

*Electronic Supplementary Information (ESI)*

**Crafting NPB with tetraphenylethene: a win-win  
strategy to create stable and efficient solid-state  
emitter with aggregation-induced emission feature,  
high hole-transporting property and efficient  
electroluminescence**

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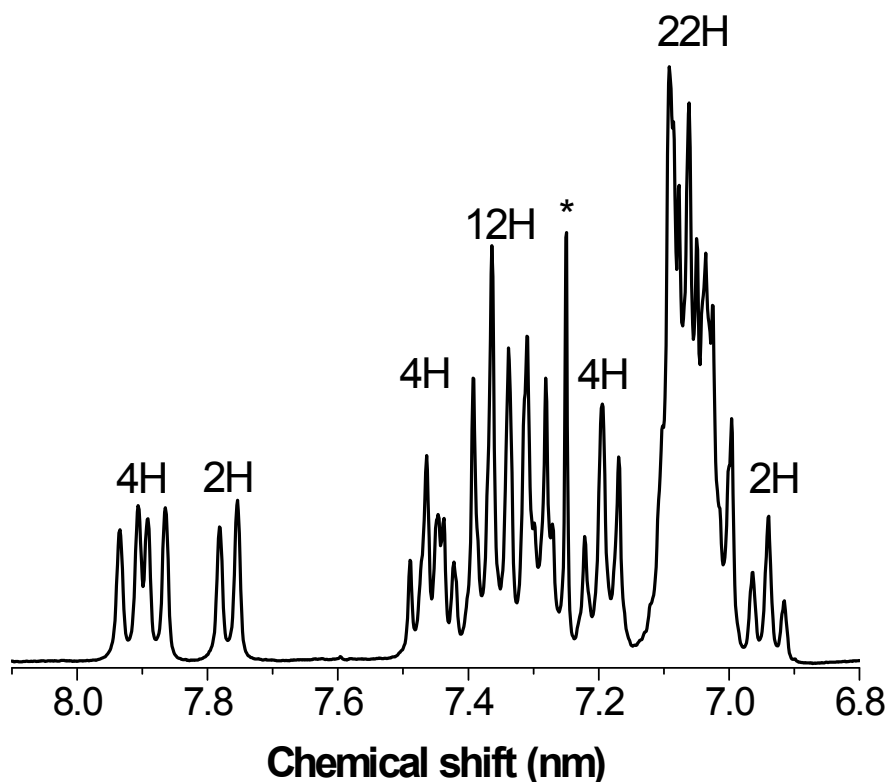
**Figure S2.** High resolution mass spectrum of TPE-NPB.

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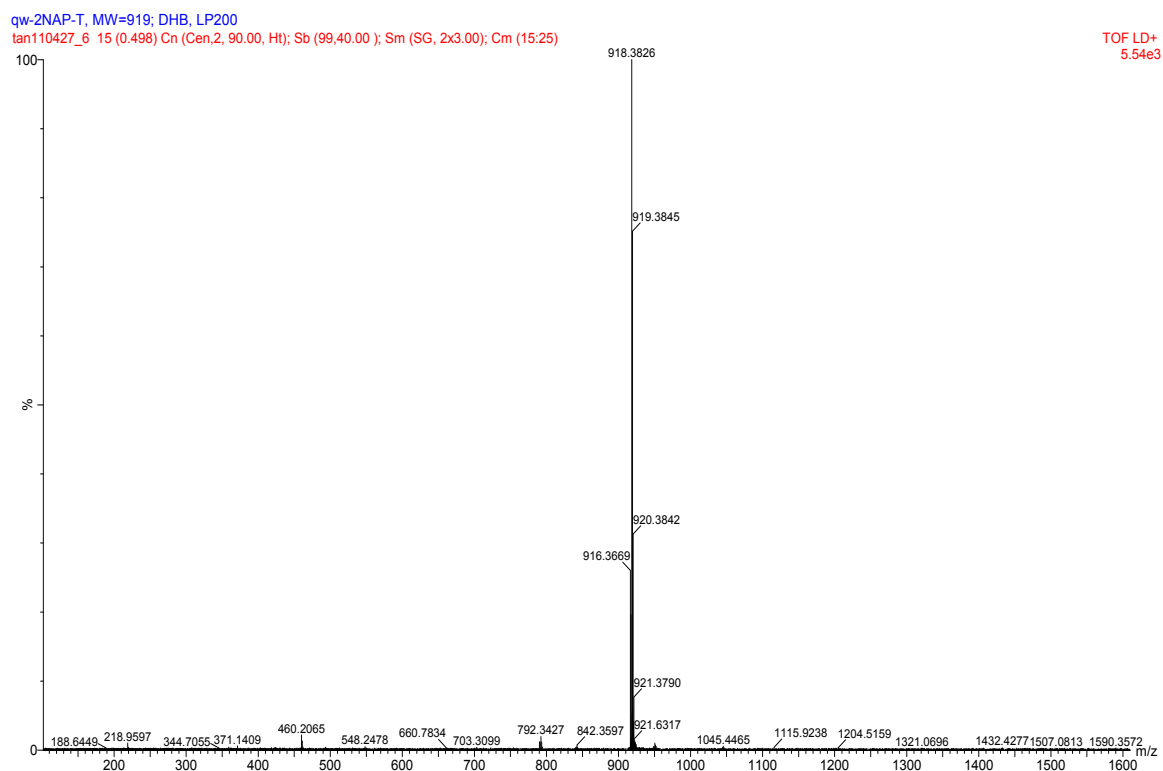
**Figure S4.** Cyclic voltammogram of TPE-NPB measured in dichloromethane containing 0.1 M tetra-*n*-butylammonium hexafluorophosphate. Scan rate = 100 mV/s.

