## Toward Heteronuclear Supramolecular Architectures of Pyridine-4-thiolate

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## **Supporting Information**

**Figure S1**. The solution emission spectra of **1-4** (a) at room temperature and (b) at 77K in DMF, and (c) at room temperature and (d) at 77K in acetone. The excitation is at wavelength of 350 nm.

Figure S2. Molecular structure of 3 and its ORTEP diagram showing a 50 % probability ellipsoid.

**Figure S3**. The PXRD pattern of **5**.

**Figure S4.** Molecular structure of **7** and its ORTEP diagram showing a 50 % probability ellipsoids.

Figure S5. The TGA trace of 3.

Figure S6. The TGA trace of 4.

**Figure S7**. The solid-state emission spectra of **5** at room temperature (blue) and at 77K (red) with an excitation wavelength of 350 nm.

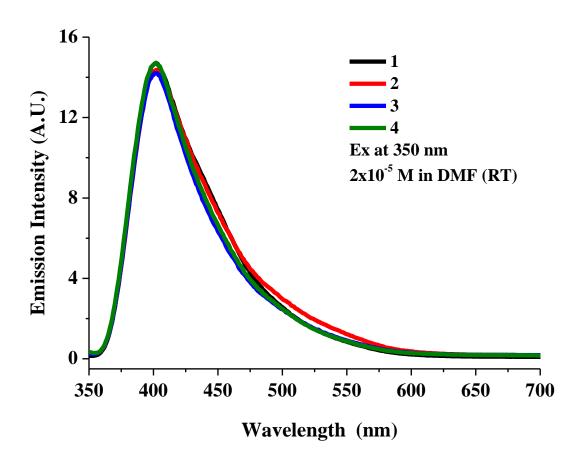


Figure S1(a)

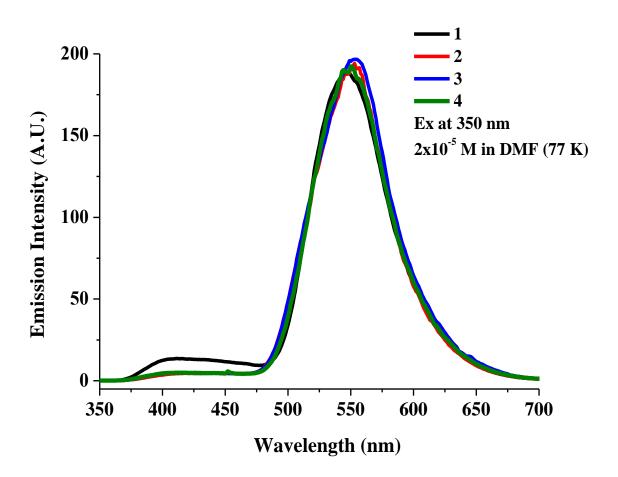


Figure S1(b)

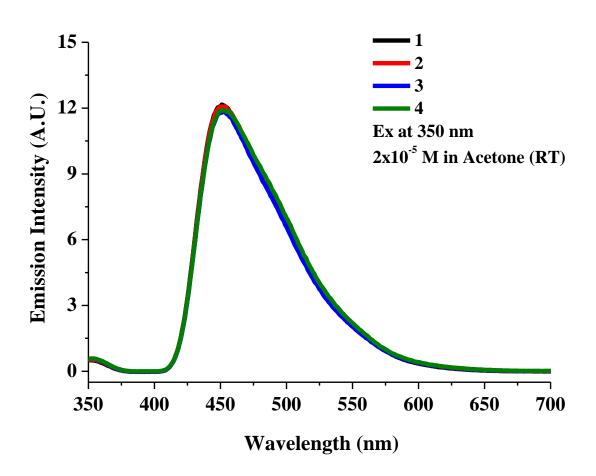


Figure S1(c)

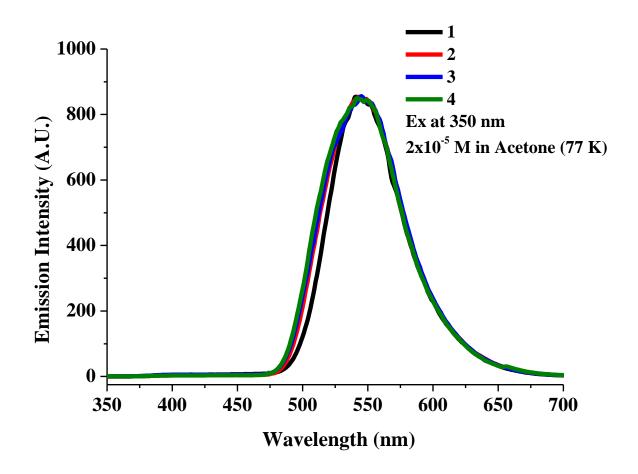


Figure S1(d)

