

Supporting Information

Moiety effect on luminescent property of star-shaped triphenyl amine (TPA) derivatives as mechanochromic material

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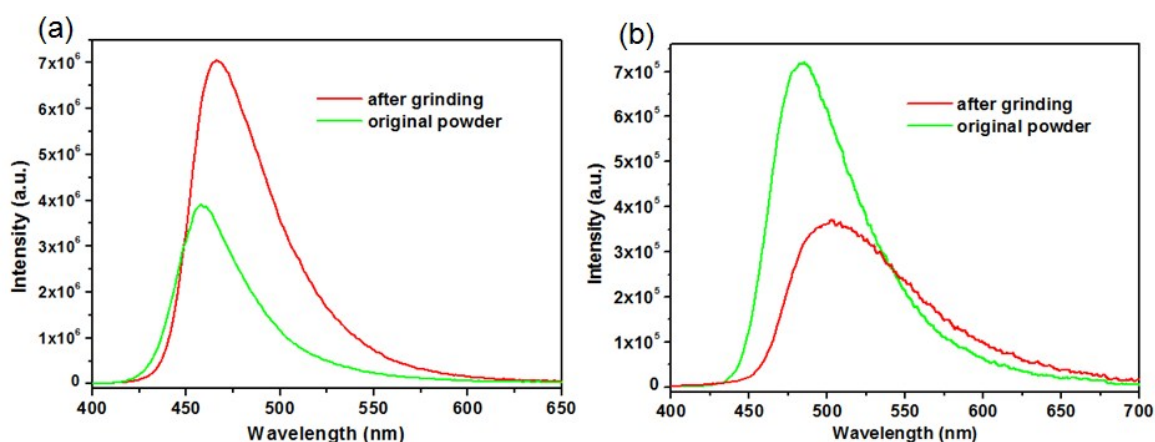


Fig. S1. The fluorescence spectra of original and ground powder of Ester-TPA (a) and COOH-TPA (b).

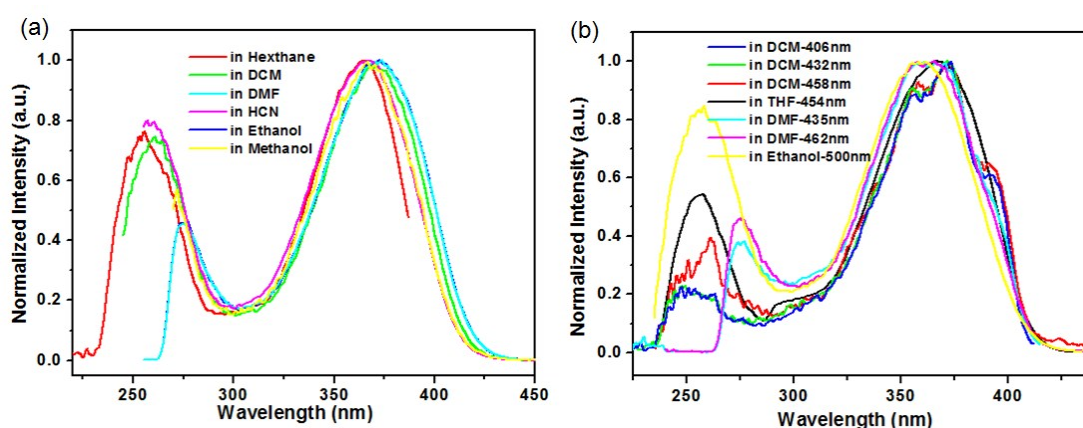


Fig. S2. The excitation spectra of Ester-TPA(a) and COOH-TPA(b) in different solvents.

