

**A novel molecularly imprinted polymer on CdSe/ZnS
quantum dots for highly selective optosensing of mycotoxin
Zearalenone in cereal samples**

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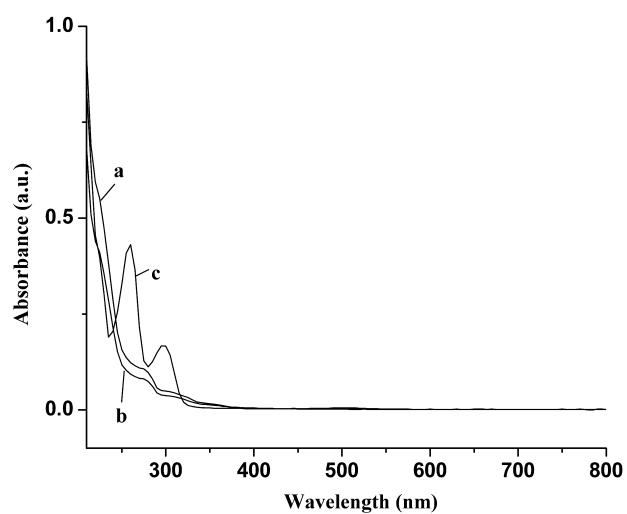


Fig.S1 UV-vis spectra of the extracts from Soxhlet Extraction of MIOM (a) and NIOM (b), and UV-vis spectra of CDHB (c).

