

Inexpensive and valuable: A series of new luminogenic molecules with tetraphenylethene core having excellent aggregation induced emission properties

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Table of Contents

Fig. S1 ¹ H NMR spectrum of TIPE.....	S2
Fig. S2 ¹³ C NMR spectrum of TIPE.....	S2
Fig. S3 ¹ H NMR spectrum of TTBCPE.....	S3
Fig. S4 ¹³ C NMR spectrum of TTBCPE.....	S3
Fig. S5 ¹ H NMR spectrum of TDCPE.....	S4
Fig. S6 ¹³ C NMR spectrum of TDCPE.....	S4
Fig. S7 HRMS spectrum of TIPE.....	S5
Fig. S8 HRMS spectrum of TTBCPE.....	S5
Fig. S9 HRMS spectrum of TDCPE.....	S6
Fig. S10 PL spectra of TIPE, TTBCPE and TDCPE.....	S6
Fig. S11 UV-Vis spectra of TIPE	S7
Fig. S12 UV-Vis spectra of TTBCPE	S7
Fig. S13 UV-Vis spectra of TDCPE	S8
Fig. S14 CV spectra of TIPE with 10 cycles.....	S8

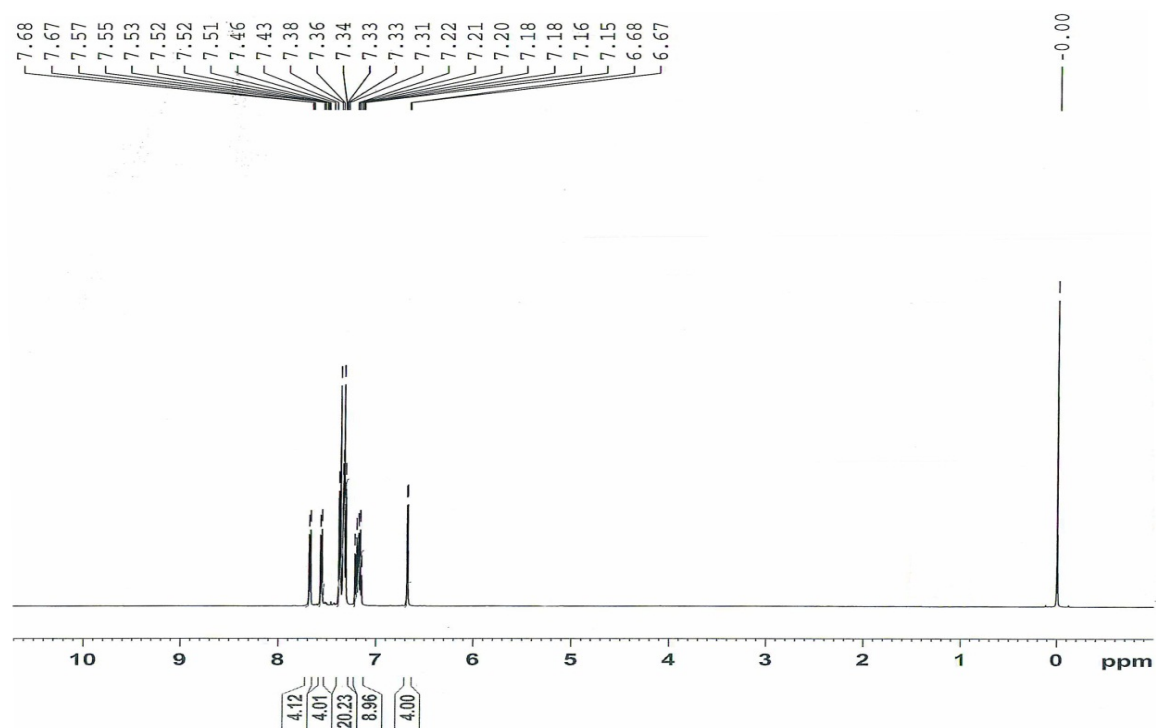


Fig. S1 ¹H NMR spectrum of TIPE

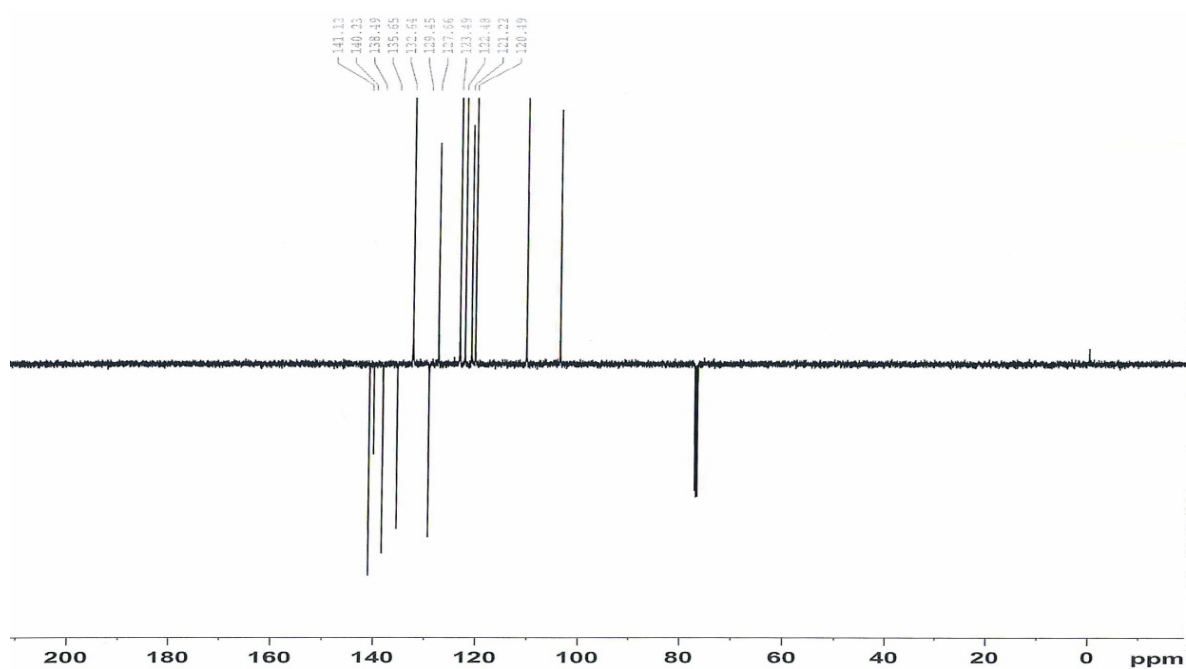


Fig. S2 ¹³C NMR spectrum of TIPE

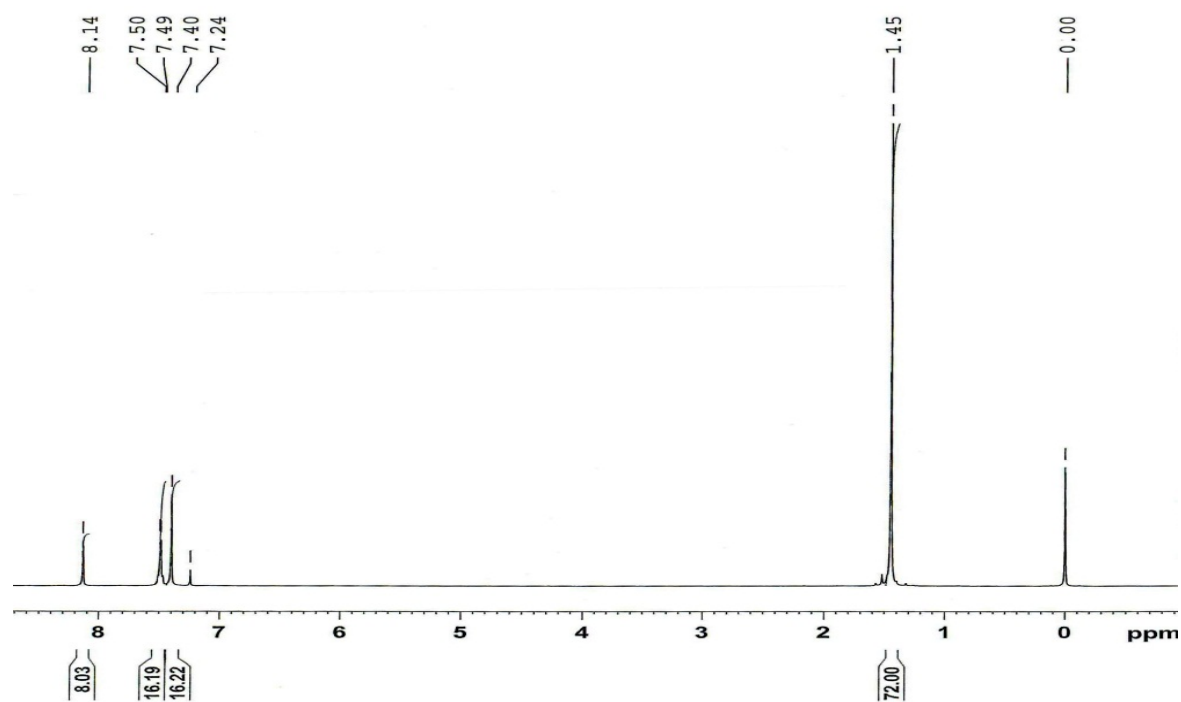


Fig. S3 ¹H NMR spectrum of TTBCPE

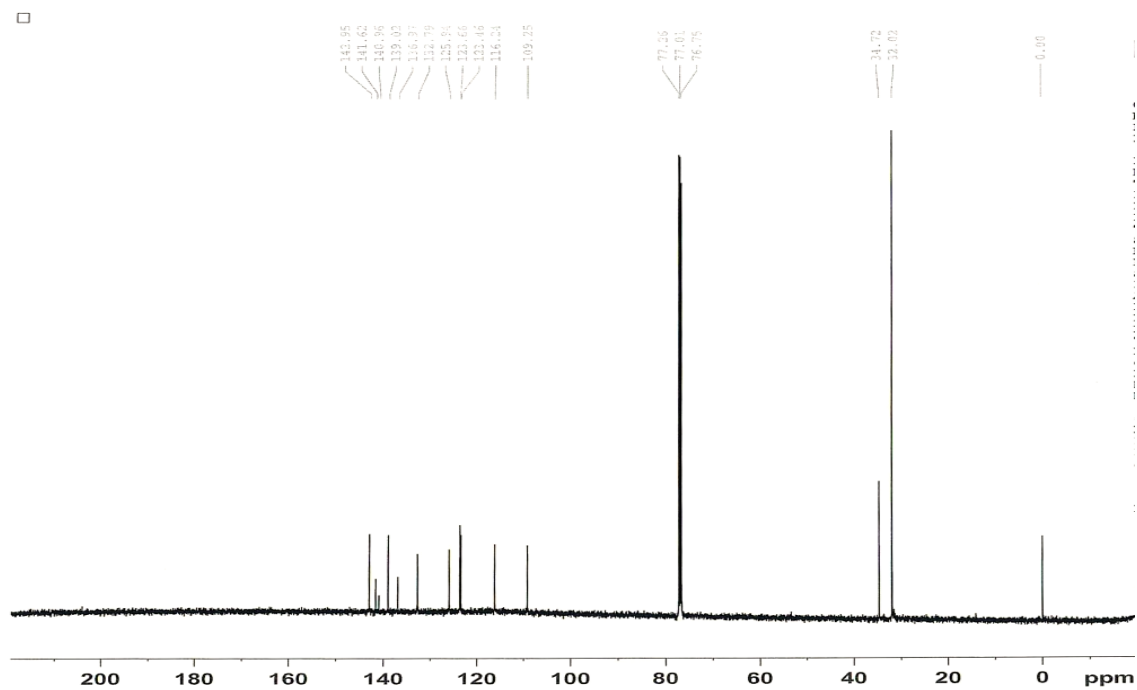


Fig. S4 ¹³C NMR spectrum of TTBCPE

