

Supporting Information for the manuscript:

Divalent Zinc and Cadmium Coordination Polymers of a New
Flexible Tetracarboxylate Ligand: Syntheses, Crystal structures and
Properties

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Fig. S1. 3D supramolecular structure of **1**.

Fig. S2. 3D supramolecular structure of **2**.

Fig. S3. 3D supramolecular structure of **3**.

Fig. S4. 3D supramolecular structure of **4**.

Fig. S5. 3D supramolecular structure of **5**.

Fig. S6. TG curves for compounds **1–7**.

Fig. S7. IR spectra for **1**.

Fig. S8. IR spectra for **2**.

Fig. S9. IR spectra for **3**.

Fig. S10. IR spectra for **4**.

Fig. S11. IR spectra for **5**.

Fig. S12. IR spectra for **6**.

Fig. S13. IR spectra for **7**.

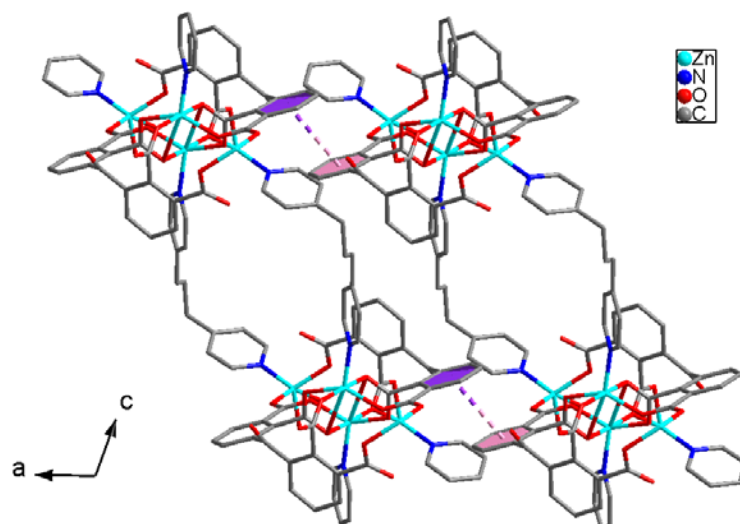


Fig. S1 3D supramolecular structure of **1**. (Dotted lines represent $\pi \cdots \pi$ interaction.)

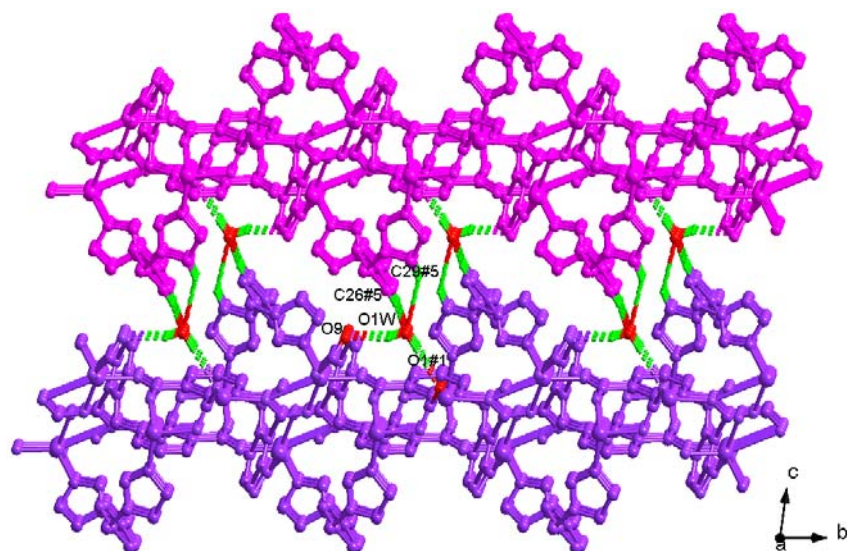


Fig. S2 3D supramolecular structure of **2**. (Symmetry codes: #6 $x, y, 1+z$. O: red, H: green. Dotted lines represent H bonds.)

