

**Electronic supplementary Information (ESI)**

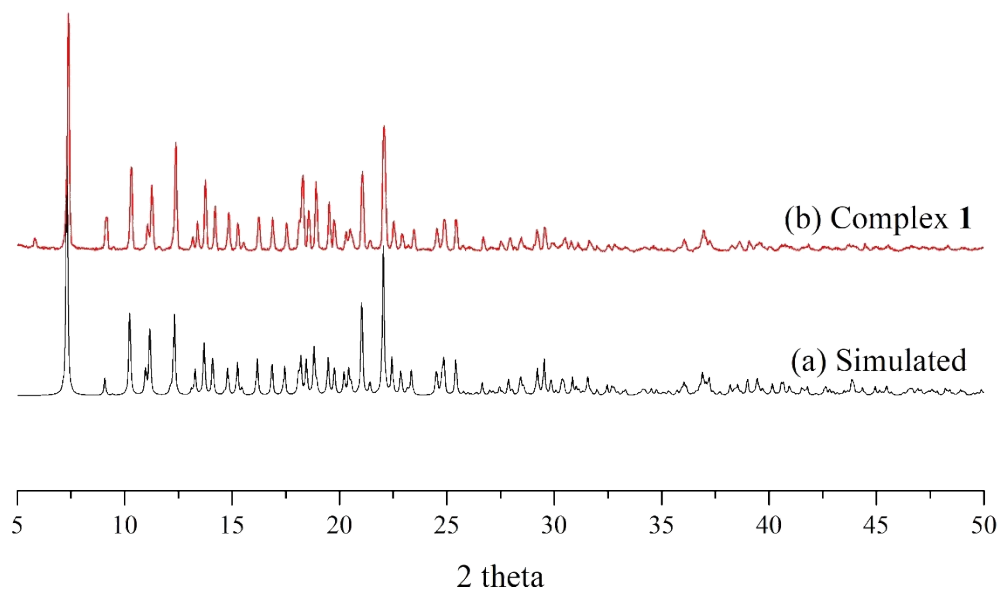
**Structural Diversity and Modification in Ni(II) Coordination  
Polymers: Peculiar Phenomenon of Reversible Structural  
Transformation between 1D Ladder and 2D Layer**

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Pradhumna Mahat Chhetri\*<sup>b</sup> and Jhy-Der Chen\*<sup>a</sup>

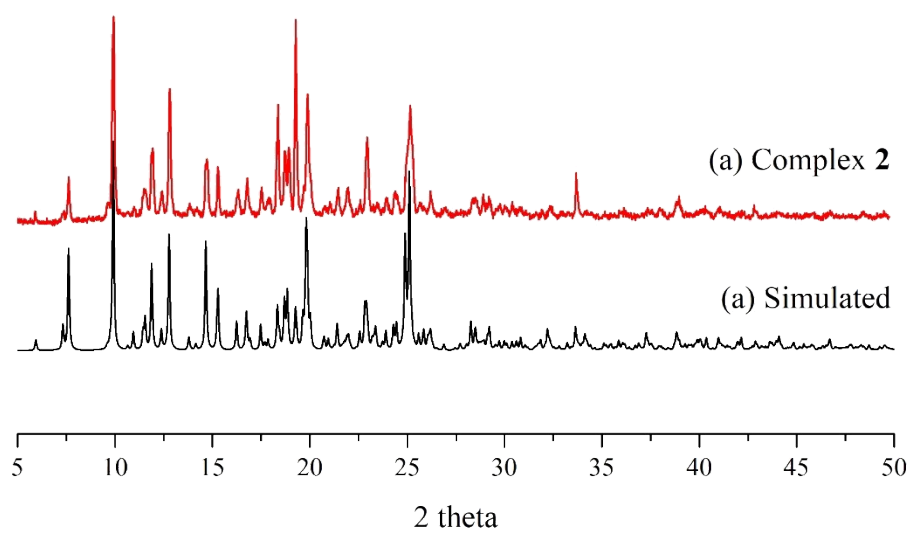
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Taiwan, R.O.C.*

*<sup>b</sup>Department of Chemistry, Amrit Campus, Tribhuvan University,  
Kathmandu, Nepal*

