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 ($\lambda_{ex} = 610 \text{ nm}$) spectra of ZnPc-QRH* (4) (2 μ M) in DMF and PBS with 0.01% Tween 80 (v/v).
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- **Fig. S5** Quantified fluorescence intensities of HT29 cells after incubation with 4 (2 μ M) 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 \pm 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 μ M) for 10 min, followed by a 6-h incubation in a drug-free medium. Data are expressed as the mean \pm SEM of three independent experiments.



Fig. S1 (a) HPLC chromatogram and (b) MALDI-TOF mass spectrum of ZnPc-QRH* (4).



Fig. S2 (a) HPLC chromatogram and (b) MALDI-TOF mass spectrum of ZnPc-EPR* (5).



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