**Supporting Information**

Glycosylated Zinc(II) Phthalocyanines as Efficient Photosensitizers for Photodynamic Therapy. Synthesis, Photophysical Properties and *in vitro* Photodynamic Activity

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**Fig. S1** $^1$H-$^1$H COSY spectrum of ZnPc($\beta$-PGlu) (18).

**Fig. S2** HMQC with BIRD spectrum of ZnPc($\beta$-PGlu) (18).

**Fig. S3** UV-Vis spectra of H$_2$Pc($\alpha$-PGlu)$_4$ (6), ZnPc($\alpha$-PGlu)$_4$ (8) and ZnPc($\beta$-PGlu)$_4$ (13).
Fig. S1 $^1$H-$^1$H COSY spectrum of ZnPc(β-PGlu) (18) in CDCl$_3$ with a trace amount of pyridine-d$_5$ (ca. 1% v/v); * indicates residual CDCl$_3$ signal.
**Fig. S2** HMQC with BIRD spectrum of ZnPc(β-PGlu) (18) in CDCl₃ with a trace amount of pyridine-d₅ (ca. 1% v/v); * indicates signals arising from the solvents.
**Fig. S3** UV-Vis spectra of H$_2$Pc(α-PGlu)$_4$ (6), ZnPc(α-PGlu)$_4$ (8) and ZnPc(β-PGlu)$_4$ (13) in chloroform.