

Supporting information

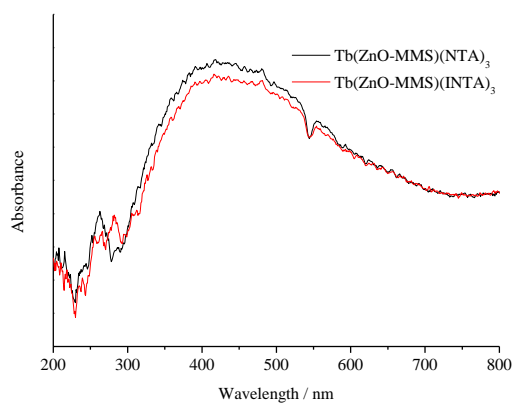


Figure S1 Ultraviolet-visible diffuse reflection absorption spectra of $\text{Tb}(\text{ZnO-MMS})(\text{NTA})_3$ and $\text{Tb}(\text{ZnO-MMS})(\text{INTA})_3$

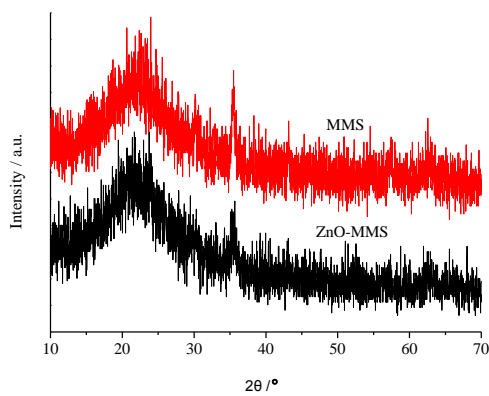


Figure S2 Wide-angle X-ray Diffraction pattern of MMS and ZnO-MMS

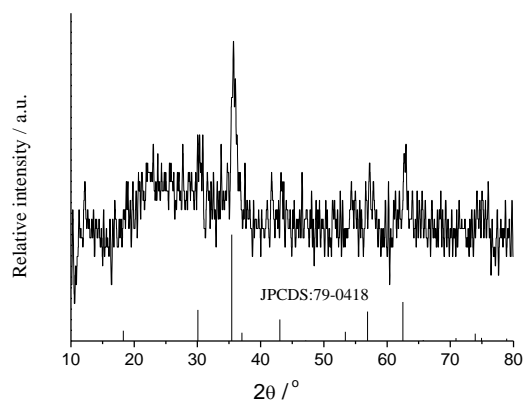


Figure S3 X-ray Diffraction pattern of Fe_3O_4 nanoparticles