

Supporting Information

Efficient solution-processable deep-red hot exciton emitter based on thiadiazole[3,4-c]pyridine for a simple electroluminescent device

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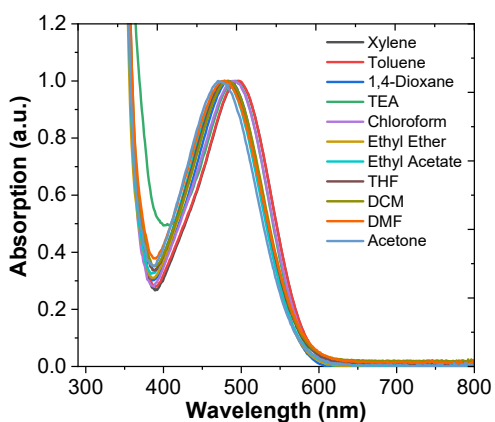


Fig. S1 Normalized UV-Vis absorption spectra in different solvents

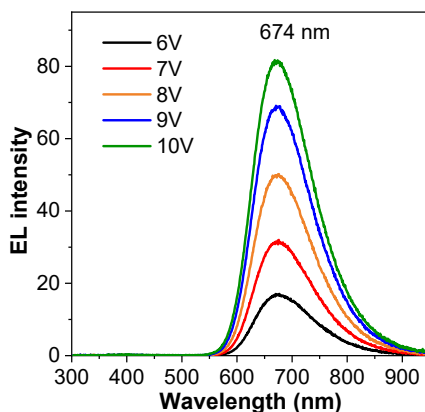


Fig. S2 EL spectra of the OLED under different applied voltages

Table S1 Excited states energy calculated by TD-DFT B3LYP/6-31G(d,p)

State	Energy (eV)	Osc. Strength (<i>f</i>)	Transition character
S1	1.25	0.0006	CT
S2	1.27	0.0001	CT
S3	1.35	0.0001	CT
S4	1.48	0.0000	CT
S5	1.72	0.0000	CT
T1	0.28	-	LE+CT
T2	1.36	-	CT
T3	1.44	-	LE+CT
T4	1.51	-	CT
T5	1.55	-	CT

