

Zinc(II) complexes with the quinolone antibacterial drug flumequine: Structure, DNA- and albumin- binding

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Supplementary material

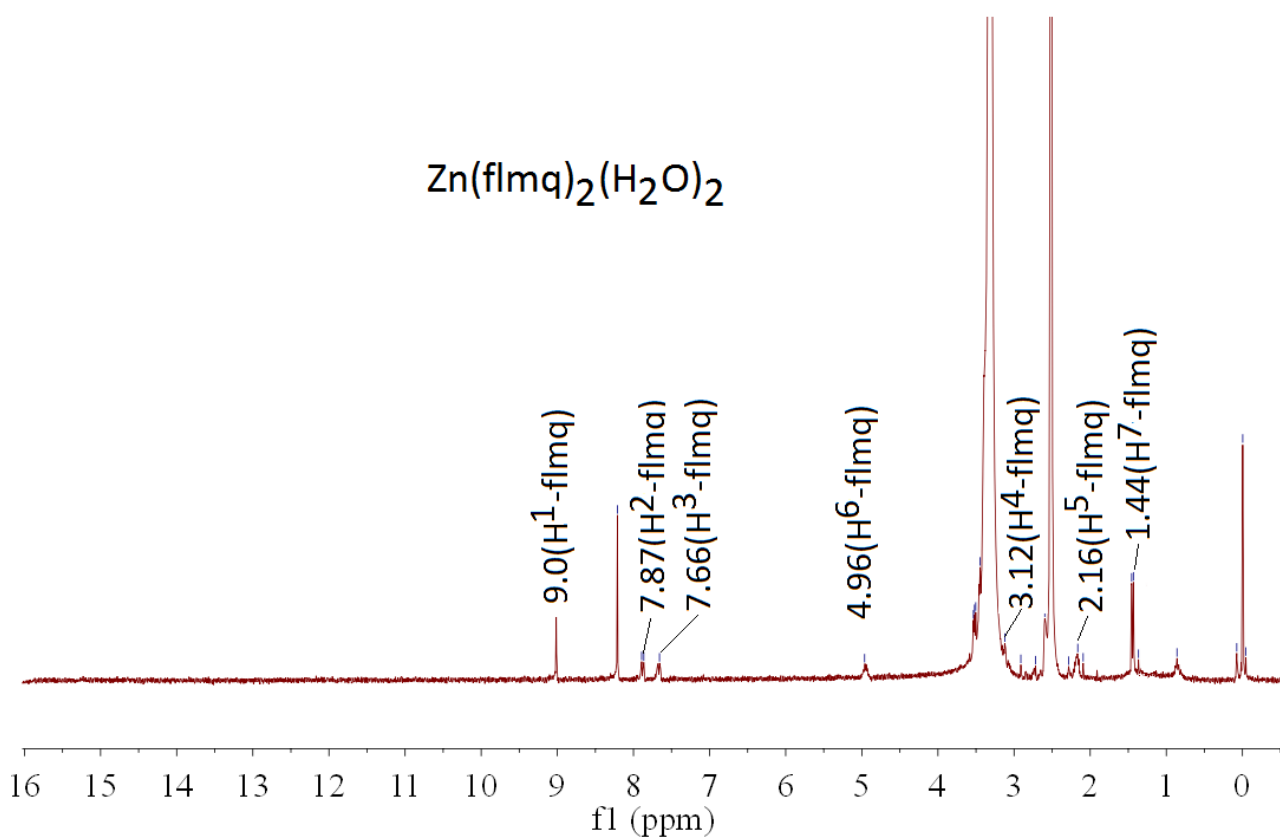


Figure S1. ¹H-NMR spectrum of [Zn(flmq)₂(H₂O)₂], **1**, in d₆-DMSO/CDCl₃ (5:1) solution.

