

Supporting Information

Multifunctional Trastuzumab-Chlorin e6 Conjugate for Treatment of HER2-Positive Human Breast Cancer

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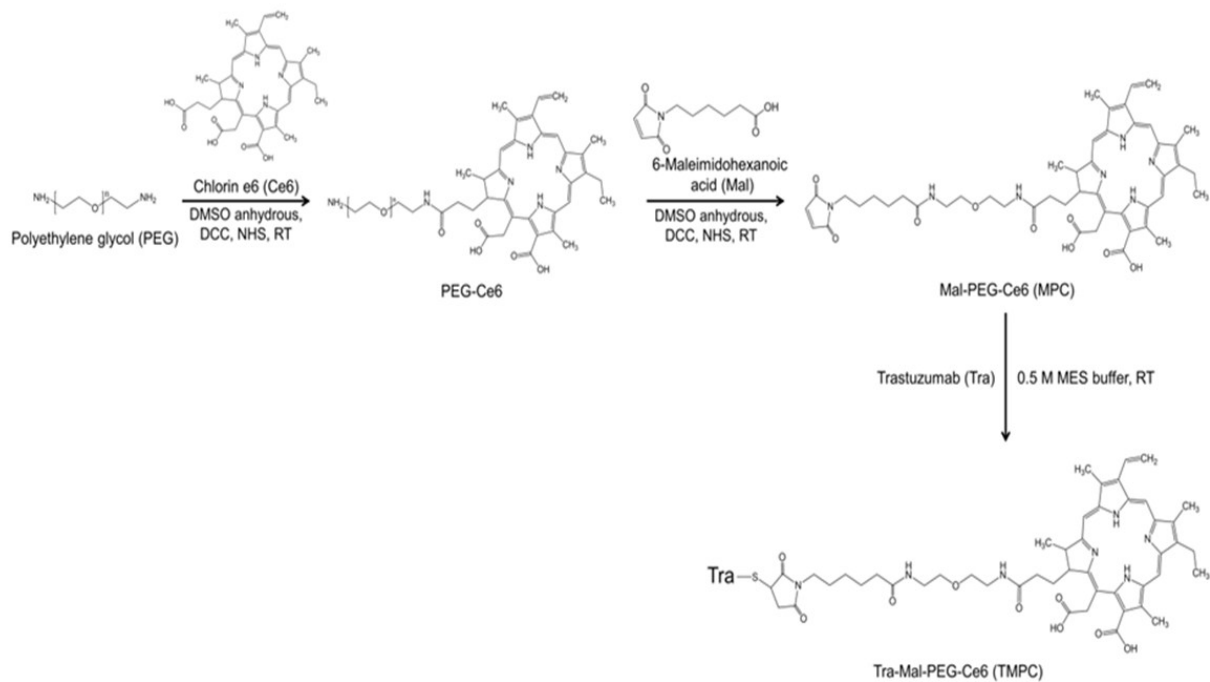


Figure S1. Synthetic scheme of TMPC.