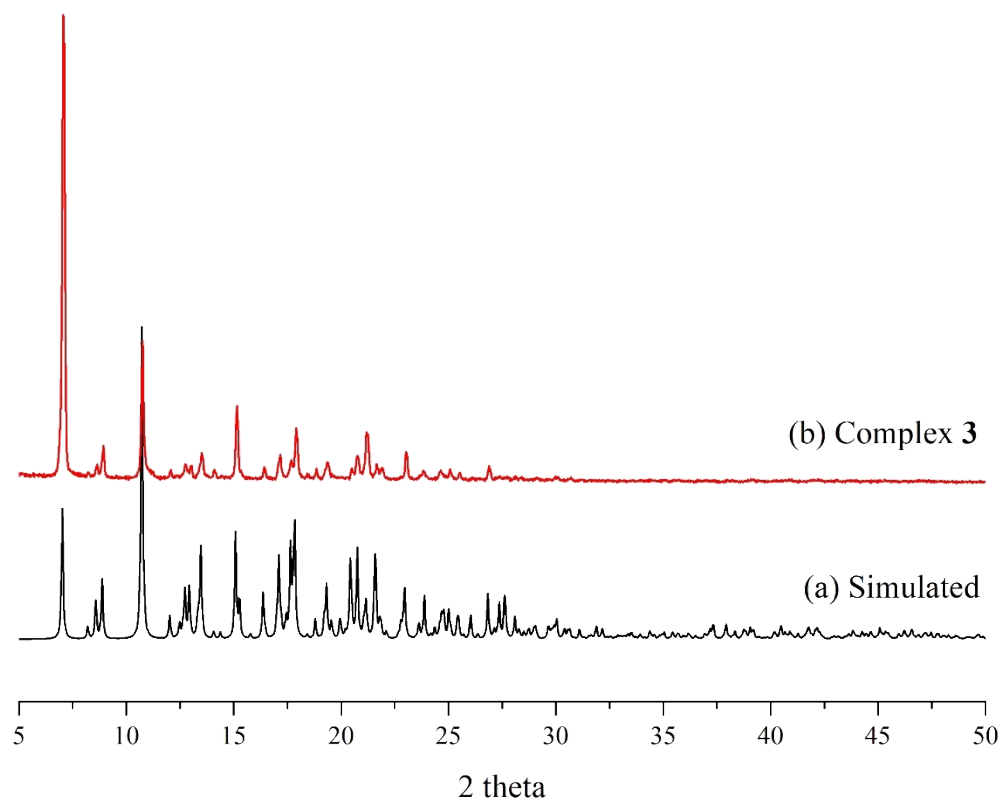
**Figure S1.** The PXRD patterns of complex **1**.



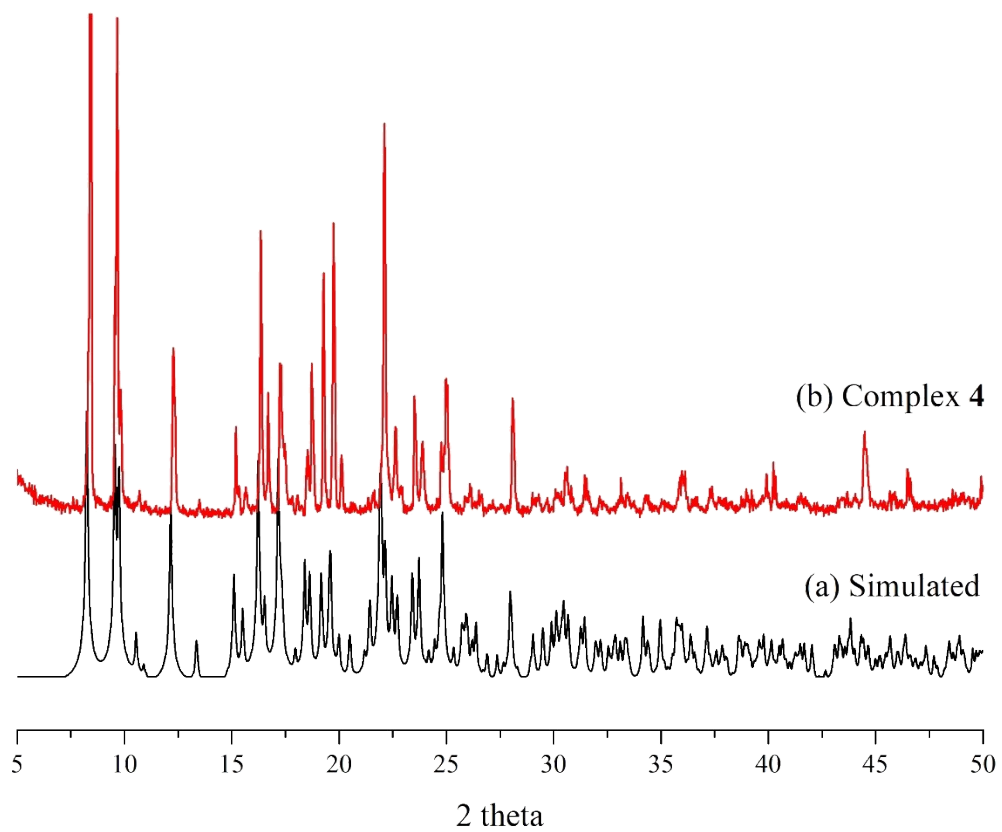
**Figure S2.** The PXRD patterns of complex **2**.



