

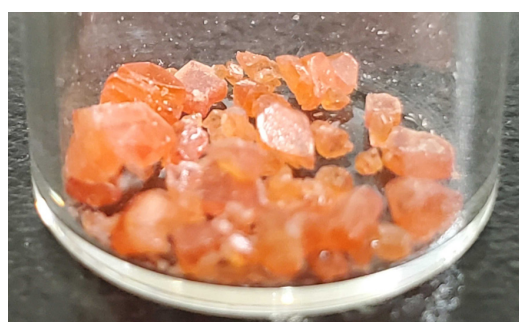
## Supplementary Materials

### Crystal structures and magnetic properties of diaquatetrapyridinenickel(II) and diaquatetrapyridinecobalt(II) complexes

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(a)



(b)

**Figure S1.** Crystals of 1 and 2: (a) [Ni(H<sub>2</sub>O)<sub>2</sub>(py)<sub>4</sub>][BPh<sub>4</sub>]<sub>2</sub>·4py (**1**); (b) [Co(H<sub>2</sub>O)<sub>2</sub>(py)<sub>4</sub>][BPh<sub>4</sub>]<sub>2</sub>·4py (**2**).