

Electronic Supplementary Information

**The first 1D twofold interpenetrating metal-organic network
generated by 1D triple helical chains with nanosized cages**

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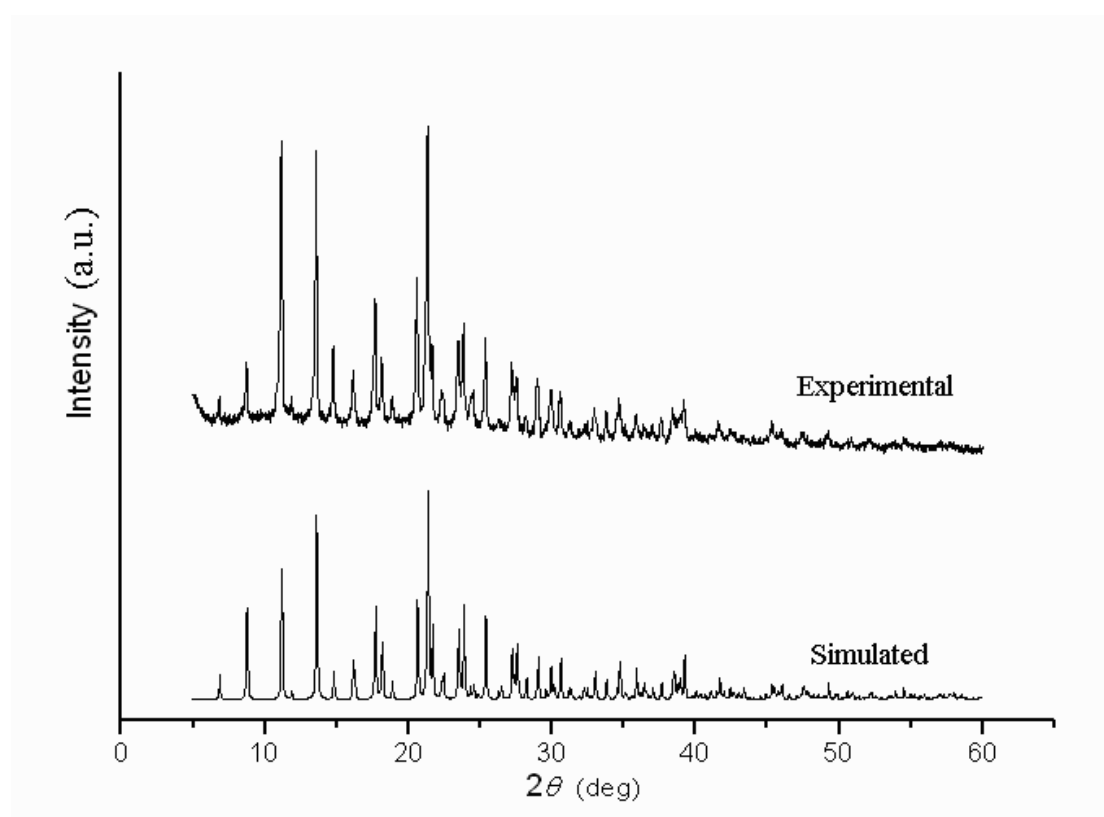


Figure S1. XPRD patterns for **2**: (a) powder diffraction pattern; (b) calculated pattern from single crystal X-ray data.

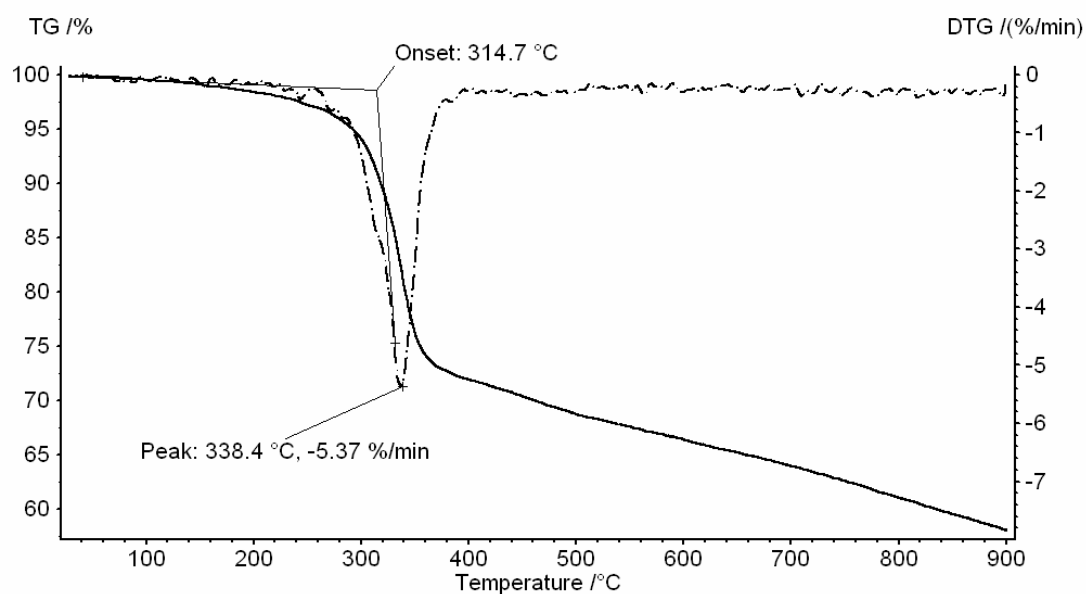


Figure S2. Thermogravimetric analysis curves of **2** under a argon atmosphere (a) TG curve (solid line); (b) DTG curve (dash dot line).

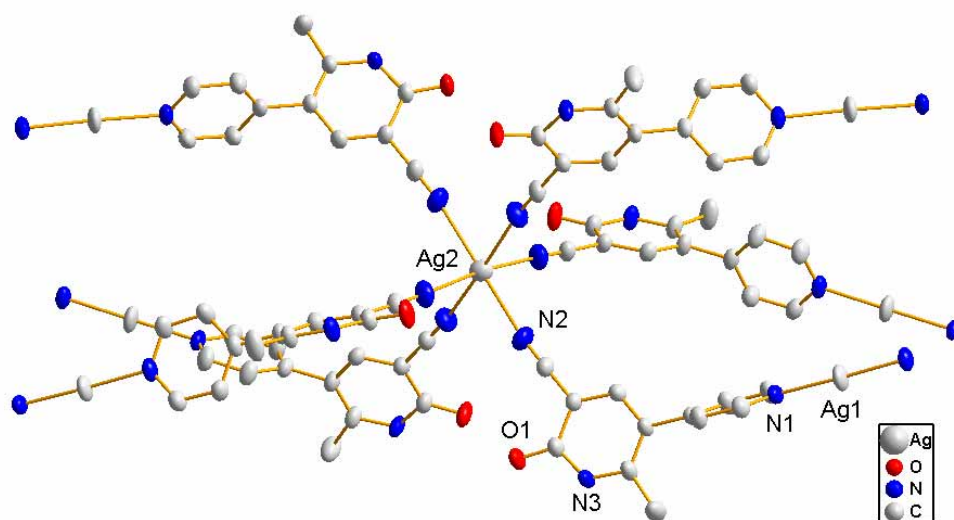


Figure S3. Partial view of the crystal structure of **2** (hydrogen atoms, methanol molecules and PF_6^- anions omitted for clarity).