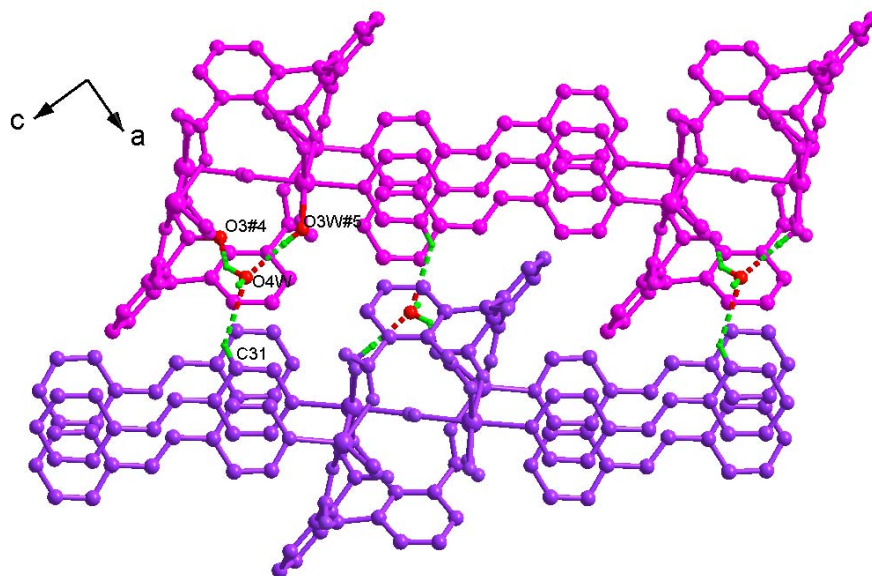


Fig. S3 3D supramolecular structure of **3**. (O: red, H: green)

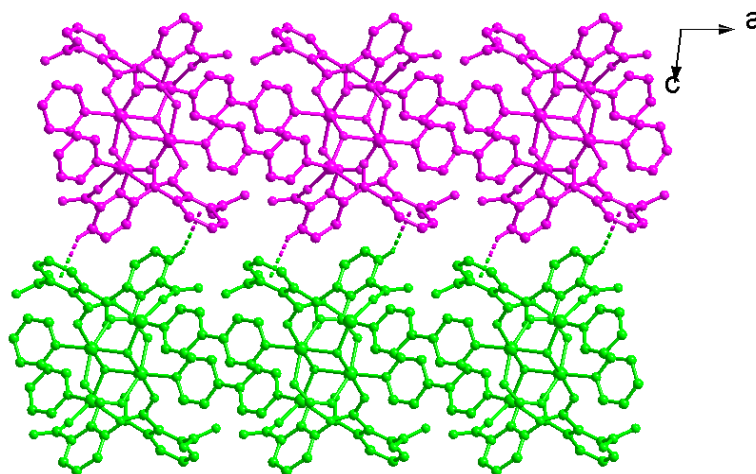


Fig. S4 3D supramolecular structure of **4**. (Dotted lines represent C-H... π interaction.)

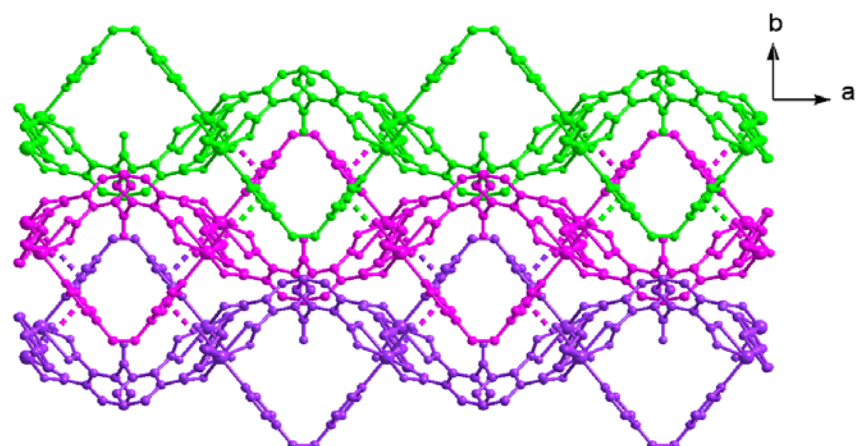


Fig. S5 3D supramolecular structure of **5**. (Dotted lines represent $\pi \cdots \pi$ interaction.)

