

Supplementary materials

Anti-inflammatory and antioxidant pyrrolo[3,4-d]pyridazinone derivatives interact with DNA and bind to plasma proteins – spectroscopic and In Silico studies

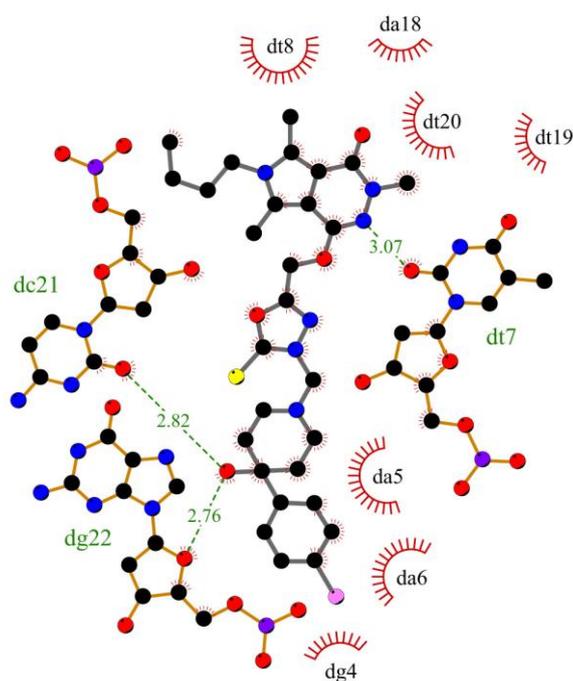


Figure S1a. The 2D plot of interactions between molecule 2 and B-DNA.

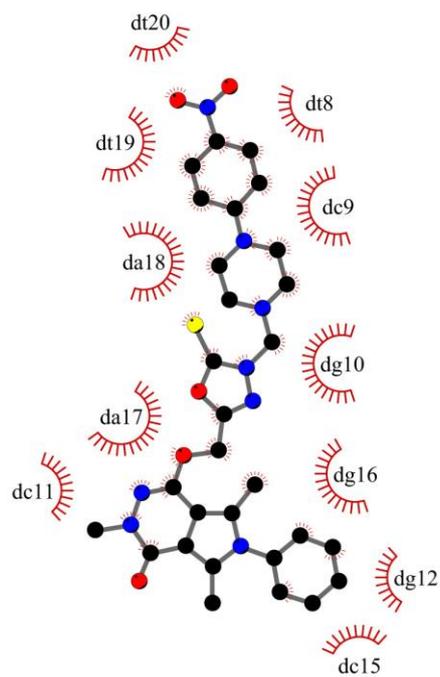


Figure S1b. The 2D plot of interactions between molecule 4 and B-DNA.

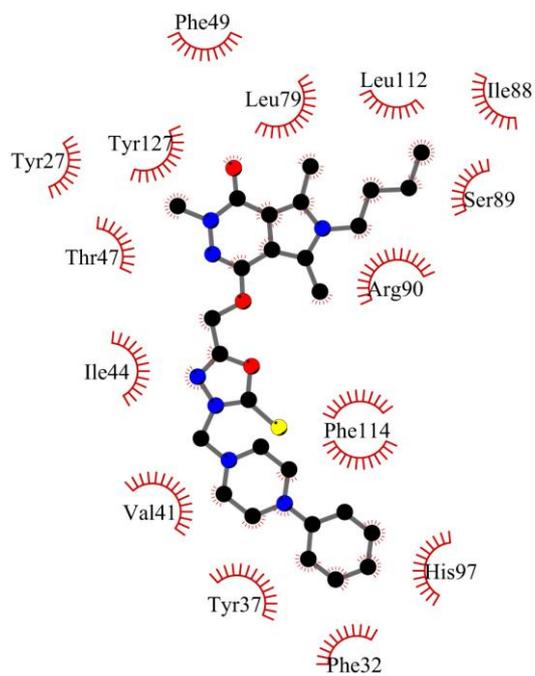


Figure S2a. Hydrophobic interactions between compound 1 and α 1-acid glycoprotein.

