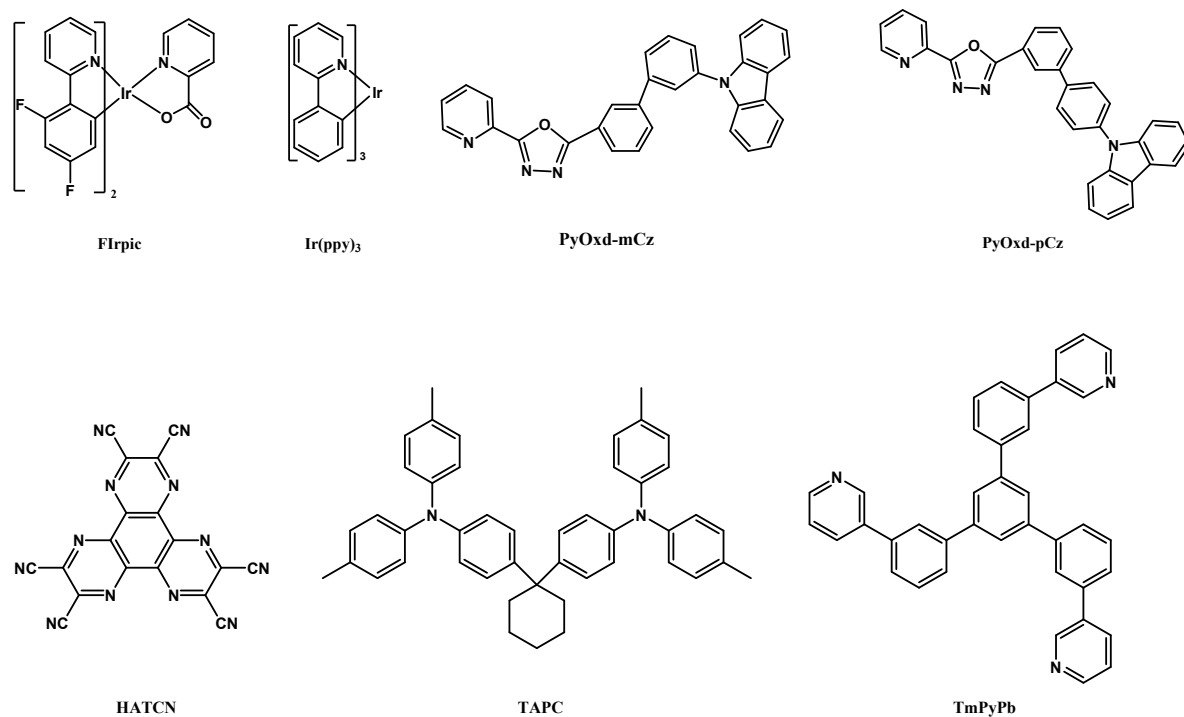


Fig. S1 TGA thermograms of PyOxd-mCz and PyOxd-pCz, recorded at a heating rate of 10 °C min⁻¹



