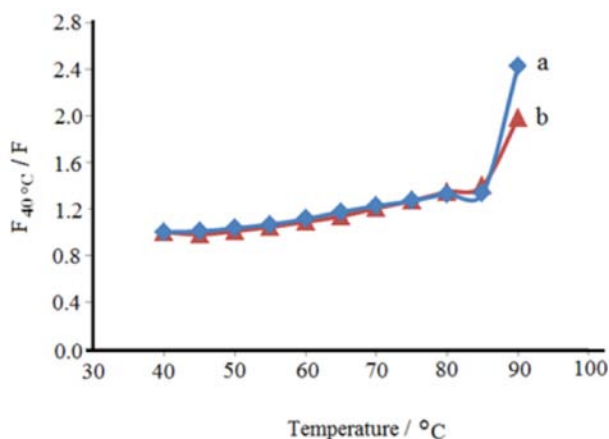


# Supplementary Information

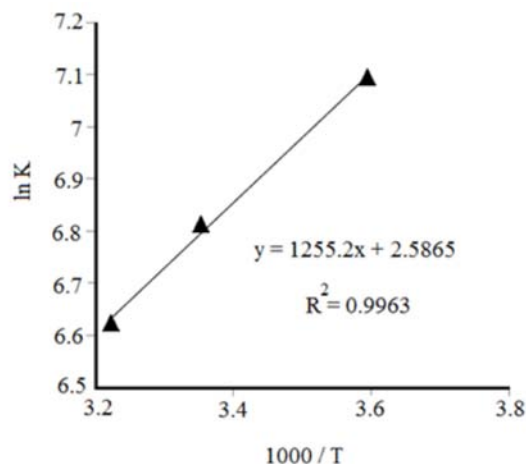
## Investigation of the Interaction of Sertraline with Calf Thymus DNA by Spectroscopic Methods

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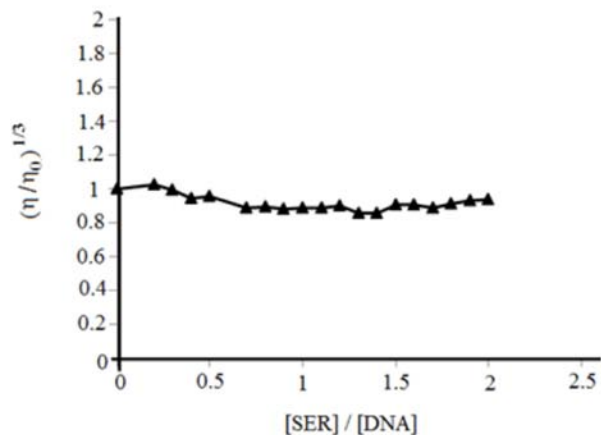
Department of Chemistry, Razi University, 67346 Kermanshah, Iran



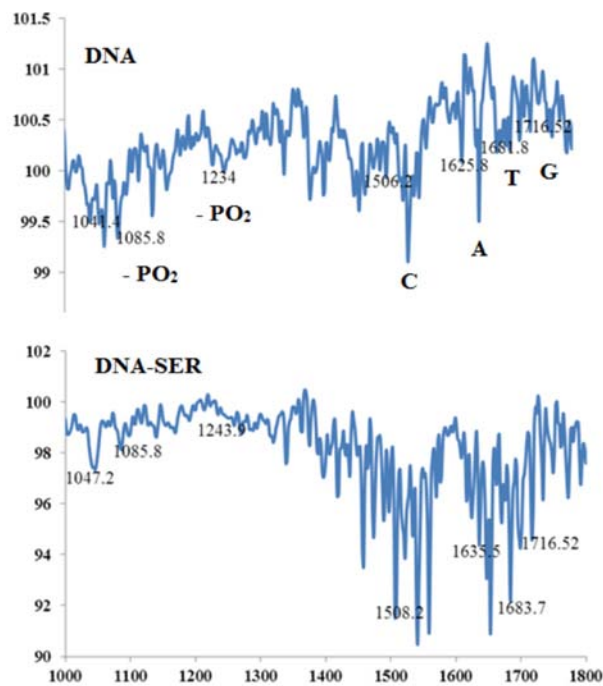
**Figure S1.** Melting curves of DNA-MB in the absence (a) and presence of (b) SER.  $C_{MB} = 5.0 \times 10^{-6} \text{ mol L}^{-1}$ ,  $C_{DNA} = 1.10 \times 10^{-4} \text{ mol L}^{-1}$ ,  $C_{SER} = 1.04 \times 10^{-4} \text{ mol L}^{-1}$ , pH 7.4.



**Figure S3.** Van't Hoff plot for the binding of SER to DNA.



**Figure S2.** Effect of increasing amounts of sertraline on the viscosity of DNA ( $5 \times 10^{-5} \text{ mol L}^{-1}$ ).



**Figure S4.** FTIR spectra in the region of  $1800\text{-}1000 \text{ cm}^{-1}$  for the free calf-thymus DNA ( $1.0 \times 10^{-2} \text{ mol L}^{-1}$ ) and its complex in aqueous solution at pH 7.4 with [SER]/[DNA] ratio (1/40).

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