

Supporting Information

Highly photocytotoxic 1,4-dipegylated zinc(II) phthalocyanines. Effects of the chain length on the *in vitro* photodynamic activities

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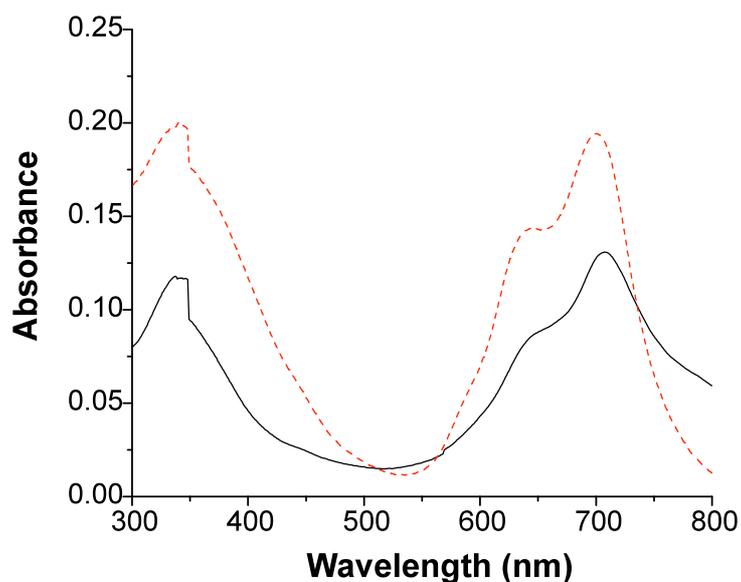


Fig. S1 Electronic absorption spectra of **5a** (solid line) and **5f** (dash line) in thin solid films.

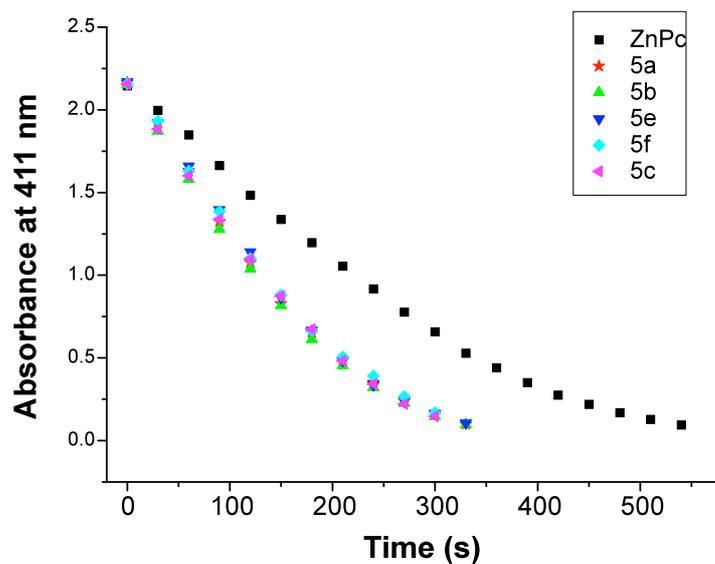


Fig. S2 Comparison of the rates of decay of DPBF in DMF, as monitored spectroscopically at 411 nm, using phthalocyanines **5a-5c** and **5e-5f** as the photosensitisers and ZnPc as the reference.