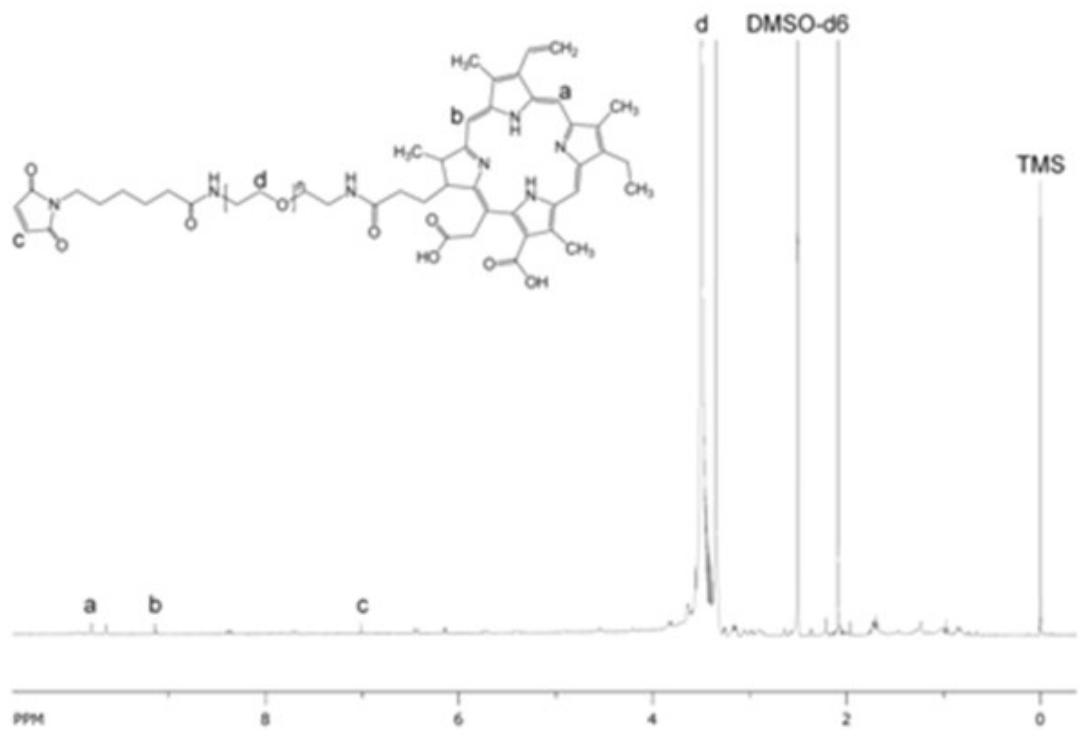


Figure S2. ¹H-NMR spectrum of MPC.

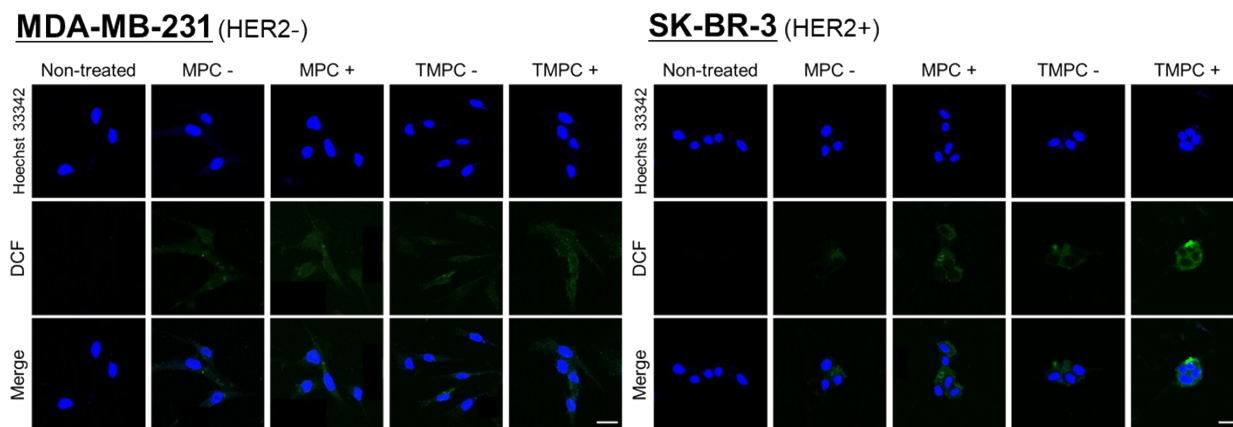


Figure S3. *In vitro* reactive oxygen species (ROS) generation efficacy using DCF-DA staining in MDA-MB-231 and SK-BR-3 cells incubated with MPC, TMPC upon laser irradiation for 40 sec. The irradiation power of the 671 nm light was 50 mW/cm². The scale bar is 20 μ m.