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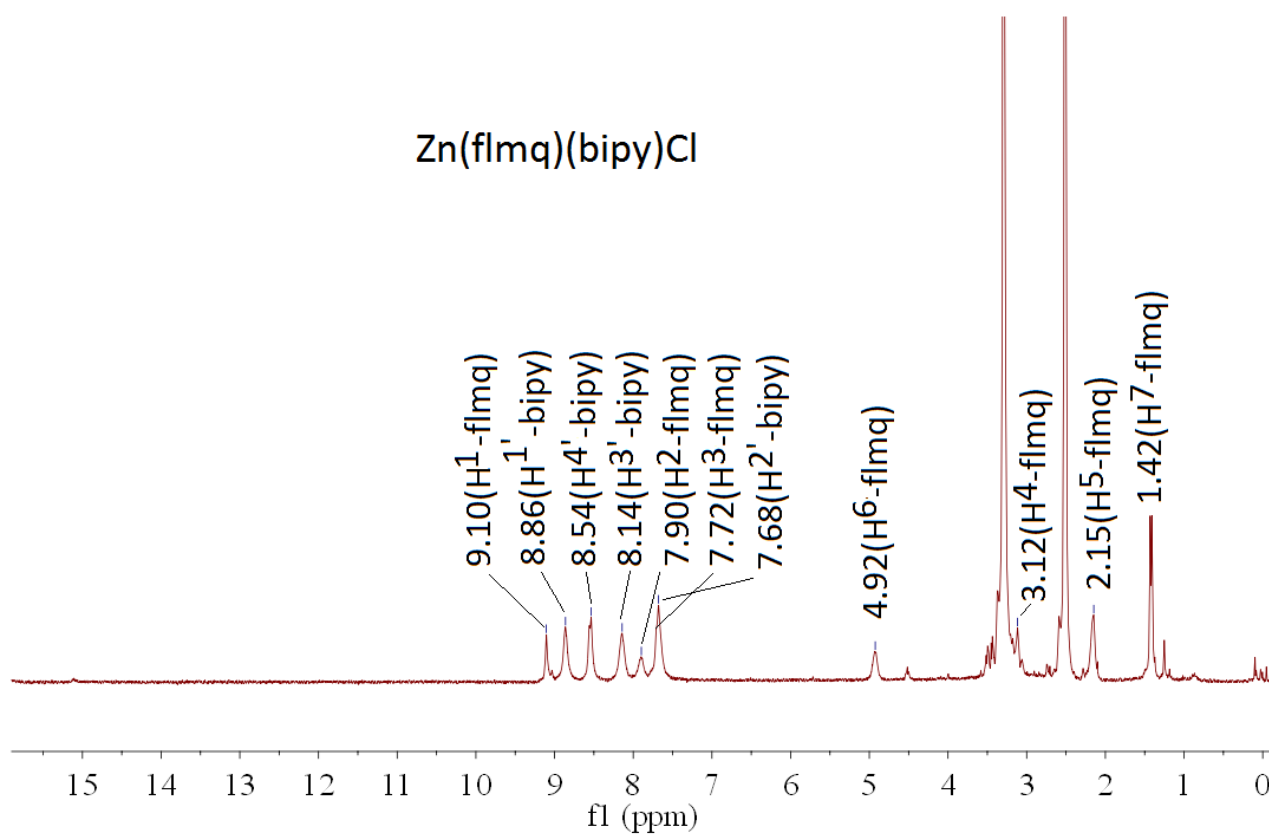


Figure S2. ¹H-NMR spectrum of [Zn(flmq)(bipy)Cl], **2**, in d₆-DMSO solution.

