Syntheses, Crystal Structures and Properties of Six New Lanthanide(III) Transition Metal Tellurium(IV) oxyhalides with three types of Structures

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Supporting Materials

Figure S1. Powder X-ray (Cu K α) diffraction patterns for DyCuTe₂O₆Cl (**1**).

Figure S2. Powder X-ray ($\text{Cu K}\alpha$) diffraction patterns for $\text{ErCuTe}_2\text{O}_6\text{Cl}$ (1).

Figure S3. Powder X-ray ($\text{Cu K}\alpha$) diffraction patterns for $\text{Sm}_2\text{MnTe}_5\text{O}_{13}\text{Cl}_2$ (4).

Figure S4. Powder X-ray ($\text{Cu K}\alpha$) diffraction patterns for $\text{Nd}_4\text{CuTe}_5\text{O}_{15}\text{Cl}_3$ (6).

Figure S5. Powder X-ray ($\text{Cu K}\alpha$) diffraction patterns for NdOCl .