

Supporting Information

Constructing High Performance Blue, Yellow and Red Electroluminescent Devices Based on a Class of Multifunctional Organic Materials

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NMR and Mass spectra

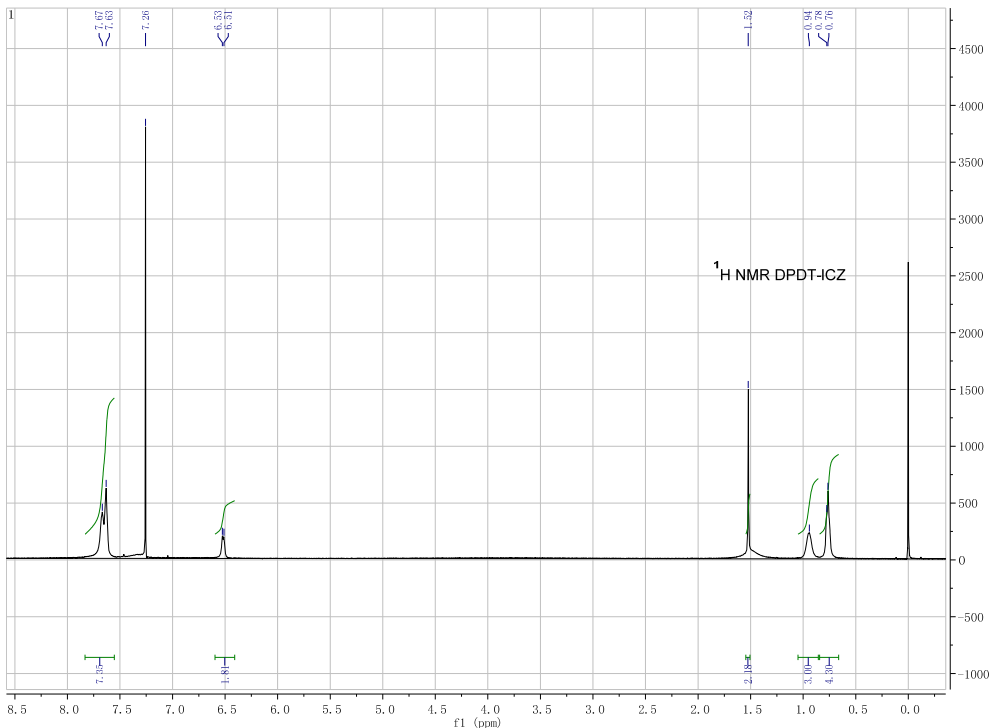


Fig. S1 The ^1H NMR spectrum of DPDT-ICZ.