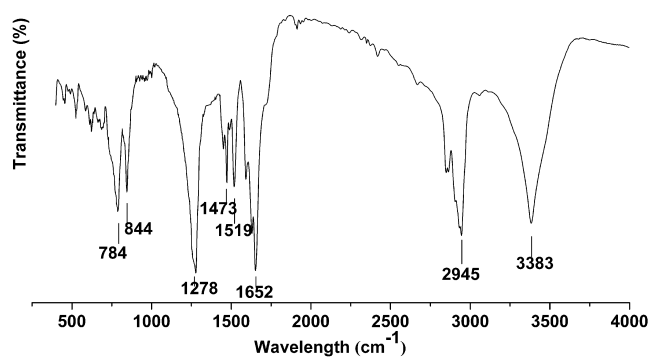


Fig. S2. FT-IR spectra of CDHB

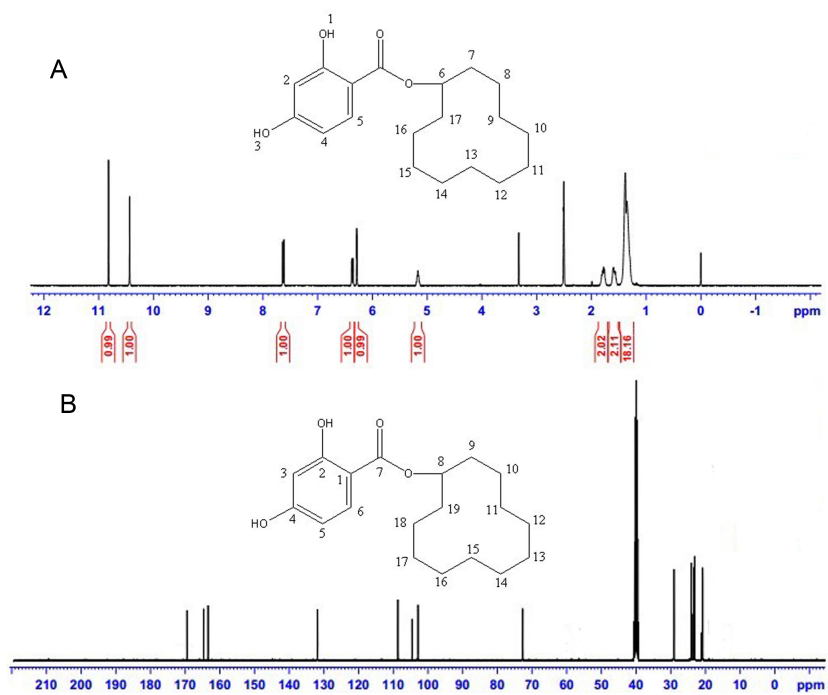


Fig. S3. ¹H NMR spectra (A) and ¹³C NMR spectra (B) of CDHB

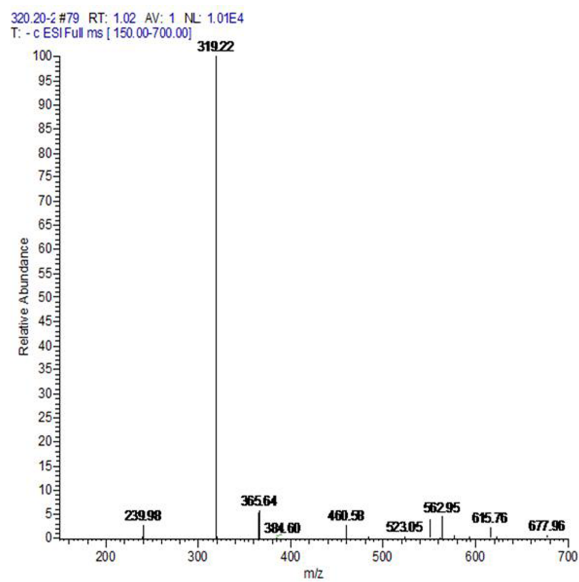


Fig. S4. Negative ion mass spectra of CDHB

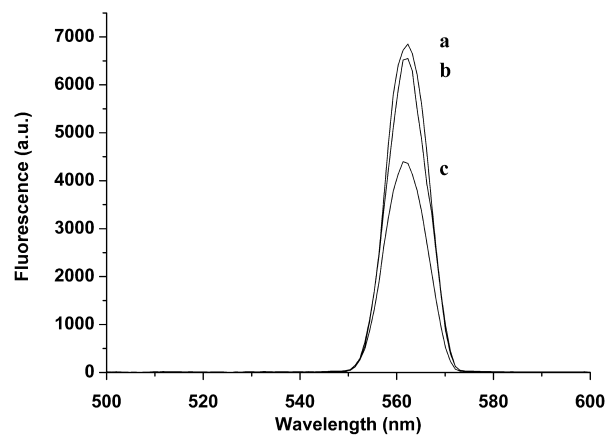


Fig. S5. Fluorescence emission spectra of NIOM (a), MIOM before (c) and after (b) template extraction

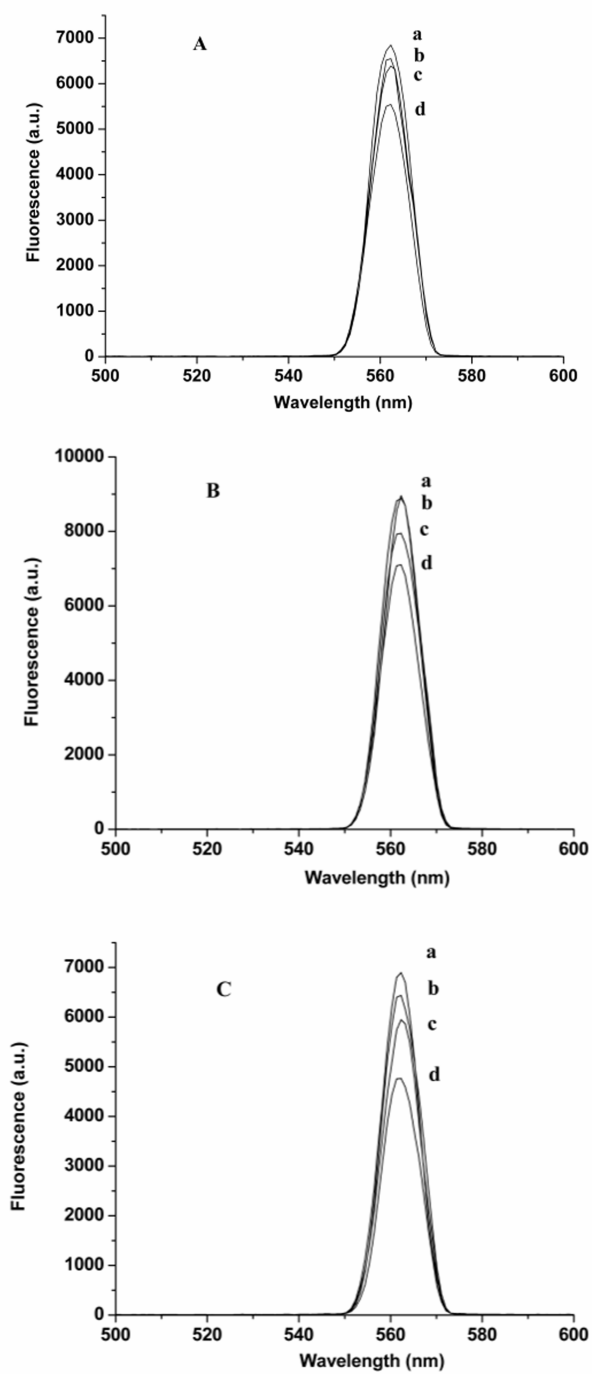


Fig. S6. Fluorescence emission spectra of MIOM (b), NIOM (a), MIOM with addition of $1.56 \mu\text{mol L}^{-1}$ CDHB (d) and NIOM with addition of $1.56 \mu\text{mol L}^{-1}$ CDHB (c) in acetonitrile(A), methanol (B) and ethanol (C), separately.