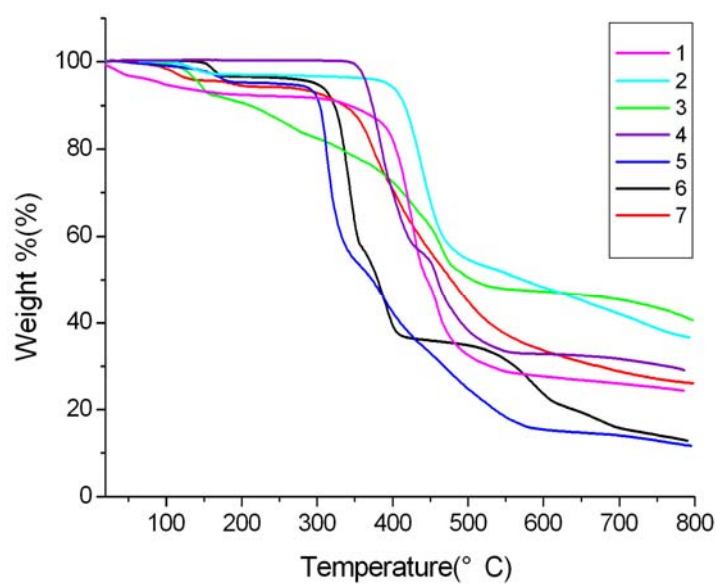


Fig. S6 TG curves for compounds **1–7**.

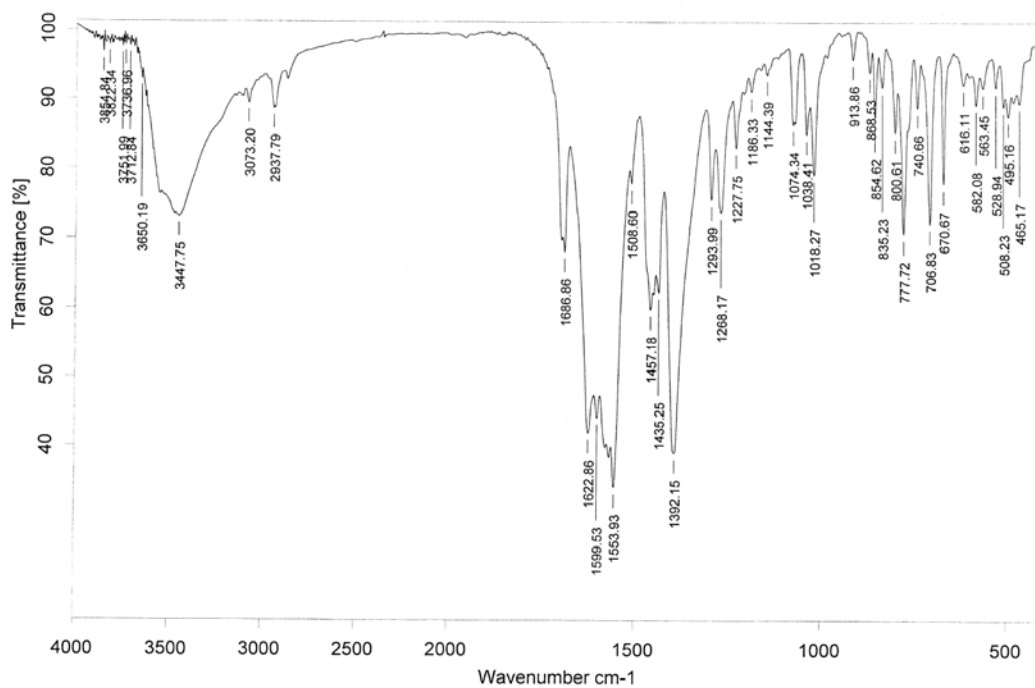


Fig. S7 IR spectra for 1.