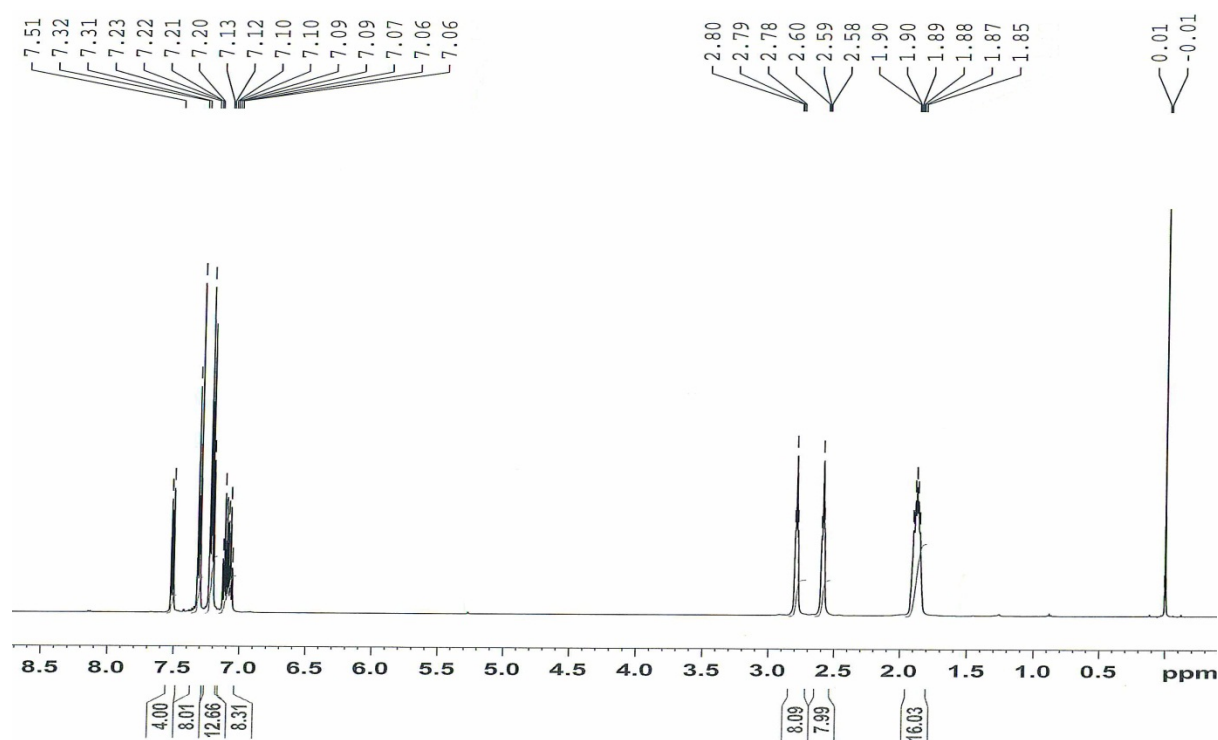


Fig. S5 ¹H NMR spectrum of TDCPE

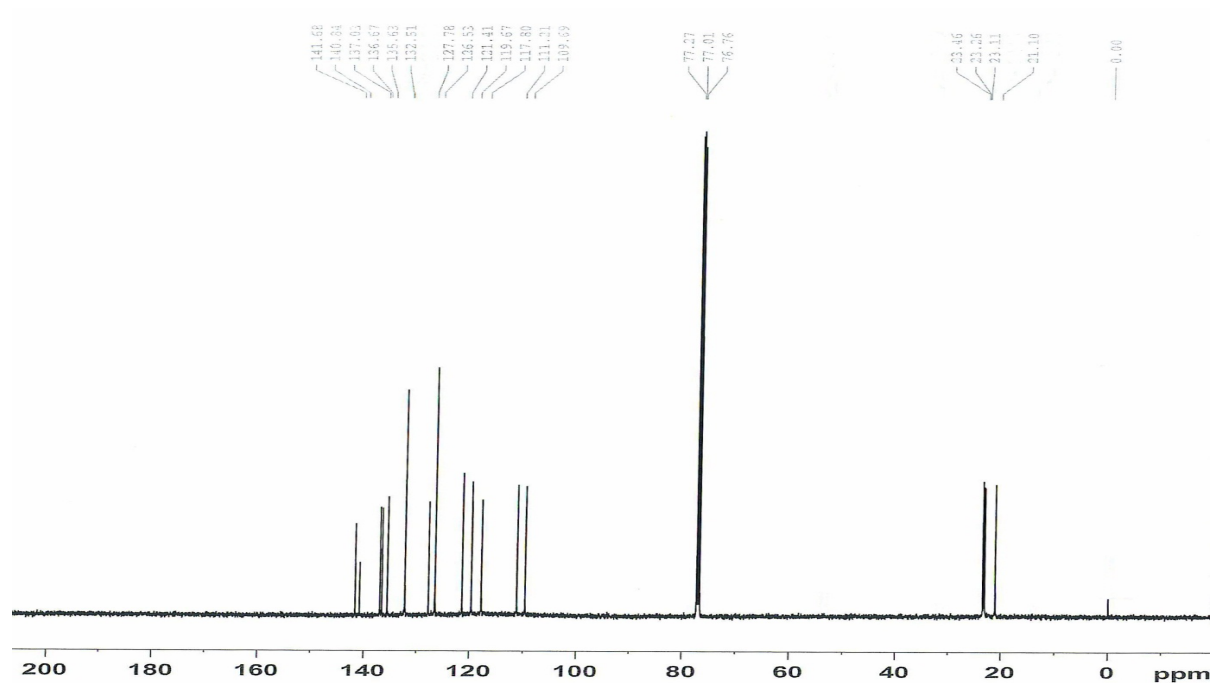


Fig. S6 ¹³C NMR spectrum of TDCPE

Acquisition Parameter					
Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.2 Bar
Focus	Not active	Set Capillary	4500 V	Set Dry Heater	180 °C
Scan Begin	50 m/z	Set End Plate Offset	-500 V	Set Dry Gas	3.0 l/min
Scan End	1000 m/z			Set Divert Valve	Waste