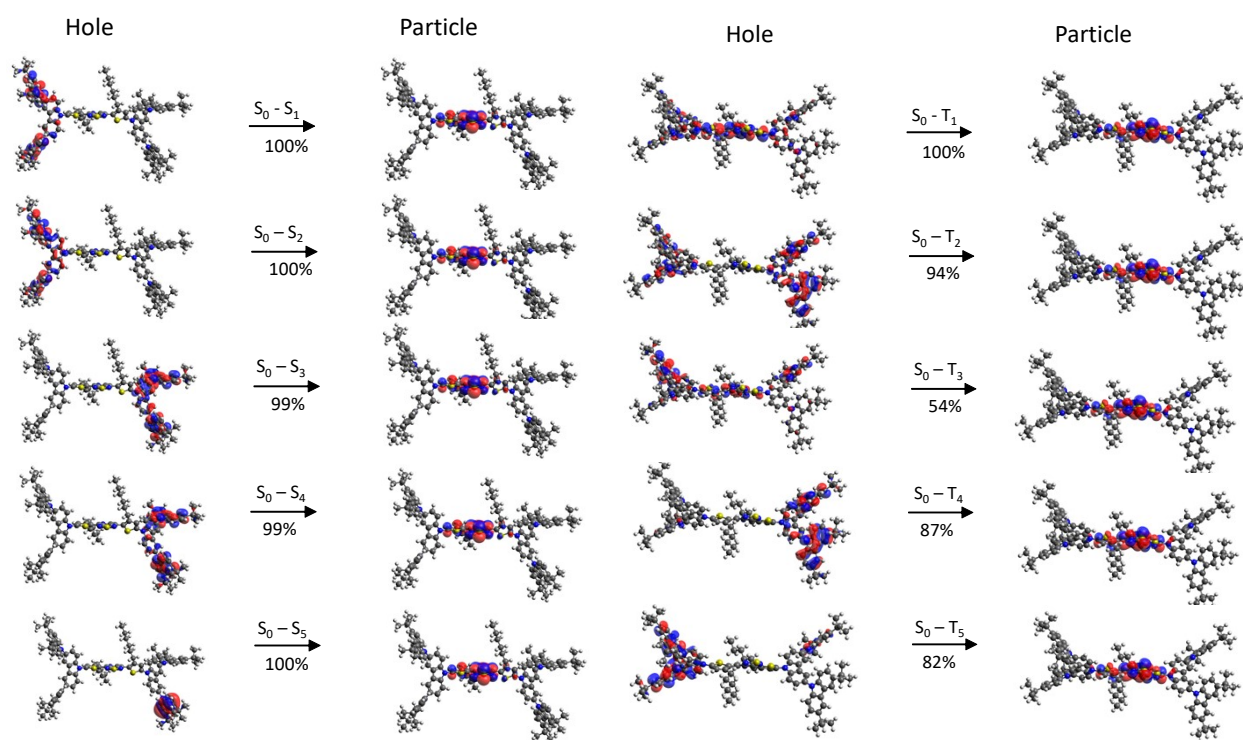
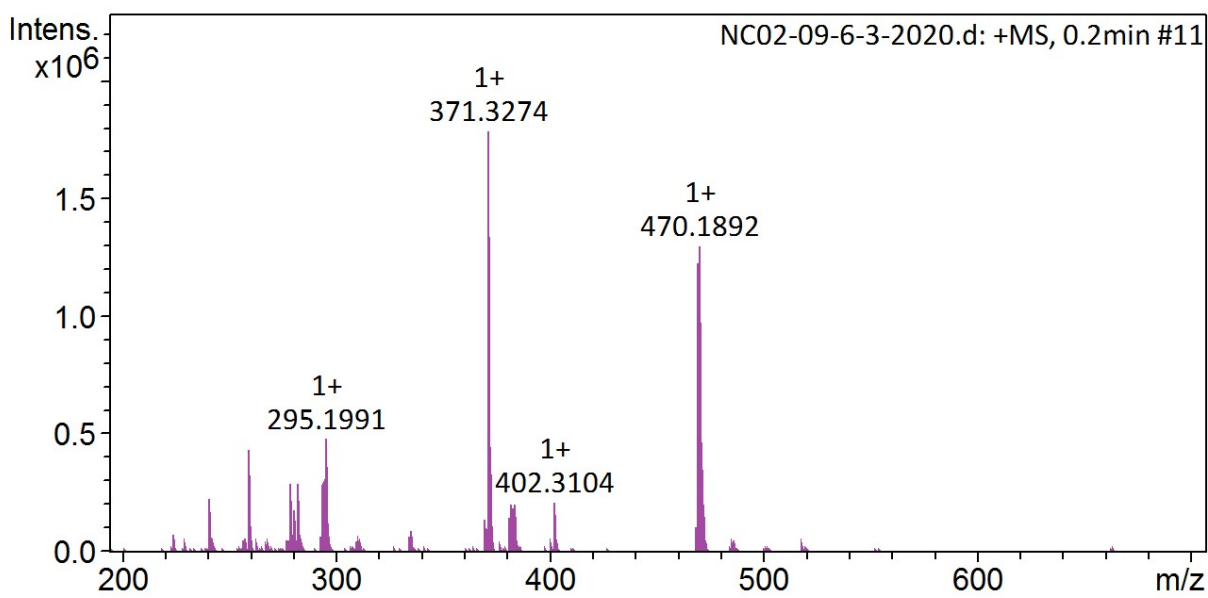
