

## Accepted Manuscript

Title: Iodinated zinc phthalocyanine – The novel visible-light activated photosensitizer for efficient generation of singlet oxygen

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**For the attention of:**

**Mir Wais Hosseini,  
Editor of New Journal of Chemistry,**

Please find enclosed the manuscript entitled **“Iodinated zinc phthalocyanine – the novel visible-light activated photosensitizer for efficient generation of singlet oxygen”** by Łapok et al., which is submitted to be considered for publication in your journal.

The manuscript describes the method of preparation of a novel photosensitizer from the class of phthalocyanines. The synthesis is accompanied by an in-depth photophysical characterization with special attention paid to the ability of this new phthalocyanine to generate singlet oxygen. Also, the possibility of excited triplet state formation of this new photosensitizer is investigated by both transient absorption spectroscopy and phosphorescence measurement.

We recently developed an interest in the synthesis of phthalocyanines as useful photosensitizers in photodynamic cancer therapy (PDT). There is a quest for new photosensitizers for PDT with improved properties compared to the photosensitizers that have currently been used in clinical practice.

We believe that this paper and the results presented within will be of interest to chemists who are involved in the synthesis of new photosensitizers and are interested in developing new therapies for cancer treatment.

Respectfully yours,

*Dr. Łukasz Łapok*

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