

Electronic Supplementary Information

A water-soluble tetraphenylethene based probe for luminescent carbon dioxide detection and its biological application

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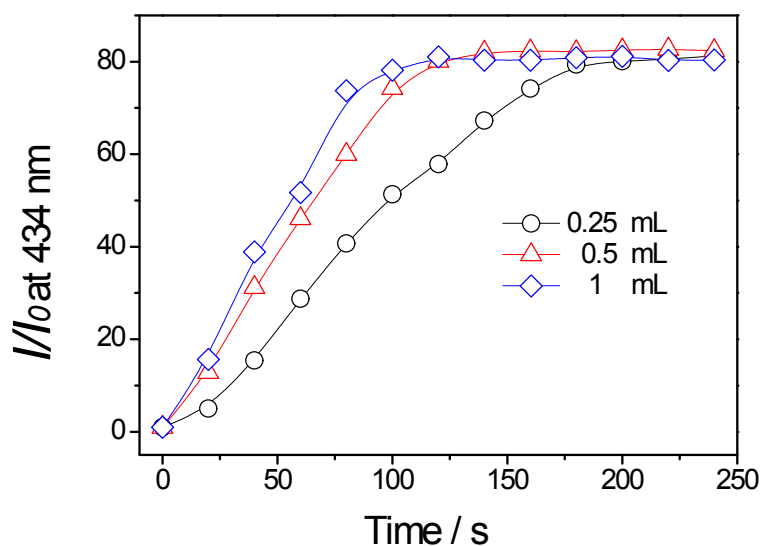


Fig. S1 Time-dependent fluorescence spectra of TPE-ONa in aqueous solution with different amounts of CO_2 gas (0.25, 0.5, 1.0 mL).

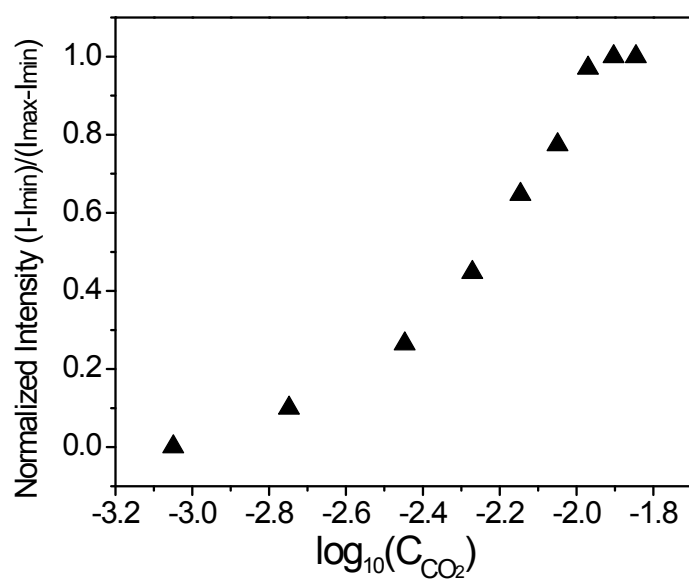


Fig. S2 Changes in the fluorescence intensity of a solution of TPE-ONa in aqueous solution (50 μM) with various quantities of CO_2 gas.

I_{\min} represents the fluorescence intensity (at 434 nm) of TPE-ONa

I_{\max} represents the fluorescence intensity (at 434 nm) of TPE-ONa by bubbling with 0.32 mL CO_2 gas.