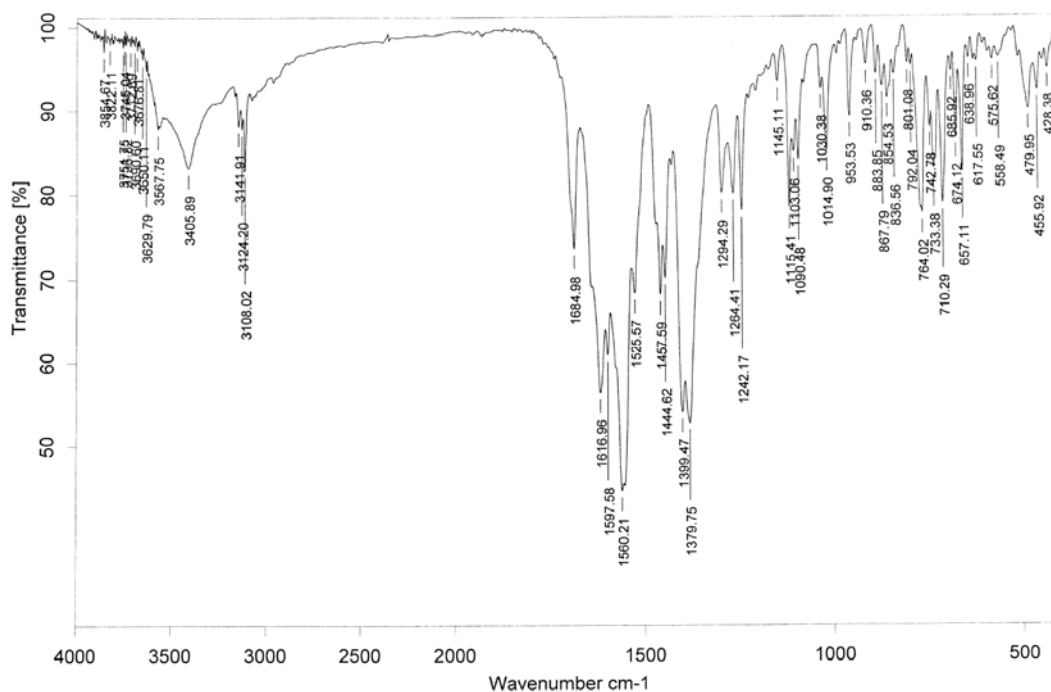


Fig. S8. IR spectra for 2.

