Electronic Supplementary Information

**Manuscript Title:** Synthesis, Photophysical Properties and *in vitro* Photodynamic Activity of Axially Substituted Subphthalocyanines

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Fig. S1 (a) UV-Vis and (b) fluorescence spectra of 2-5 in the DMEM medium (8.0 µM). The corresponding spectra in the RPMI medium are shown in (c) and (d).
**Fig. S2**  Changes in the Q-band absorbance of 2 (stars), 3 (squares), 4 (circles) and 5 (triangles) in the RPMI medium (all at 2.0 µM) with time, both in the absence (closed symbols) and presence (open symbols) of light (λ > 515 nm, 9 mW cm\(^{-2}\)). The data were taken at 3-min intervals.
**Fig. S3** Changes in absorption spectra of (a) 2, (b) 3, (c) 4 and (d) 5 (all at 8.0 µM) in the presence of RNO (0.02 mM) and imidazole (5.0 mM) in the RPMI medium upon irradiation (λ > 515 nm) with time. The spectra were taken at 3-min intervals. The relative rates of decay of RNO and the photosensitiser can be compared by monitoring the decrease in absorbance at 440 and 563-564 nm, respectively.
Fig. S4  (a) $^1$H and (b) $^{13}$C{$_^1$H} NMR spectra of 2 in CDCl$_3$. 
Fig. S5  (a) $^1$H and (b) $^{13}$C{$^1$H} NMR spectra of 3 in CDCl$_3$. 
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Fig. S7  (a) $^1$H and (b) $^{13}$C{$^1$H} NMR spectra of 5 in CDCl$_3$. 