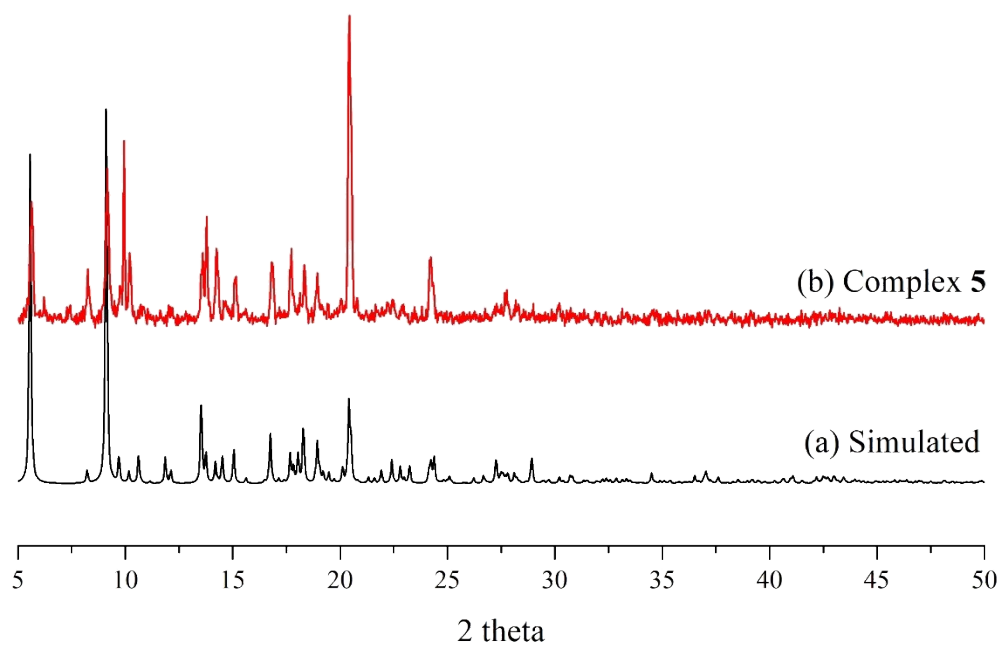
**Figure S3.** The PXRD patterns of complex **3**.



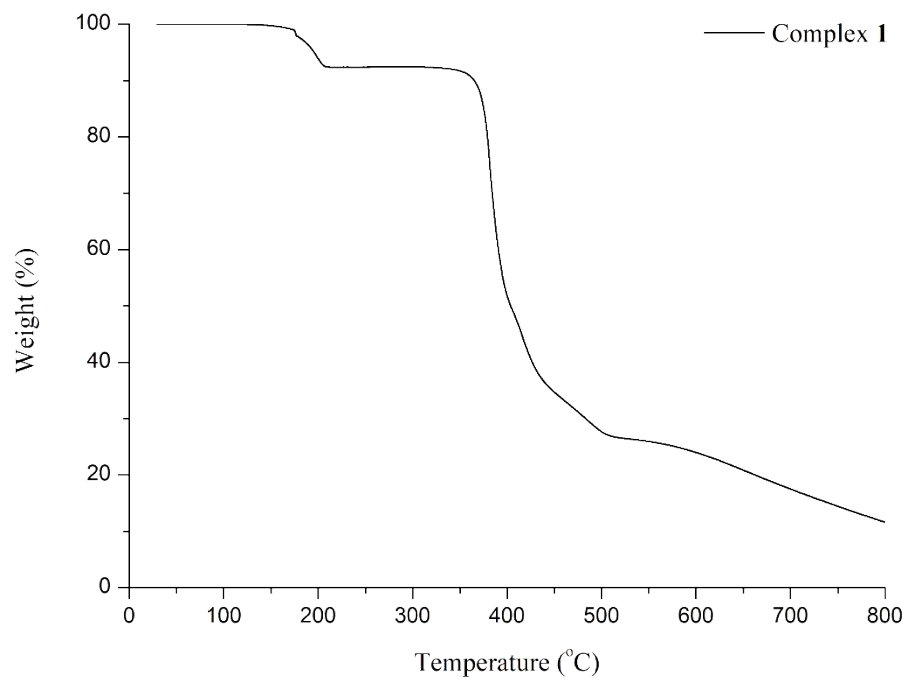
**Figure S4.** The PXRD patterns of complex 4.