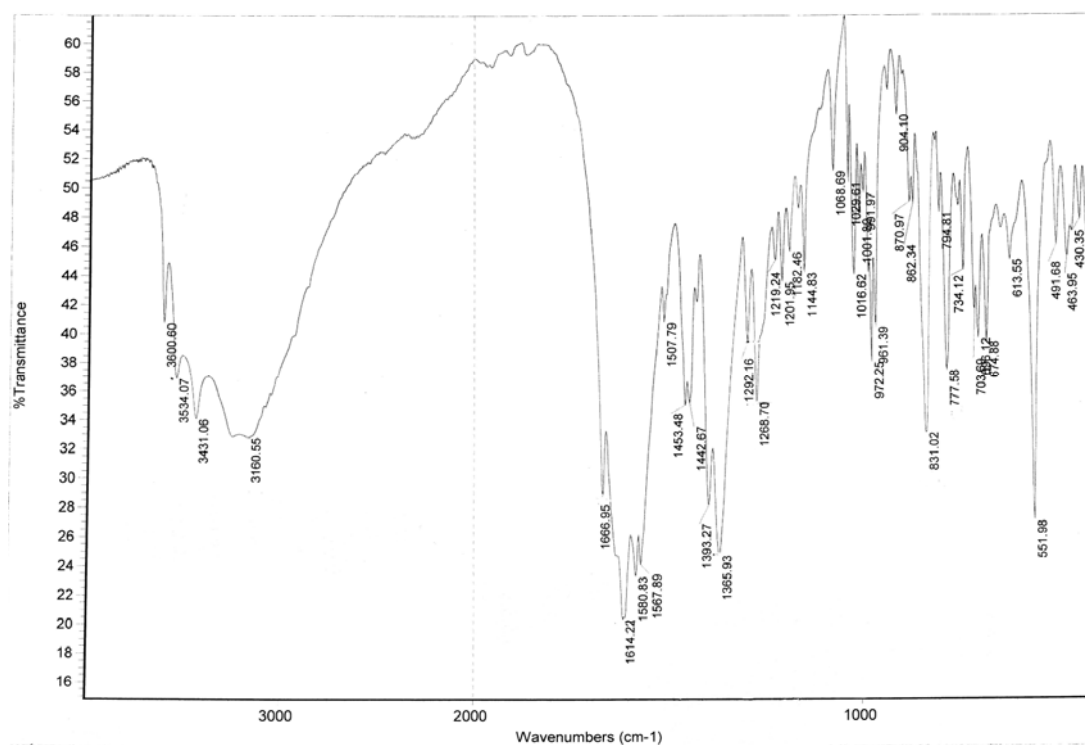


Fig. S9 IR spectra for 3.

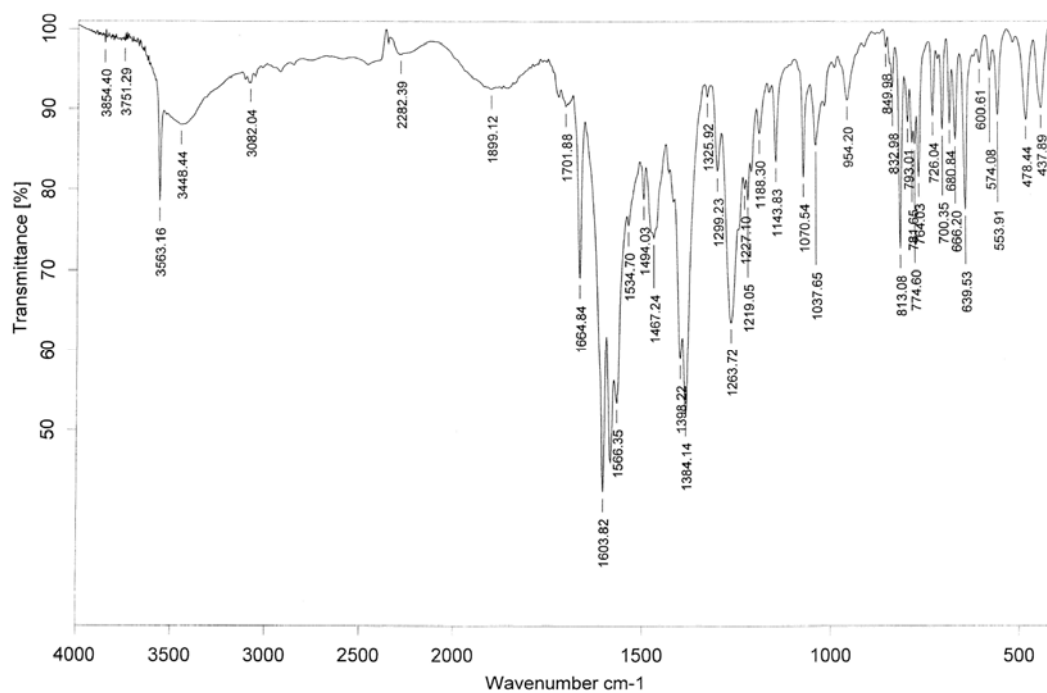


Fig. S10 IR spectra for 4.

