Electronic Supporting Information

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

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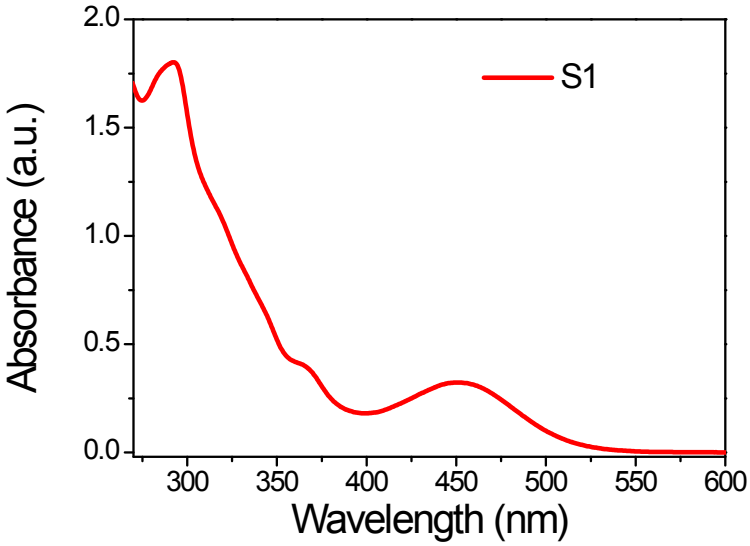

Fig. S1 Absorption spectrum of **S1** in CH_3CN solution.

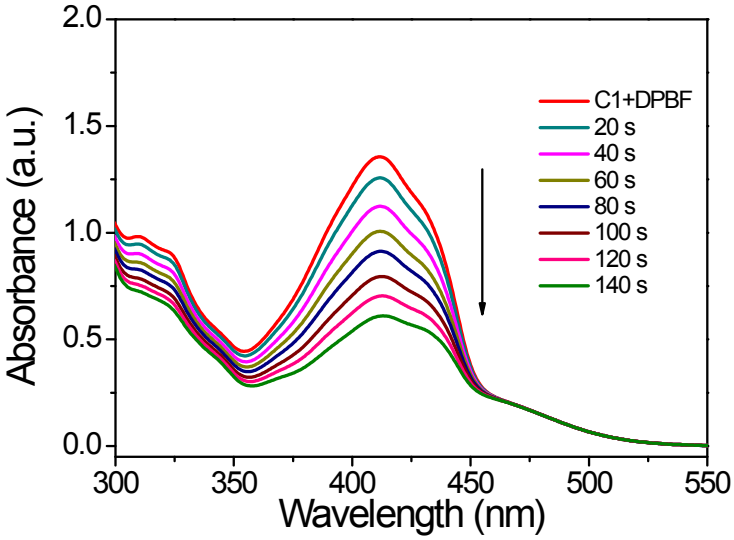

Fig. S2 Absorption spectra of single oxygen trap DPBF (40 μM) with **C1** (10 μM) in CH_3CN and under white light irradiation for different irradiation time.

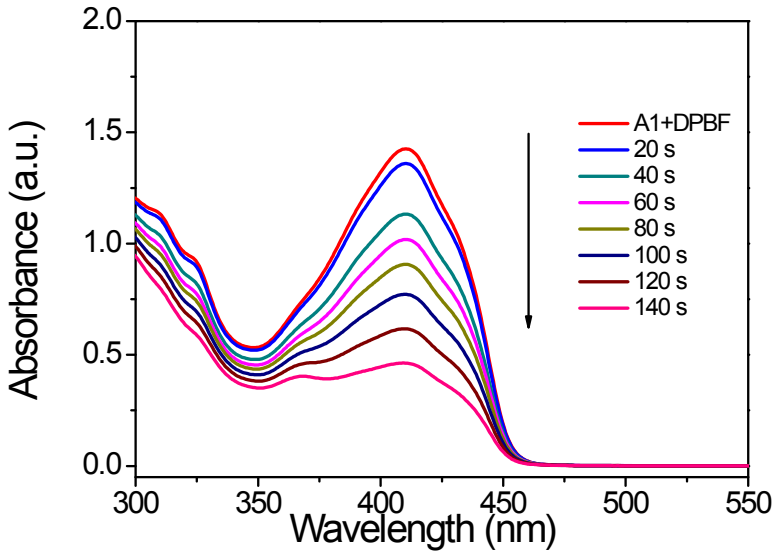

Fig. S3 Absorption spectra of single oxygen trap DPBF (40 μM) with **C1** (30 μM) in CH_3CN and under white light irradiation for different irradiation time.

