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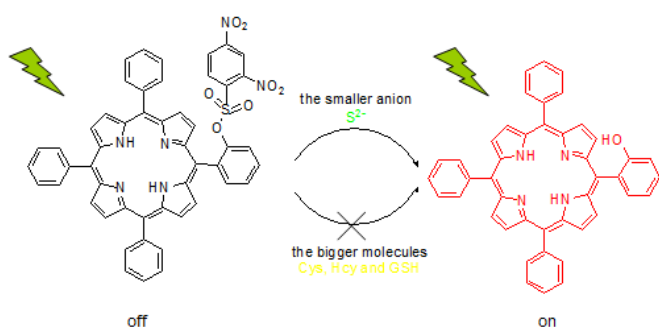
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A highly sensitive and selective fluorescent sensor for detection of sulfide anion based on the steric hindrance effect

Guanfan Chen^{1,2,3,*}, Mengzhuo Tang¹, Xiufang Fu¹, Fenmin Cheng^{1,2,3}, Xianghua Zou¹, Jingpei Wang¹, Rongjin Zeng^{1,2,3,*}

1. School of Chemistry and Chemical Engineering, Hunan University of Science and Technology, Xiangtan 411201, Hunan Province, China; 2. Key Laboratory of Theoretical Organic Chemistry and Function Molecule of Ministry of Education, Hunan University of Science and Technology, Xiangtan 411201, Hunan Province, China.;3. Hunan Provincial Univeristy Key Laboratory of QSAR/QSPR, Xiangtan 411201, Hunan Province, China



The fluorescent sensor with steric hindrance effect is highly sensitive and selective for detection of S²⁻, which has a strong anti-disturbance ability to mercapto amino-acids. It has the prospect of application in the exact detection of S²⁻ in complicated living organisms. This approach offers some useful insights for realizing sensitive and selective fluorescent turn-on sensing in the detection assays for other analytes.

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