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Title: A new “donor-two-acceptor” red emission fluorescent probe for highly selective and sensitive detection of cyanide in living cells

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Highlights

1. The probe as “donor-two-acceptor” probe displayed excellent biocompatibility with red fluorescent emission.
2. The probe showed a high sensitivity for cyanide as very low detection limit 0.021 μM .
3. The probe can be applied both in bioimaging.

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