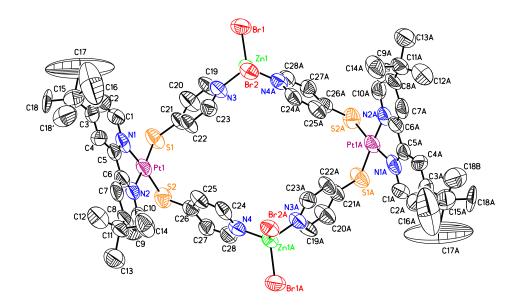


Figure S2

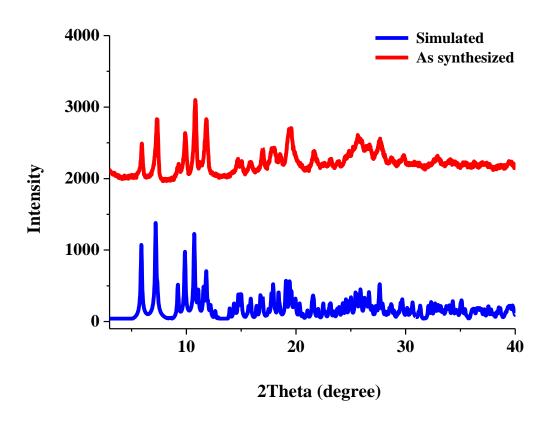


Figure S3

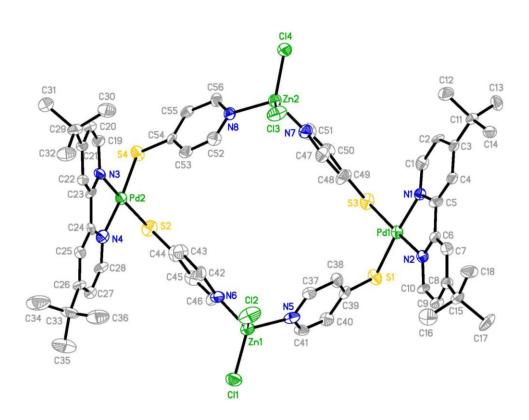


Figure S4

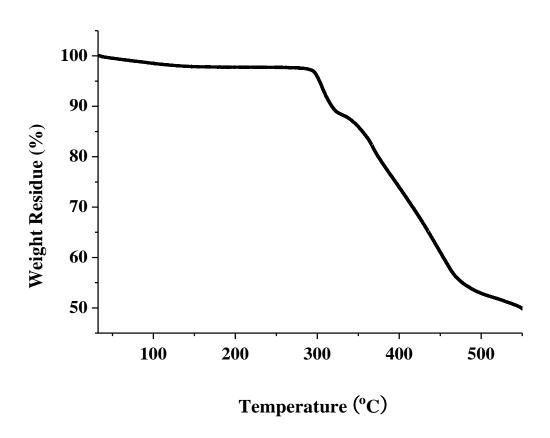


Figure S5

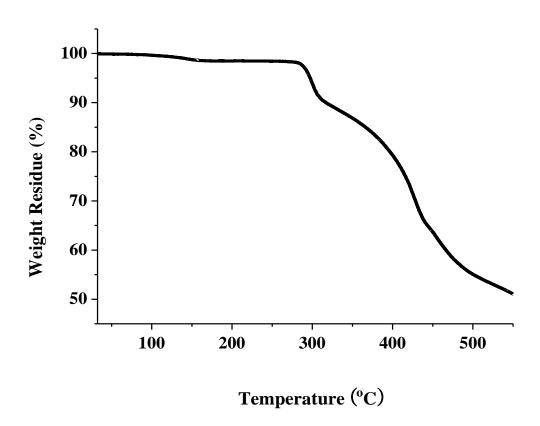


Figure S6

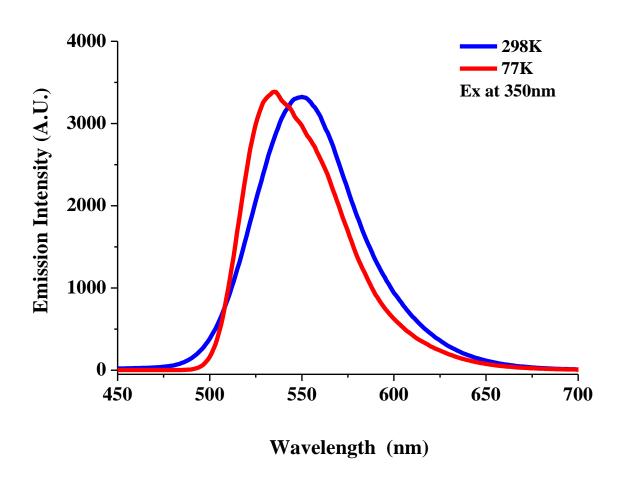


Figure S7