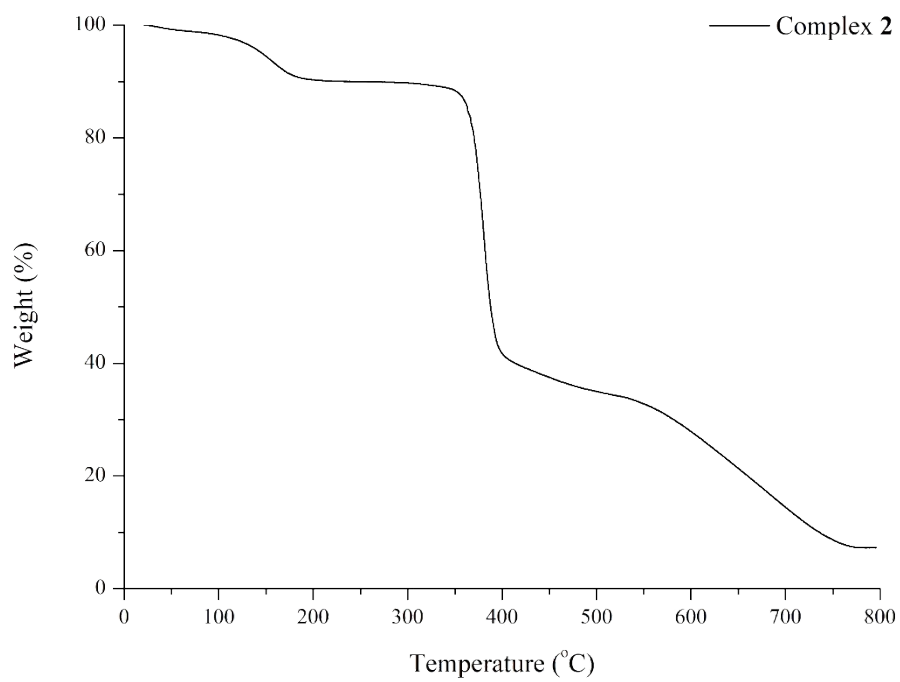
**Figure S5.** The PXRD patterns of complex **5**.