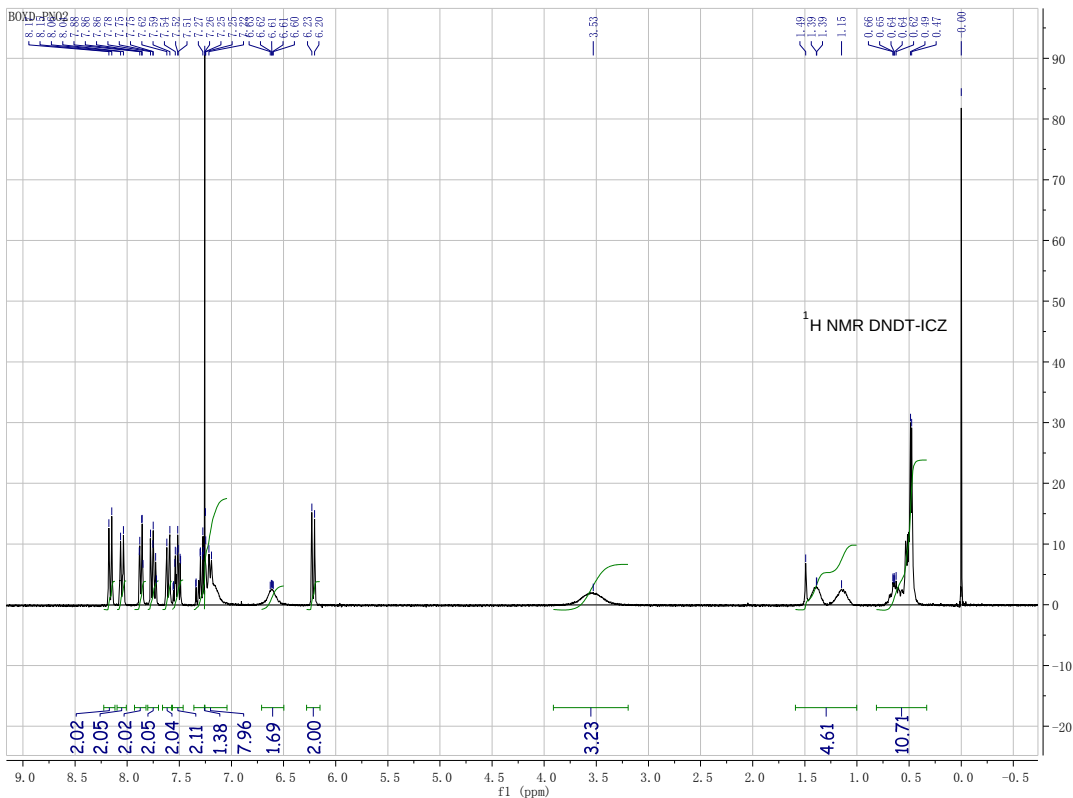


Fig. S2 The ^1H NMR spectrum of DNDT-ICZ.

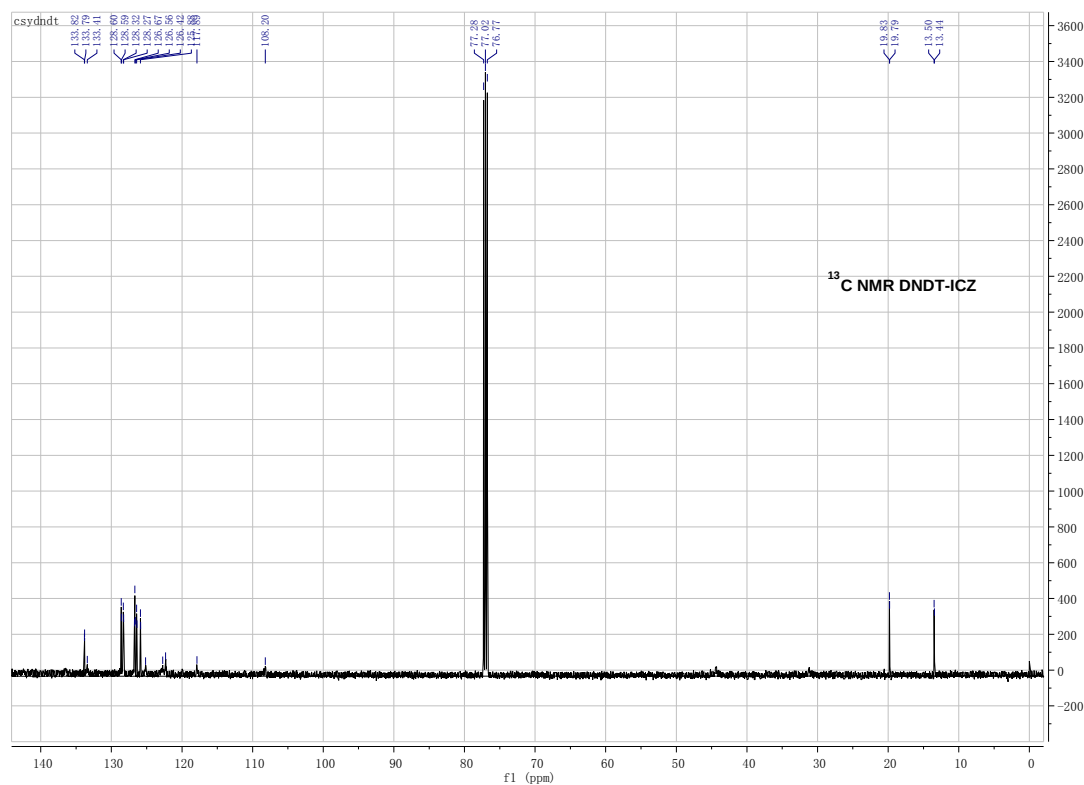


Fig. S3 ^{13}C NMR spectrum of **DNDT-ICZ**.