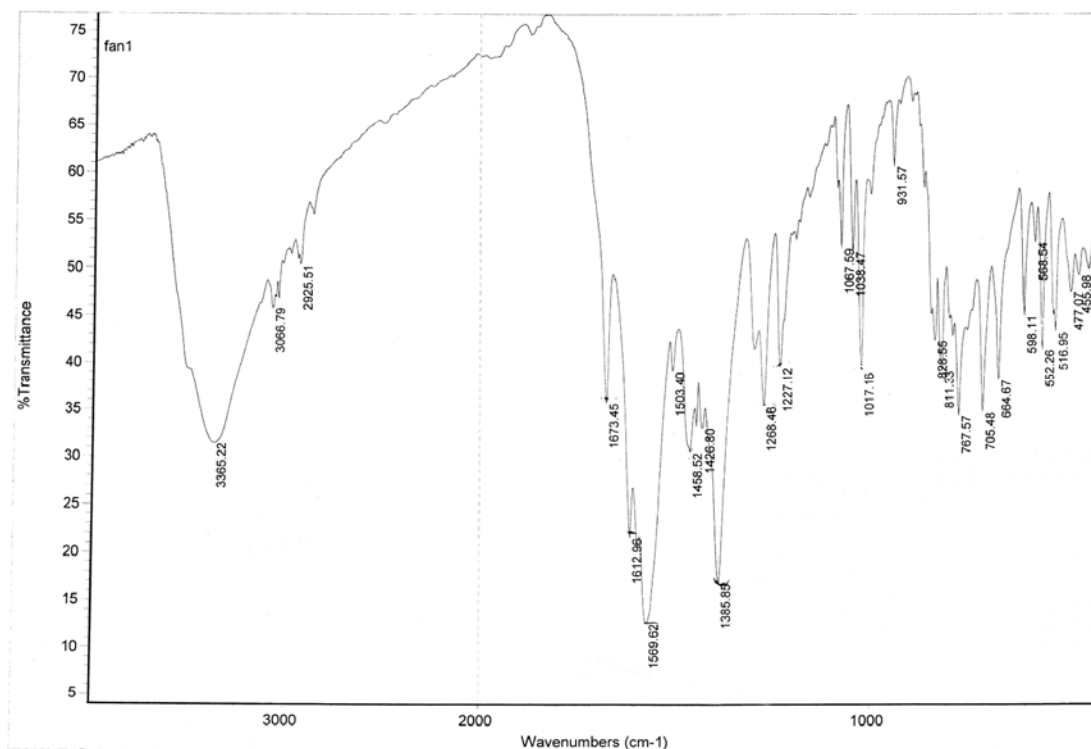


Fig. S11 IR spectra for 5.