**Figure S6.** TGA curve of complex **1**.

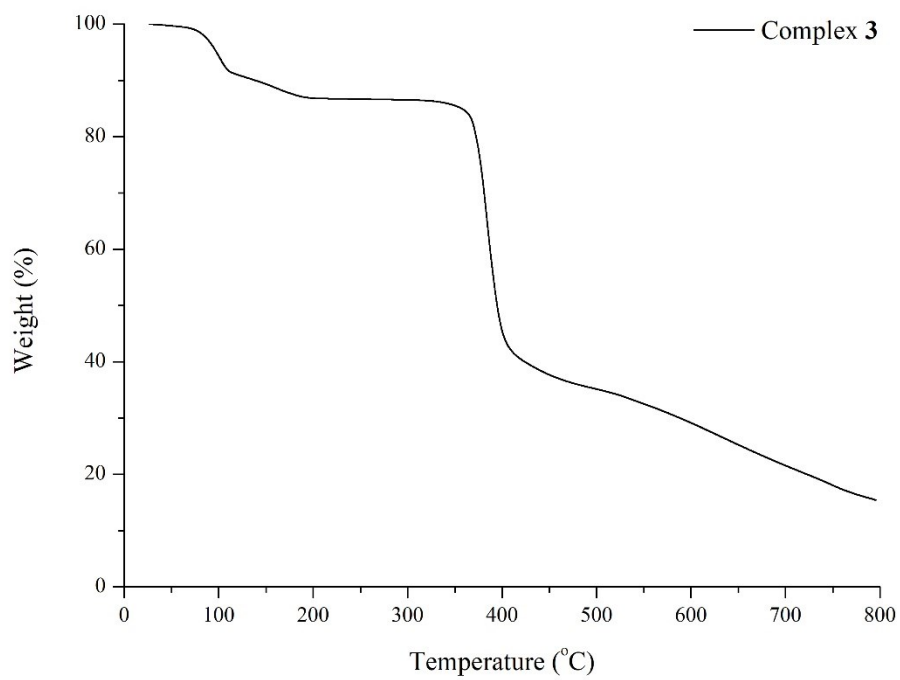


**Figure S7.** TGA curve of complex **2**.

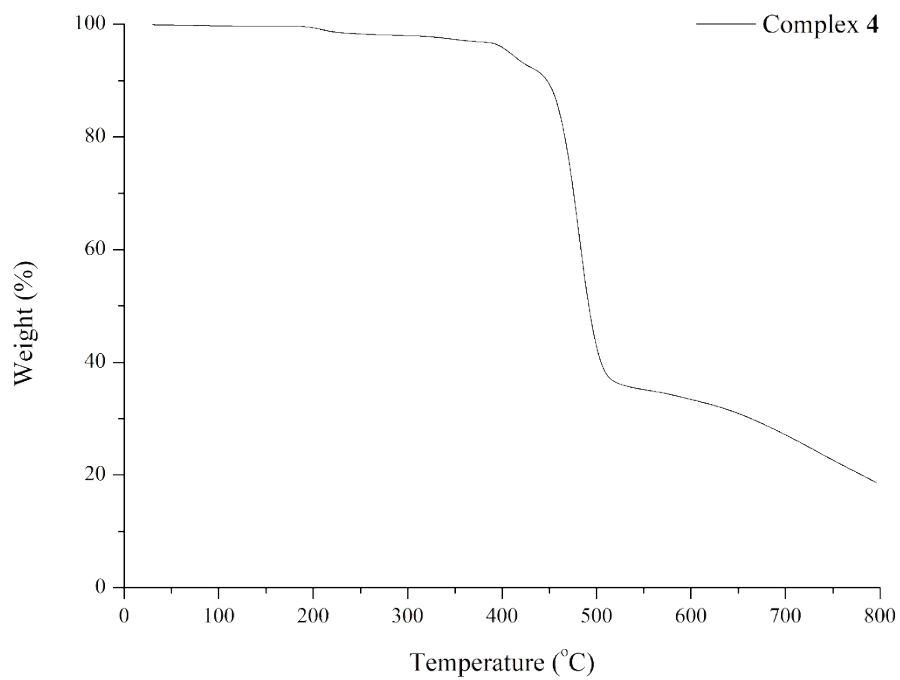




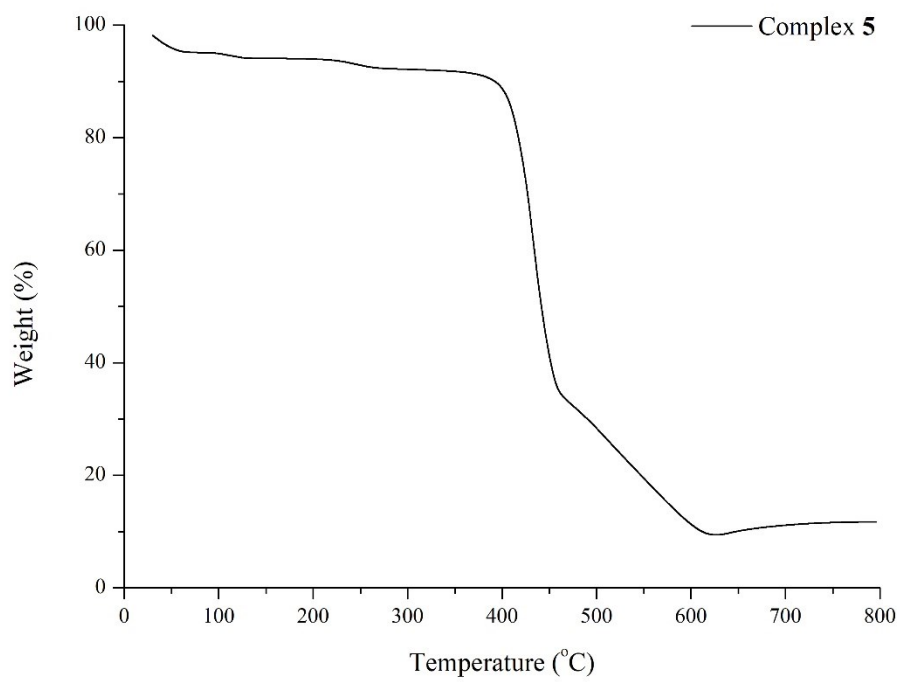
**Figure S8.** TGA curve of complex **3**.



