SUPPORTING INFORMATION

Development of a new evaluation method and application of a novel

fluorescent nanosensor based on molecularly imprinted polymer for the

rapid fluorescence detection of Procymidone

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Fig S1. FT-IR spectra of SiO₂ (a), SiO₂-APTES-FITC (b) and @MIH-prm (c)

Fig S2. Fluorescence intensity curves of @MIH-prm for different concentration of @MIH-prm (0.0166 mg/ml (a), 0.033 mg/ml (b), 0.05 mg/ml (c), 0.066 mg/ml (d), 0.083 mg/ml (e) and 0.10 mg/ml (f)). The relationship between the percentage of quenching degree (g)



Fig S3. The fluorescence intensity curves of @MIH-prm/@NIHs (the fluorescence response of @MIH-prm (a), @MIH-prm control group (b), @NIHs (c) and @NIHs control group (d)





Fig S4. @MIH-prm (a) in PRM solution (800 nM in water/solution) for 30 min. For the kinetics test, several PRM groups were mixed with @MISF-PRM in a colorimetric tube, and the fluorescence intensity was recorded at different time intervals.