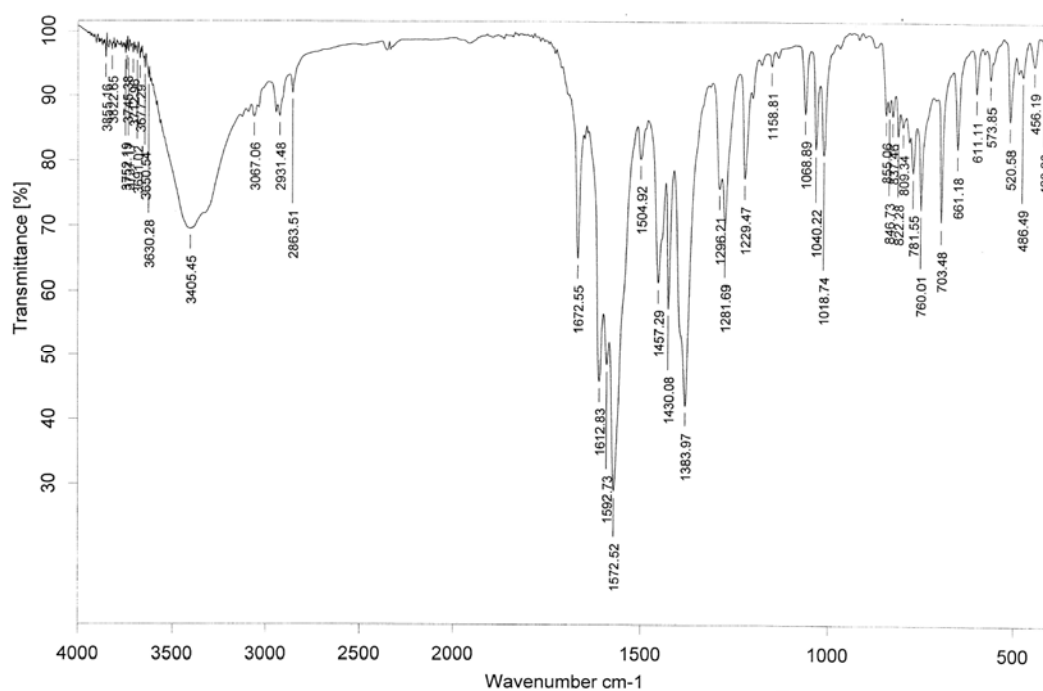


Fig. S12 IR spectra for 6.

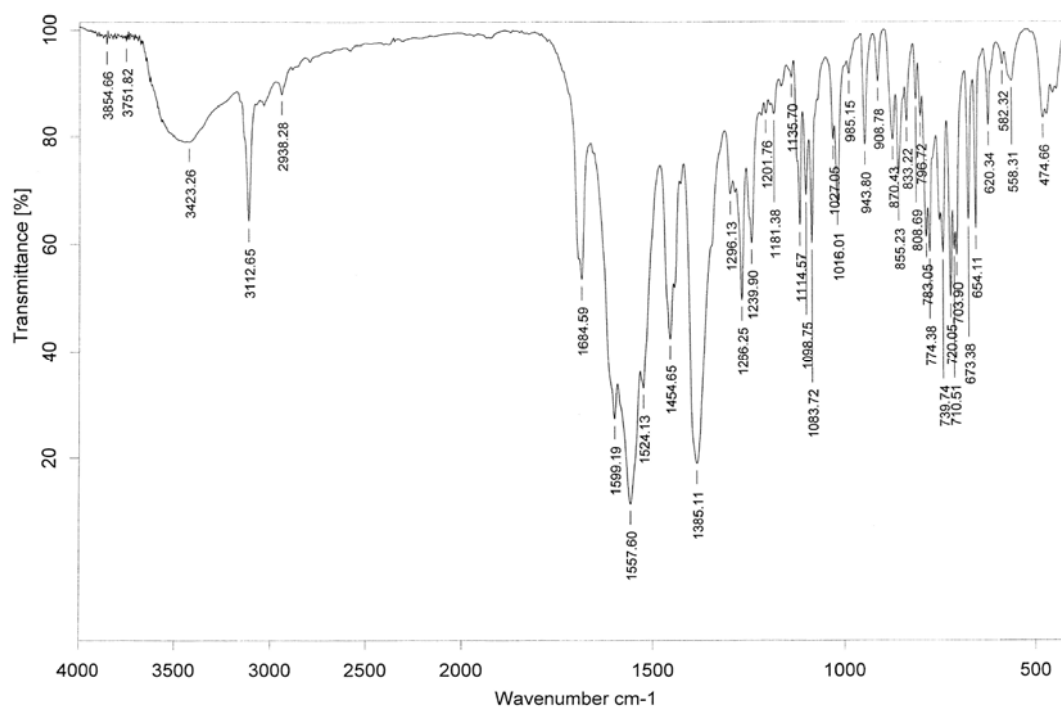


Fig. S13 IR spectra for **7**.