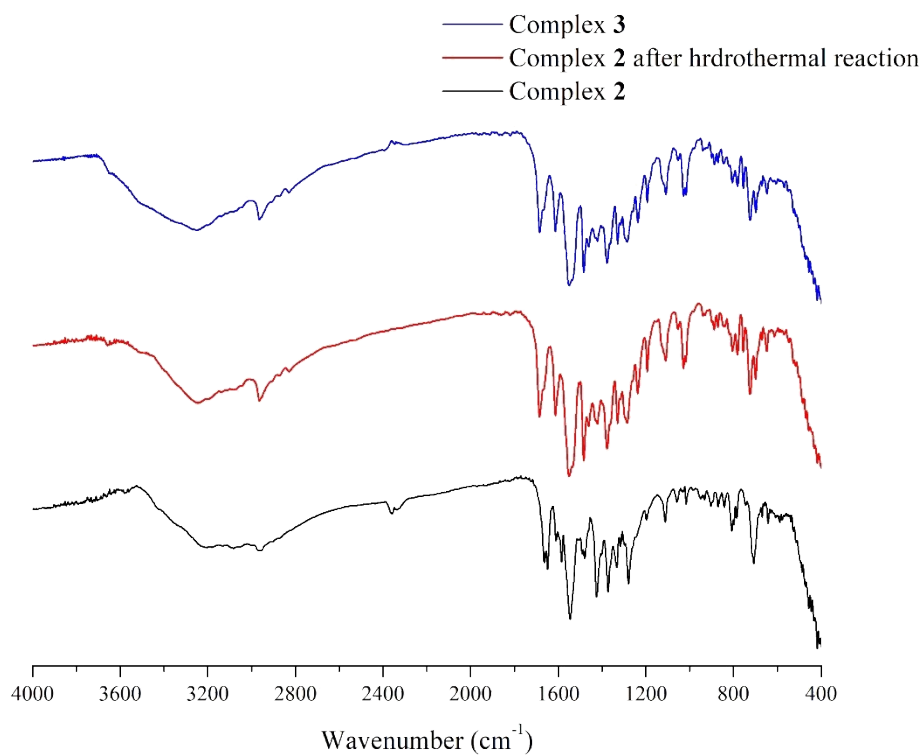
**Figure S9.** TGA curve of complex 4.



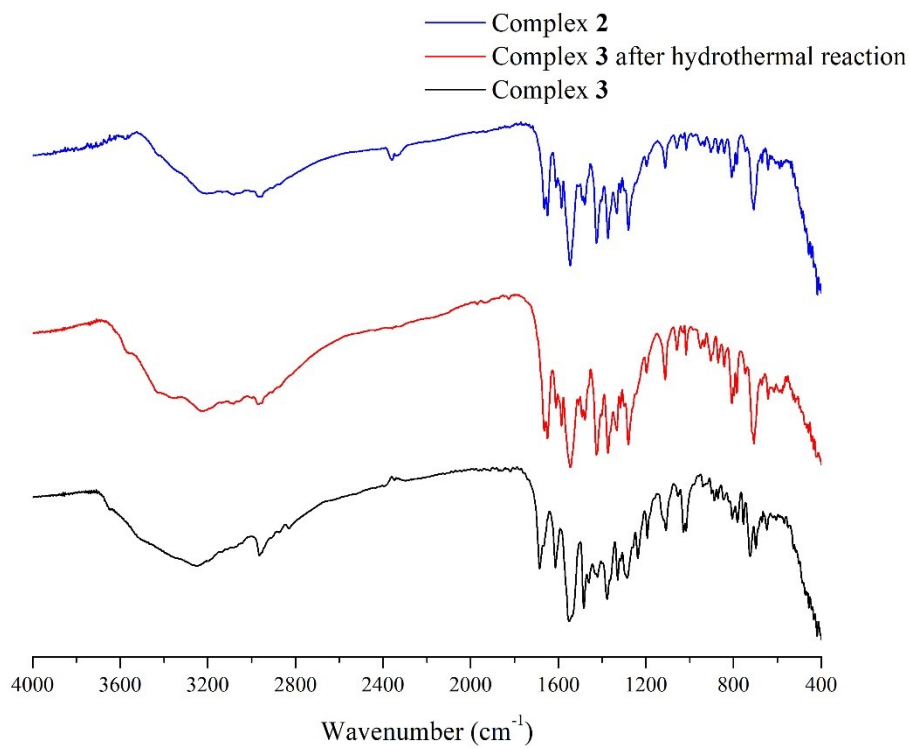
**Figure S10.** TGA curve of complex **5**.



