Electronic supplementary information

Antitumor Effects of a Sb-rich Polyoxometalate on Non-Small-Cell Lung Cancer by Inducing Ferroptosis and Apoptosis†

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†Electronic Supplementary Information (ESI) available: Synthetic details, structural figures, and spectrum data. See DOI: 10.1039/x0xx00000x

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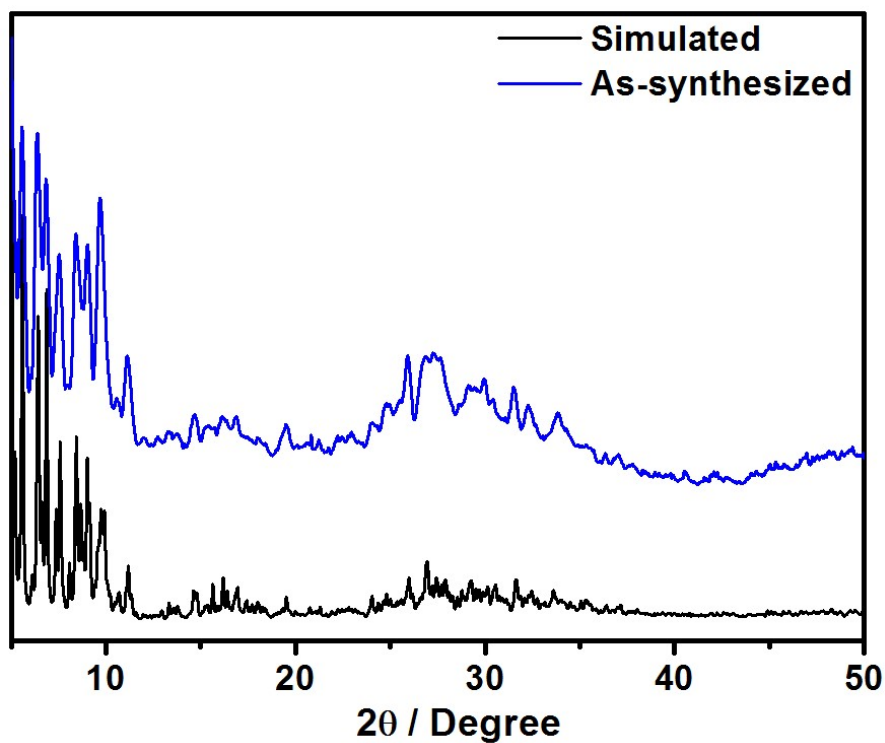**Correspondence:kongduxd@163.com;pengxu@fzu.edu.cn;saklizhixin@163.com.*

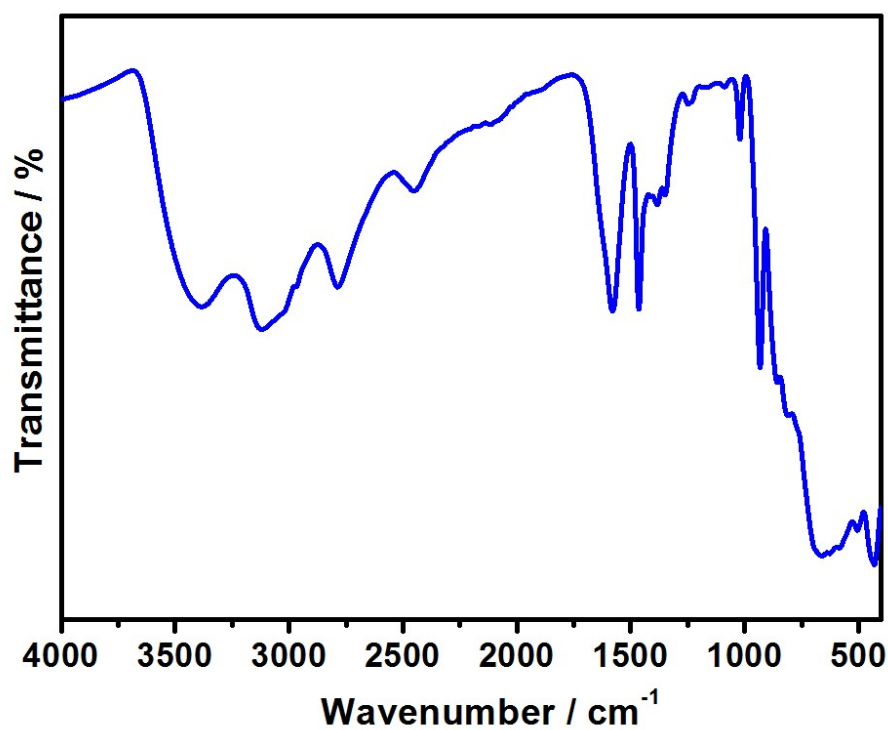**Fig. S1. The simulated and as-synthesized powder X-ray diffraction patterns of POM-1.**