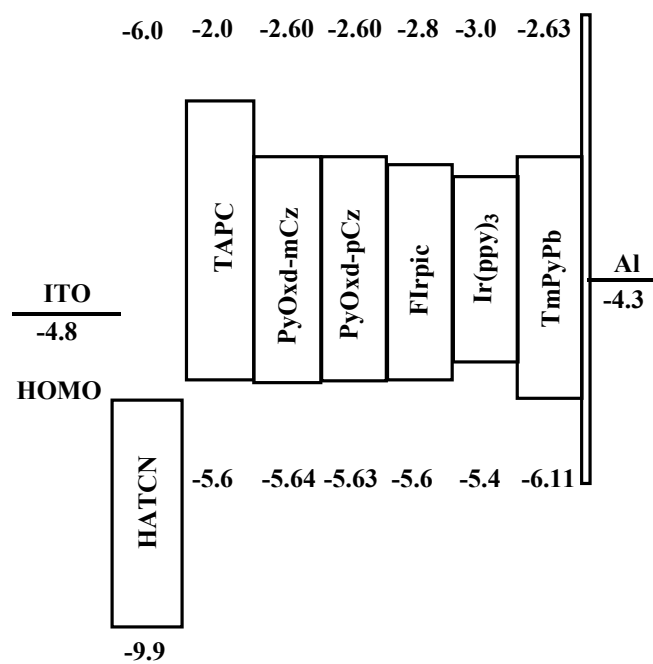


Fig. S2 Chemical structures of related materials and energy level diagram for the single carrier devices and blue and green PHOLEDs.