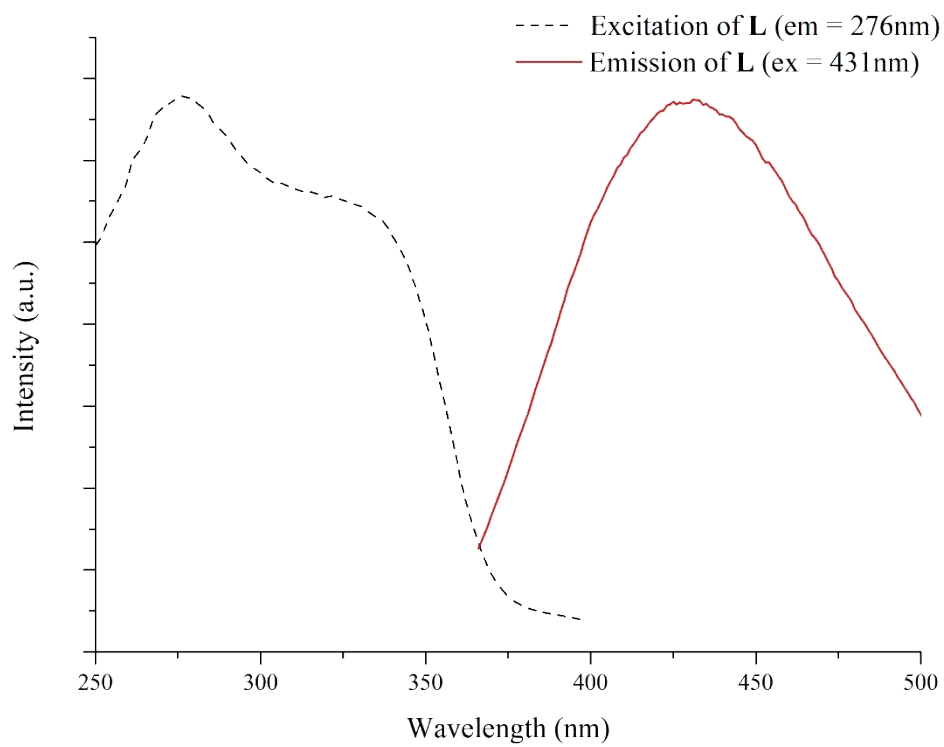
**Figure S11.** The IR spectra of complex **2** after hydrothermal reaction.