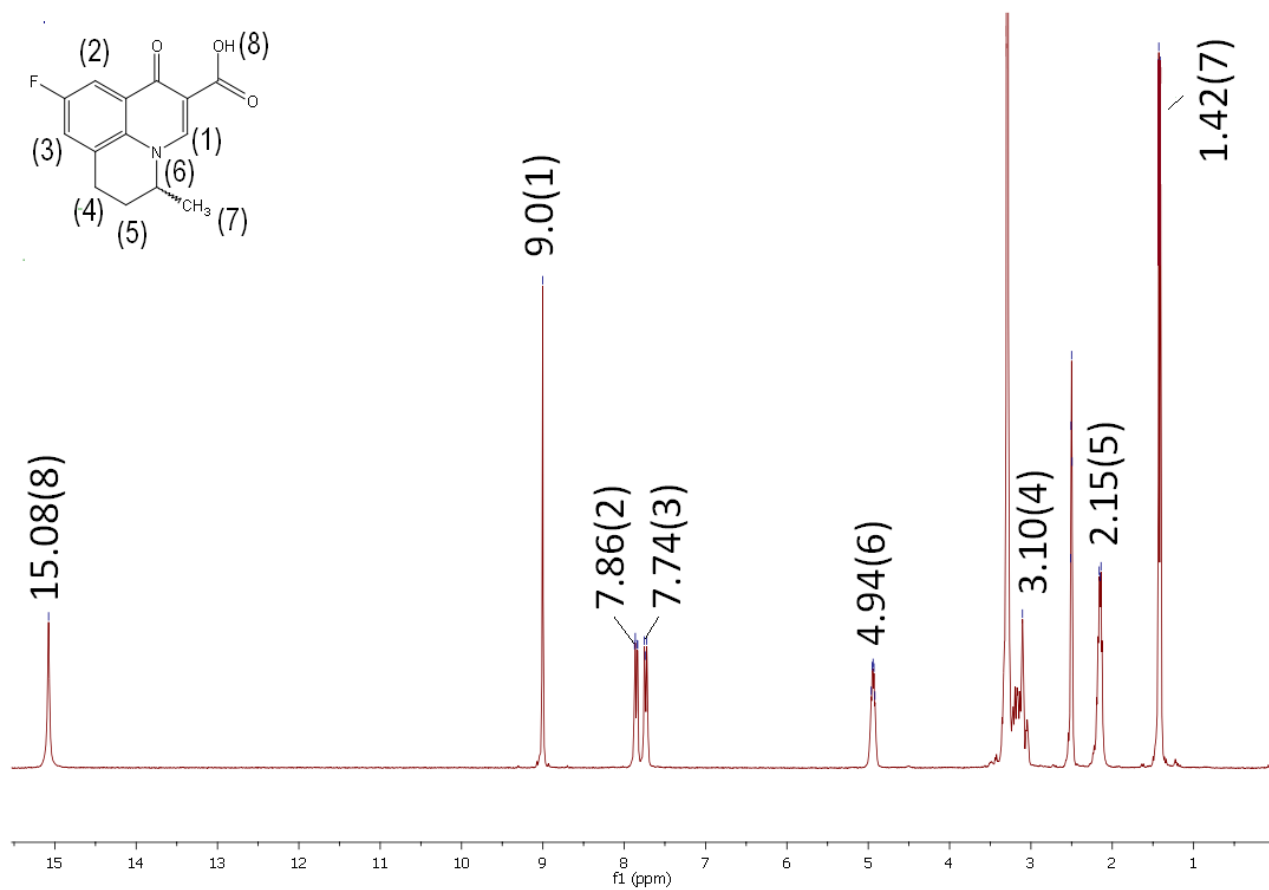


Figure S3. ¹H-NMR spectrum of Hflmq in d₆-DMSO/CHCl₃ (5:1) solution.