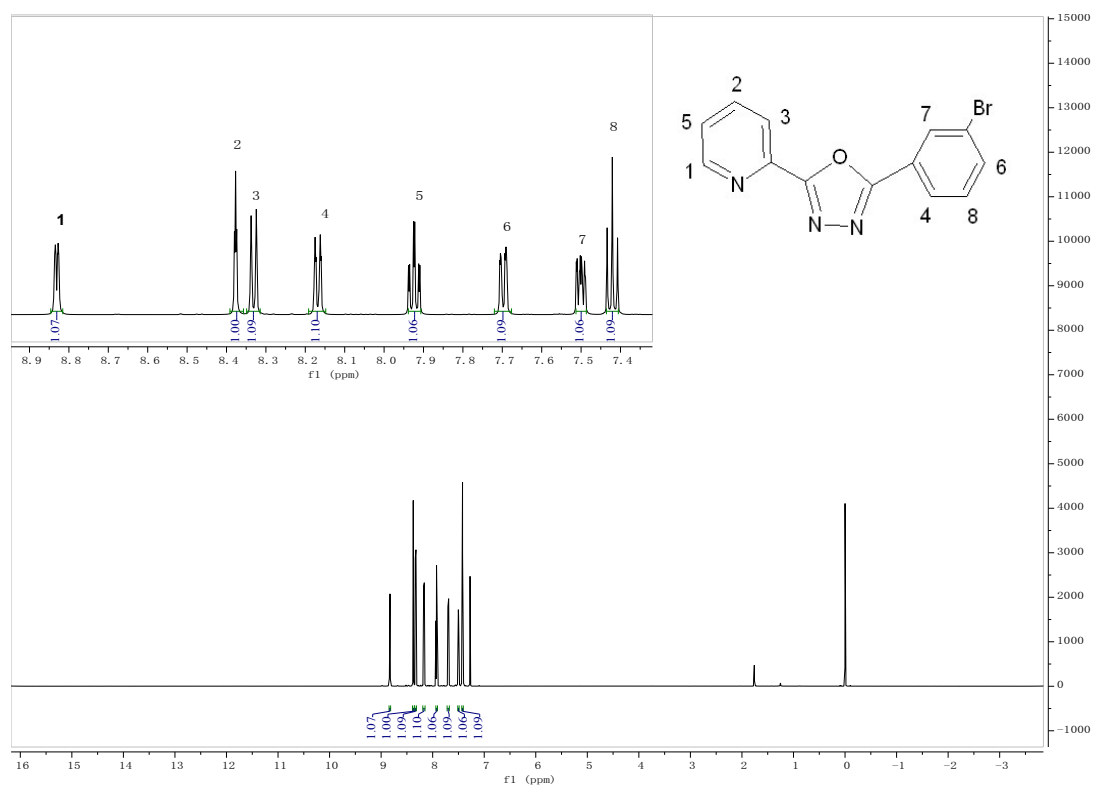


Fig. S3 ^1H NMR of the intermediate

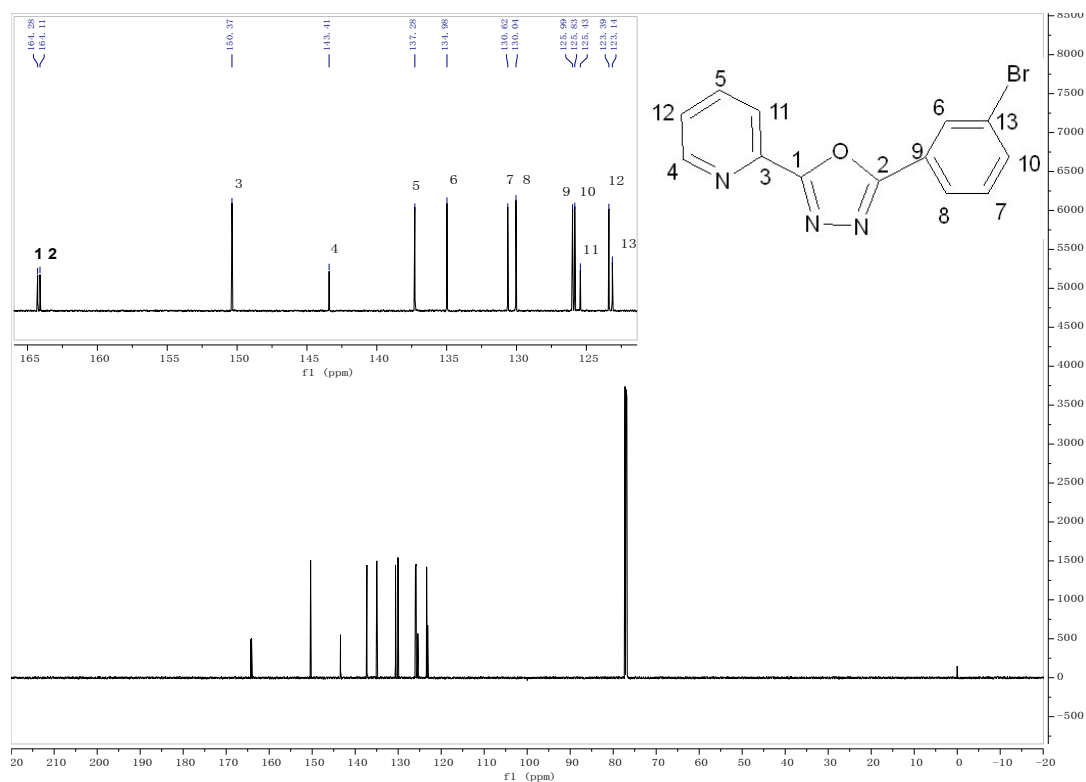


Fig. S4 ^{13}C NMR of the intermediate