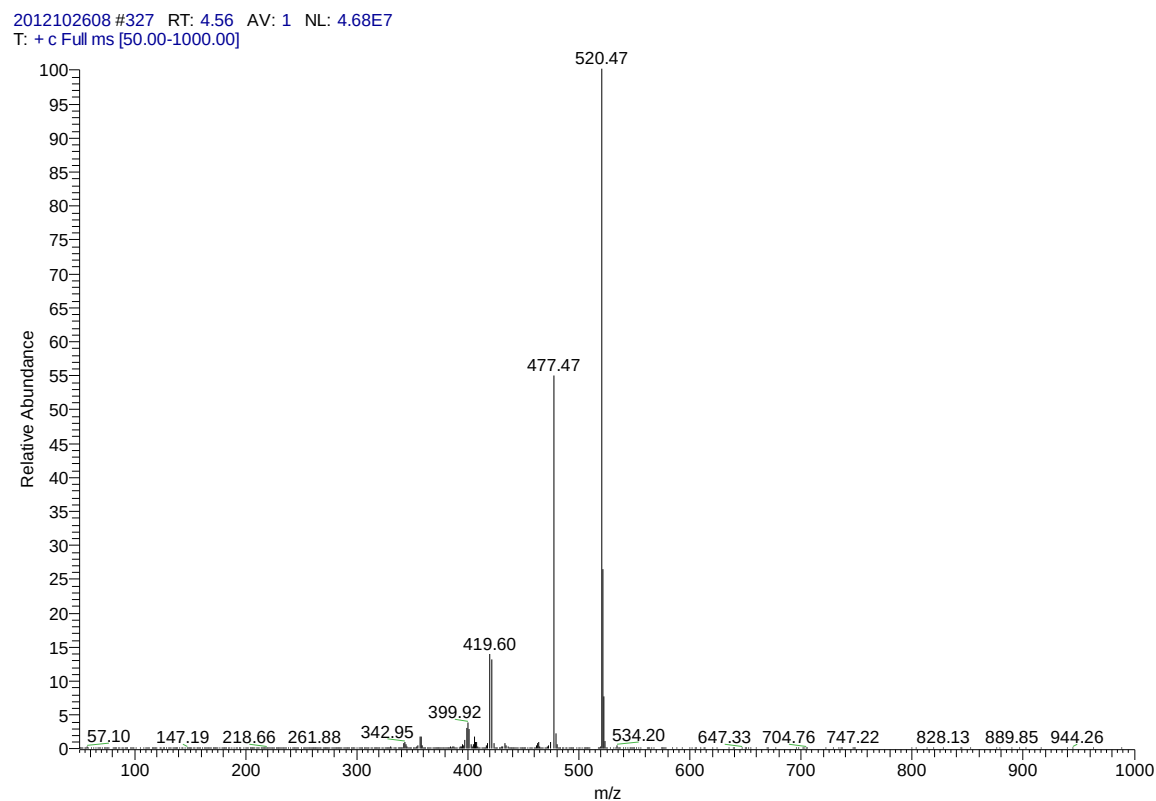


Fig. S4 Mass spectrum of **DPDT-ICZ**.

