

Supplementary materials

Rational design of a chitosan-coated cobalt ferrite nanozyme coupled with molecularly imprinted polymer for trace analysis of Buspirone in complex matrices: application to spiked human plasma and environmental water samples

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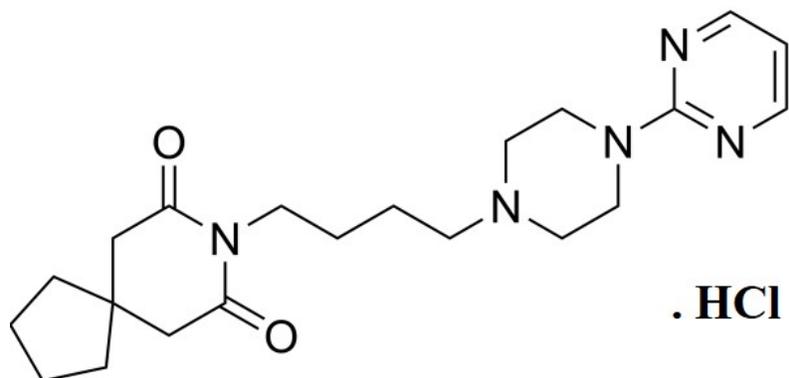
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Figure captions



M.wt= 421.97 g/mol

Fig. S1: Chemical structure of BUS.

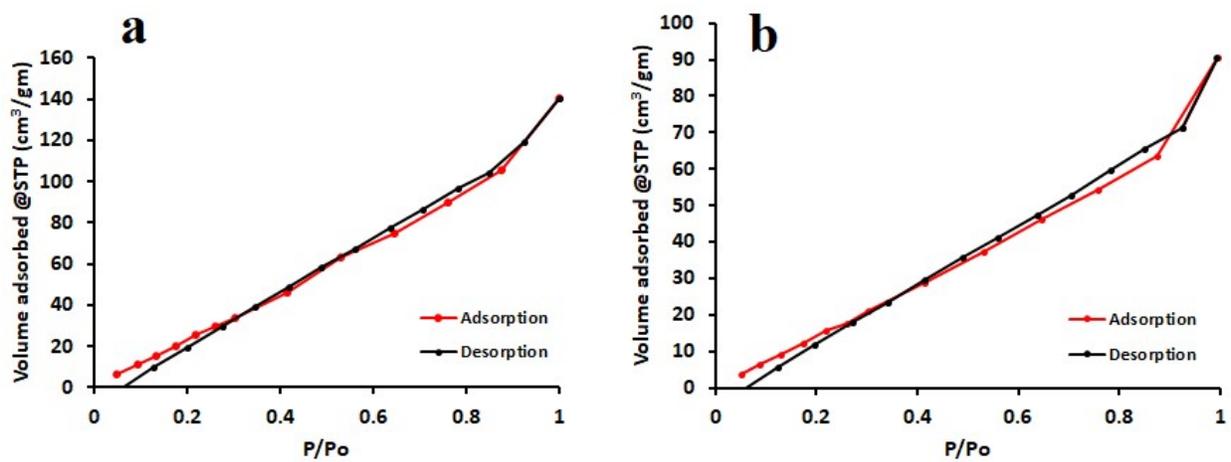


Fig. S2: The obtained nitrogen adsorption/desorption isotherms for (a) the proposed MIP of BUS and (b) its corresponding NIP.

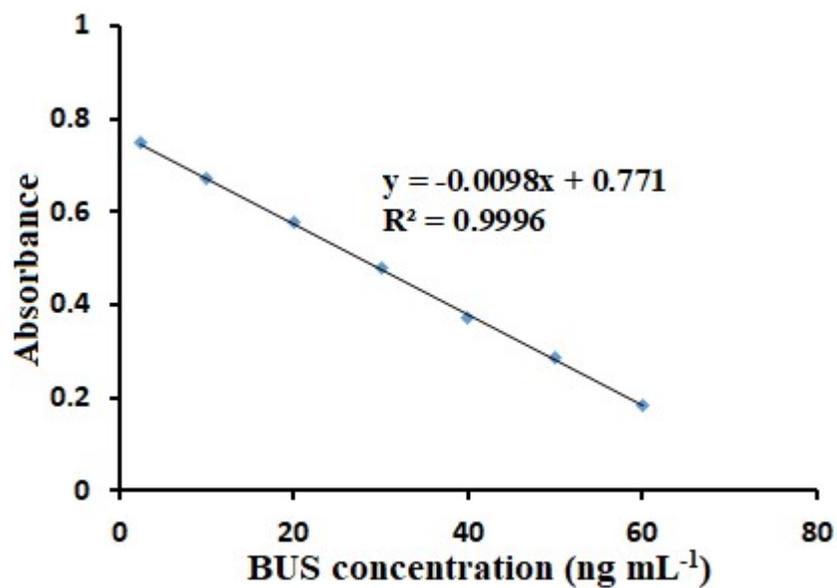


Fig. S3: Linear relationship between BUS concentration and OPD absorbance.

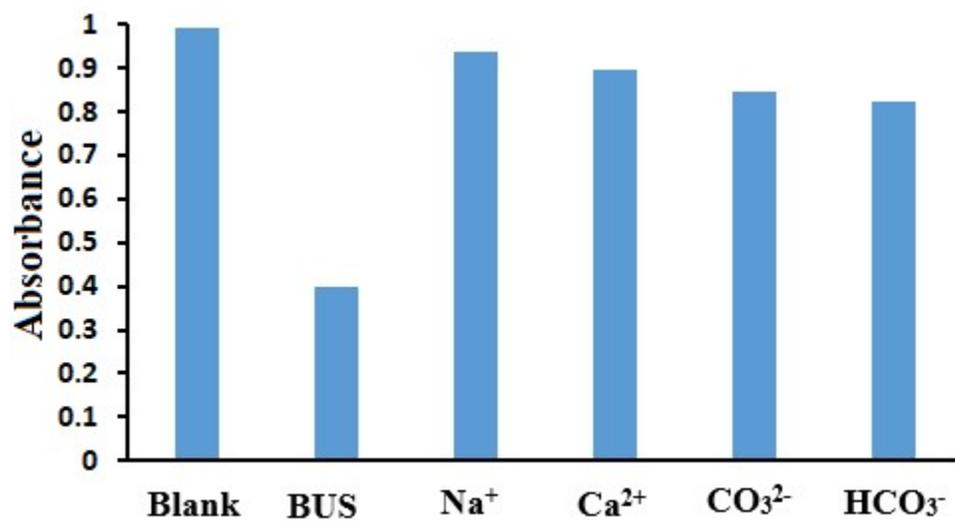


Fig. S4: Colorimetric responses of BUS and other species towards BUS nanozyme.

Tables

Table S1: BET and BJH analysis for the proposed MIP of BUS and its corresponding NIP.

Polymer	BUS-MIP	NIP
Specific surface area (m² /g)	174.165	110.891
Pore Volume (cm³/g)	0.198	0.124
Average pore diameter (nm)	1.924	1.919