Supporting Information

Syntheses and Structures of Two Chiral Zincophosphite Compounds

\[ \text{[Zn(C}_8\text{H}_8\text{N}_2\text{)(HPO}_3\text{)] and (C}_6\text{H}_{13}\text{N}_2\text{)[Zn}_3\text{(C}_6\text{H}_{12}\text{N}_2\text{)(HPO}_3\text{)}_3\text{(H}_2\text{PO}_3\text{)}]} \]

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Fig. 1 IR spectra for compound 1(a) and 2(b).
Fig. 2 TG curves for compound 1(a) and 2(b).
Fig. 3 In compound 2, (a) bonded DABCO molecule extending from Zn(3) atoms occupies the 12-ring window, (b) free monoprotonated DABCO molecule resides in the 16-ring channel and compensates the charge of framework. (All the H atoms are omitted for clarity).
**Fig. 4** The 3D framework structure of 2 viewed along the $b$ axis. (All the H atoms are omitted for clarity).