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Supplementary Information

Energy Transfer Processes in Tb(III)-Dibenzoylmethanate Complexes with Phosphine Oxide Ligands

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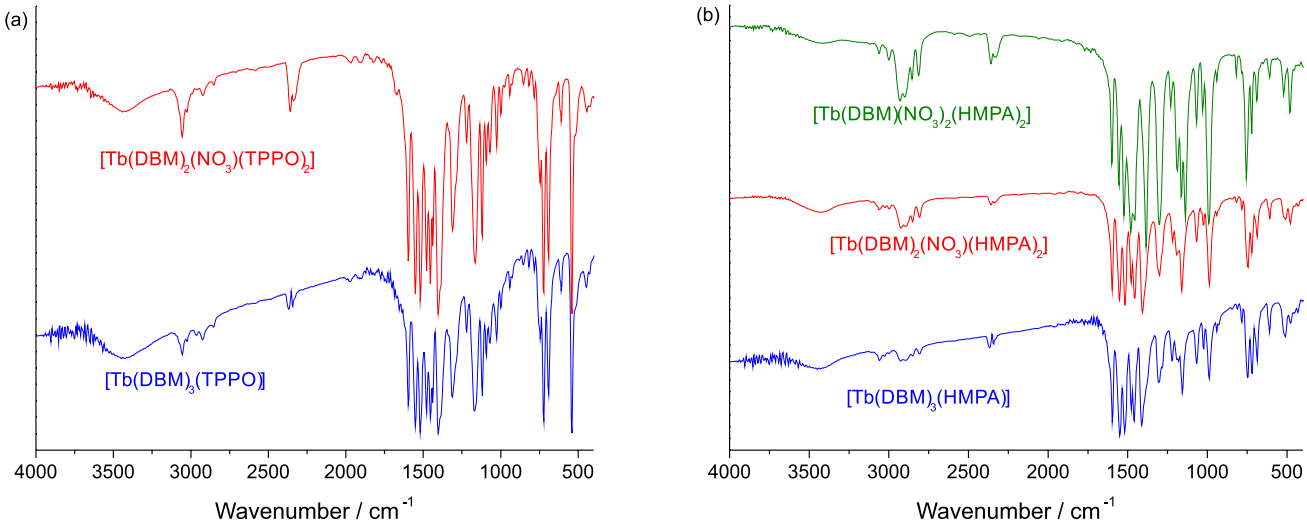

Figure S1. FTIR spectra of the Tb^{3+}-dibenzoylmethanate complexes: (a) $[Tb(DBM)_3(TPPO)_2]$ and $[Tb(DBM)_2(NO_3)(TPPO)_2]$, (b) $[Tb(DBM)_3(HMPA)_2]$, $[Tb(DBM)_2(NO_3)(HMPA)_2]$ and $[Tb(DBM)(NO_3)_2(HMPA)_2]$.

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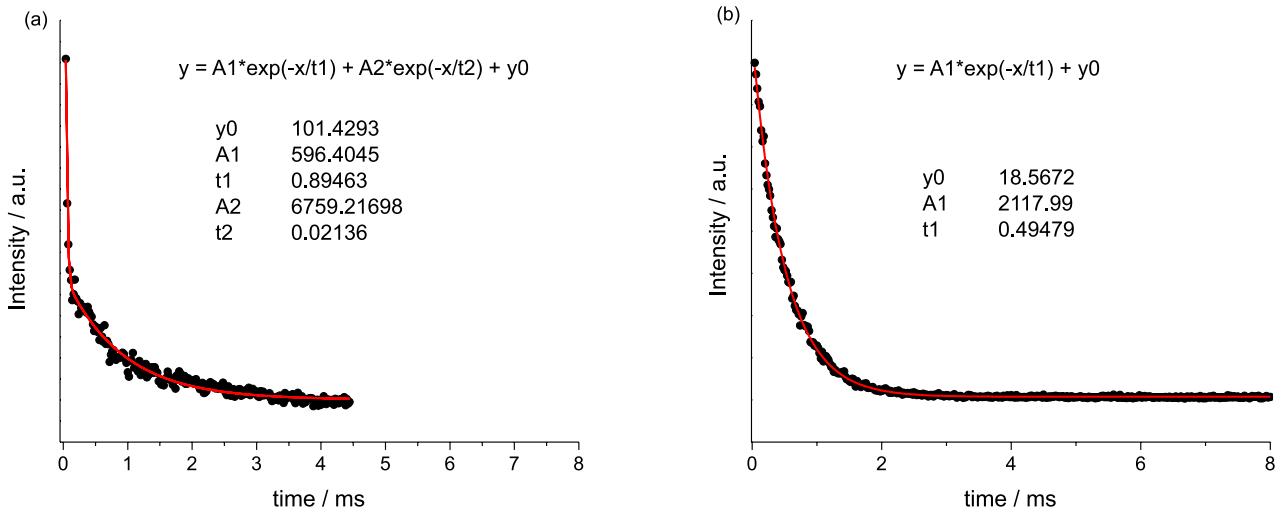

Figure S2. Luminescence decay curves of the Tb^{3+}-dibenzoylmethanate complexes: (a) $[Tb(DBM)_3(TPPO)_2]$ and (b) $[Tb(DBM)_2(NO_3)(TPPO)_2]$, recorded at 77 K under excitation and emission at 370 and 545 nm, respectively.

