

*Electronic Supporting Information*

# **A novel triphenylacrylonitrile based AIEgen for high contrast mechanchromism and bicolor electroluminescence**

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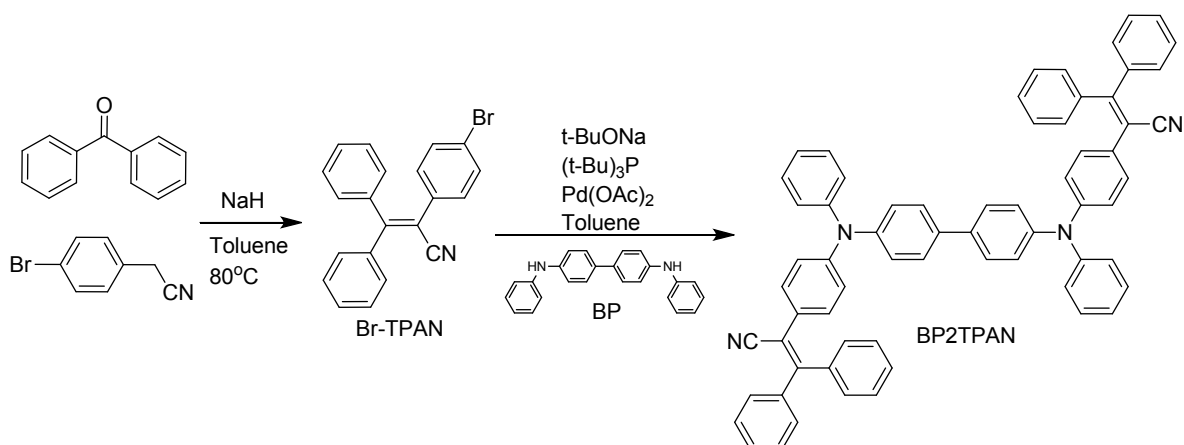
**Fig. S2** Photographs of isolated BP2TPAN on TLC plate under 254 nm UV light irradiation after being developed in 1/1 petroleum ether-Chloroform mixture.

**Fig. S3**  $^1\text{H-NMR}$  spectrum of BP2TPAN in  $\text{THF-}d_8$ .

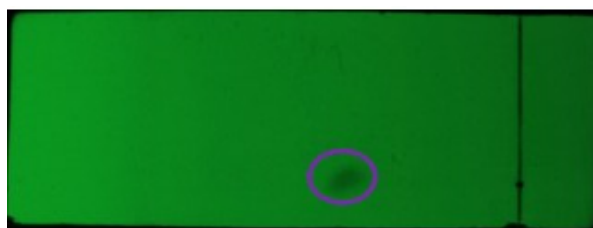
**Fig. S4** HRMS spectrum of BP2TPAN.

**Fig. S5** UV-Vis spectrum of BP2TPAN in THF.

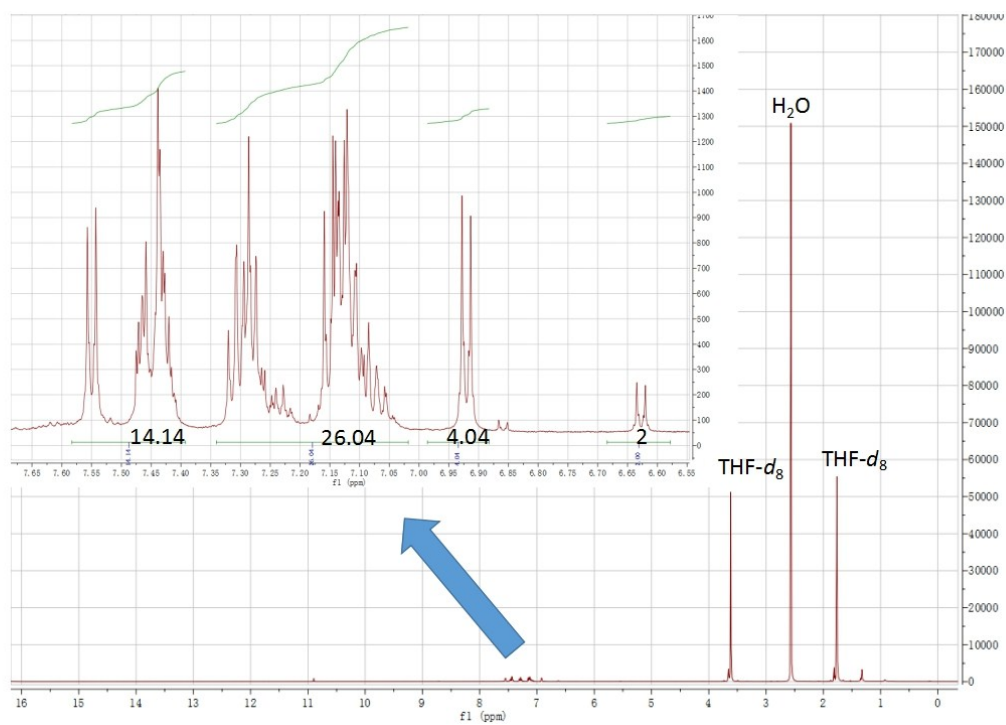
**Fig.S6** Commission Internationale de L'Eclairage coordinates of the OLED doped and undoped devices of BPA2TPAN.