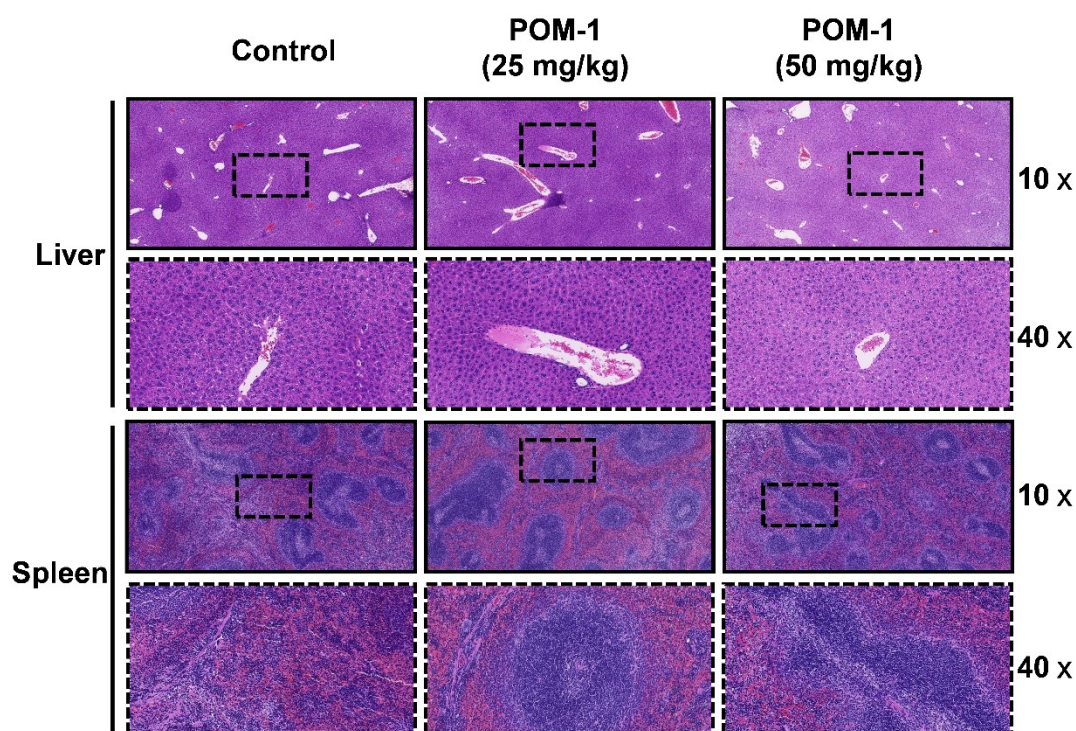**Fig. S2. FT-IR spectrometry of POM-1.**