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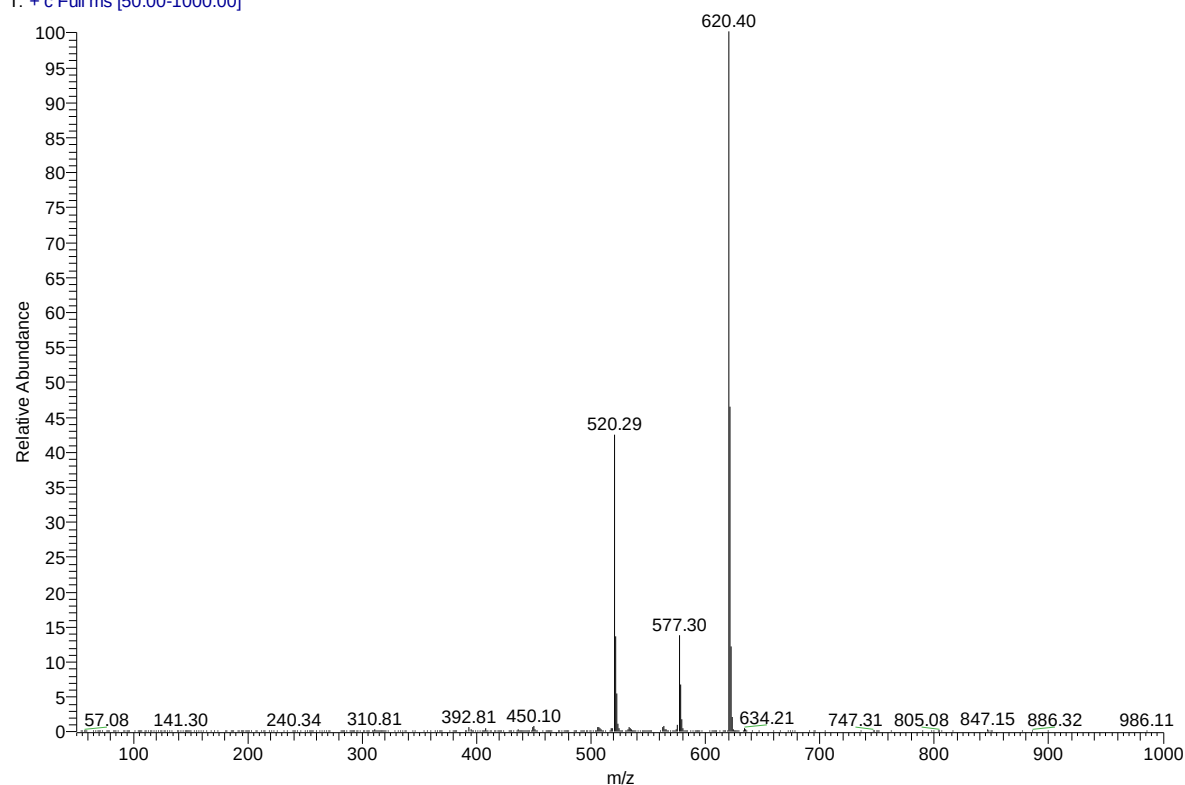


Fig. S5 Mass spectrum of **DNDT-ICZ**.

