A plot showing the X-ray diffraction spectra of compound 4. The black line represents 4 obtained by controlled precipitation, and the red line represents 4 simulated.

- **Intensity (A.U.)**
- **2θ (°)**

The peaks at specific 2θ values indicate the crystal structure and purity of the compound. The controlled precipitation method yields a more distinct and sharper peak pattern compared to the simulated spectrum.