

New potentiometric sensor based on molecular imprinted polymers for cocaine detection

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Supplementary Information section contains the SPR sensorgrams demonstrating the binding between template benzoylecgonine and nanoMIPs made in water and in organics (Fig. 1S, a-d), between cocaine and nanoMIPs made in water (Fig. 2S) and between cocaine analogues and nanoMIPs (Fig. 3S, a-c).

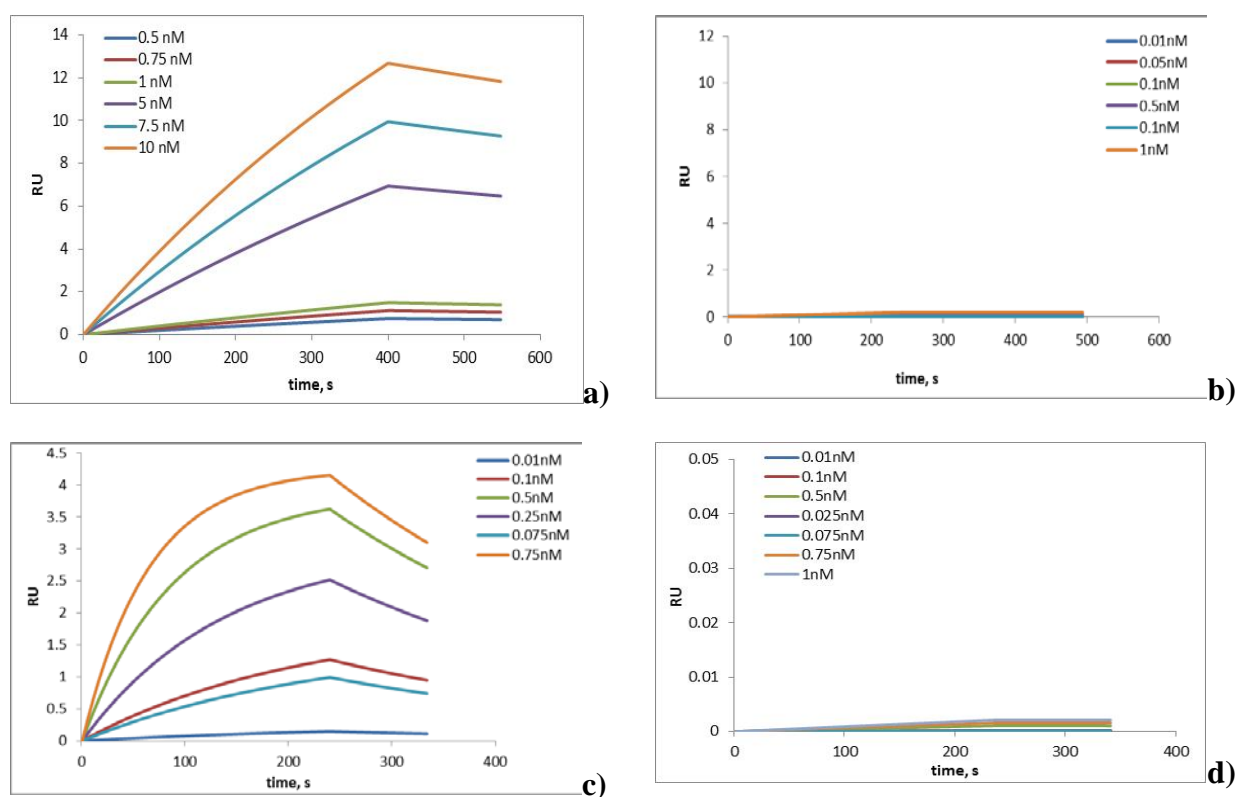


Fig. 1S. The sensorgrams of the binding between benzoylecgonine and nanoMIPs (a, c) and benzoylecgonine and nanoNIPs (b, d) for the nanoparticles made in water (a, b) and in DMF (c, d).