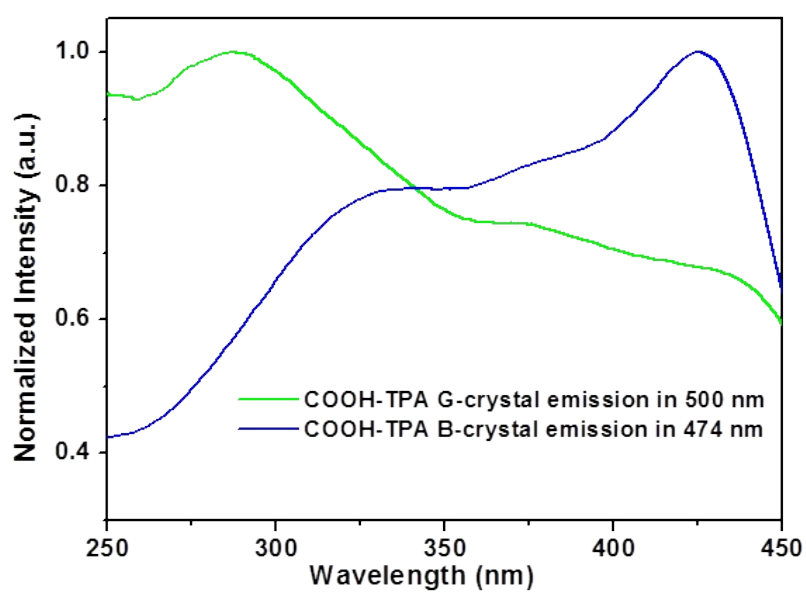


Fig. S3. The excitation spectra of B-crystal and G-crystal