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

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Supplementary material

Figure S1. $^1$H-NMR spectrum of $[\text{Zn(flmq)}_2(\text{H}_2\text{O})_2]$, 1, in d$_6$-DMSO/CDCl$_3$ (5:1) solution.

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Figure S2. $^1$H-NMR spectrum of [Zn(flmq)(bipy)Cl], 2, in d$_6$-DMSO solution.
Figure S3. $^1$H-NMR spectrum of Hflmq in d$_6$-DMSO/CHCl$_3$ (5:1) solution.
Figure S4. $^1$H-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 [Zn(flmq)(bipy)Cl], 2. The arrows show the changes upon increasing amounts of the complex.

Figure S10. Plot of EB relative fluorescence intensity at $\lambda_{em}=592$ nm (I/Io%) 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.