Accepted Manuscript

Specific discrimination of gram-positive bacteria and direct visualization of its infection towards mammalian cells by a DPAN-based AlEgen

Rong Hu, Fan Zhou, Taotao Zhou, Jianlei Shen, Zhiming Wang, Zujin Zhao, Anjun Qin, Ben Zhong Tang

PII: S0142-9612(18)30656-2

DOI: 10.1016/j.biomaterials.2018.09.019

Reference: JBMT 18890

To appear in: Biomaterials

Received Date: 20 May 2018

Revised Date: 29 August 2018

Accepted Date: 11 September 2018

Please cite this article as: Hu R, Zhou F, Zhou T, Shen J, Wang Z, Zhao Z, Qin A, Tang BZ, Specific discrimination of gram-positive bacteria and direct visualization of its infection towards mammalian cells by a DPAN-based AlEgen, *Biomaterials* (2018), doi: https://doi.org/10.1016/j.biomaterials.2018.09.019.

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.



ACCEPTED MANUSCRIPT

Specific discrimination of gram-positive bacteria and direct visualization of its infection towards mammalian cells by a DPAN-based AIEgen

Rong $Hu^{a,\S}$, Fan Zhou^{a,\S}, Taotao Zhou^a, Jianlei Shen^a, Zhiming Wang*^{a,b}, Zujin Zhao^a, Anjun Qin*^a, and Ben Zhong Tang*^{a,b,c}

a: State Key Laboratory of Luminescent Materials and Devices, Center for Aggregation-induced emission, Guangzhou International Campus, South China University of Technology, Guangzhou 510640, China

b: HKUST-Shenzhen Research Institute, Shenzhen 518057, China.

c: Department of Chemistry, Hong Kong Branch of Chinese National Engineering Research Centre for Tissue Restoration and Reconstruction, Institute for Advanced Study, and Department of Chemical and Biological Engineering, The Hong Kong University of Science & Technology (HKUST), Clear Water Bay, Kowloon, Hong Kong, China.

* Corresponding author.

E-mail addresses: wangzhiming@scut.edu.cn (Z.M.W.), msqinaj@scut.edu.cn (A.J.Q.), tangbenz@ust.hk (B.Z.T.)

Keywords: aggregation-induced emission, gram-positive bacteria, specificity, discrimination, visualization

Download English Version:

https://daneshyari.com/en/article/11016692

Download Persian Version:

https://daneshyari.com/article/11016692

<u>Daneshyari.com</u>