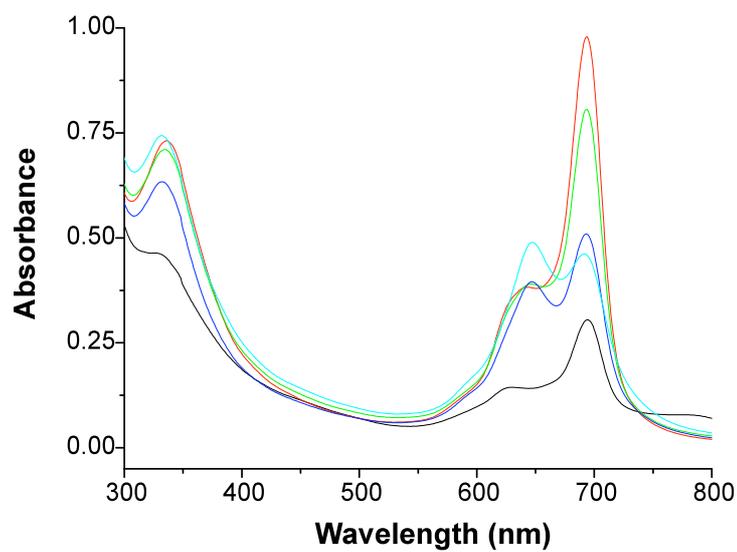
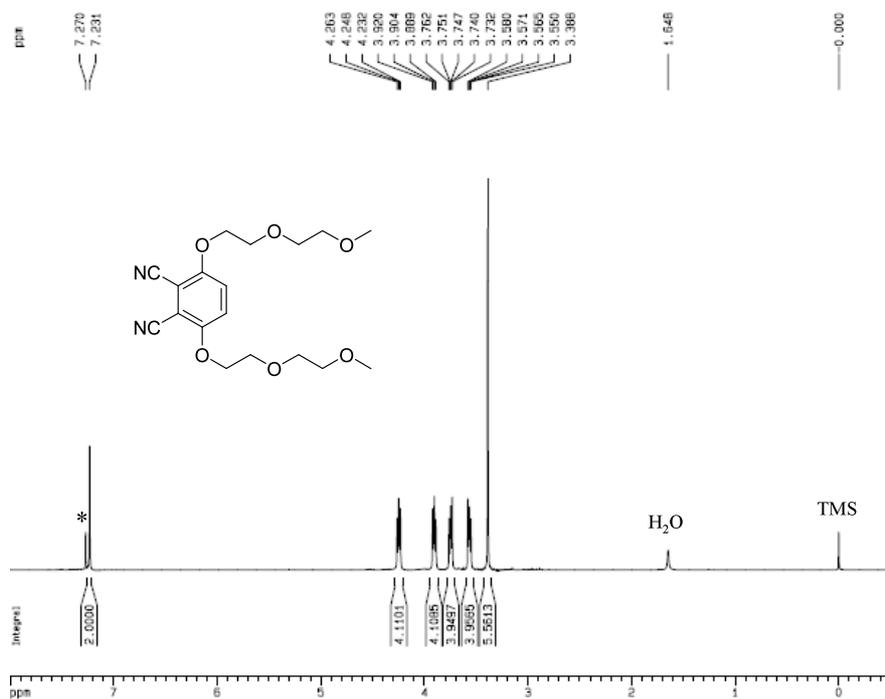
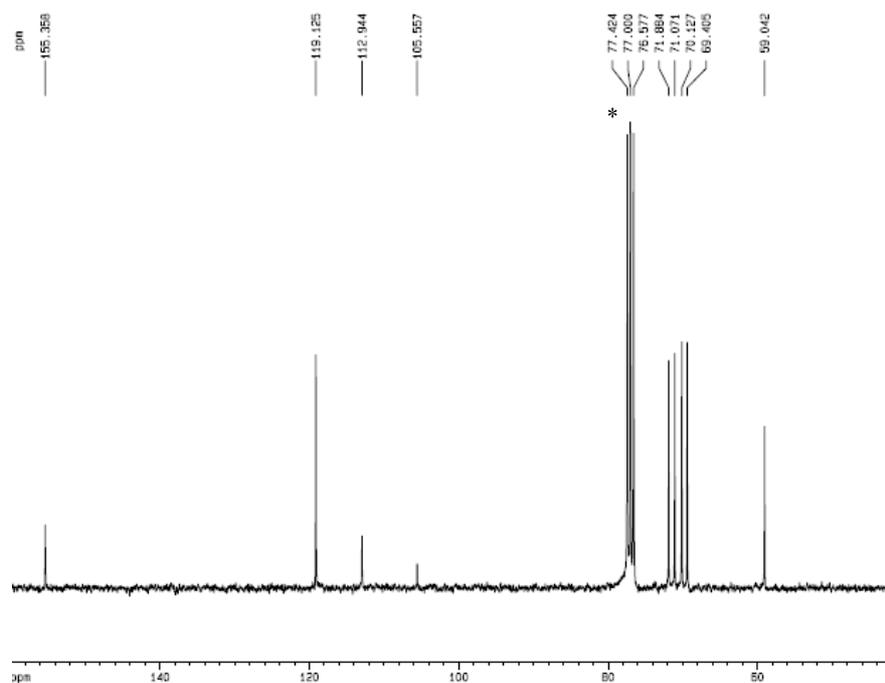


Fig. S3 Electronic absorption spectra of ZnPc[O(CH₂CH₂O)_nMe]₂ [n = 2 (**5a**) (black), 4 (**5b**) (red), 6 (**5e**) (green), 8 (**5f**) (blue) and ca. 12 (**5c**) (cyan)], formulated with Cremophor EL, in the RPMI culture medium (all at 8 μM).

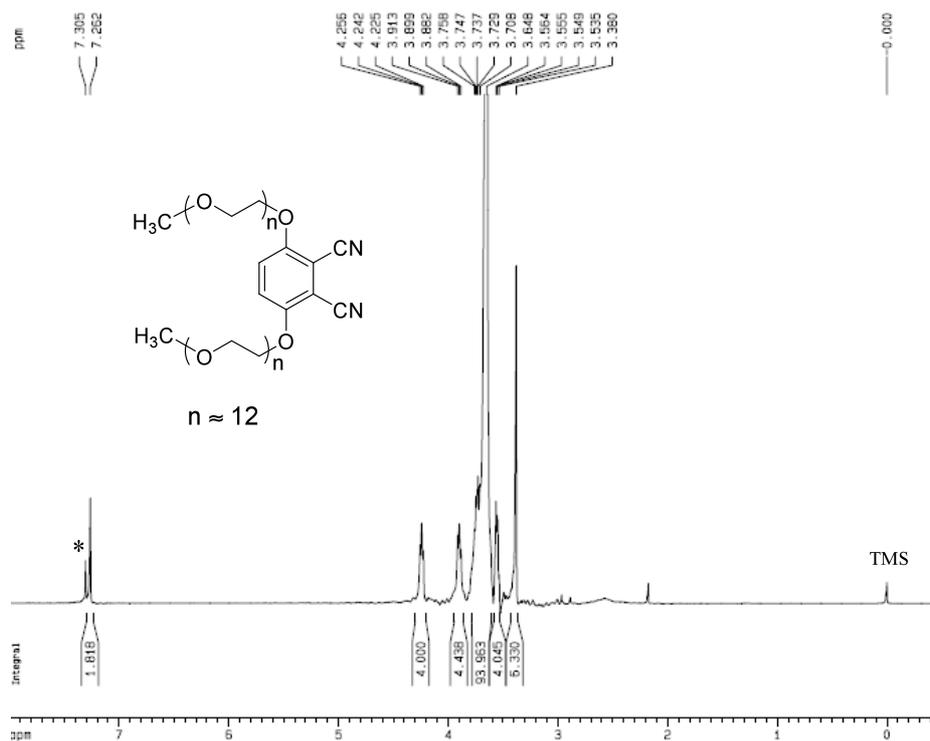
In all of the following spectra, residual solvent (for ^1H NMR) or solvent (for ^{13}C NMR) signals are marked with asterisks