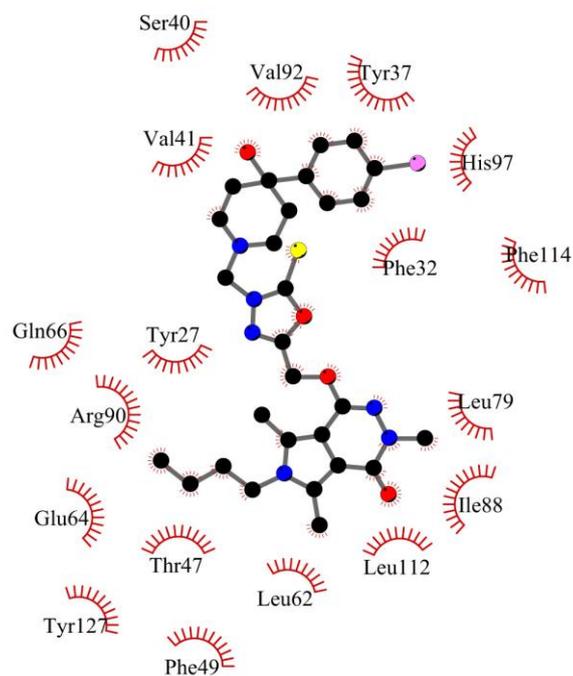


Figure S2b. Hydrophobic interactions between compound 2 and α 1-acid glycoprotein.

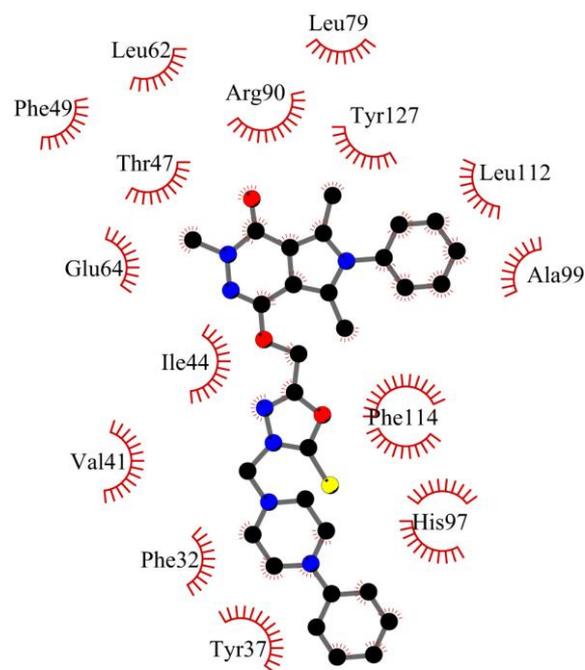


Figure S2c. Hydrophobic interactions between compound 3 and α 1-acid glycoprotein.

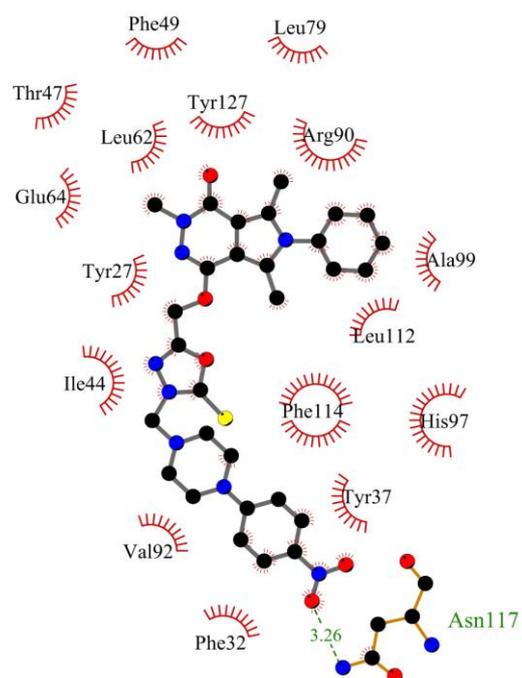


Figure S2d. Interactions between compound 4 and α 1-acid glycoprotein.

