Electronic Supplementary Information

Synthesis and biological evaluation of an epidermal growth factor receptor-targeted peptide-conjugated phthalocyanine-based photosensitiser

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Fig. S3 (a) Electronic absorption and (b) fluorescence ($\lambda_{ex} = 610$ nm) spectra of ZnPc-QRH* (4) (2 µM) in DMF and PBS with 0.01% Tween 80 (v/v).

Fig. S4 Rate of decay of DPBF (initial concentration = 30 µM) in PBS with 0.01% Tween 80 (v/v), as monitored spectroscopically at 417 nm, using ZnPc-QRH* (4) and ZnPc-EPR* (5) as photosensitisers (2 µM).

Fig. S5 Quantified fluorescence intensities of HT29 cells after incubation with 4 (2 µM) for 10 min, followed by a 6-h incubation in a drug-free medium. Fluorescence intensities of 5 cells in each of 15 independent images were quantified using LAS X software. Data are expressed as the mean ± standard error of the mean (SEM) of three independent experiments.

Fig. S6 Normalised intracellular fluorescence intensities of conjugate 4 as determined by confocal microscopy. HT29 cells were pre-incubated with free QRH* at various concentrations for 30 min at 37 °C. They were then washed with PBS and then incubated further with 4 (2 µM) for 10 min, followed by a 6-h incubation in a drug-free medium. Data are expressed as the mean ± SEM of three independent experiments.
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