Fig. S3. HE staining of liver and spleen dissected from the mice at 17 days of treatment in each group.
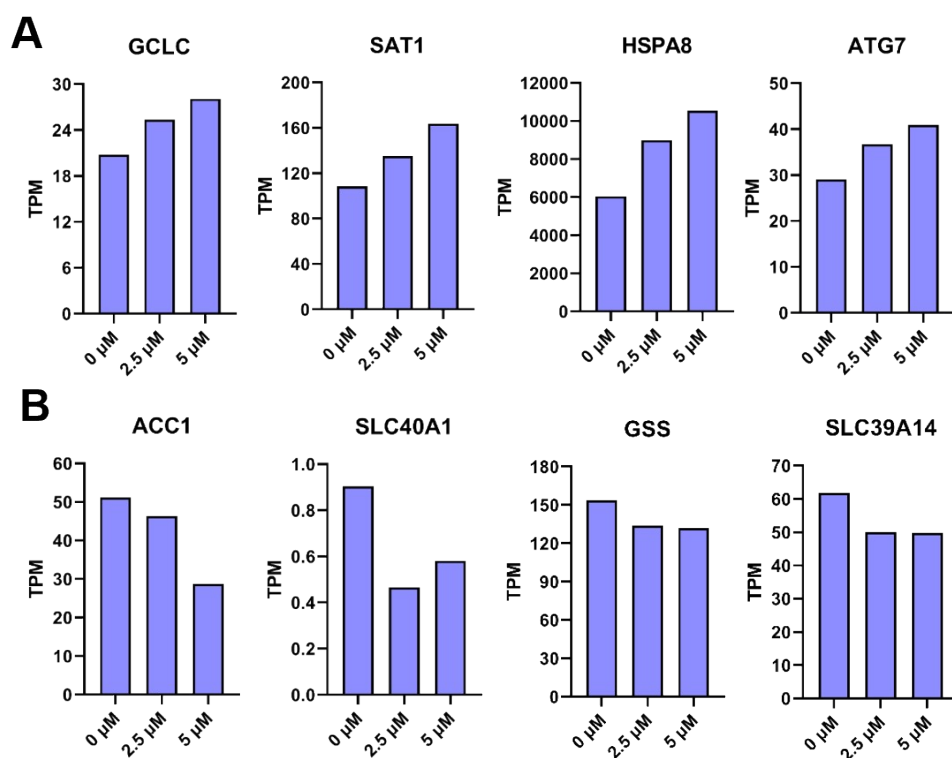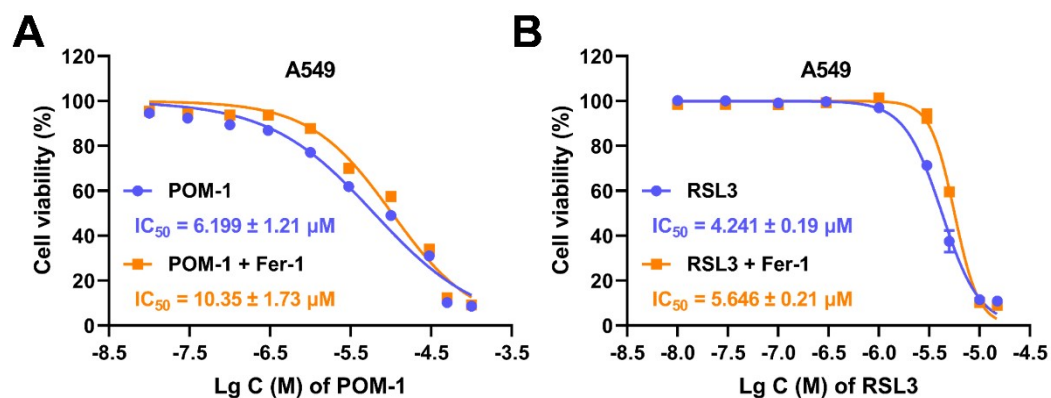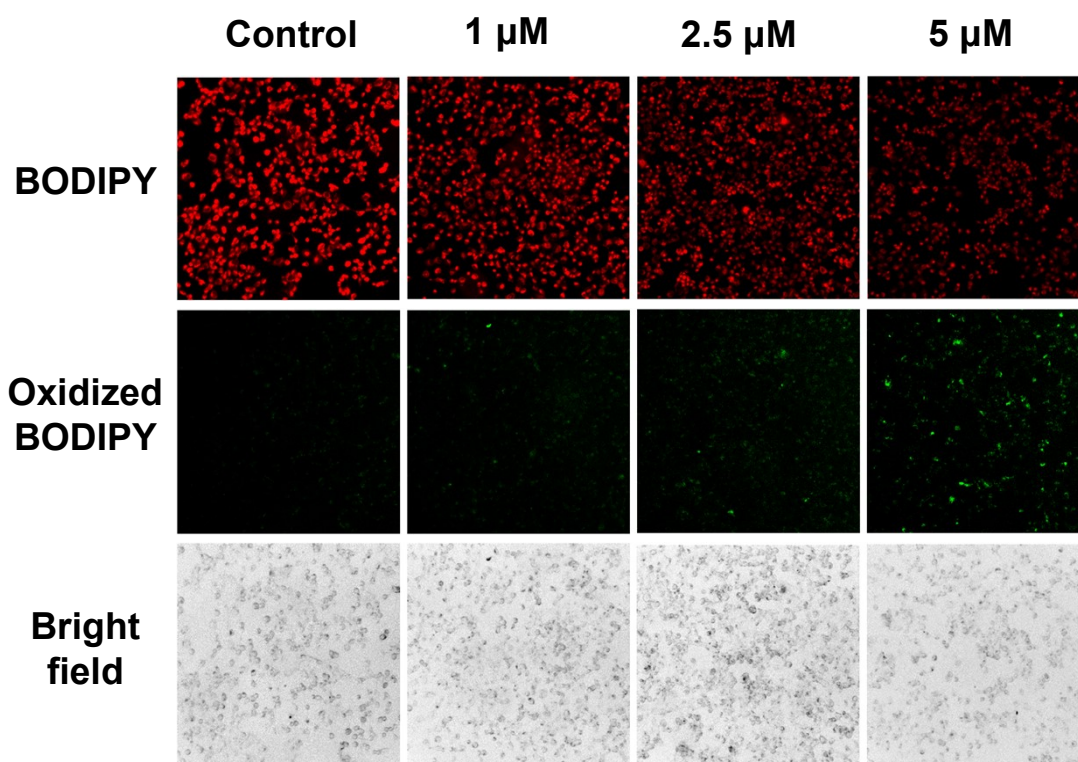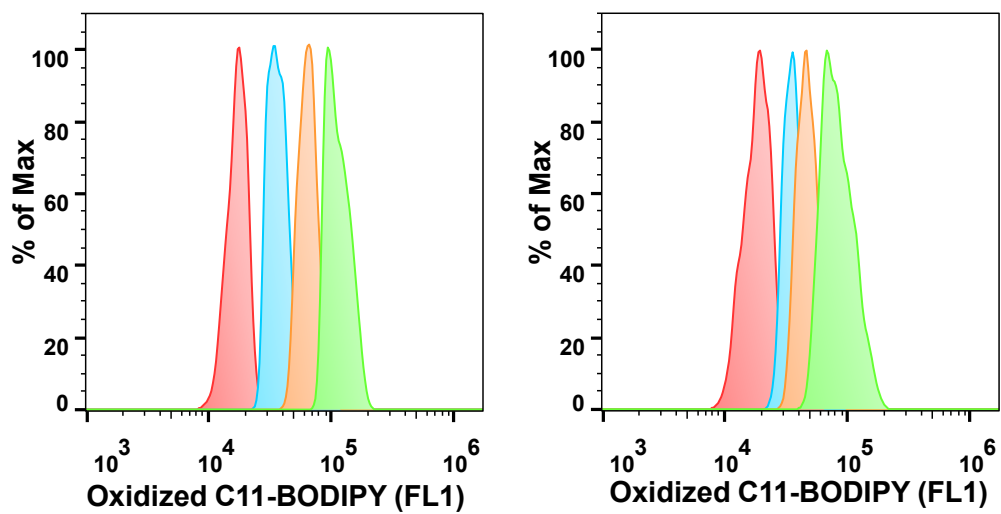

Fig. S4. Up-regulated (A) and down-regulated (B) DEGs of ferroptosis from POM-1 treated H1299 cells.

Fig. S5. POM-1 induced ferroptosis in A549 cells. (A) POM-1 and (B) RSL3 induced ferroptosis of A549 cells, and the effect of ferroptosis could be mitigated by Ferrostatin-1 (Fer-1).

Fig. S6. Fluorescence microscopy imaging of H1299 cells after POM-1 incubation using C11-BODIPY 581/591.

Fig. S7. C11-BODIPY 581/591 oxidized probe was quantitatively analyzed using flow cytometer after treatment with different concentrations of POM-1.