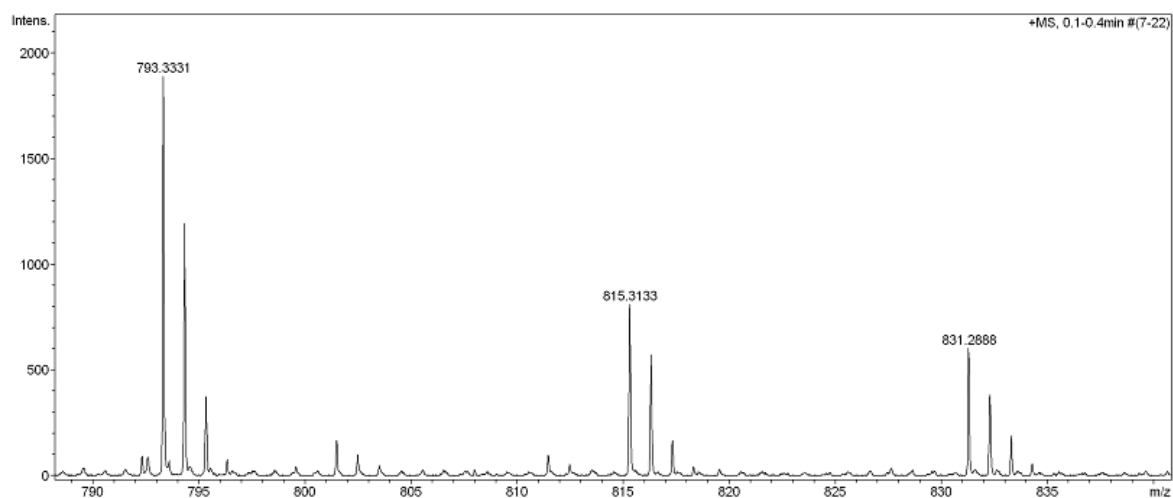


Fig. S7 HRMS spectrum of TIPE

Acquisition Parameter					
Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.4 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	180 °C
Scan Begin	50 m/z	Set End Plate Offset	-500 V	Set Dry Gas	4.0 l/min
Scan End	2500 m/z	Set Collision Cell RF	500.0 Vpp	Set Divert Valve	Waste