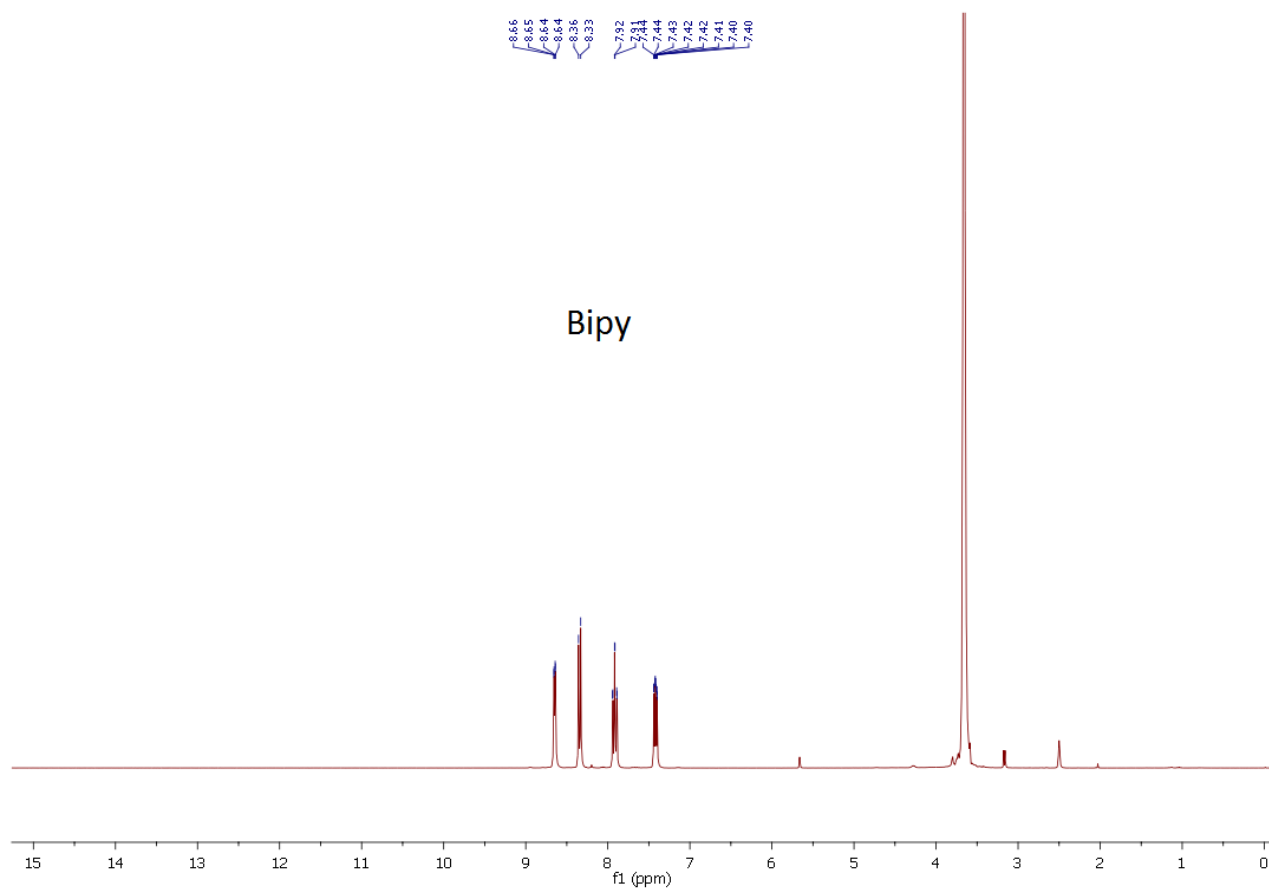


Figure S4. ^1H -NMR spectrum of bipy in d_6 -DMSO solution.

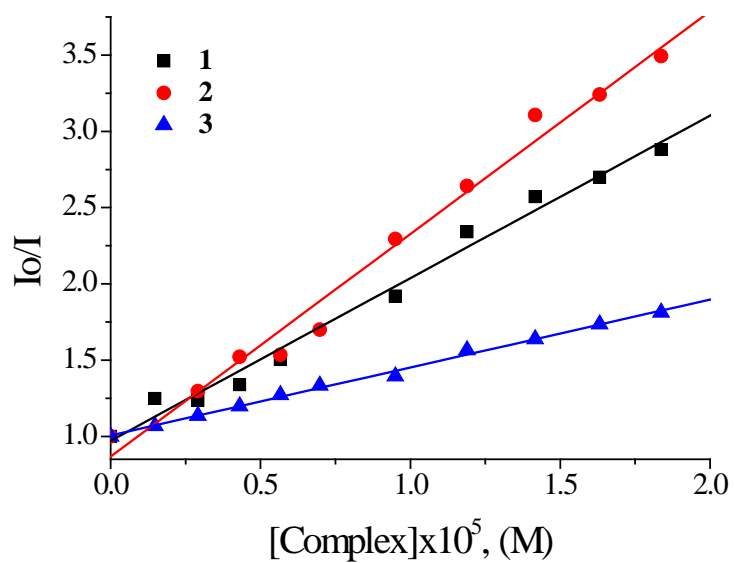


Figure S5. Stern-Volmer quenching plot of BSA for complexes **1-3**.