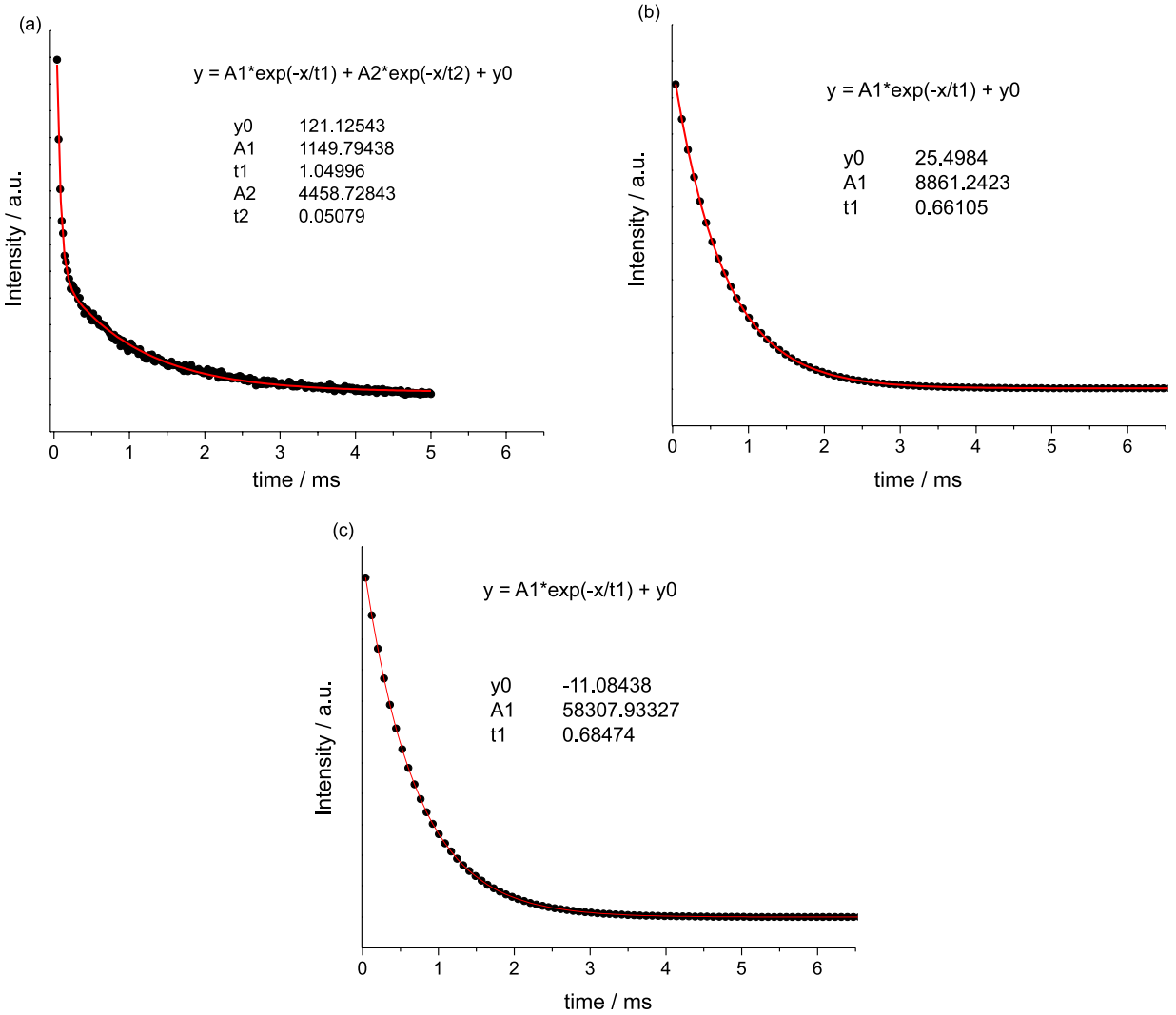

Figure S3. Luminescence decay curves of the Tb^{3+}-dibenzoylmethanate complexes, (a) $[Tb(DBM)_3(HMPA)_2]$, (b) $[Tb(DBM)_2(NO_3)(HMPA)_2]$ and (c) $[Tb(DBM)(NO_3)_2(HMPA)_2]$, recorded at 77 K under excitation and emission at 370 and 545 nm, respectively.