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Mitochondrial Specific Photodynamic Therapy by Rare-earth Nanoparticles Mediated Near-infrared Graphene Quantum Dots

Dandan Zhang, Liewei Wen, Ru Huang, Huanhuan Wang, Xianglong Hu, Da Xing**

MOE Key Laboratory of Laser Life Science and Institute of Laser Life Science, College of Biophotonics, South China Normal University, Guangzhou 510631, P. R. China

* Corresponding author.

E-mail address: xlhu@scnu.edu.cn (X. Hu), xingda@scnu.edu.cn (D. Xing)

Fax: +86-20-85211436

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Abstract

Photodynamic therapy (PDT) has been proposed in cancer treatment for decades, but its clinical translation is significantly impeded by the low yield of ROS, poor tissue penetration depth of most current photosensitizers, and short lifetime of ROS. These limitations directly affect the therapeutic effect of PDT in cancer therapy. Here we proposed a new strategy by

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