

Accepted Manuscript

Title: A novel fluorescence turn-on probe based on diketopyrrolopyrrole-nitroolefin conjugate for highly selective detection of glutathione over cysteine and homocysteine

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PII: S0925-4005(17)30031-X
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2017.01.024>
Reference: SNB 21549

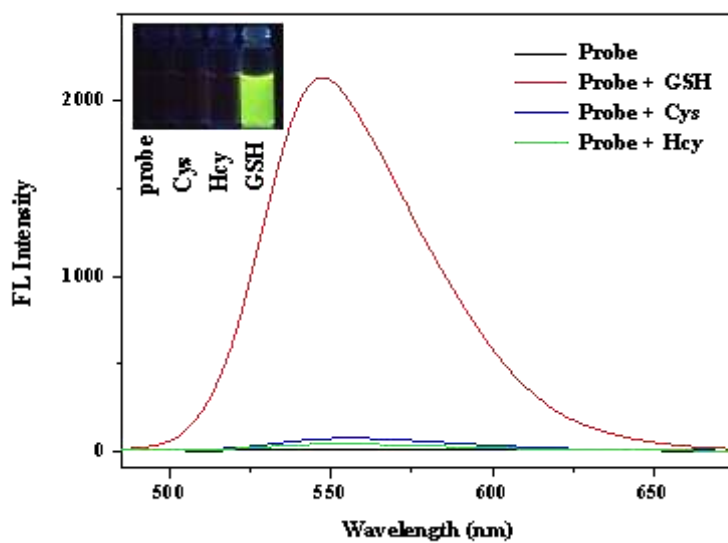
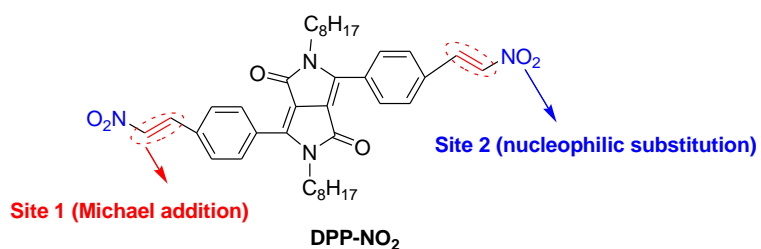
To appear in: *Sensors and Actuators B*

Received date: 26-10-2016
Revised date: 4-1-2017
Accepted date: 5-1-2017

Please cite this article as: Lingyun Wang, Xianggen Chen, Derong Cao, A novel fluorescence turn-on probe based on diketopyrrolopyrrole-nitroolefin conjugate for highly selective detection of glutathione over cysteine and homocysteine, *Sensors and Actuators B: Chemical* <http://dx.doi.org/10.1016/j.snb.2017.01.024>

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Graphic Abstract



A novel nitroolefin functionalized diketopyrrolopyrrole (**DPP-NO₂**) was designed and synthesized as a highly sensitive and selective probe for detecting glutathione (GSH) over cysteine (Cys), homocysteine (Hcy) and other amino acids in aqueous media.

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