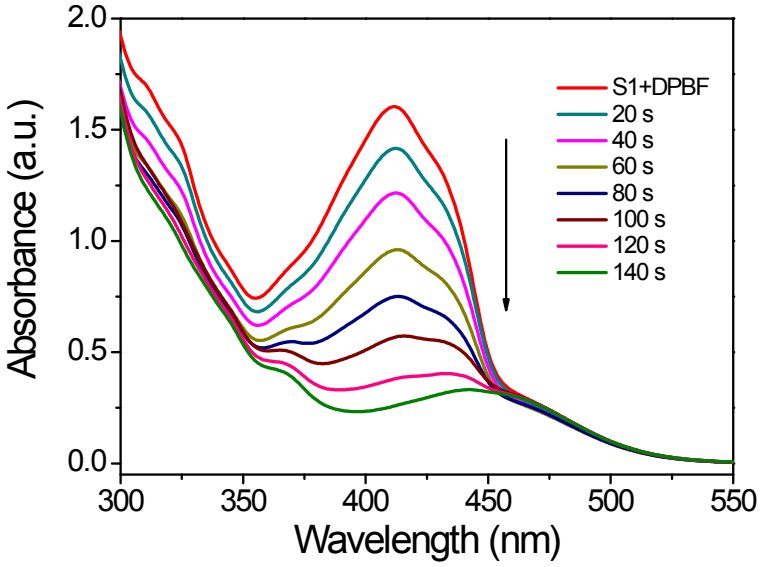

Fig. S4 Absorption spectra of single oxygen trap DPBF (40 μM) with **S1** (10 μM) in CH_3CN and under white light irradiation for different irradiation time.

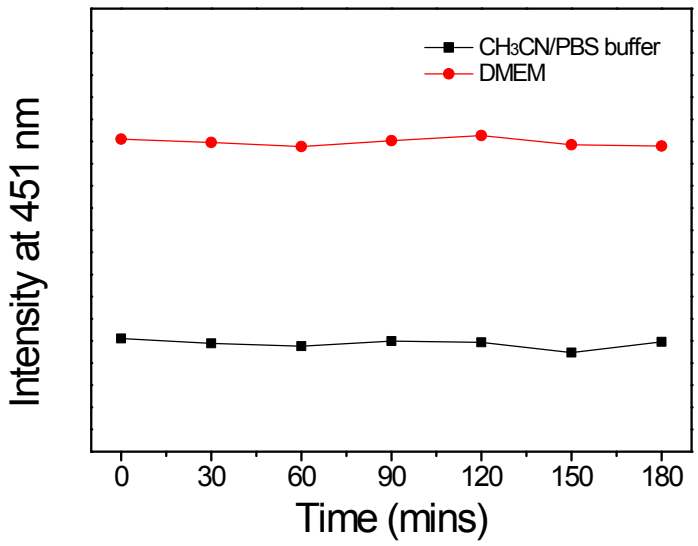

Fig. S5 The emission intensity changes of **S1** in CH_3CN/PBS buffer and DMEM at 37 °C.

