Zinc(II) and Cadmium(II) Carboxyphosphonates with a 3D Pillared-Layered Structure: Synthesis, Crystal Structures, High Thermal Stabilities, and Luminescent Properties

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Supporting Information

Fig. S1 The IR spectrum of compound 1.

Fig. S2 The IR spectrum of compound 2.
**Fig. S3** The X-ray powder diffraction patterns of the intermediate compound in the thermal decomposition for compound 1. The intermediate compound contains Zn$_2$P$_2$O$_7$ (JCPDS 00–007–0153).

**Fig. S4** The X-ray powder diffraction patterns of the intermediate compound in the thermal decomposition for compound 2. The intermediate compound contains Cd$_2$P$_2$O$_7$ (JCPDS 00–031–0233).
**Fig. S5** The experimental powder XRD patterns and the simulated XRD patterns of compound 1.

**Fig. S6** The experimental powder XRD patterns and the simulated XRD patterns of compound 2.