Thermal Properties

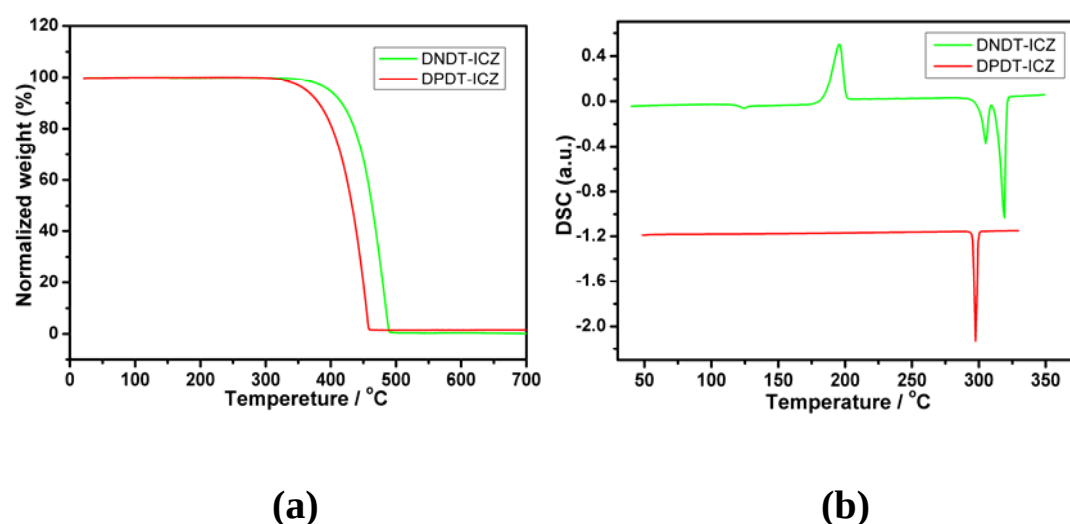
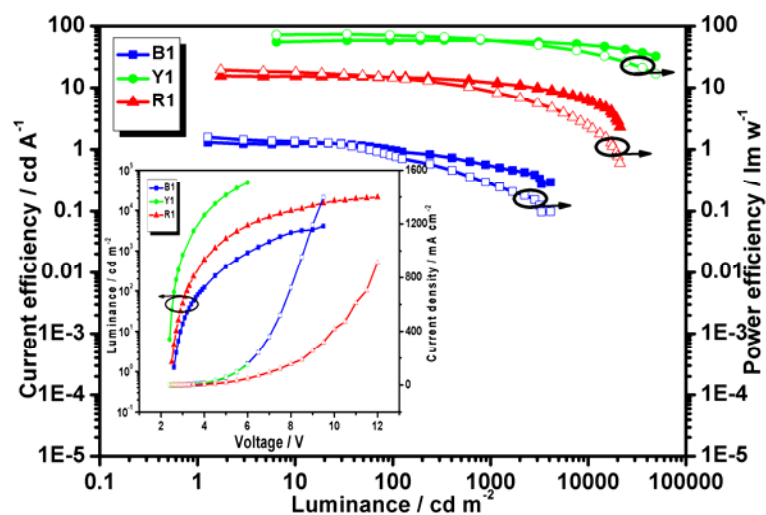
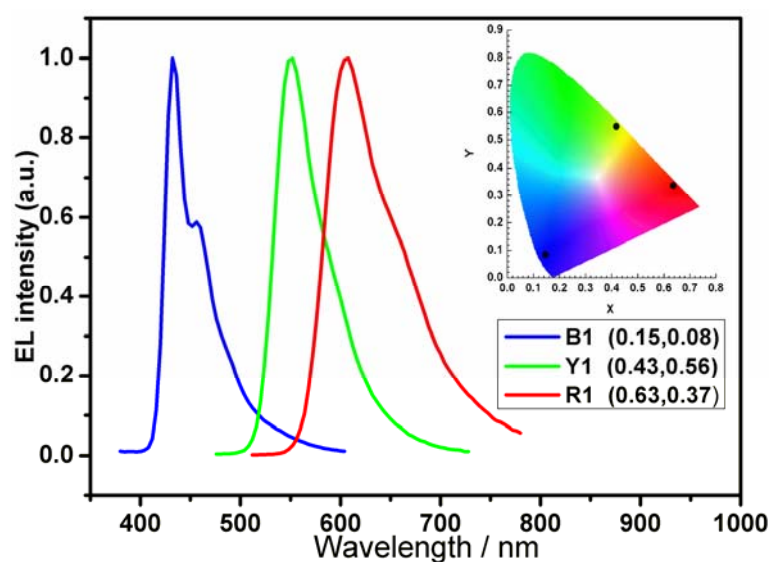


Fig. S6 (a) TGA thermograms of **DNDT-ICZ** and **DPDT-ICZ** recorded at a heating rate of 10 °C min⁻¹ (b) DSC traces of **DNDT-ICZ** and **DPDT-ICZ** recorded at a heating rate of 10 °C min⁻¹.

Devices and Characterization



(a)



(b)

Fig. S7 (a) Current density-Voltage-Luminance (J-V-L) characteristics, current efficiency and power efficiency versus luminance curves; (b) EL spectra and CIE1931 coordinates of devices **B1**, **Y1**, **R1** based on **DPDT-ICZ**.