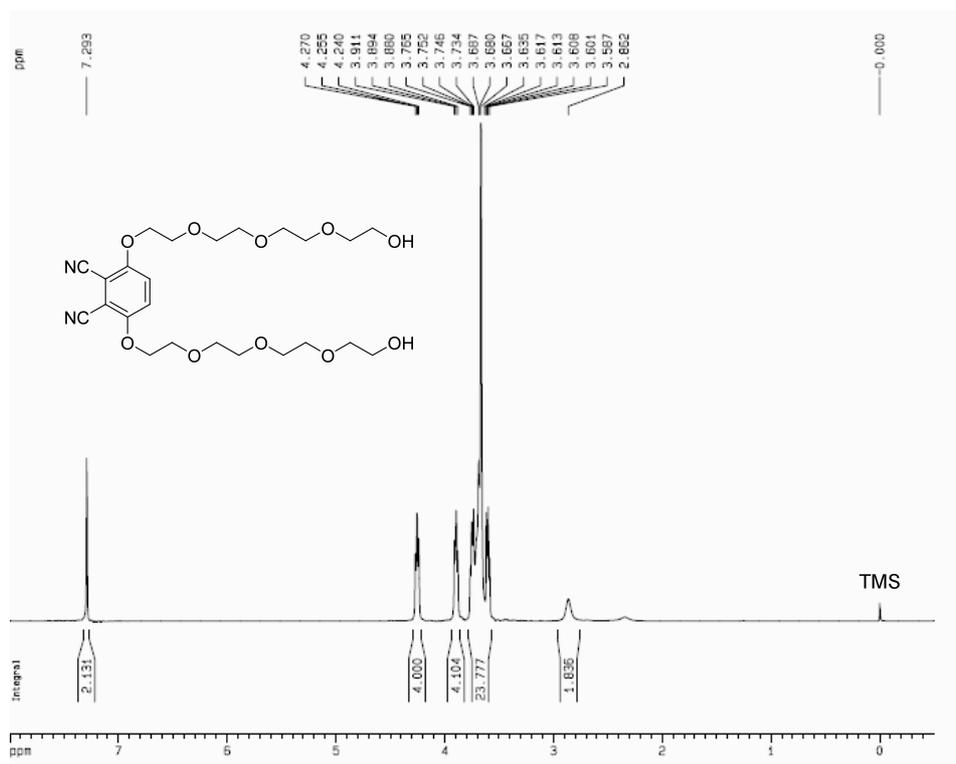
^1H NMR spectrum of **3a** in CDCl_3 .



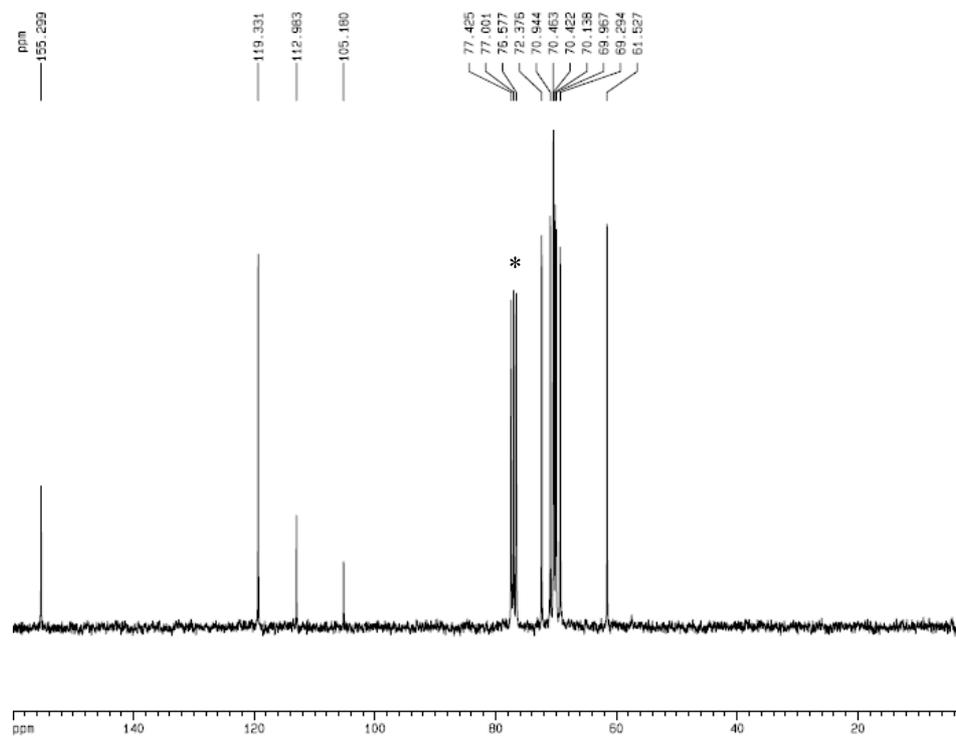
$^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of **3a** in CDCl_3 .



