SUPPORTING INFORMATION

Hydrosoluble Dendritic Poly(ethylene oxide)s with Zinc Tetraphenylporphyrin Branching Points as Photosensitizers.

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**Figure S6.** Fluorescence emission spectra of dendritic porphyrin 7 in CH$_2$Cl$_2$ (red) and water (blue), $\lambda_{ex}$ = 560 nm.
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Figure S9. Emission spectra of singlet oxygen generated by dendritic porphyrin photosensitizer (7) (8.7×10⁻⁶ M) in D₂O (black), in presence of ¹O₂ quencher DABCO: 1eq (red) and 0.1M (blue). Excitation at 560 nm.
**Figure S10.** Emission spectra of singlet oxygen generated by dendritic porphyrin photosensitizer (10) (2.7×10⁻⁶ M) in D₂O (black), in presence of ¹⁰₂ quencher DABCO: 1eq (red) and 0.1M (blue). Excitation at 560 nm.
Figure S11. Advancement of photodegradation of (4 ■), (7 ●) and (10 ▲) in air-equilibrated D₂O on a long timescale (in seconds) upon irradiation at 532 nm. (Laser power = 3.7 mW)
Table of photodegradation data corresponding to the average degradation of individual chromophores within the dendrimers based on initial mean absorptivity.

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<th>ref</th>
<th>( \Phi )</th>
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<tr>
<td>4</td>
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