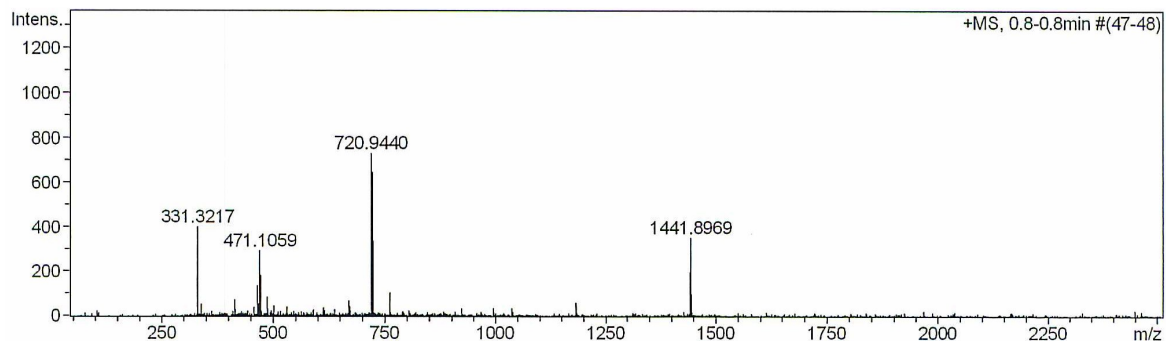


Fig. S8 HRMS spectrum of TTBCPE

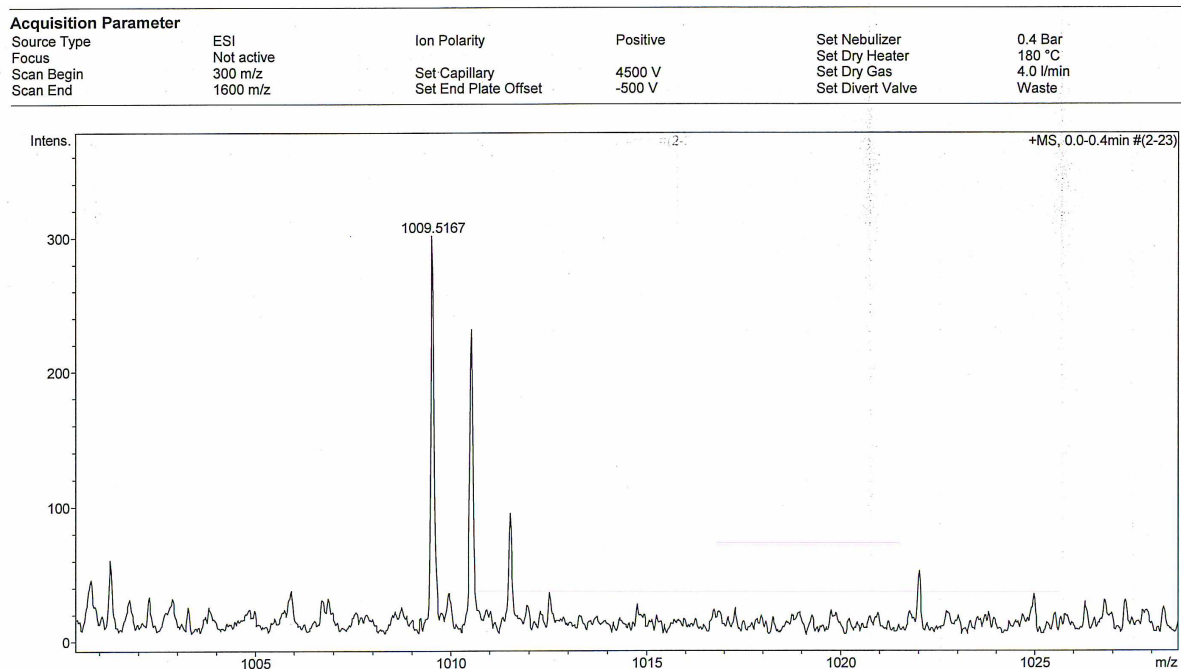


Fig. S9 HRMS spectrum of TDCPE

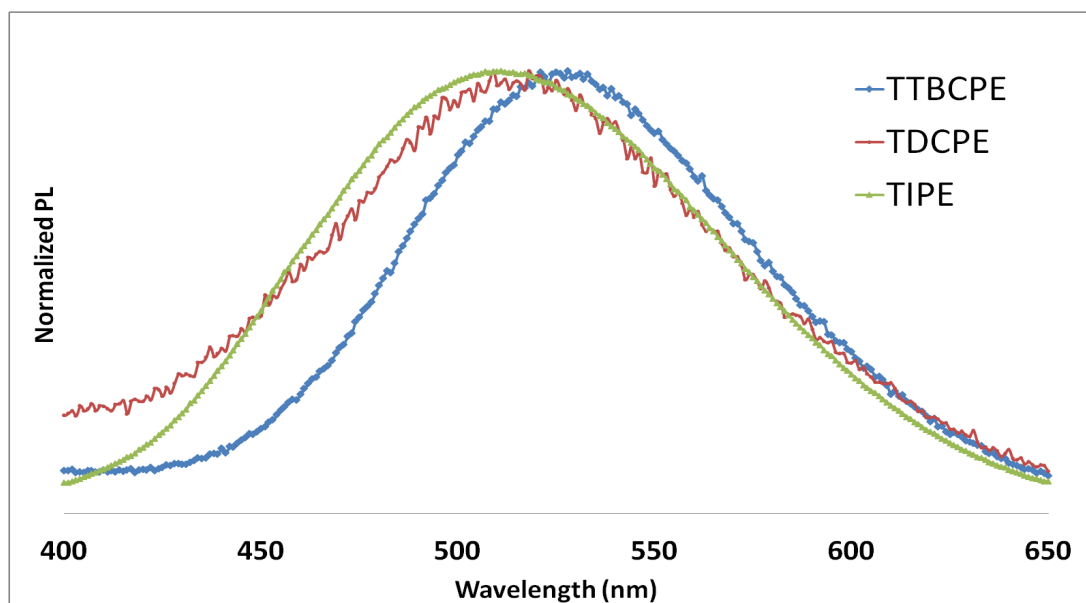