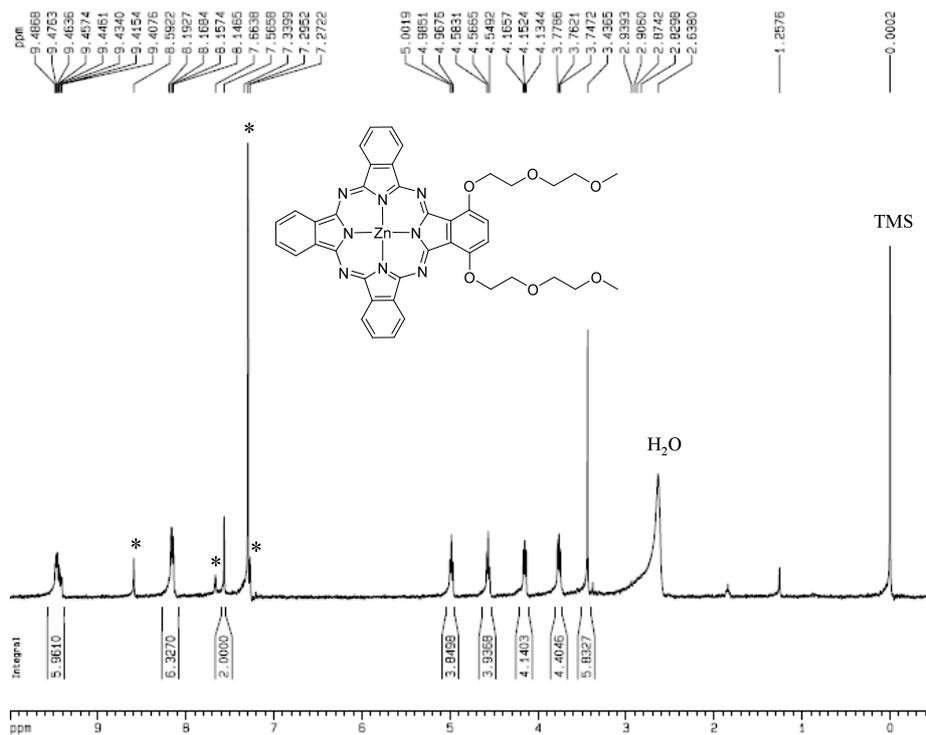
^1H NMR spectrum of **3c** in CDCl_3 .



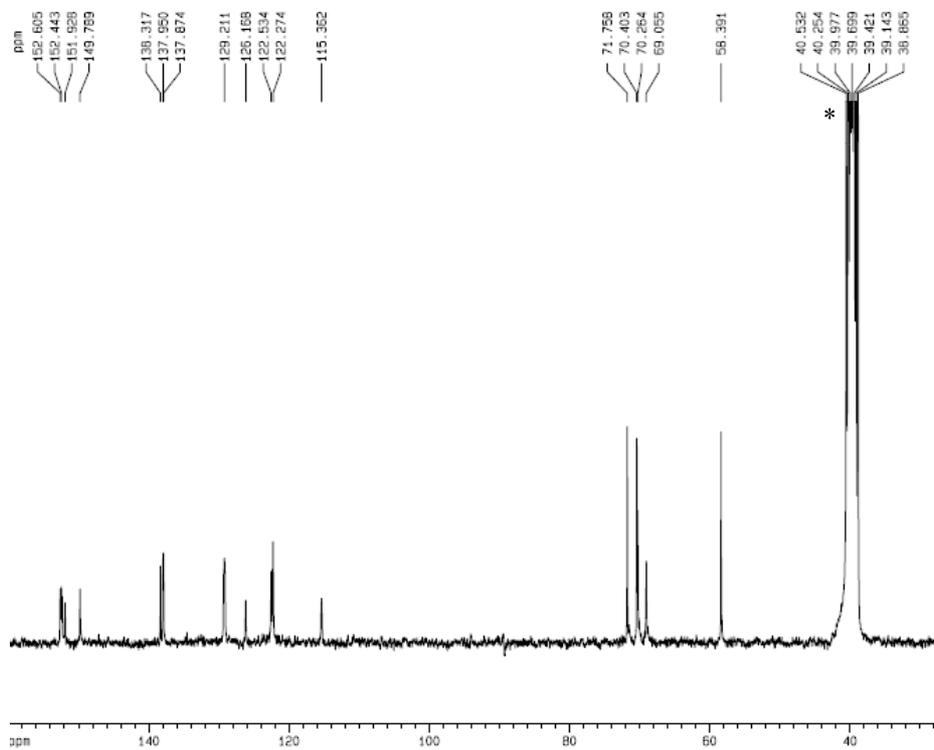
¹H NMR spectrum of **3d** in CDCl₃.



