Supplementary Information

From discrete complex to one-dimensional coordination polymer by subtle variation of ligand donor: Structures and electrical conductivities

Jun-Xi Wu, Dong-Dong Zhou, Chi Zhang, Hao-Long Zhou and Jie-Peng Zhang*

MOE Key Laboratory of Bioinorganic and Synthetic Chemistry, School of Chemistry and Chemical Engineering, Sun Yat-Sen University, Guangzhou 510275, P. R. China

Figure S1. PXRD patterns of (a) **1** and (b) **2**.

Figure S2. FTIR spectra of Hsphen and **2**.

Figure S3. UV-Vis absorption spectra of **1**, **2**, Hophen, and Hsphen.

Figure S4. Arrhenius plots of the temperature-dependent conductivities of **1** and **2**.