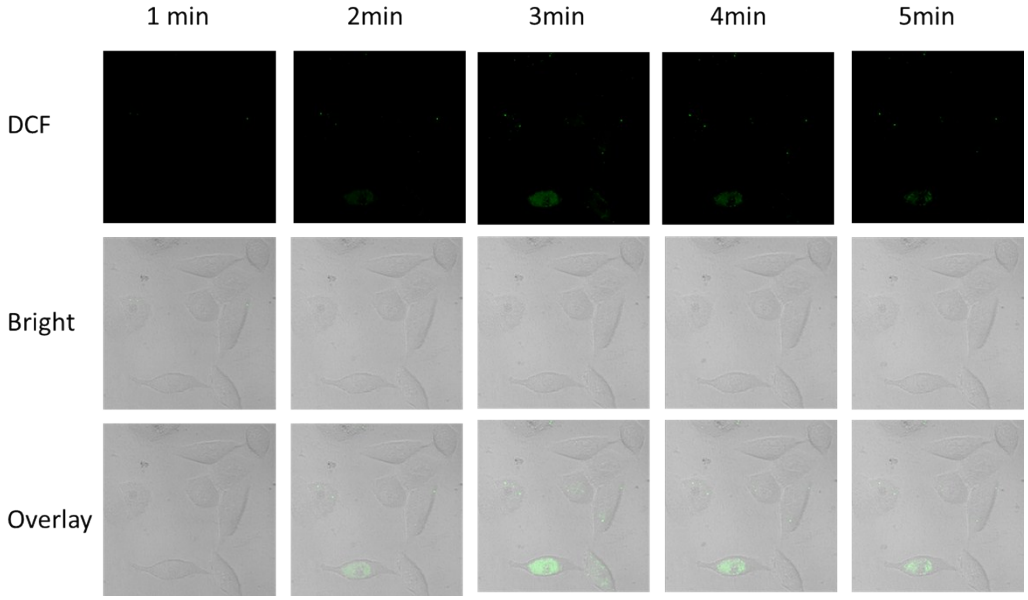

Fig. S6 Confocal microscopy images of Hela cells. The cells were incubated with DCFH-DA (10 μM). After that, the cells were irradiated by white light (12 mW cm^{-2}).

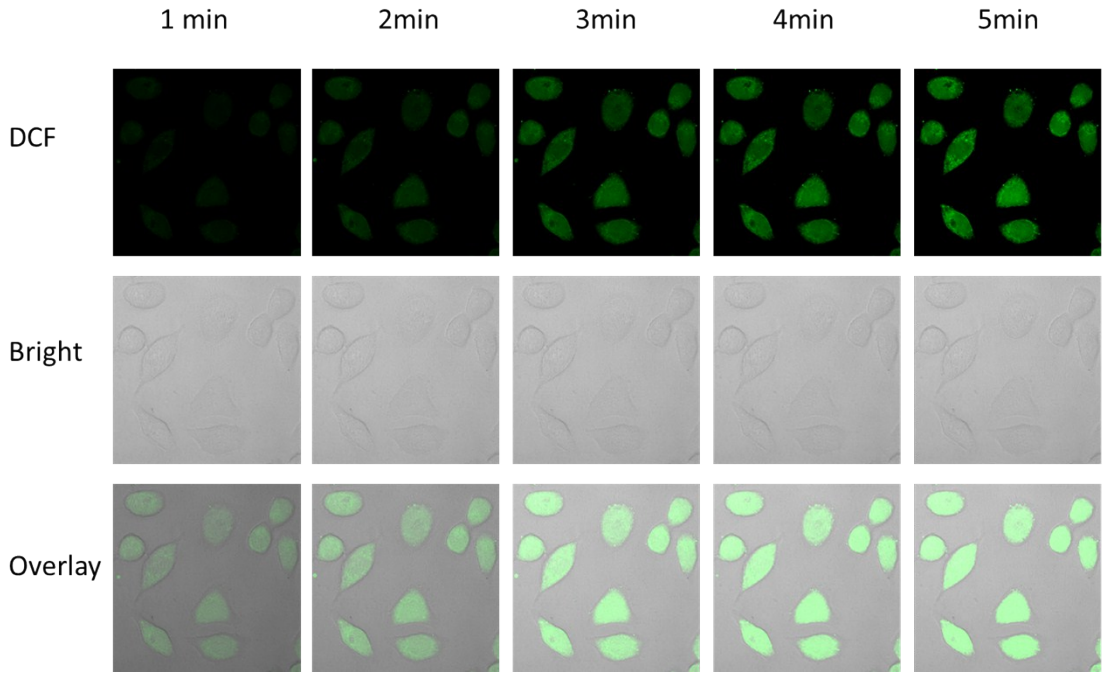

Fig. S7 Confocal microscopy images of Hela cells (excitation at 488 nm). The cells were incubated with **S1** (1 μM) and then treated with DCFH-DA (10 μM). After that, the cells were irradiated by white light (12 mW cm^{-2}).

