

**Novel ligands and complexes in situ generated from the copper-mediated conversions of 2,5-bis(2-hydroxyphenyl)-1,3,4-oxadiazole: structures and magnetic properties**

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## Figure Captions.

**Figure S1.** EPR spectrum of **1**.

**Figure S2.** EPR spectrum of **2**.

**Figure S3.** FT-IR spectrum for **1**.

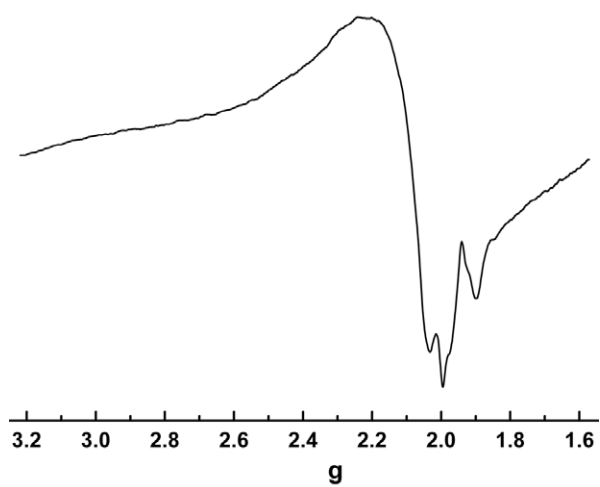
**Figure S4.** FT-IR spectrum for **2**.

**Figure S5.** XRPD patterns of original crystal (red) and simulated from a single crystal of **1** (dark).

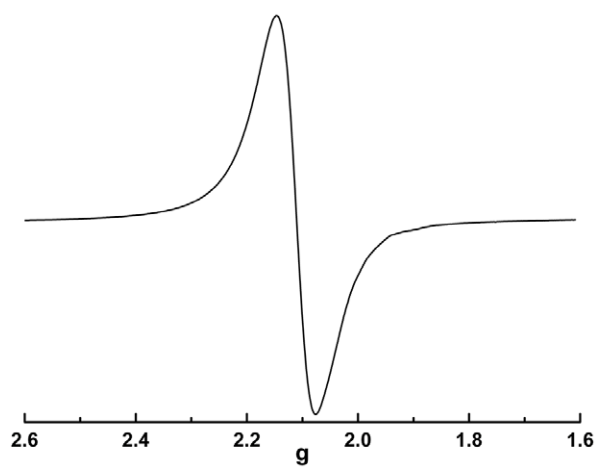
**Figure S6.** XRPD patterns of original crystal (red) and simulated from a single crystal of **2** (dark).

**Figure S7.** TGA profile for **1**.

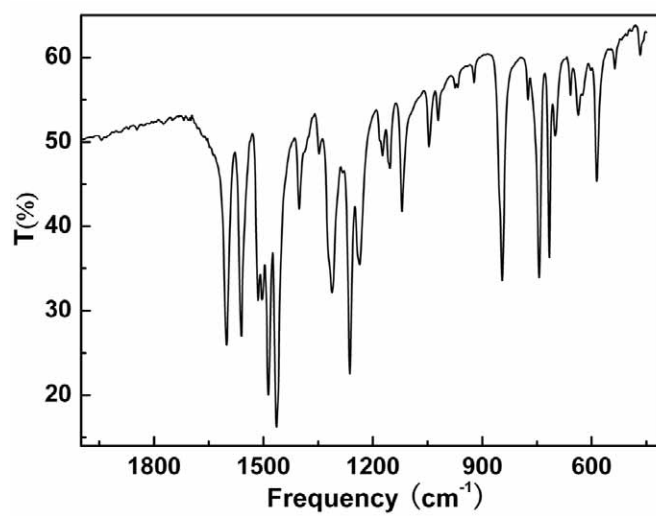
**Figure S8.** TGA profile for **2**.



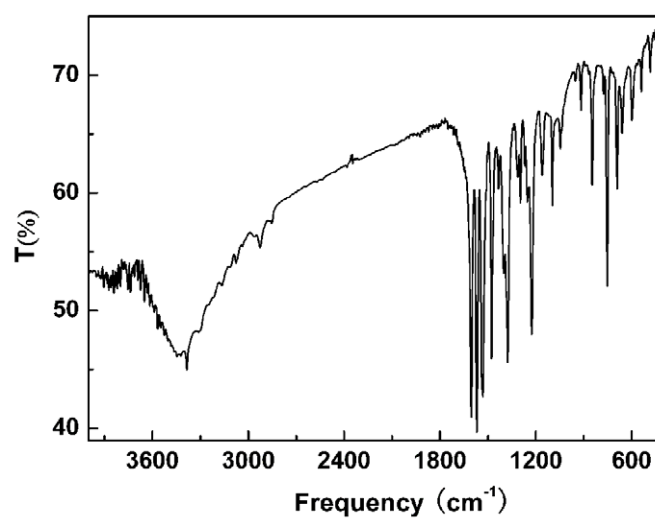
**Figure S1.** EPR spectrum of **1**.