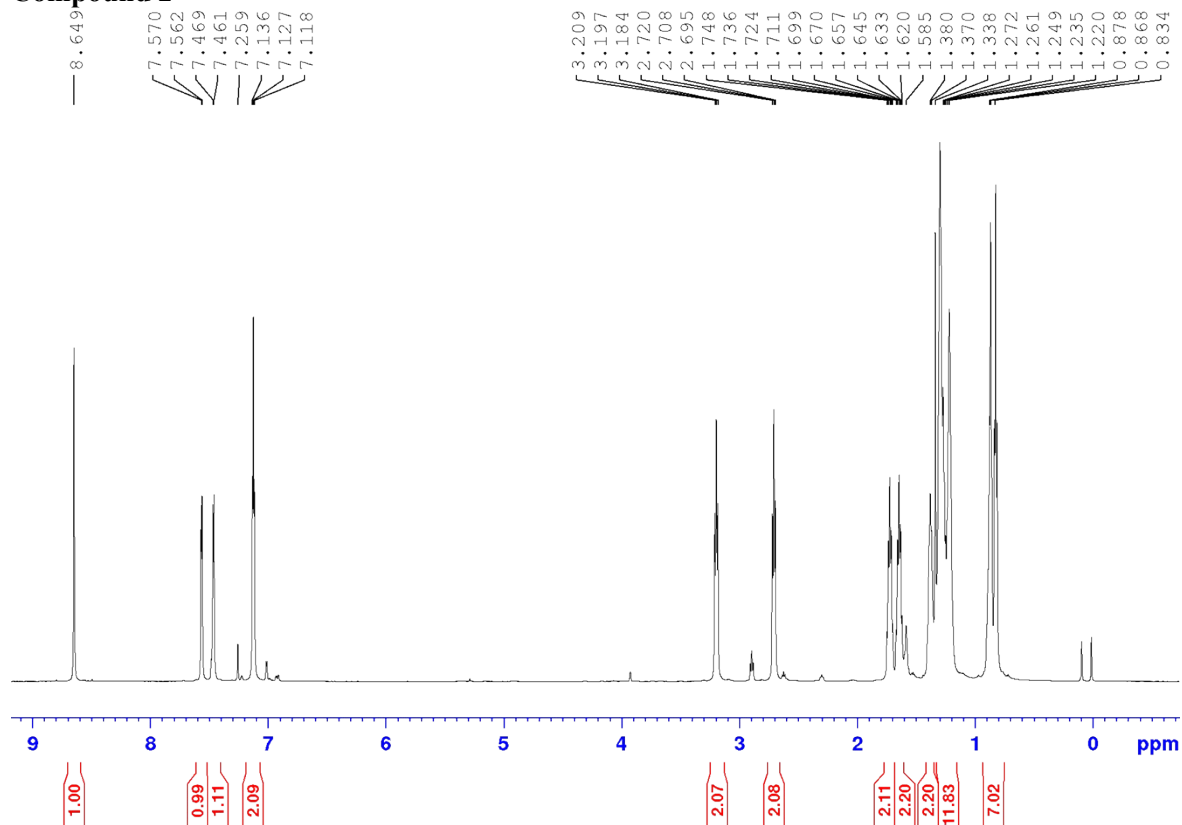