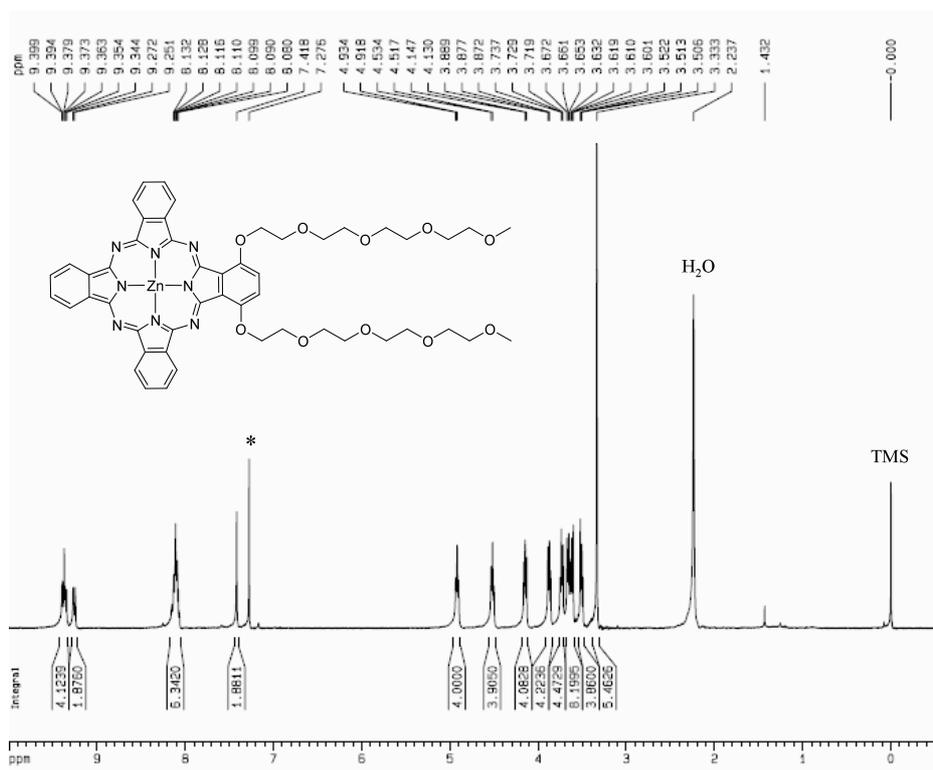
¹³C {¹H} NMR spectrum of **3d** in CDCl₃.



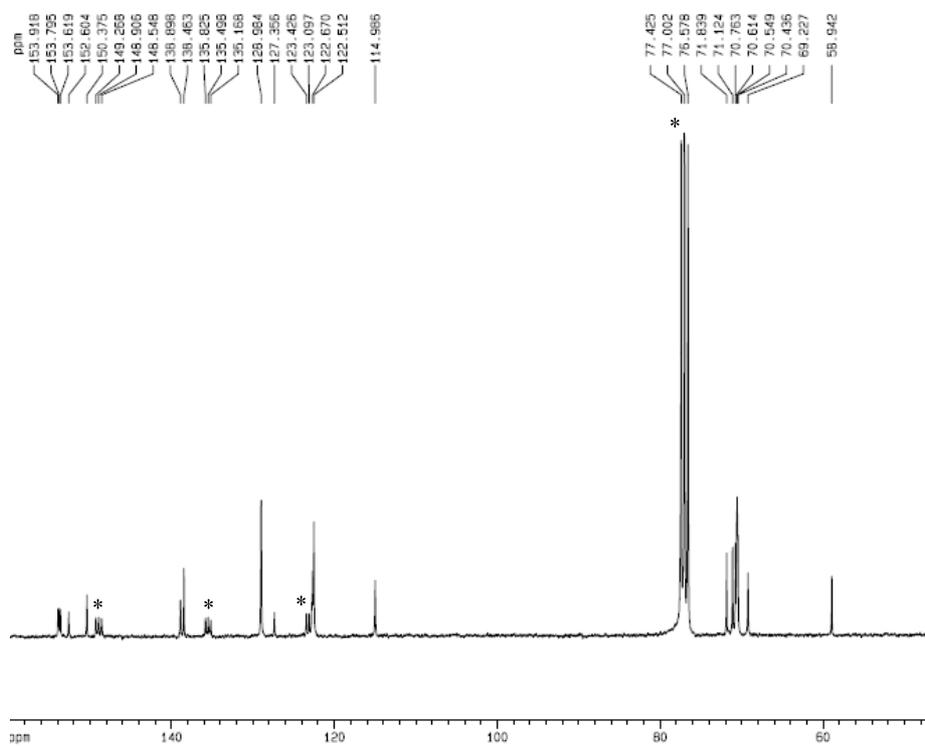
¹H NMR spectrum of **5a in CDCl₃ with a trace amount of pyridine-d₅.**