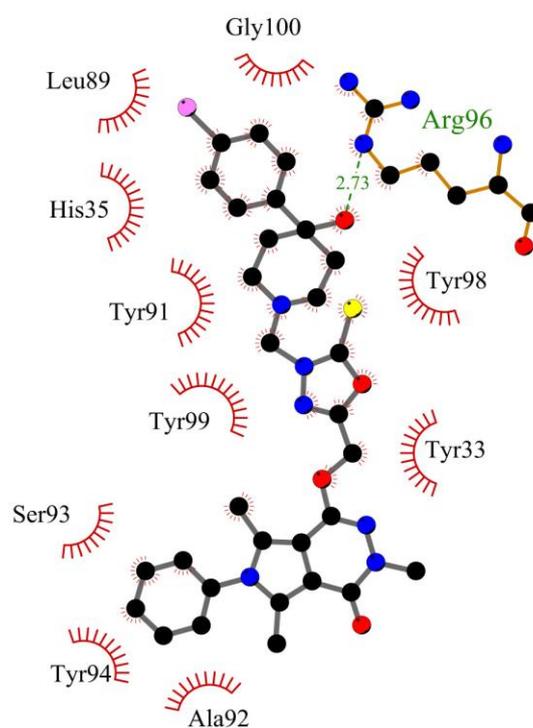


Figure S3a. Interactions between compound 1 and gamma globulin.

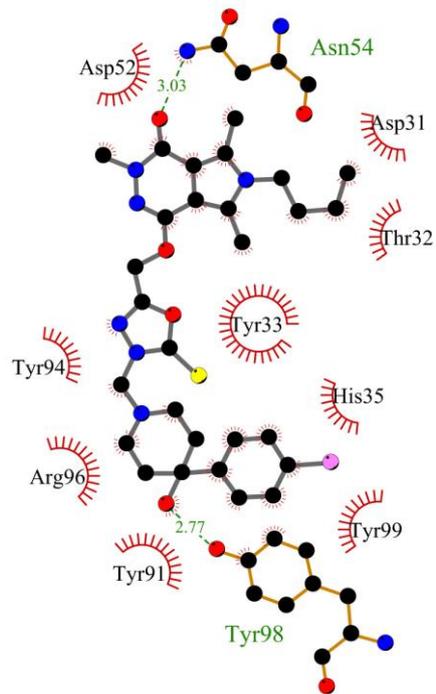


Figure S3b. Interactions between compound 2 and gamma globulin.

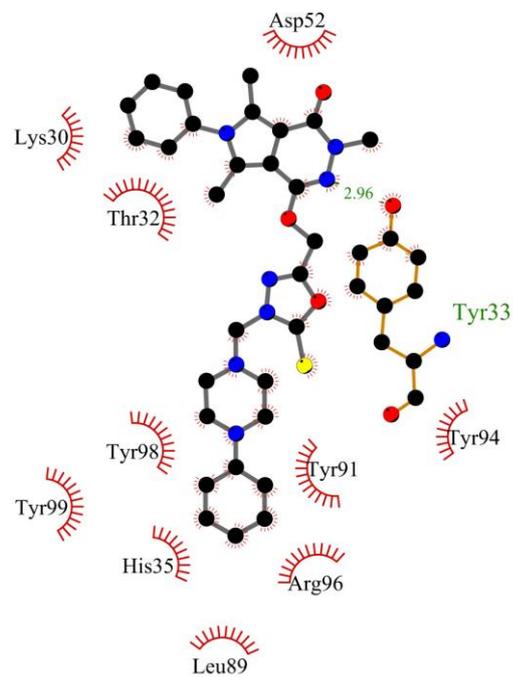


Figure S3c. Interactions between compound 3 and gamma globulin.