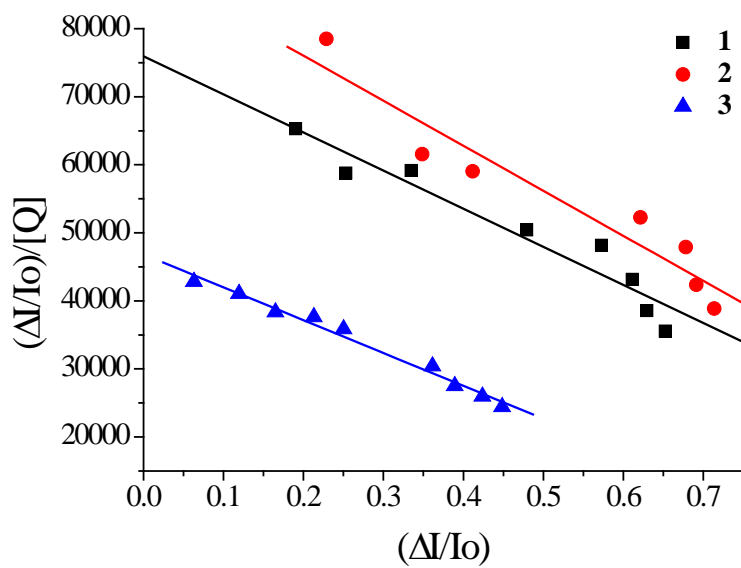


Figure S6. Scatchard plot of BSA for complexes **1-3**.

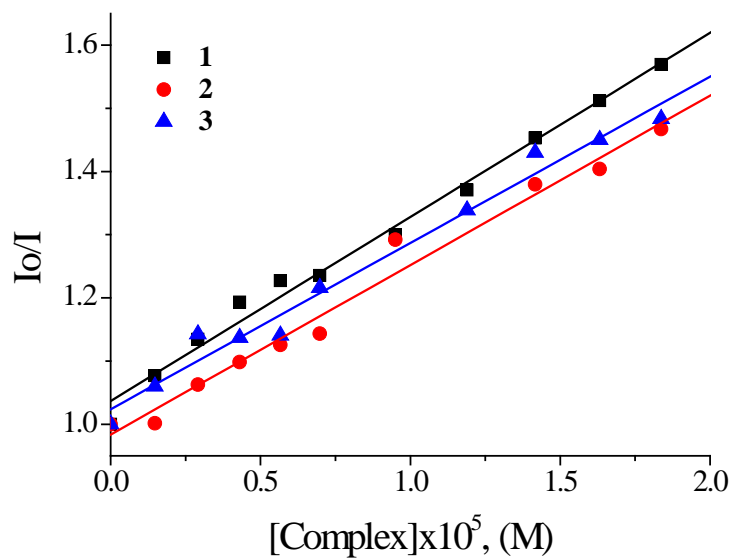


Figure S7. Stern-Volmer quenching plot of HSA for complexes **1-3**.

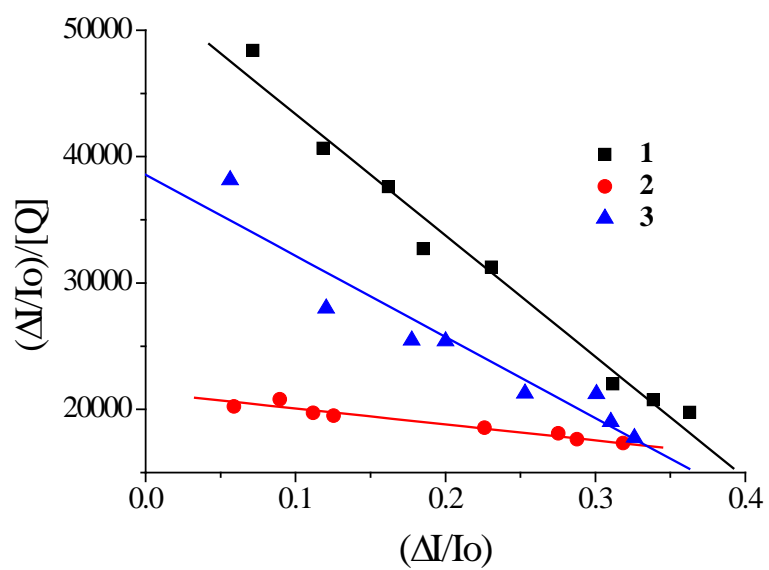


Figure S8. Scatchard plot of HSA for complexes **1-3**.

