

Supporting Information for

New Journal of Chemistry

Facile synthesis of highly water-soluble graphene conjugated chlorophyll-a photosensitizer composite for improved photodynamic therapy in vitro

Hongyue Zhang,^a Jianjun Cheng,^a Wenting Li,^a Guanghui Tan,^{*a,b} Zhiqiang Wang^{*a} and Yingxue Jin^{*a}

a. Key Laboratory of Photochemistry biomaterials and Energy storage materials of Heilongjiang Province, College of Chemistry & Chemical Engineering Harbin Normal University, Harbin, 150025, China. E-mail: jyxprof@163.com, wzq70402@163.com; Tel: +86-0451-88060569

b. Key Laboratory of Molecular Cytogenetics and Genetic Breeding of Heilongjiang Province, Harbin, 150025, China. E-mail: yenghak@hrbnu.edu.cn

Results and discussion

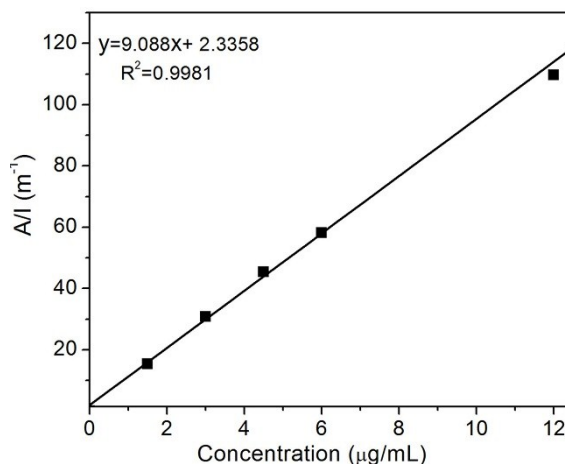


Fig. S1 Absorbance of free BPMppa at Qy band per cell length as a function of various concentrations, and corresponding molar extinction coefficient was normalized by linear regression.

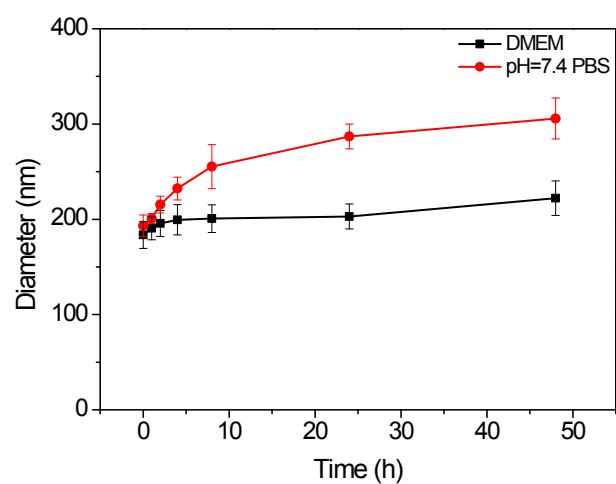


Fig. S2 The mean diameter changes of G-BPMppa in PBS (pH 7.4), and DMEM (containing 10% FBS) over the time. Each experiment was paralleled three times.