Fig. S10 PL spectra of TIPE, TTBCPE and TDCPE

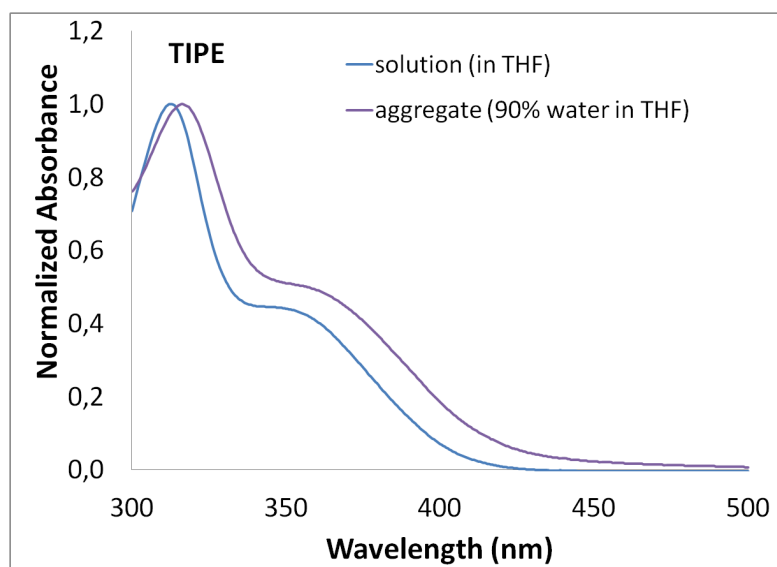


Fig. S11 UV-Vis spectra of TIPE

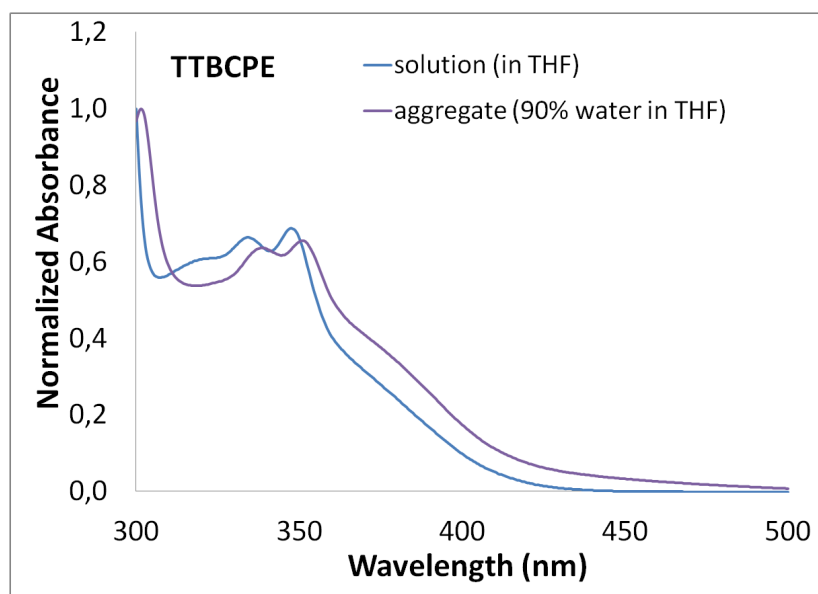