**Figure S5.** Changes in current and luminance with the applied voltage in a single-layer EL device of TPE-NPB with a configuration of ITO/TPE-NPB/LiF/Al. Inset: EL spectrum of the device.

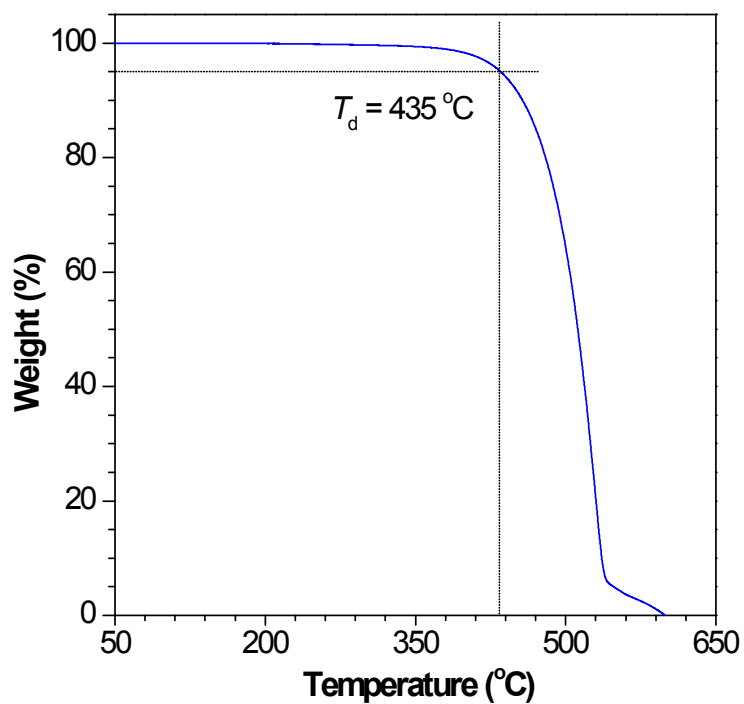
**Table S1.** Summary of angles in TPE-NPB.