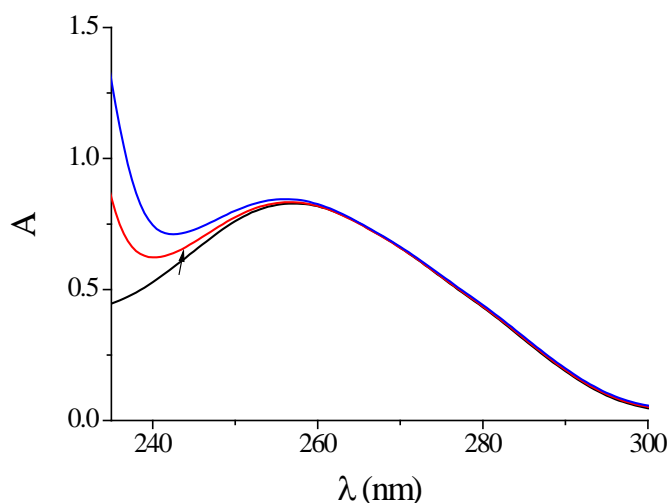


Figure S9. (A) UV spectra of CT DNA in buffer solution (150 mM NaCl and 15 mM trisodium citrate at pH 7.0) in the absence or presence of $[\text{Zn}(\text{flmq})(\text{bipy})\text{Cl}]$, **2**. The arrows show the changes upon increasing amounts of the complex.

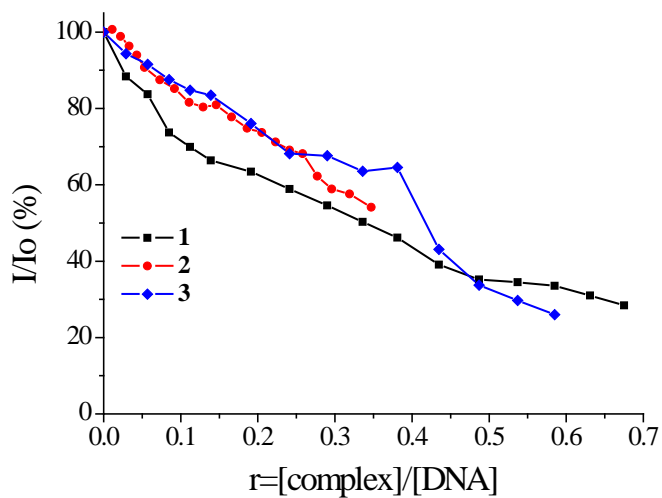


Figure S10. Plot of EB relative fluorescence intensity at $\lambda_{\text{em}}=592$ nm ($I/I_0\%$) vs r ($r=[\text{complex}]/[\text{DNA}]$) for complexes **1-3** in buffer solution (150 mM NaCl and 15 mM trisodium citrate at pH 7.0).

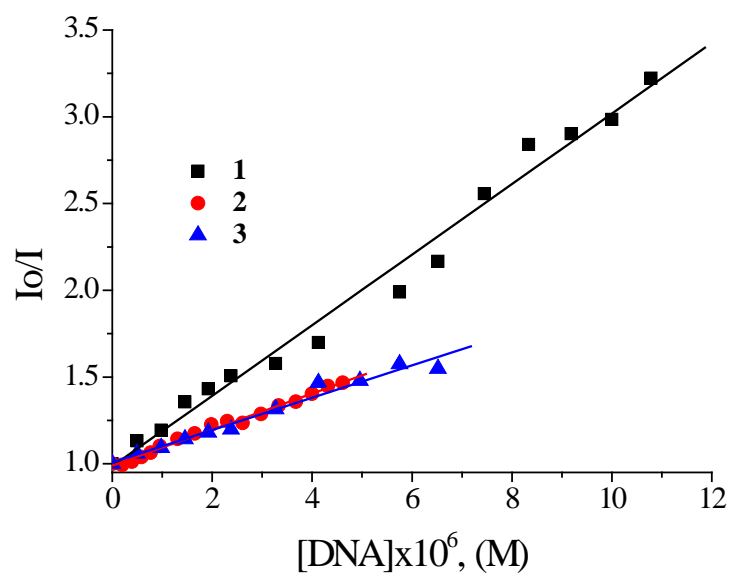


Figure S11. Stern-Volmer quenching plot of EB bound to CT DNA for complexes **1-3**.