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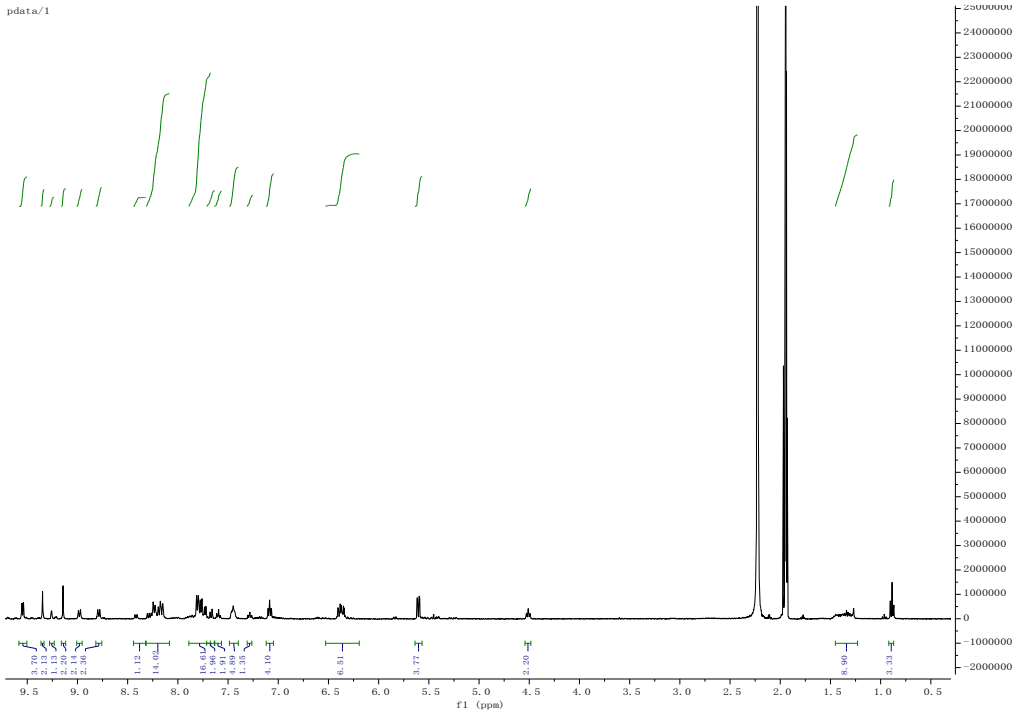

Fig. S8 ^{1}H NMR spectrum of **S1**.

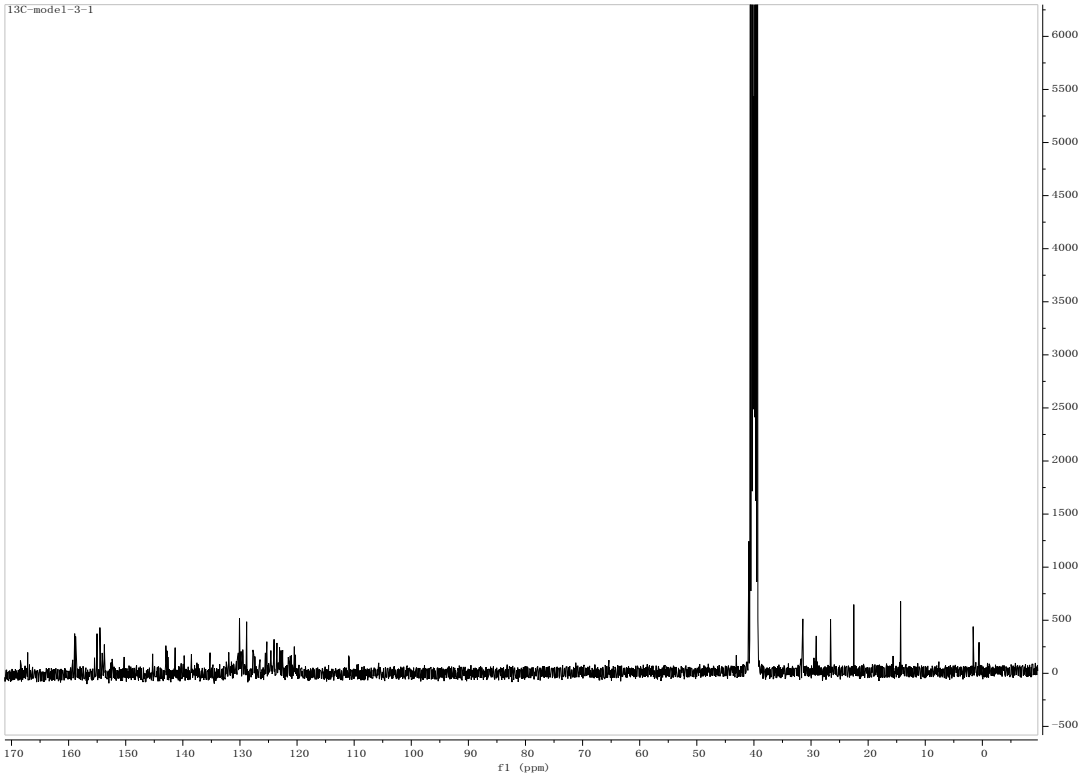

Fig. S9 ^{13}C NMR spectrum of **S1**.