Figure S1: EDX pattern of (a) ZnSb$_2$O$_6$, (b) CdSb$_2$O$_6$ (c) BaSb$_2$O$_6$ and (d) CdSb$_2$O$_6$:Tb$^{3+}$(1.5%): Eu$^{3+}$(0.5%).
**Figure S2**: Emission spectra of (a) CdSb$_2$O$_6$ and (b) BaSb$_2$O$_6$ nanoparticles.
Figure S3: Emission spectra of (a) CdSb$_2$O$_6$:Eu$^{3+}$(2%) and CdSb$_2$O$_6$:Eu$^{3+}$(5%) and (b) BaSb$_2$O$_6$:Eu$^{3+}$(2%) nanoparticles.
Figure S4: CdSb₂O₆:Eu³⁺(0.5%):Tb³⁺(1.5%) nanoparticles (a) excitation spectra at λₑₘ₅₉₀ nm and 611nm and (b) excitation spectrum at λₑₘ₅₄₃ nm.
Figure S5: BaSb$_2$O$_6$:Eu$^{3+}$(0.5%):Tb$^{3+}$(1.5%) nanoparticles (a) excitation spectra at $\lambda_{em}$ 590 and 611 nm and (b) excitation spectrum at $\lambda_{em}$ 543 nm.
Figure S6: (a) Temporal changes of RhB concentration as monitored by the UV–vis absorption spectra at $\lambda \geq 400$ nm on the as-prepared CdSb$_2$O$_6$ and CdSb$_2$O$_6$:Tb$^{3+}$(1.5%):Eu$^{3+}$(0.5%), (b) Photodegradation of RhB with CdSb$_2$O$_6$:Tb$^{3+}$(1.5%):Eu$^{3+}$(0.5%).