## **Supporting Information**

## An excellently stable Tb<sup>III</sup>–organic framework with outstanding stability for rapid, reversible, and multiresponsive luminescent sensor in water

Feng Guo,<sup>[a]\*</sup> Changhua Su,<sup>[b]</sup> Yuhang Fan,<sup>[a]</sup> and Wenbing Shi<sup>[a]</sup>

<sup>a</sup> School of Chemistry and Chemical Engineering, Yangtze Normal University, Chongqing 408100, China.

<sup>a</sup> Chongqing Key Laboratory of Inorganic Special Functional Materials, College of Chemistry and Chemical Engineering, Yangtze Normal University, Fuling, Chongqing 408100, China. E-mail: guofeng1510@yeah.net.

<sup>b</sup> School of Materials Science and Engineering, Liaocheng University, Liaocheng, Shandong, 252059, China.

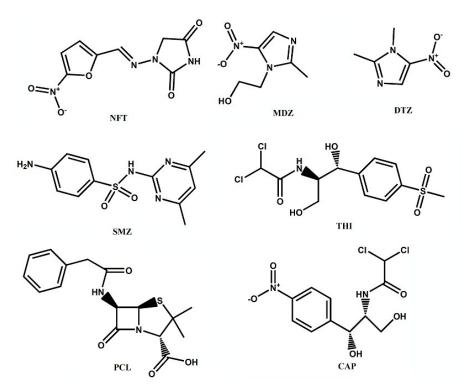


Figure S1. The structures of selected antibiotics.