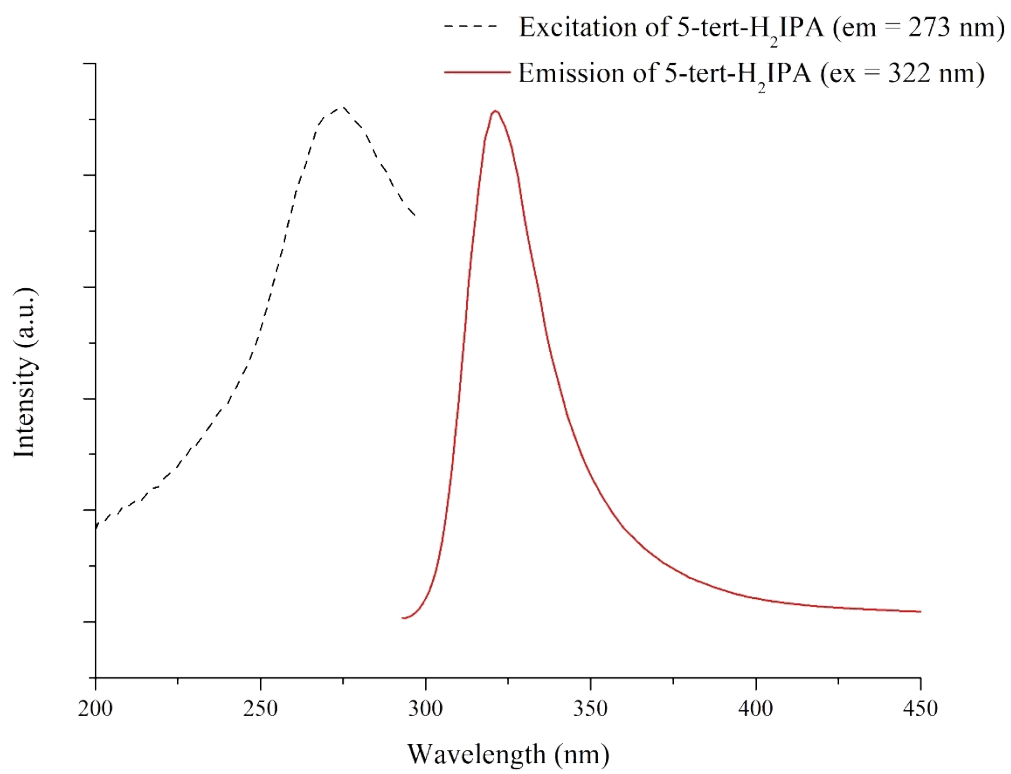
**Figure S12.** The IR spectra of complex 3 after hydrothermal reaction.



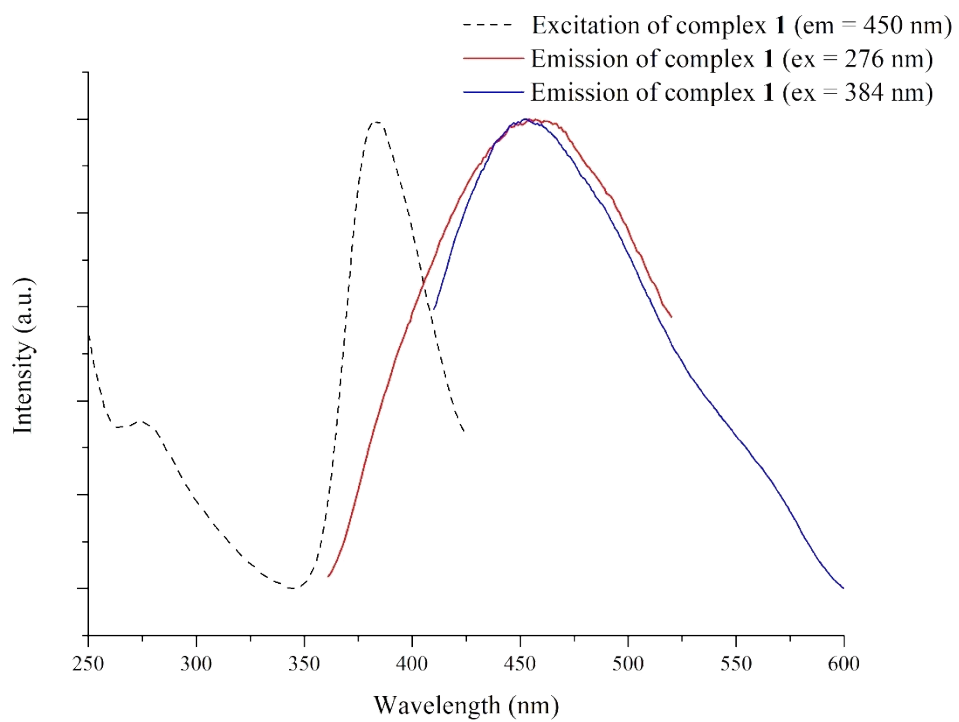
**Figure S13.** The photoluminescence spectra of **L**.



**Figure S14.** The photoluminescence spectra of 5-tert-H<sub>2</sub>IPA.



**Figure S15.** The photoluminescence spectra of complex **1**.





**Figure S16.** The photoluminescence spectra of complex **4**.