for COOH-TPA.

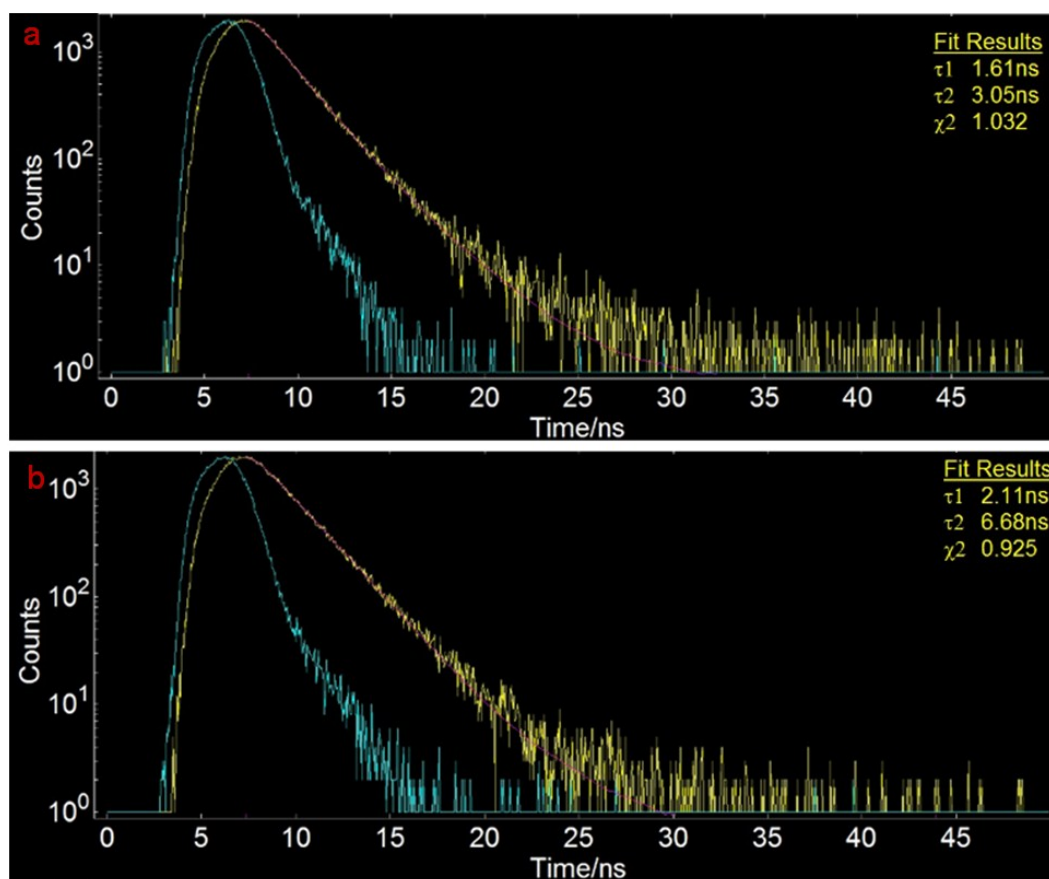
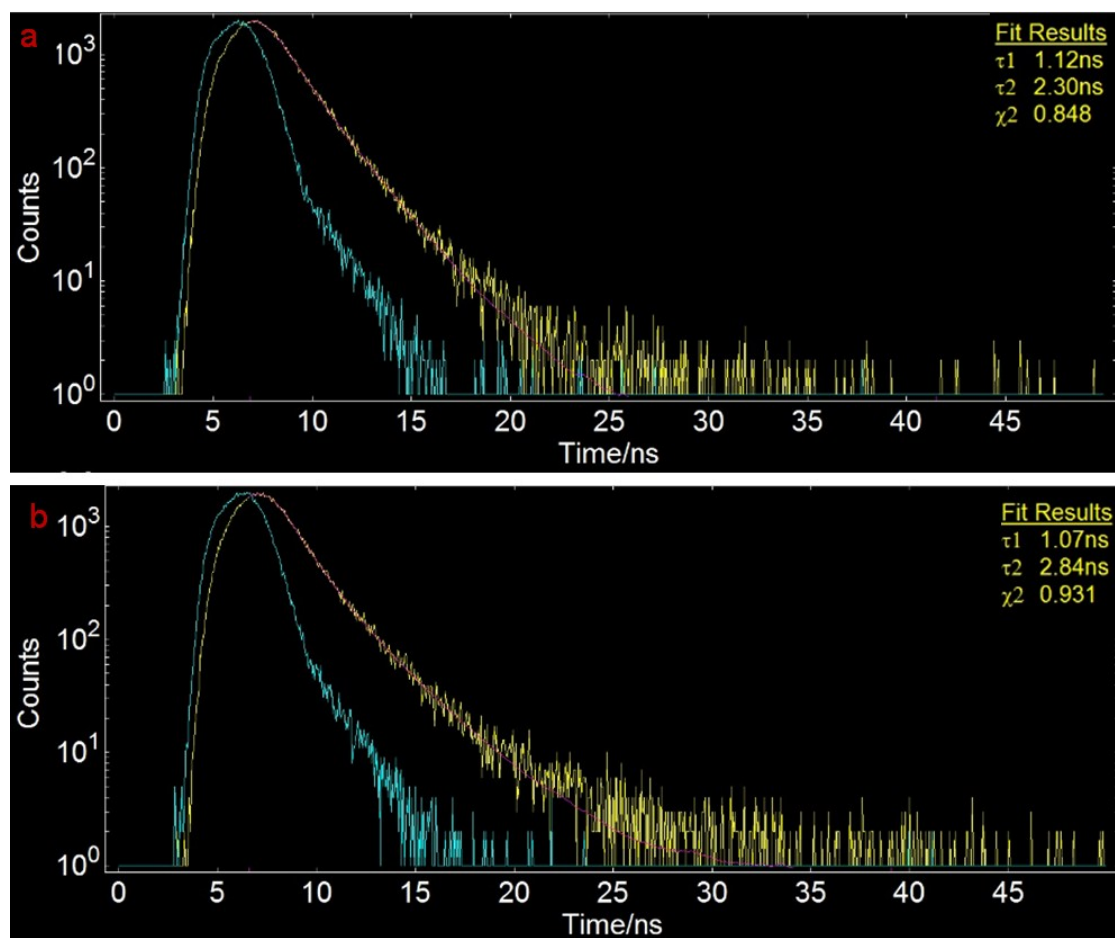


