Electronic Supplementary Information

Direct fluorescent quantification of sulfadiazine from quenching of novel functional monomer based molecularly imprinted polymer

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1. Synthesis of AOMC

\textsuperscript{13}C and MS spectra were shown in Fig. S1.

Fig. S1 MS and \textsuperscript{13}C spectra of AOMC
$^{13}$C NMR spectra (75 MHz) was recorded at room temperature in CDCl$_3$ on BRUKER DPX (Karlsruhe, Germany). $^{13}$C NMR (75 MHz, CDCl$_3$) $\delta$ 163.60 (s), 160.26 (s), 154.04 (s), 152.82 (s), 151.67 (s), 133.39 (s), 127.16 (s), 125.19 (s), 117.77 (d), 114.39 (s), 110.26 (s), 117.25 (s), 77.25 (s), 76.83 (s), 76.40 (s), 18.51 (s).

MS spectra were recorded using a JEOL JMS-700 mass spectrometer.

2. Characteration of MIPs

![Fluorescence shelf-life of AMOC](image1)

Fig. S2 Fluorescence shelf-life of AMOC.

![Dynamic adsorption curves of the MIPs and NIPs for SDz](image2)

Fig. S3 Dynamic adsorption curves of the MIPs and NIPs for SDz.