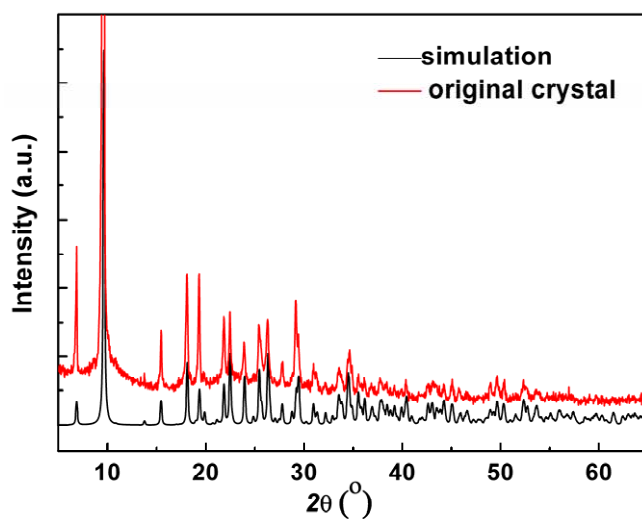
**Figure S2.** EPR spectrum of **2**.



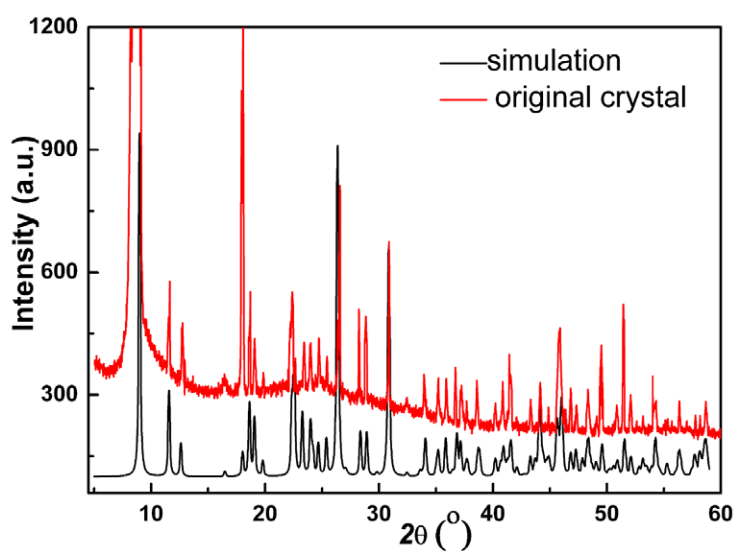
**Figure S3.** FT-IR spectrum for **1**.



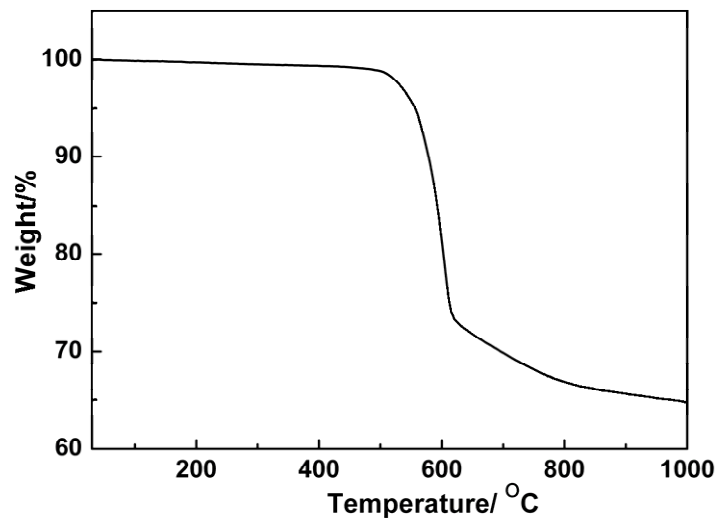
**Figure S4.** FT-IR spectrum for **2**.



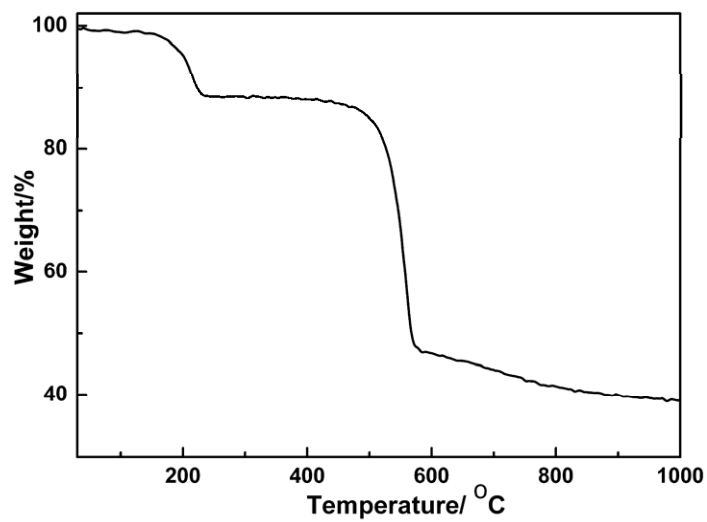
**Figure S5.** XRPD patterns of original crystal (red) and simulated from a single crystal of **1** (dark).



**Figure S6.** XRPD patterns of original crystal (red) and simulated from a single crystal of **2** (dark).



**Figure S7.** TGA profile for 1.



**Figure S8.** TGA profile for 2.