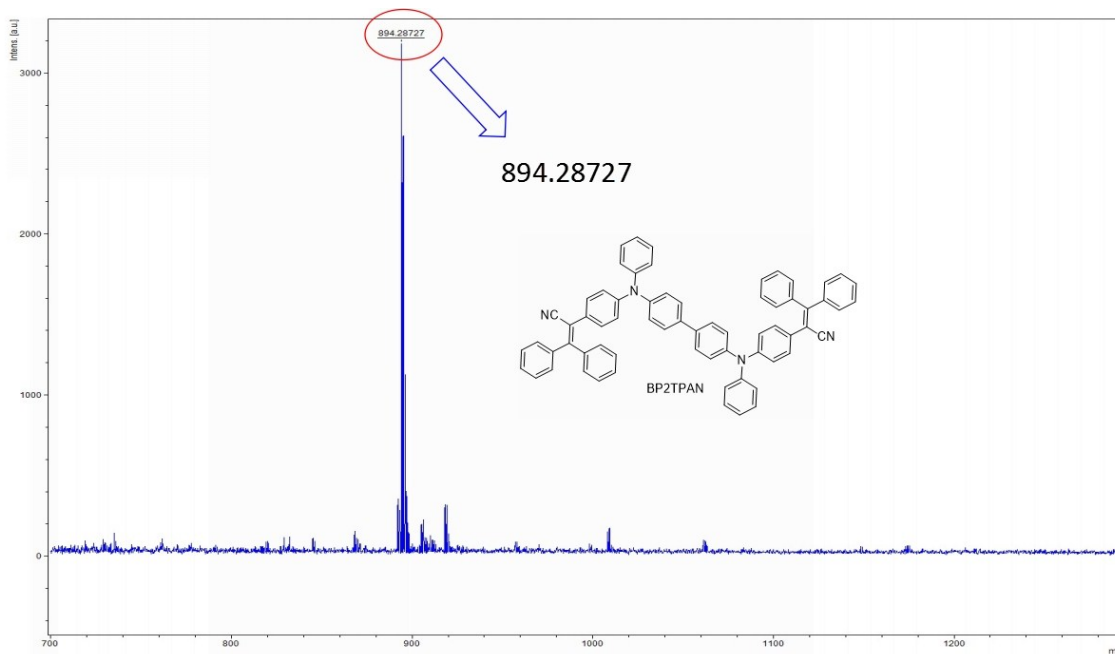
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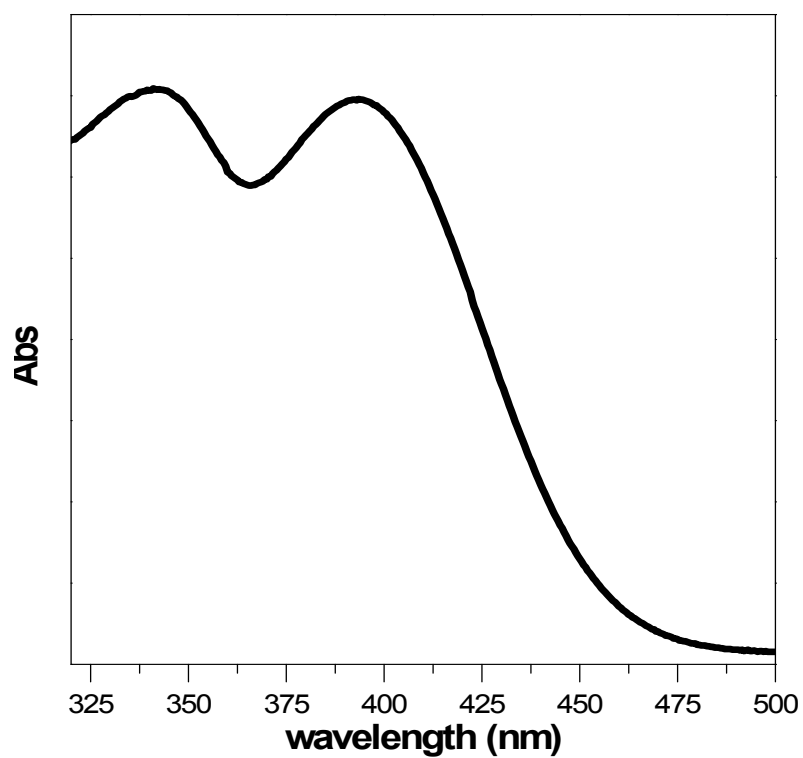
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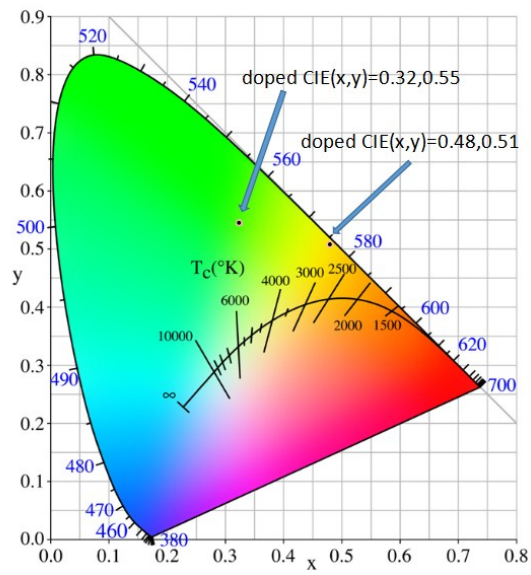
**Fig. S3** <sup>1</sup>H-NMR spectrum of BP2TPAN in THF-*d*<sub>8</sub>.



**Fig. S4** HRMS spectrum of BP2TPAN.



**Fig. S5** UV-Vis spectrum of BP2TPAN in THF. Concentration = 5  $\mu$ M.



**Fig.S6** Commission Internationale de L'Eclairage coordinates of the OLED doped and nondoped devices of BPA2TPAN.