Electronic Supporting Information

Enhanced singlet oxygen generation of a soft salt through efficient energy transfer between two ionic metal complexes

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Fig. S1 Absorption spectrum of S1 in CH$_3$CN solution.
**Fig. S2** Absorption spectra of single oxygen trap DPBF (40 μM) with C1 (10 μM) in CH$_3$CN and under white light irradiation for different irradiation time.
Fig. S3 Absorption spectra of single oxygen trap DPBF (40 μM) with C1 (30 μM) in CH$_3$CN and under white light irradiation for different irradiation time.
Fig. S4 Absorption spectra of single oxygen trap DPBF (40 μM) with S1 (10 μM) in CH$_3$CN and under white light irradiation for different irradiation time.
Fig. S5 The emission intensity changes of S1 in CH$_3$CN/PBS buffer and DMEM at 37 °C.
Fig. S6 Confocal microscopy images of Hela cells. The cells were incubated with DCFH-DA (10 µM). After that, the cells were irradiated by white light (12 mW cm⁻²).
Fig. S7  Confocal microscopy images of Hela cells (excitation at 488 nm). The cells were incubated with S1 (1 μM) and then treated with DCFH-DA (10 μM). After that, the cells were irradiated by white light (12 mW cm⁻²).
Fig. S8 $^1$H NMR spectrum of S1.
Fig. S9 $^{13}$C NMR spectrum of S1.