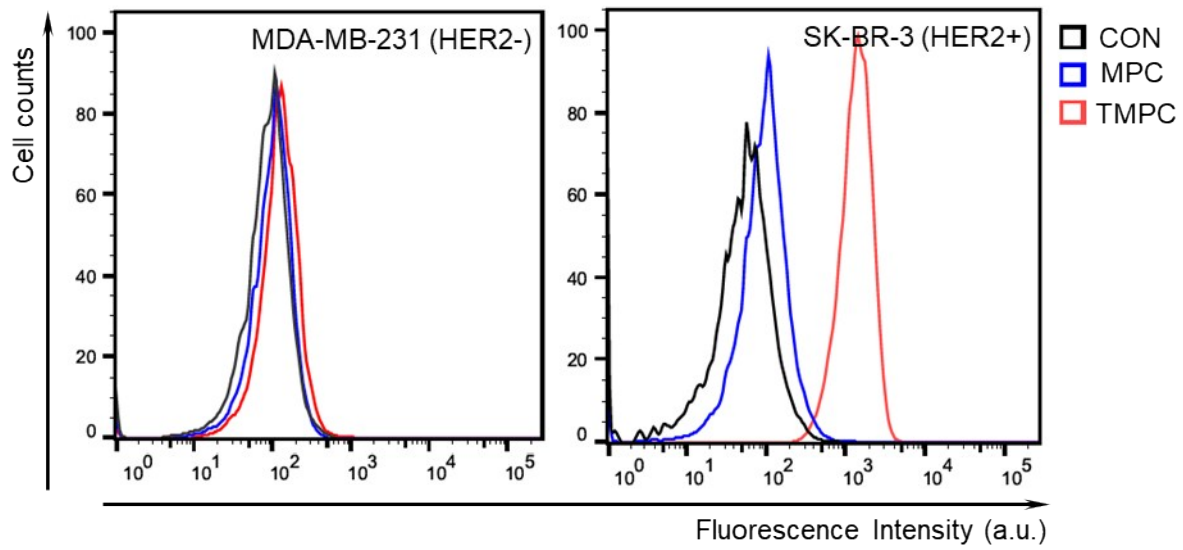


Figure S4. Flow cytometry quantification of MDA-MB231 (left) and SK-BR-3 (right) cells treated with MPC or TMPC for 1 h.

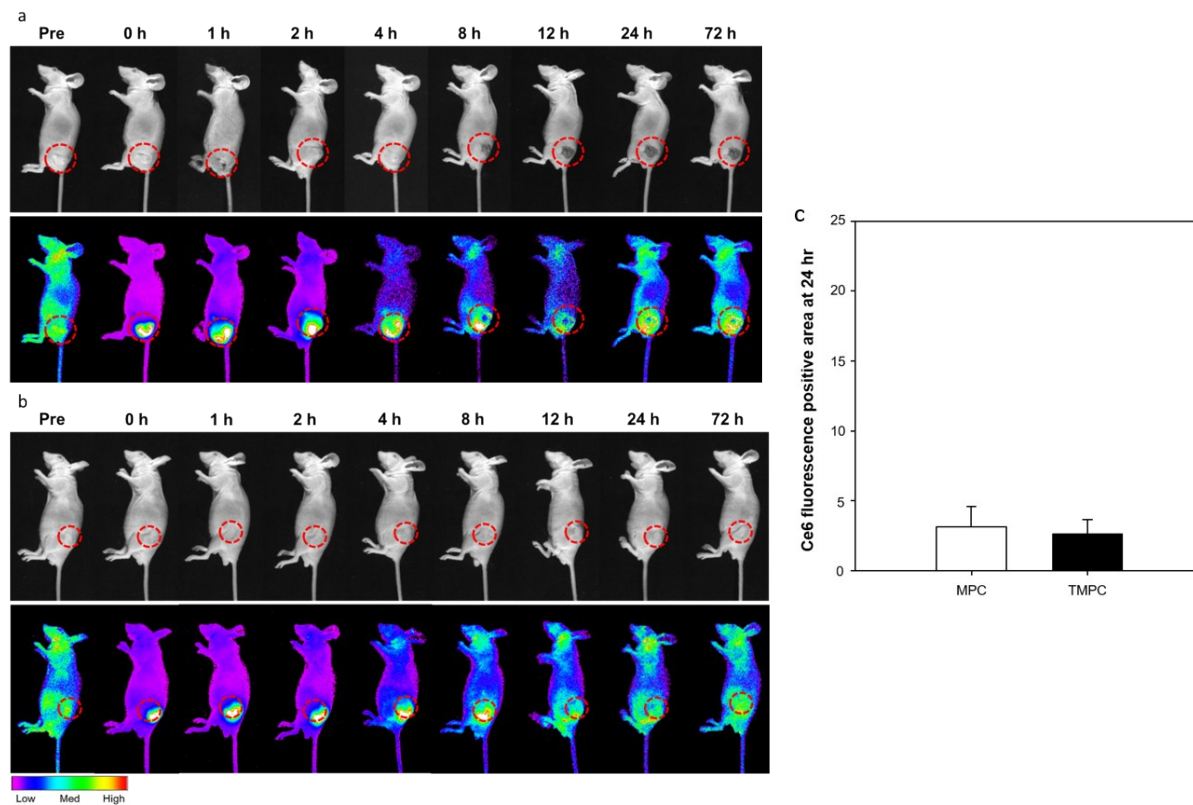


Figure S5. *In vivo* fluorescence images of MDA-MB-231 tumor-bearing mice after a) MPC and b) TMPC intratumoral injection with 50 J/cm² of laser irradiation. Red circle represents tumor area. c) Quantification of Ce6 fluorescence in tumor areas (n=3, mean ± SD).