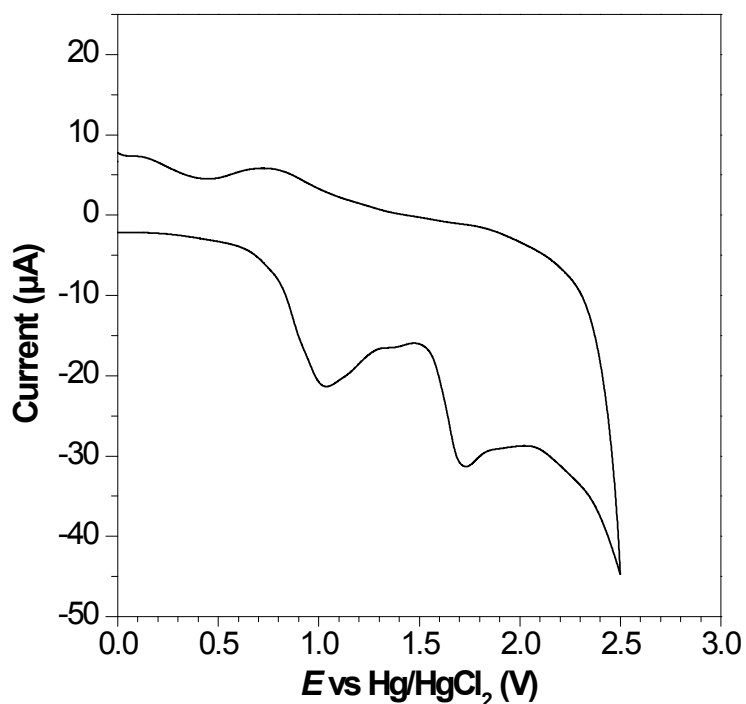
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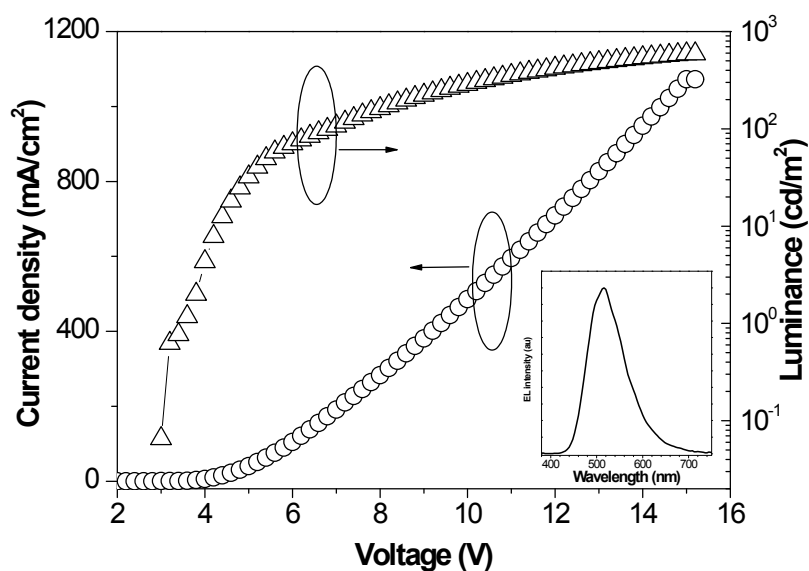
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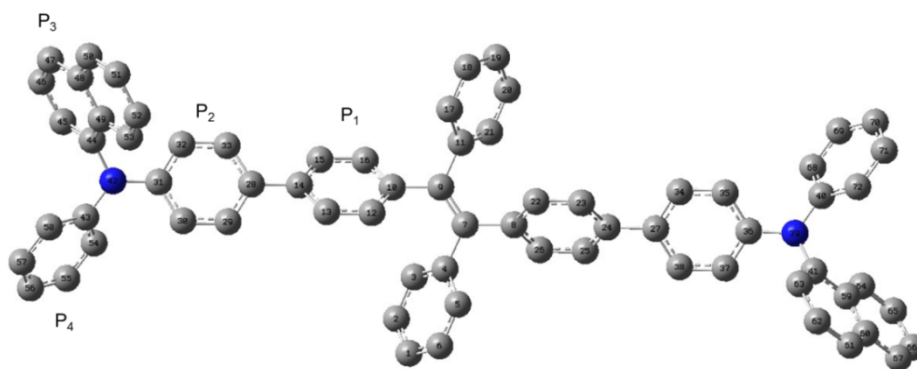


Table S1. Summary of angles for TPE-NPB

	Torsion angles (°)
C3-C4-C7-C9	50.1
C12-C10-C9-C7	48.2
C21-C11-C9-C7	50.2
C22-C8-C7-C9	48.1
Angles between planes (°)	
P <sub>1</sub> -P <sub>2</sub>	~34
P <sub>2</sub> -P <sub>3</sub>	~79
P <sub>2</sub> -P <sub>4</sub>	~63
P <sub>3</sub> -P <sub>4</sub>	~83