Fig. S12 UV-Vis spectra of TTBCPE

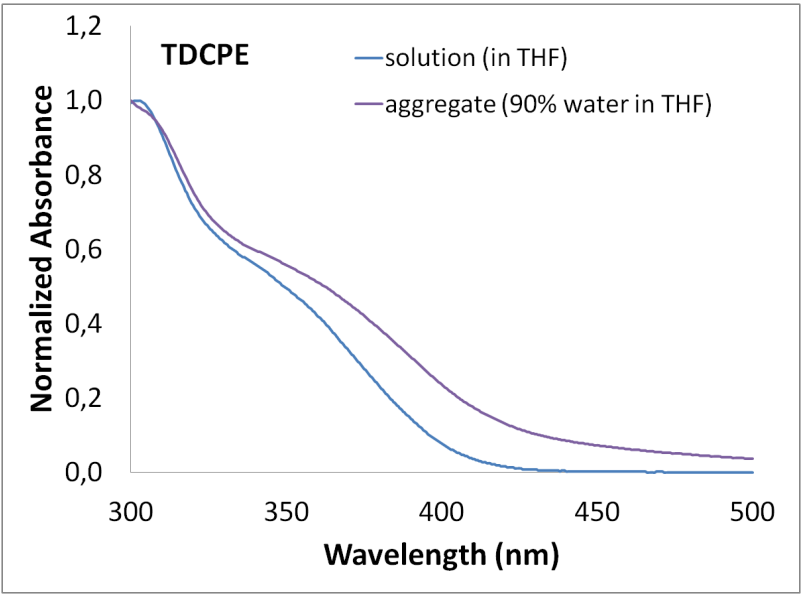


Fig. S13 UV-Vis spectra of TDCPE

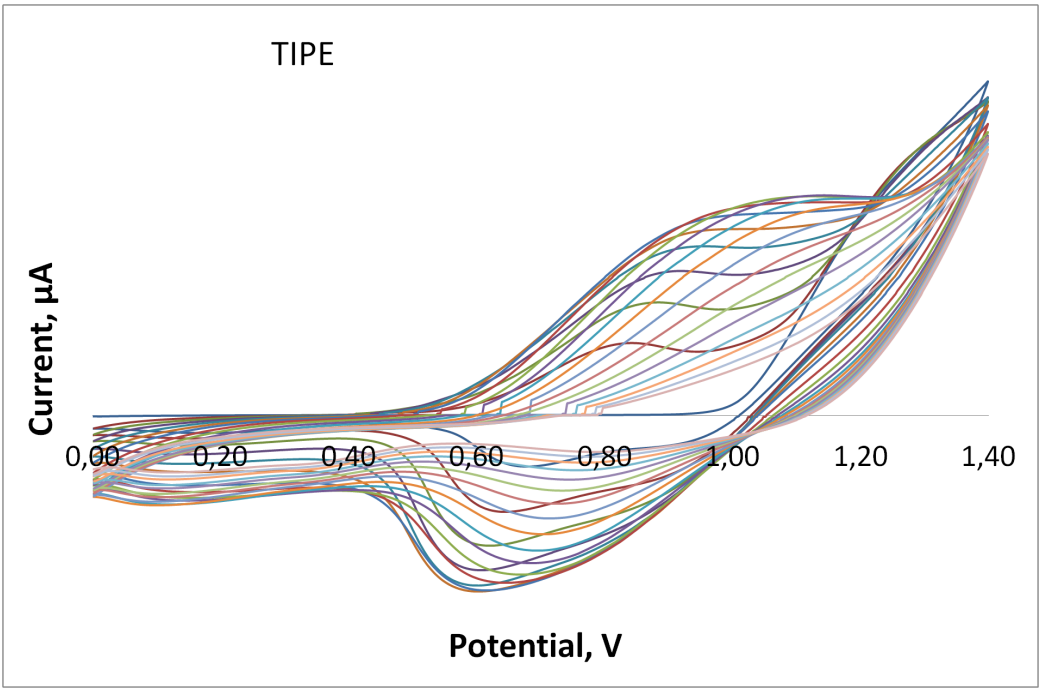


Fig. S14 CV spectra of TIPE with 20 cycles