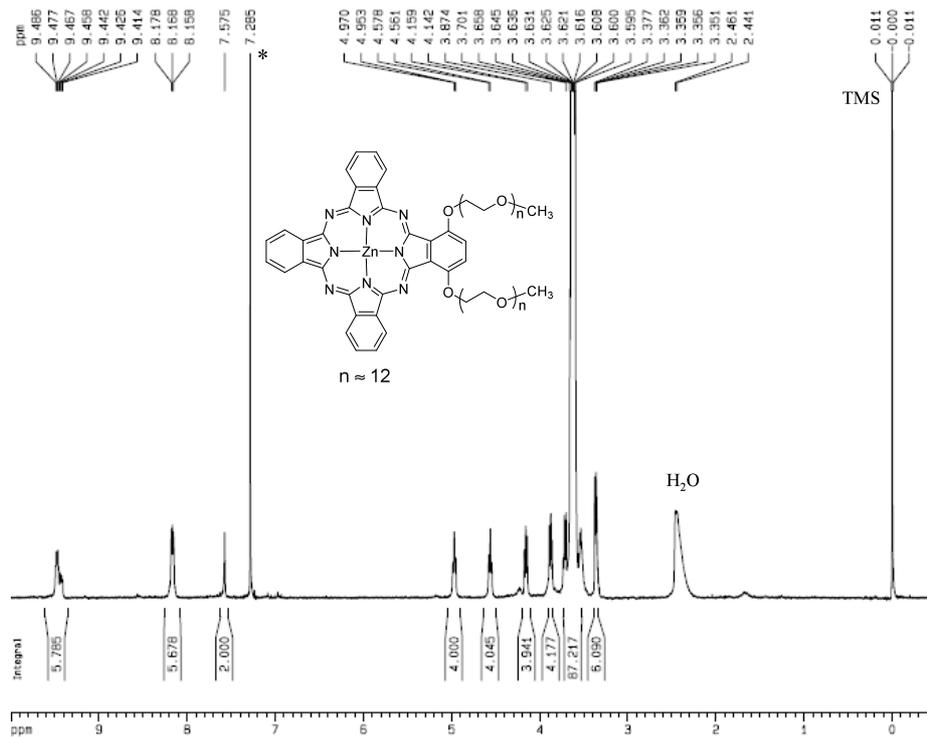
¹³C{¹H} NMR spectrum of **5a in DMSO-d₆.**



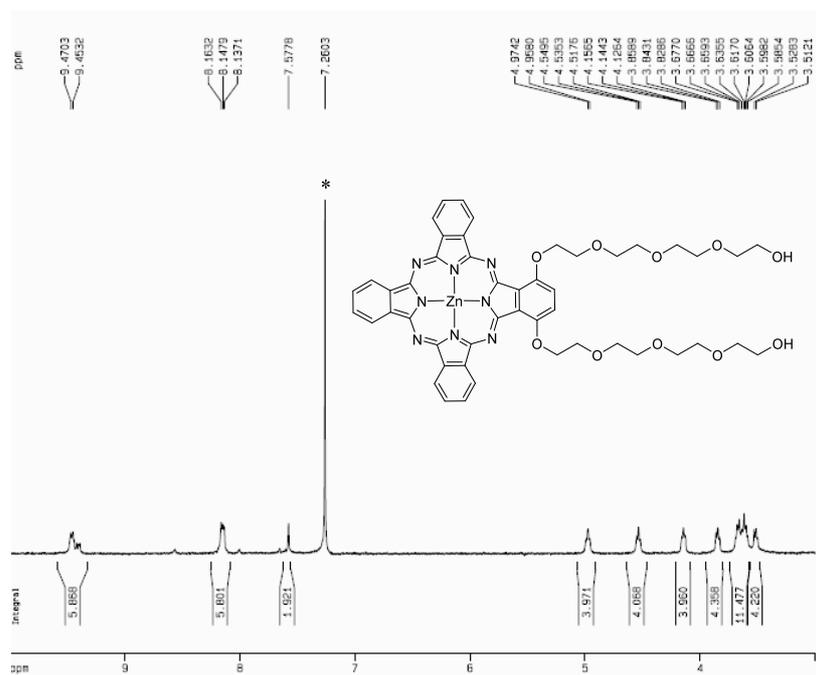
¹H NMR spectrum of **5b** in CDCl₃ with a trace amount of pyridine-d₅.



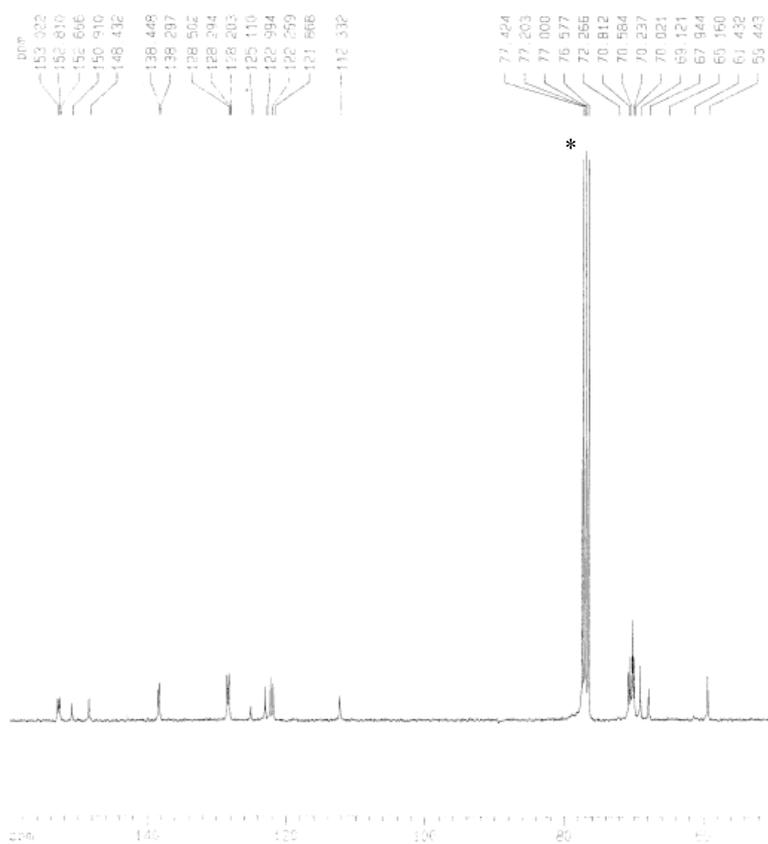
¹³C{¹H} NMR spectrum of **5b** in CDCl₃ with a trace amount of pyridine-d₅.



