

A heterometallic ferrimagnet based on the new TTF-bis(oxamato)

ligand

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Caption of Content

1. **Figure S1.** View of the crystal packing arrangement of complex **1**. The dashed lines represent the C–H···O nonclassical hydrogen bonds.
2. **Figure S2.** The XRPD patterns (red lines) obtained from the as-synthesized solids of **2** and the simulated XRPD patterns (black lines) from single crystals of **2**.
3. **Figure S3.** Plot of $1/\chi_M$ vs T for **2**. The red solid line is the fitting result by Curie-Weiss Law.
4. **Figure S4.** Temperature-dependent in-phase χ' and out-of-phase χ'' ac susceptibility signals for **2** at the frequency of 999 Hz under zero dc field.

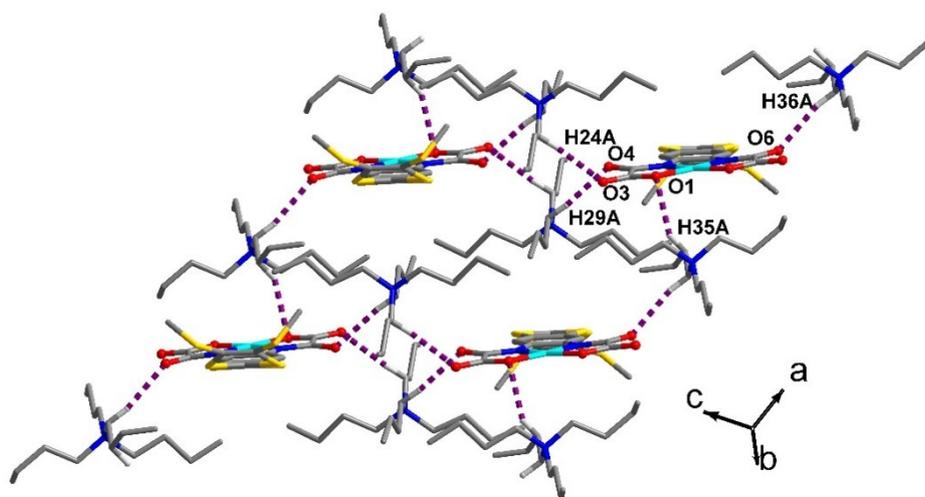


Figure S1. View of the crystal packing arrangement of complex **1**. The dashed lines represent the C–H···O nonclassical hydrogen bonds.

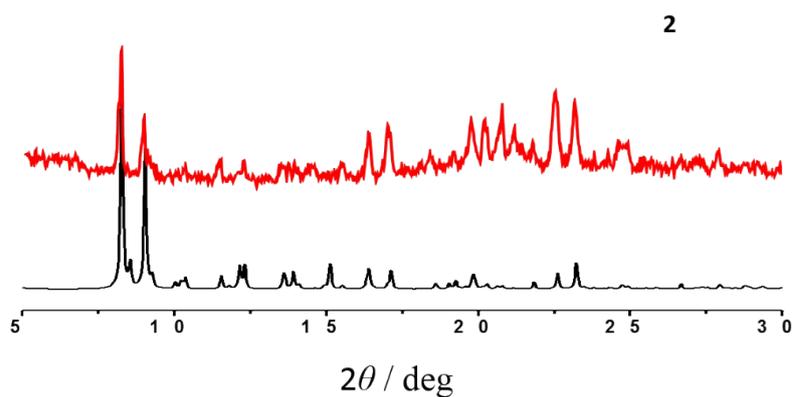


Figure S2. The XRPD patterns (red lines) obtained from the as-synthesized solids of **2** and the simulated XRPD patterns (black lines) from single crystals of **2**.

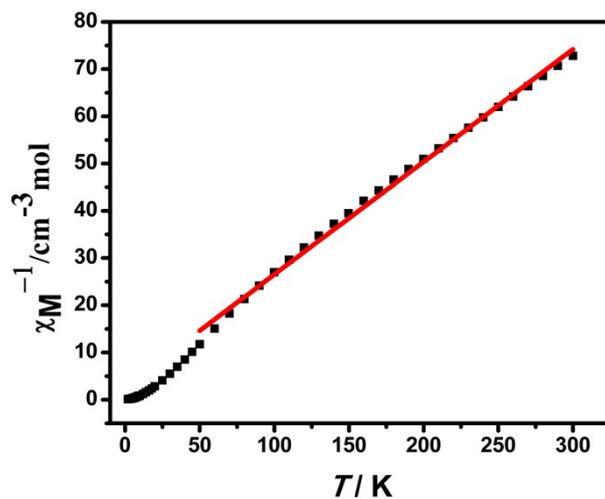


Figure S3. Plot of $1/\chi_M$ vs T for **2**. The red solid line is the fitting result by Curie-Weiss Law.

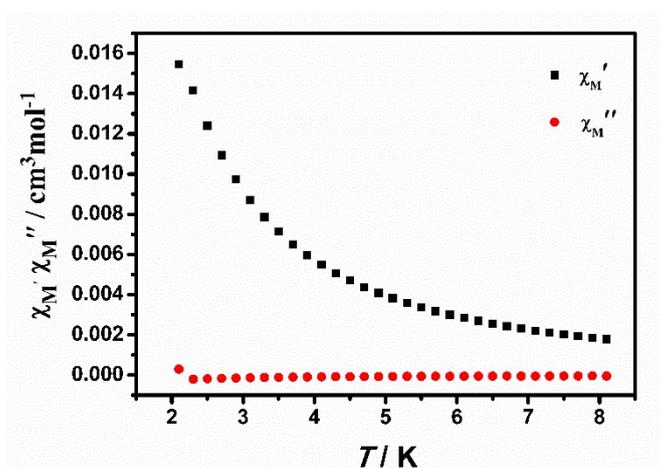


Figure S4. Temperature-dependent in-phase χ' and out-of-phase χ'' ac susceptibility signals for **2** at the frequency of 999 Hz under zero dc field.