Fig. S4. The fluorescence lifetime spectra of Ester-TPA: original powder (a) and ground powder (b).



FigS5. The fluorescence lifetime spectra of COOH-TPA: original powder (a) and ground powder (b)

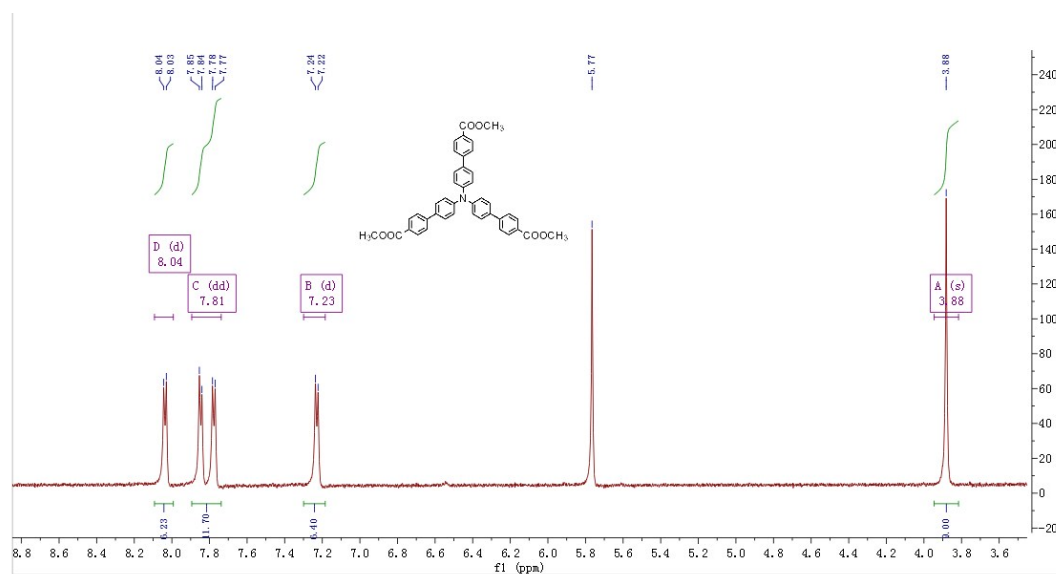


Fig. S6. ¹H NMR of Ester-TPA.

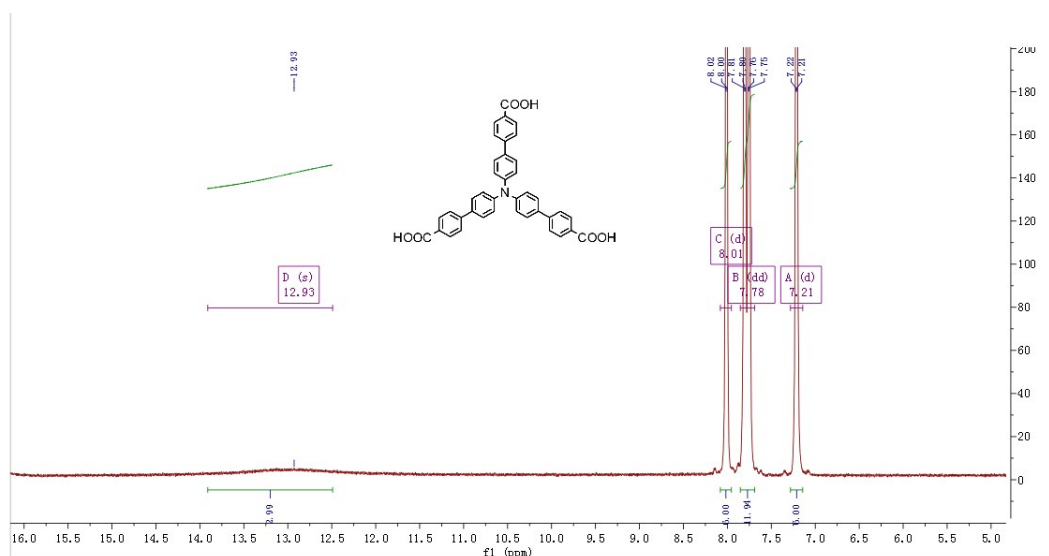


Fig. S7. ¹H NMR of COOH-TPA.

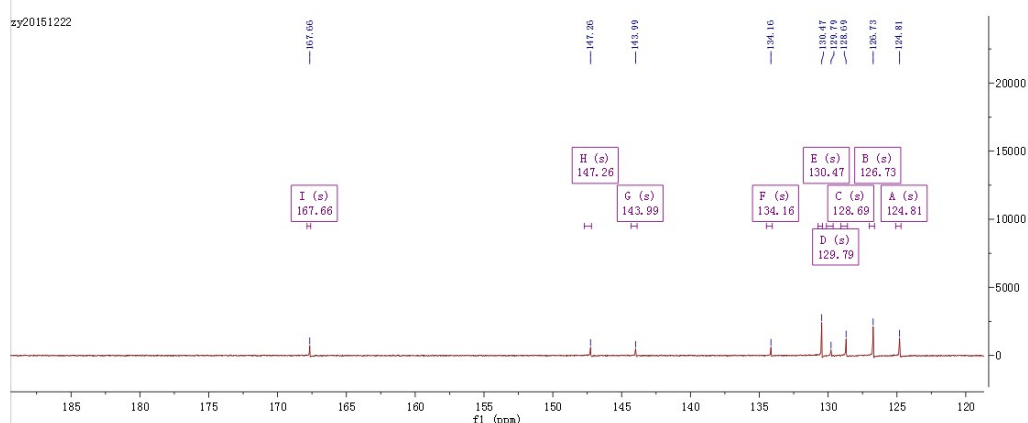


Fig. S8. ¹³C NMR of COOH-TPA.