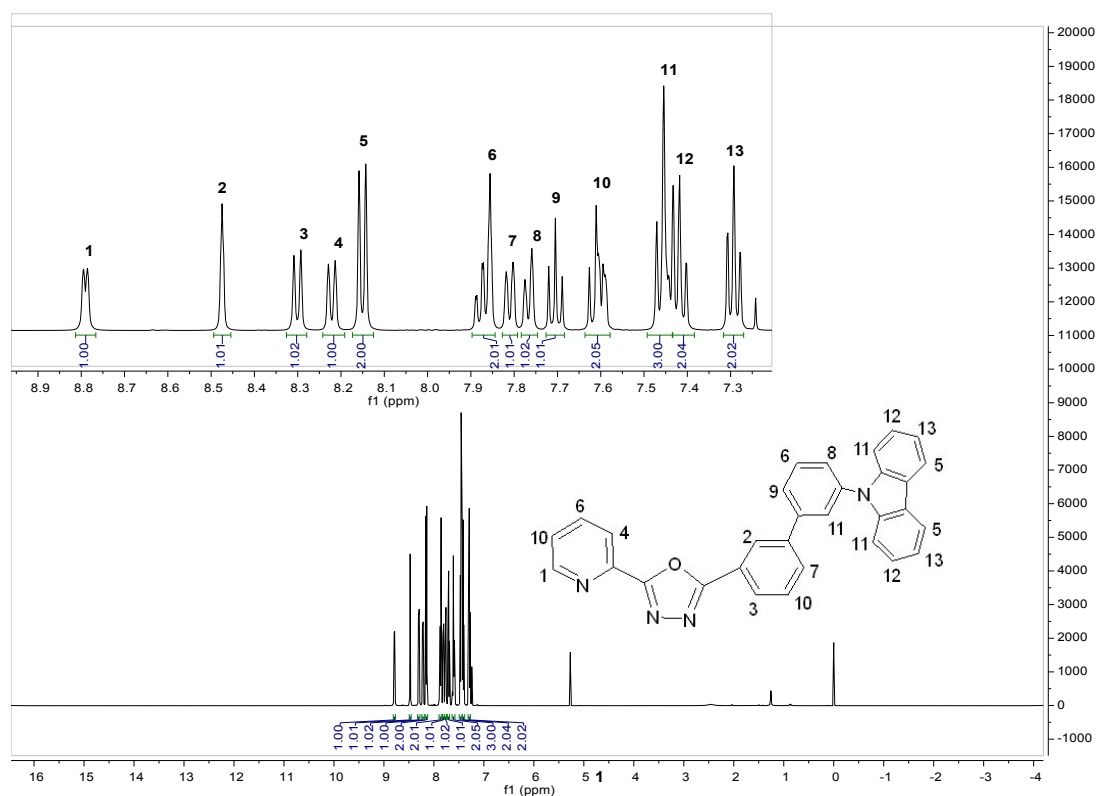


Fig. S5 ^1H NMR of PyOxd-mCz

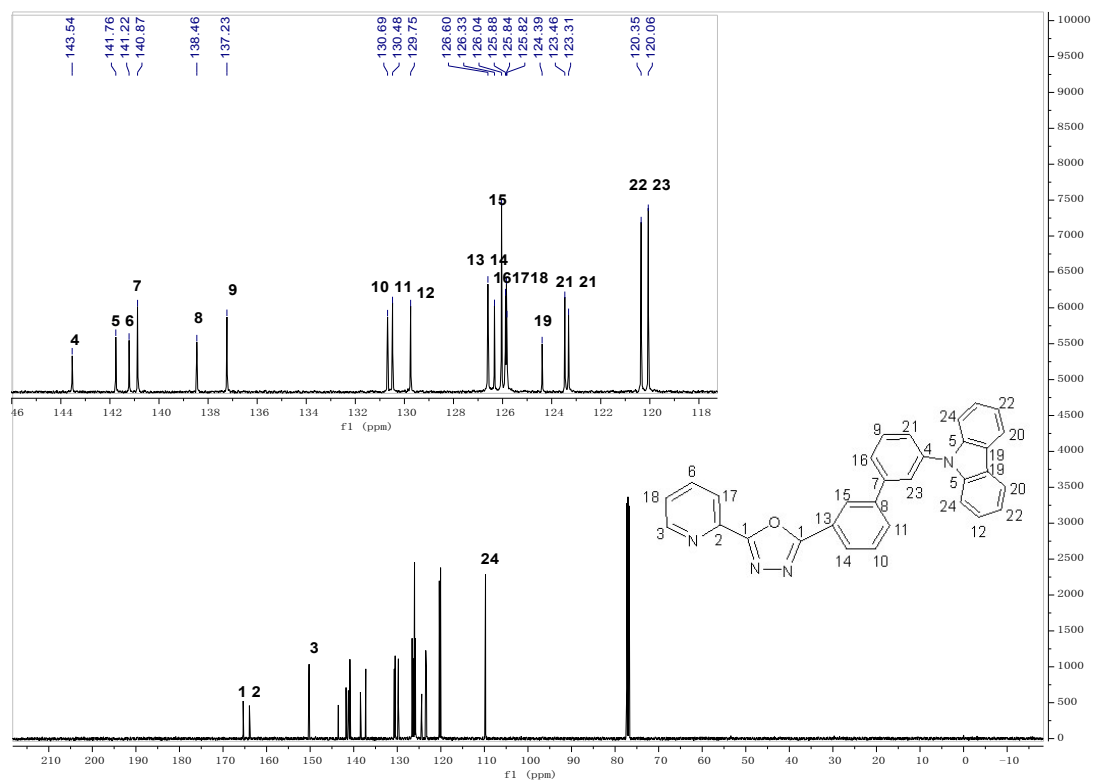


Fig. S6 ^{13}C NMR of PyOxd-mCz

