

Accepted Manuscript

Novel lysosome-targeted cyclometalated Iridium(III) anticancer complexes containing imine-N-heterocyclic carbene ligands: Synthesis, spectroscopic properties and biological activity

Yuliang Yang, Lihua Guo, Xingxing Ge, Zhenzhen Tian, Yuteng Gong, Hongmei Zheng, Qing Du, Xiaofeng Zheng, Zhe Liu

PII: S0143-7208(18)31567-5

DOI: [10.1016/j.dyepig.2018.09.044](https://doi.org/10.1016/j.dyepig.2018.09.044)

Reference: DYPI 7026

To appear in: *Dyes and Pigments*

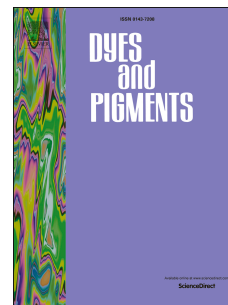
Received Date: 15 July 2018

Revised Date: 18 September 2018

Accepted Date: 19 September 2018

Please cite this article as: Yang Y, Guo L, Ge X, Tian Z, Gong Y, Zheng H, Du Q, Zheng X, Liu Z, Novel lysosome-targeted cyclometalated Iridium(III) anticancer complexes containing imine-N-heterocyclic carbene ligands: Synthesis, spectroscopic properties and biological activity, *Dyes and Pigments* (2018), doi: <https://doi.org/10.1016/j.dyepig.2018.09.044>.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Novel Lysosome-Targeted Cyclometalated Iridium(III) Anticancer Complexes Containing Imine-N-Heterocyclic Carbene Ligands: Synthesis, Spectroscopic Properties and Biological Activity

Yuliang Yang, Lihua Guo*, Xingxing Ge, Zhenzhen Tian, Yuteng Gong, Hongmei Zheng, Qing Du, Xiaofeng Zheng, Zhe Liu*

Institute of Anticancer Agents Development and Theranostic Application, The Key Laboratory of Life-Organic Analysis and Key Laboratory of Pharmaceutical Intermediates and Analysis of Natural Medicine, Department of Chemistry and Chemical Engineering, Qufu Normal University, Qufu 273165, China.

*Corresponding Author: *Email*: guolihua@qfnu.edu.cn (L. H. Guo); liuzheqd@163.com (Z. Liu).

†Electronic supplementary information (ESI) available: Details of the Experimental section, Figs. S1-S30, and Tables S1-S6. CIF and checkCIF files for **Ir1**. CCDC number of **Ir1** is 1848901. These data can be obtained free of charge from the Cambridge Crystallographic Data Centre via www.ccdc.cam.ac.uk/data_request/cif.

Download English Version:

<https://daneshyari.com/en/article/10225164>

Download Persian Version:

<https://daneshyari.com/article/10225164>

[Daneshyari.com](https://daneshyari.com)