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Authors: Jianjun Du, Quanyong Gu, Jingyao Chen, Jiangli Fan, Xiaojun Peng



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ACCEPTED MANUSCRIPT

A Novel Fluorescent Probe for the Ratiometric Recognition of Protein Based on Intramolecular Charge Transfer

Jianjun Du,^{*} Quanyong Gu, Jingyao Chen, Jiangli Fan and Xiaojun Peng

State Key Laboratory of Fine Chemicals, Dalian University of Technology, 2

Linggong Road, Dalian, 116024, P. R. China

E-mail: dujj@dlut.edu.cn

Highlights

- A ratiometric fluorescent probe, **MY**, is developed for the quantitative identification of protein.
- Ratiometric signal is obtained by balancing TICT and ICT process based on steric effect.
- The response of the probe MY to HSA exhibited a linear relationship (R²=0.997) over a range of 0.01-0.09 mg/mL with a detection limit as low as 8.8 μg/L.
- Rapid and ratiometric detection of serum albumin was achieved in practical serum samples.

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