

## Supporting Information

Sensing Mechanism of a New Fluorescent Probe for Hydrogen Sulfide: Photoinduced Electron Transfer and Invalidity of Excited-State Intramolecular Proton Transfer

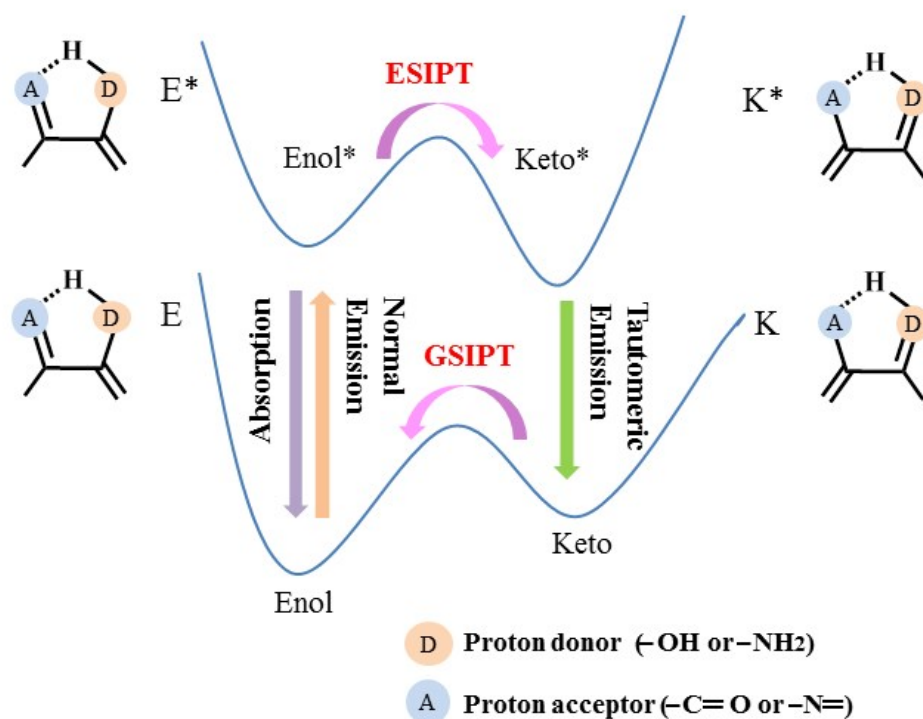


Figure S1. Diagram of the general ES IPT, a proton donor (-OH, -NH<sub>2</sub>), proton acceptor (-C=O, -N=) are circled with blue and red, respectively.

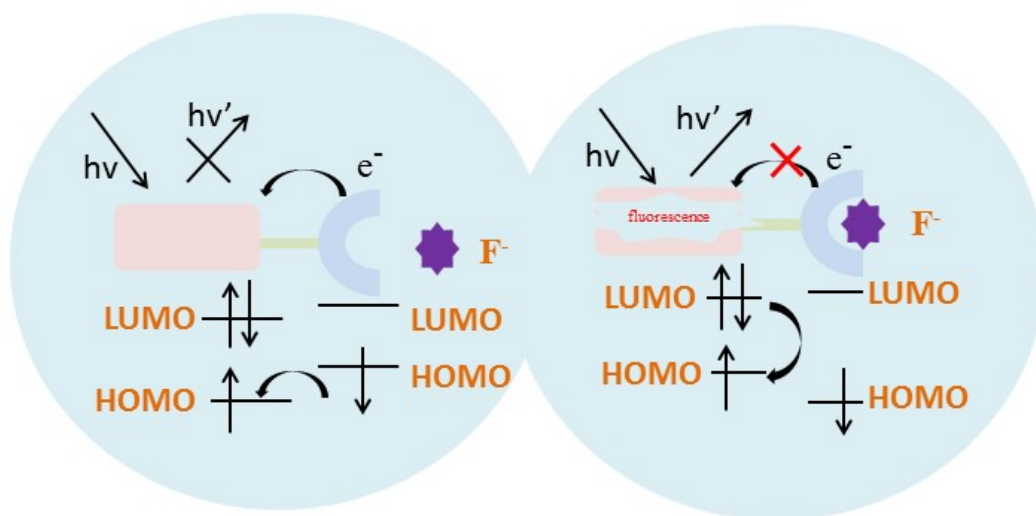


Figure S2. The Schematic of PET mechanisms. F<sup>-</sup> (fluorescent fluoride).