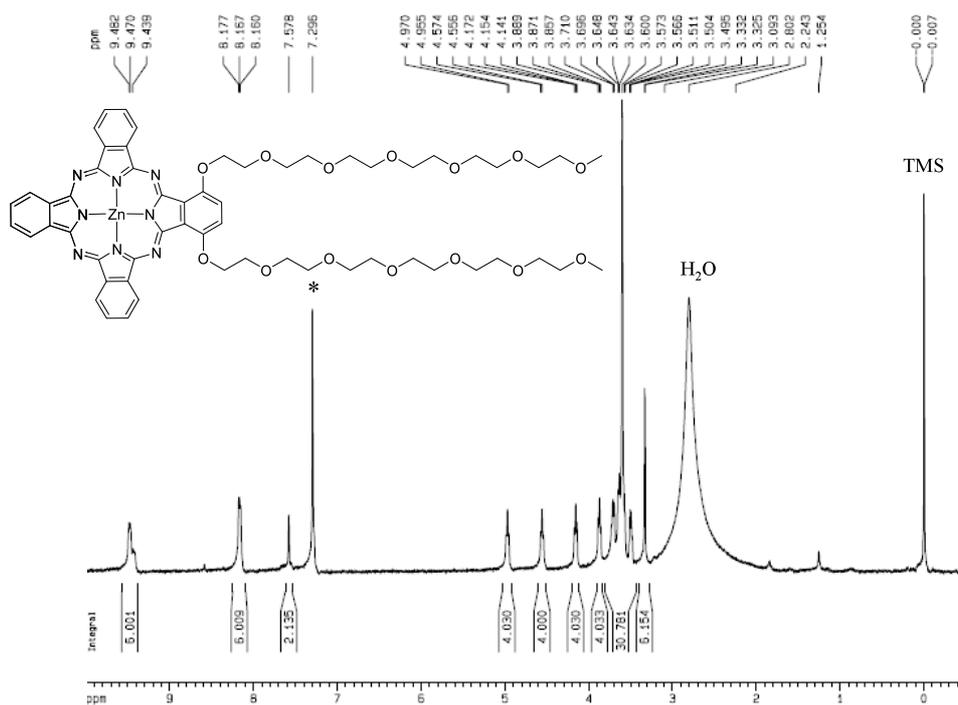
^1H NMR spectrum of **5c** in CDCl_3 with a trace amount of pyridine- d_5 .



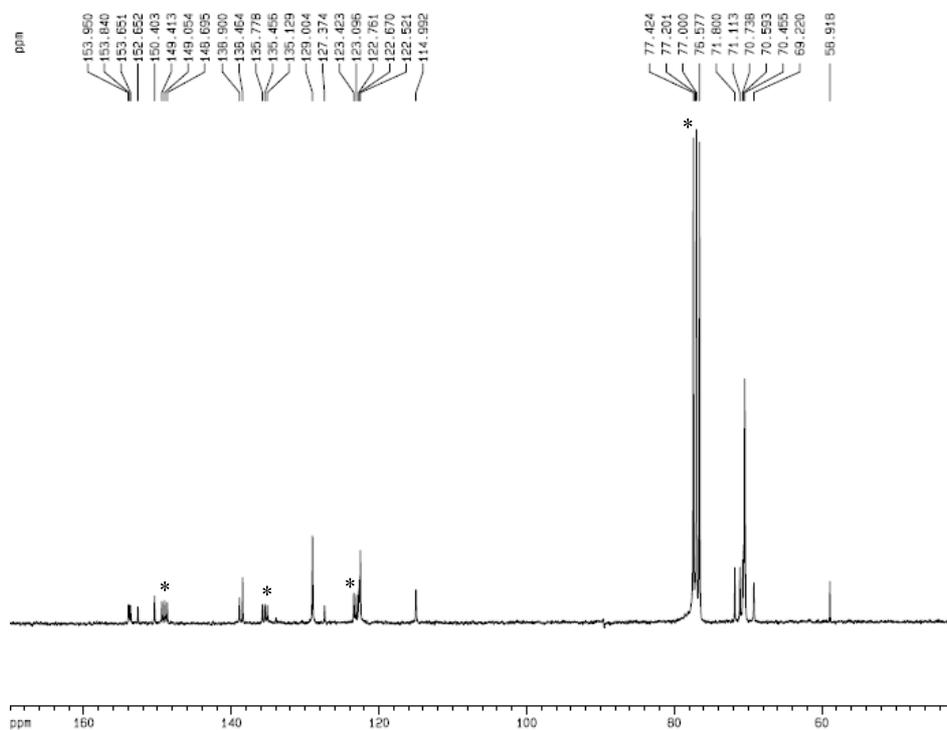
¹H NMR spectrum of **5d** in CDCl₃ with a trace amount of pyridine-d₅.



