Supplementary data: figure captions

**Fig. S1.** PDT-induced cell death is inhibited by FB and zVAD in SCC22A cells. FB and zVAD (10 µM each) were added 1 h prior to PDT (100 nM or 250 nM Pc4 + 200 mJ cm\(^{-2}\)). Colonies were stained with crystal violet (0.1%) and counted 21 days after treatments. The data are shown as the average ± SEM (n = 3 samples). Differences were significant between untreated control and treatments (#) or between PDT and PDT + inhibitor (*). Untreated controls had 0% loss of clonogenicity.

**Fig. S2.** PDT-induced mitochondrial ceramide accumulation is inhibited by FB. SCC17B cells were treated with FB (10 µM) 1 h prior to PDT (20 nM Pc4 + 200 mJ cm\(^{-2}\); LD20), incubated for 10 h and immunostained with anti-TOM20 (1:100, Abcam, Cambridge, MA, USA) and anti-ceramide antibodies. Nuclei were visualized with DAPI. All images were acquired by confocal microscopy with identical settings. Con, untreated control.

**Fig. S3.** PDT-induced caspase-3 (casp3) activation is dose- and time-dependent. SCC17B cells were treated with PDT (250 and 500 nM Pc4 + 200 mJ cm\(^{-2}\); LD43 and LD87, respectively), incubated for indicated periods of time, collected and processed for DEVDase assay as described in.\(^1\) The data are shown as the average ± SEM (n = 3-9 samples). Differences were significant between untreated control and treatments (#) or between PDT doses (*). Con, untreated control.

**Fig. S4.** PDT-induced casp3 activation is inhibited by FB. FB was used at a non-toxic dose (10 µM) and was added 1 h prior to PDT (250 nM Pc4 + 200 mJ cm\(^{-2}\); LD43). Twenty four hours after treatments, SCC17B cells were collected and processed for DEVDase assay. The data are shown as the average ± SEM (n = 3-9 samples). Differences were significant between untreated control and treatments (#) or between PDT and PDT + FB (*). Con, untreated control.
Reference:

Fig. S1. PDT-induced cell death is inhibited by FB and zVAD in SCC22A cells.
Fig. S2. PDT-induced mitochondrial ceramide accumulation is inhibited by FB
Fig. S3. PDT-induced casp3 activation is dose- and time-dependent
Fig. S4. PDT-induced casp3 activation is inhibited by FB