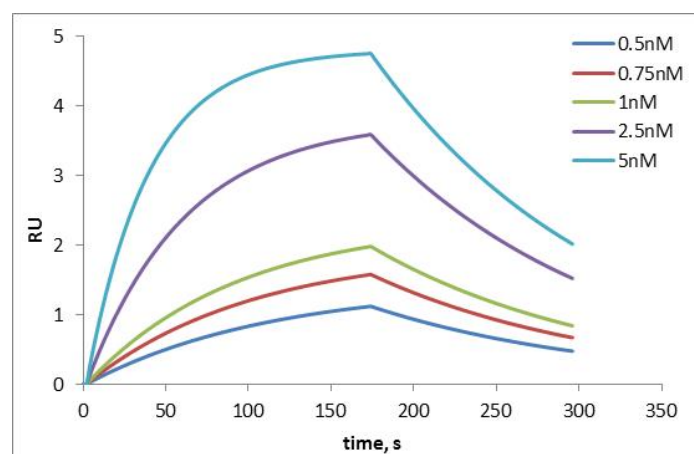
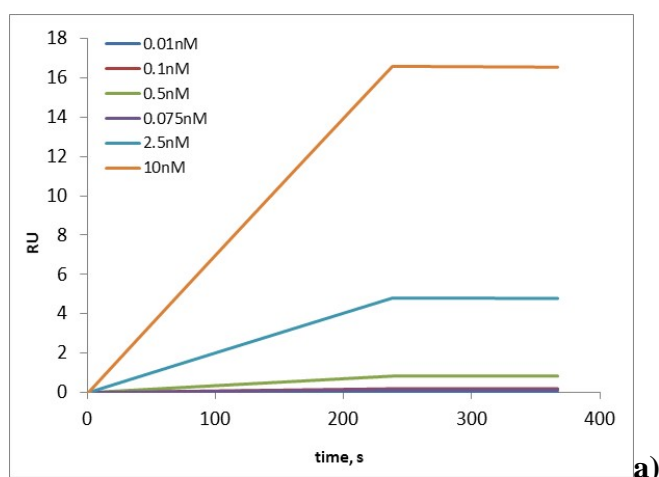
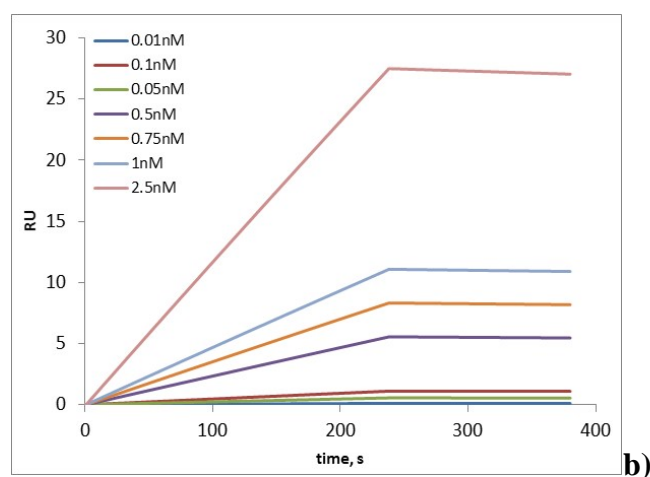


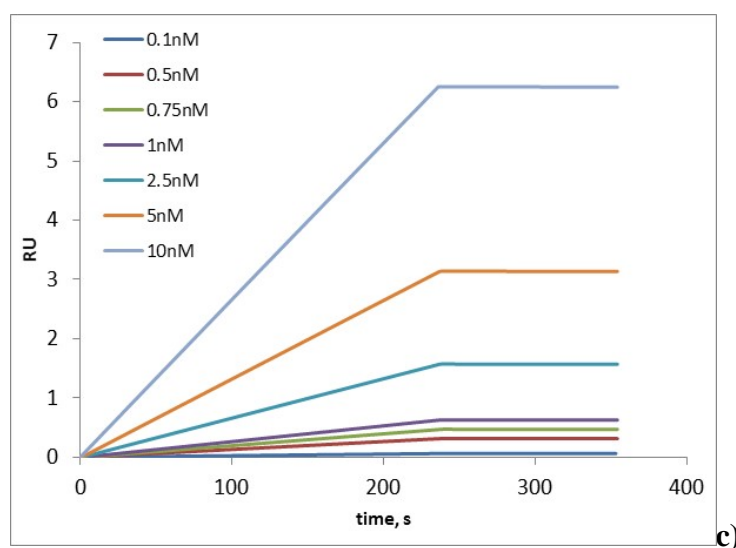
Fig. 2S. The sensorgram of the binding between cocaine and nanoMIPs made in water.



a)



b)



c)

Fig. 3S. The sensorgrams of the binding between nanoMIPs and cocaine analogues norcocaine (a), cocaethylene (b) and anhydroecgonine methyl ester (c).