Electronic Supporting Information

A Zinc(II) Phthalocyanine Conjugated with an Oxaliplatin Derivative for Dual Chemo- and Photodynamic Therapy

Janet T. F. Lau, Pui-Chi Lo,* Wing-Ping Fong, and Dennis K. P. Ng*

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Table S1. Electronic absorption and fluorescence data for **11** and **12** in DMF.

Compound	λ_{max} (nm) (log ϵ)	λ_{em} (nm) ^a	Φ_{F} ^b	Φ_{Δ} ^c
11	344 (4.69), 607 (4.48), 639 (4.42), 672 (5.23)	688	0.22	0.56
12	347 (4.78), 606 (4.50), 639 (4.42), 672 (5.27)	688	0.25	0.57

^a Excited at 610 nm. ^b Using ZnPc in DMF as the reference ($\Phi_{\text{F}} = 0.28$). ^c Using ZnPc as the reference ($\Phi_{\Delta} = 0.56$ in DMF).

Figure S1. Electronic absorption spectra of **11** in DMF in different concentrations. The inset plots the absorbance at 672 nm versus the concentration of **11**.

Figure S2. Electronic absorption spectra of **12** in DMF in different concentrations. The inset plots the absorbance at 672 nm versus the concentration of **12**.

Figure S3. Comparison of the rate of decay of DPBF (initial concentration = 70 μ M) sensitized by **11**, **12**, or **ZnPc** (3 μ M) in DMF as shown by the decrease in the absorbance at 411 nm with time.

(a)

(b)

Figure S4. (a) Electronic absorption and (b) fluorescence spectra of **11** (---) and **12** (—), formulated with Cremophor EL, in the DMEM (both at 8 μ M).

Figure S5. Visualization of the bright field images (column 1), intracellular fluorescence of HT29 using filter sets specific for **11** (column 2, in red) and ER-Tracker, MitoTracker, or SYTO-16 (column 3, in green), and the corresponding superimposed images (column 4).

In the following spectra, the residual solvent signals are marked with asterisks.

Figure S6. ^1H NMR spectrum of **3** in CDCl_3 .

Figure S7. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of **3** in CDCl_3 .

Figure S8. ¹H NMR spectrum of **4** in CDCl₃.

Figure S9. ¹³C{¹H} NMR spectrum of **4** in CDCl₃.

Figure S10. ¹H NMR spectrum of **6** in CDCl₃.

Figure S11. ¹³C{¹H} NMR spectrum of **6** in CDCl₃.

Figure S12. ¹H NMR spectrum of **8** in CDCl₃ (with a trace amount of pyridine-d₅).

Figure S14. ¹H NMR spectrum of **9** in DMSO-d₆ (with a trace amount of pyridine-d₅).

Figure S15. ¹³C{¹H} NMR spectrum of **9** in DMSO-d₆ (with a trace amount of pyridine-d₅).

Figure S16. ¹H NMR spectrum of **11** in DMSO-d₆ (with a trace amount of pyridine-d₅).