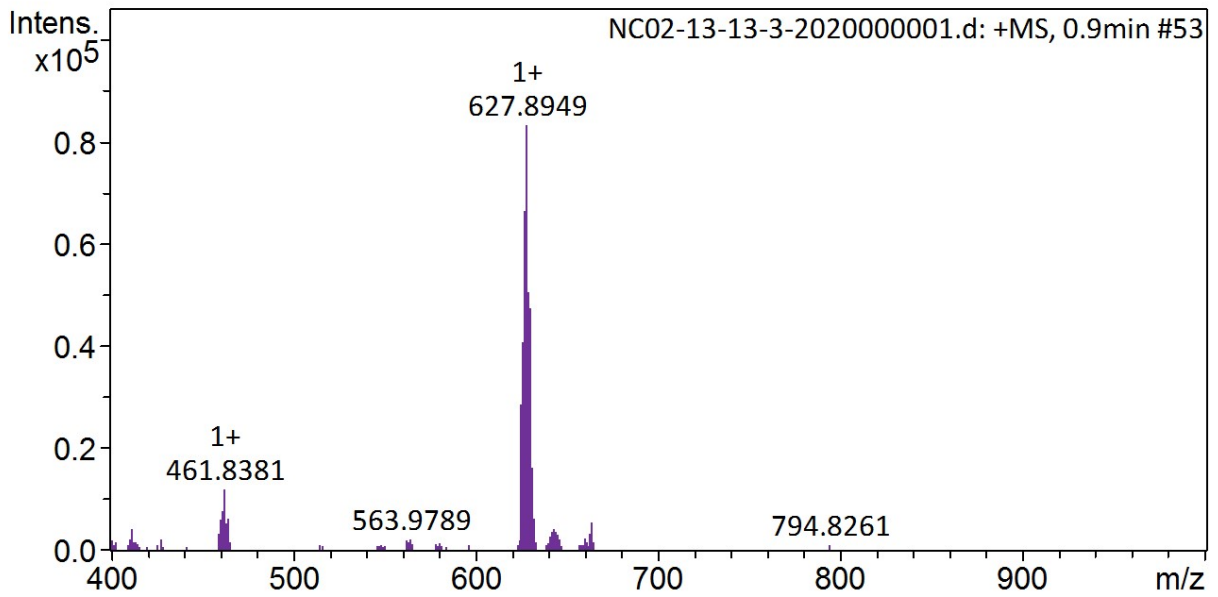
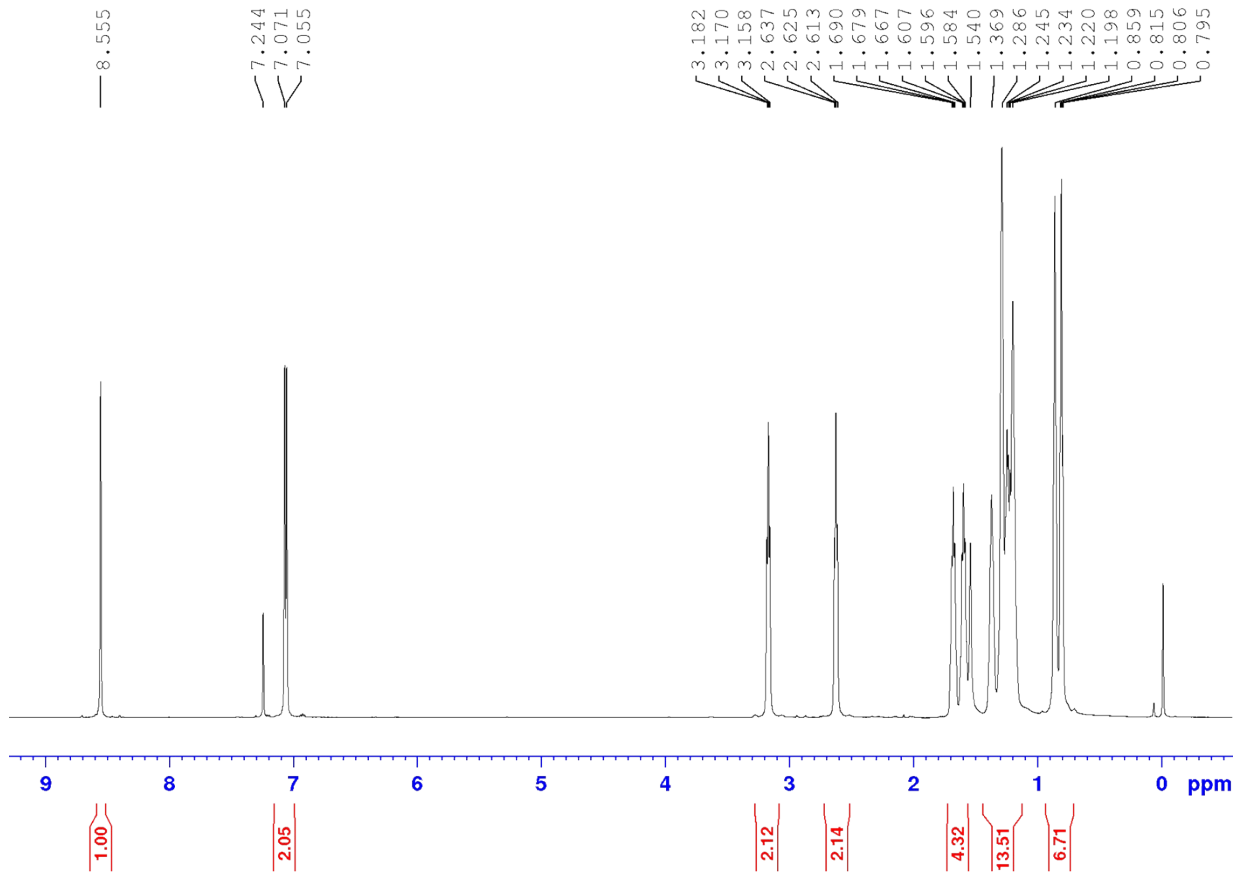
Fig. S3 Copies of NMR and HRMS mass spectra

Fig. S4 Copies of NMR and HRMS mass spectra

Compound 2



Compound 3



CCTPy