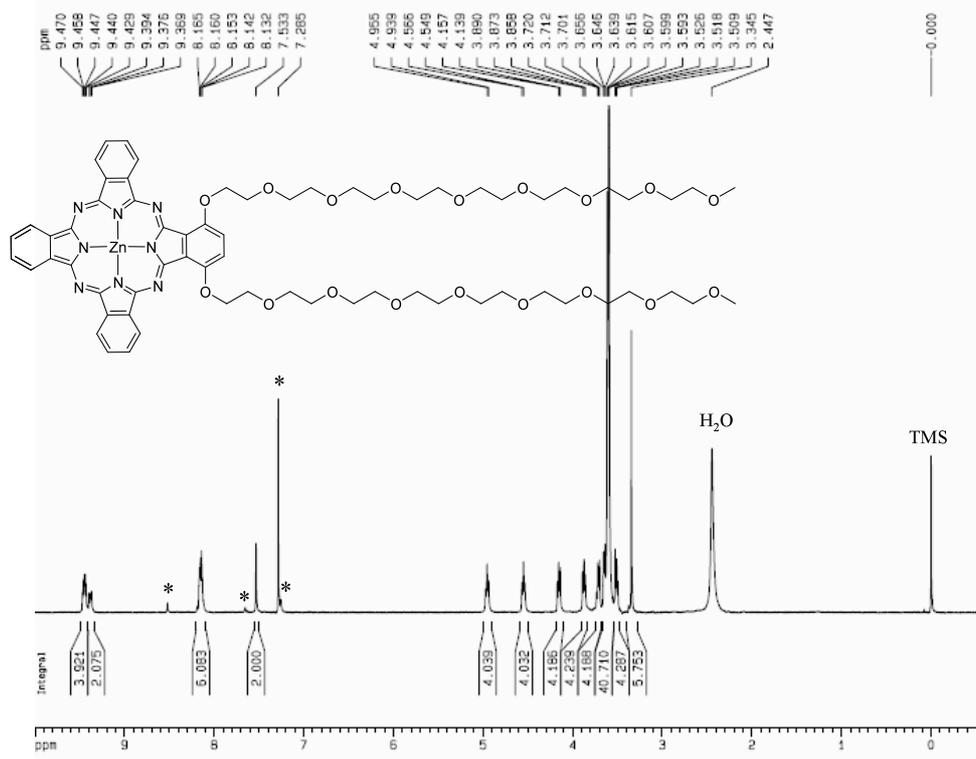
¹³C{¹H} NMR spectrum of **5d** in CDCl₃.



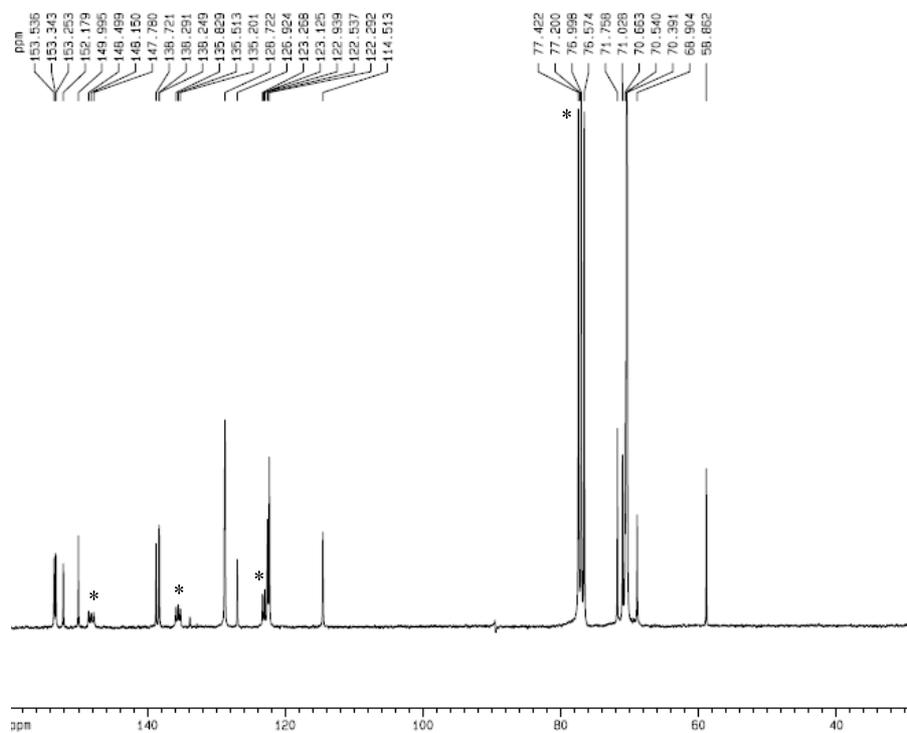
¹H NMR spectrum of **5e** in CDCl₃ with a trace amount of pyridine-d₅.



¹³C{¹H} NMR spectrum of **5e** in CDCl₃ with a trace amount of pyridine-d₅.



¹H NMR spectrum of **5f** in CDCl₃ with a trace amount of pyridine-d₅.



¹³C{¹H} NMR spectrum of **5f** in CDCl₃ with a trace amount of pyridine-d₅.