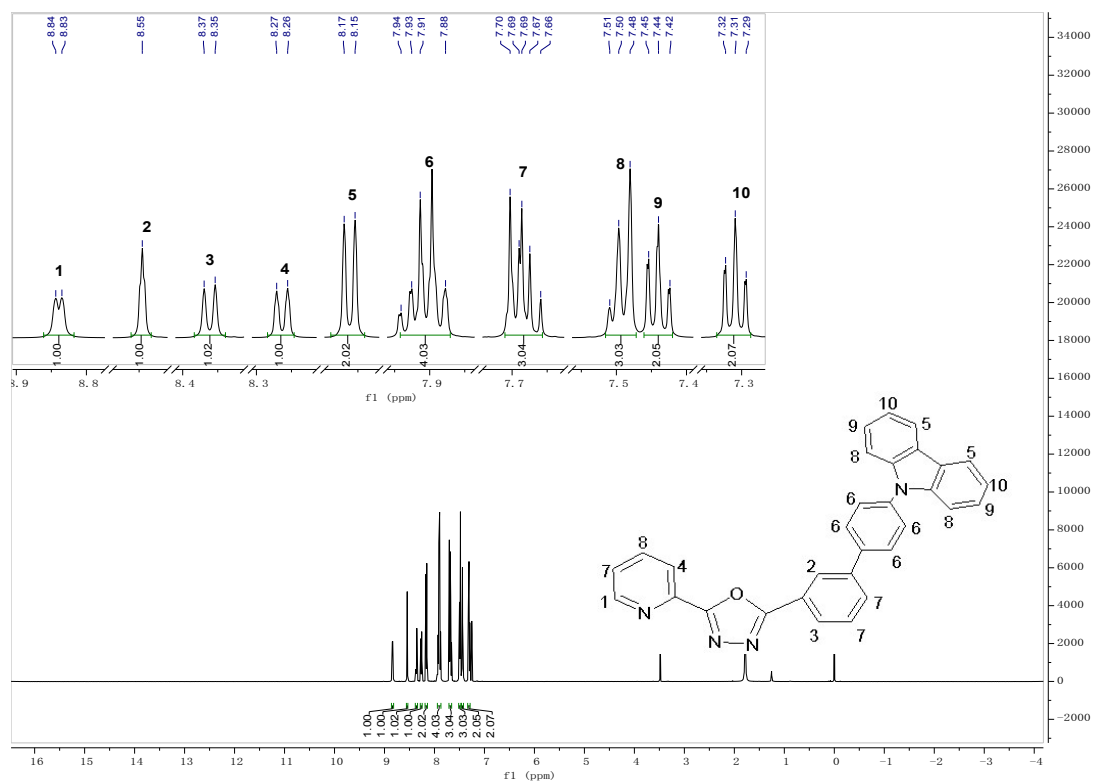


Fig. S7 ^1H NMR of PyOxd-pCz

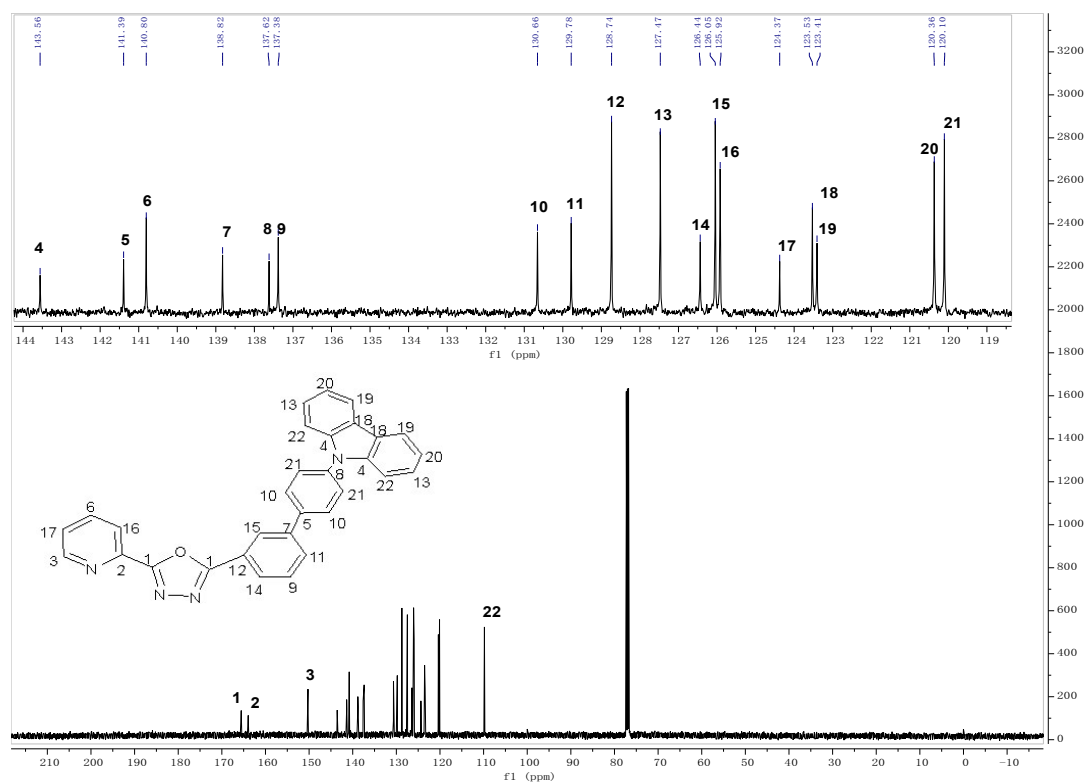


Fig. S8 ^{13}C NMR of PyOxd-pCz

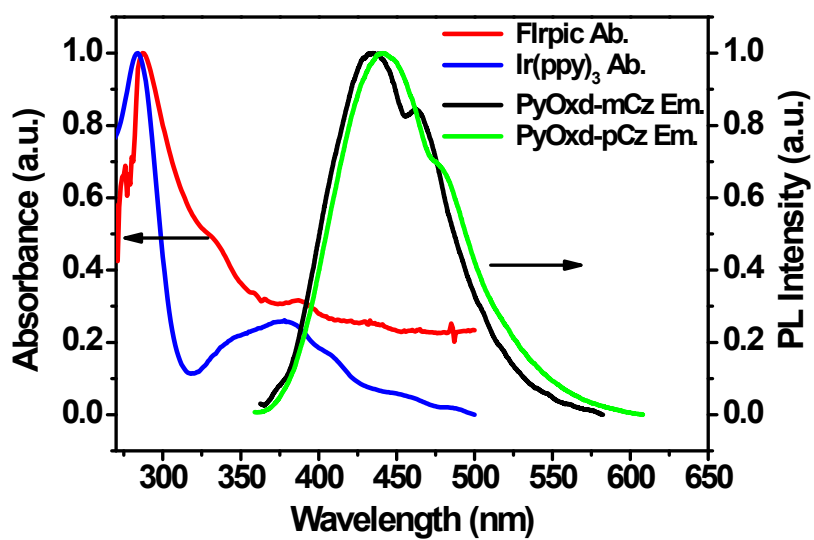


Fig. S9 UV-vis absorption of Firpic and Ir(ppy)₃, room-temperature photoluminescence of PyOxd-mCz and PyOxd-pCz spectra in dilute dichloromethane solutions