

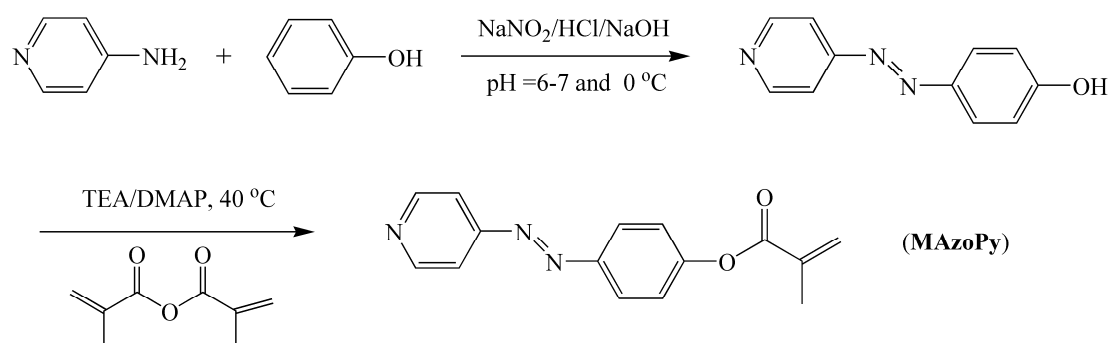
Supporting Information

**Azobenzene-containing molecularly imprinted polymer microspheres
with photoresponsive template binding properties**

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Scheme S1 Synthetic route for the azo functional monomer MAzoPy.

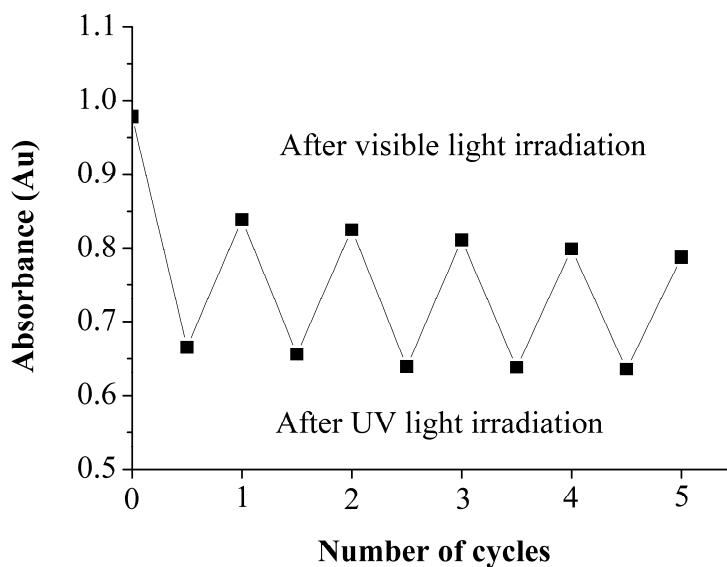


Fig. S1 The absorbance change for the *trans*-isomer during UV and visible light-induced photoisomerization cycles of MAzoPy solution in acetonitrile ($C = 0.05$ mM) at 25 °C. In each cycle, the azo monomer solution was irradiated firstly with UV light for 210 s and then with visible light for 50 s, respectively.

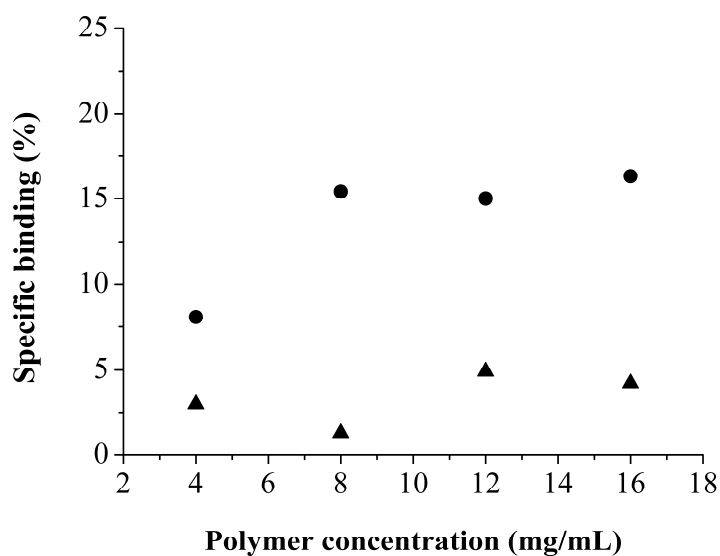


Fig. S2 Equilibrium specific bindings of 2,4-D ($C = 0.05$ mM) on different amounts of azo-containing MIP microspheres in the dark (circle) and under UV light irradiation (triangle), respectively.