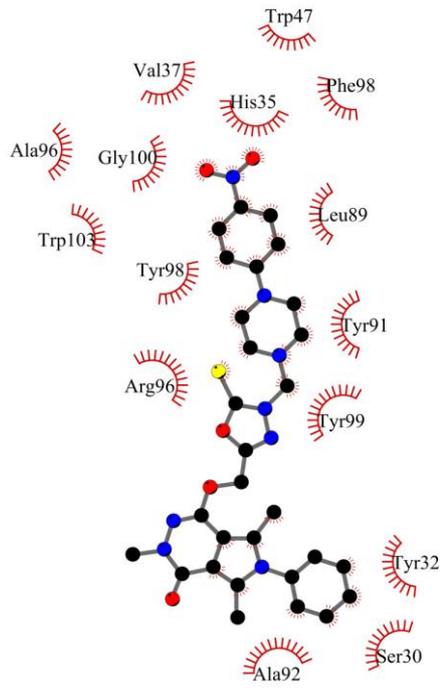
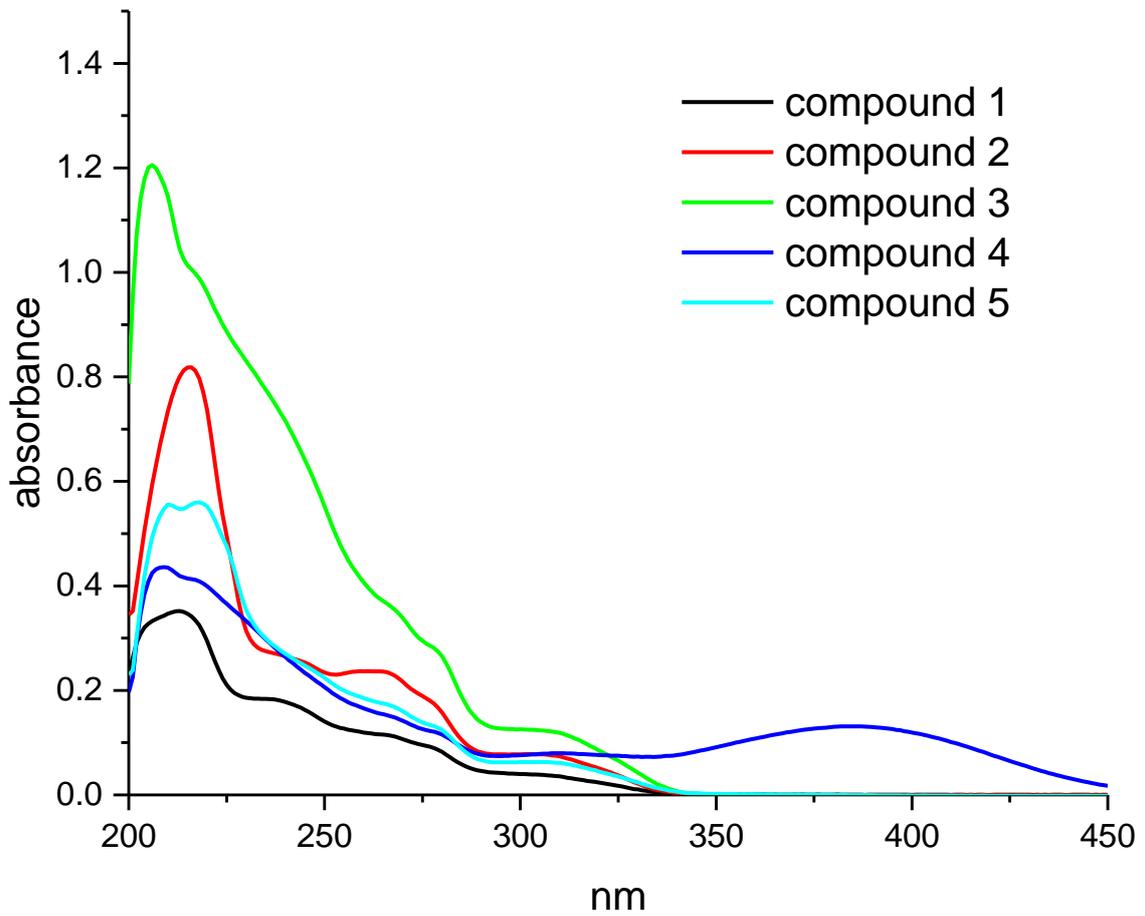


Figure S3d. Interactions between compound 4 and gamma globulin.



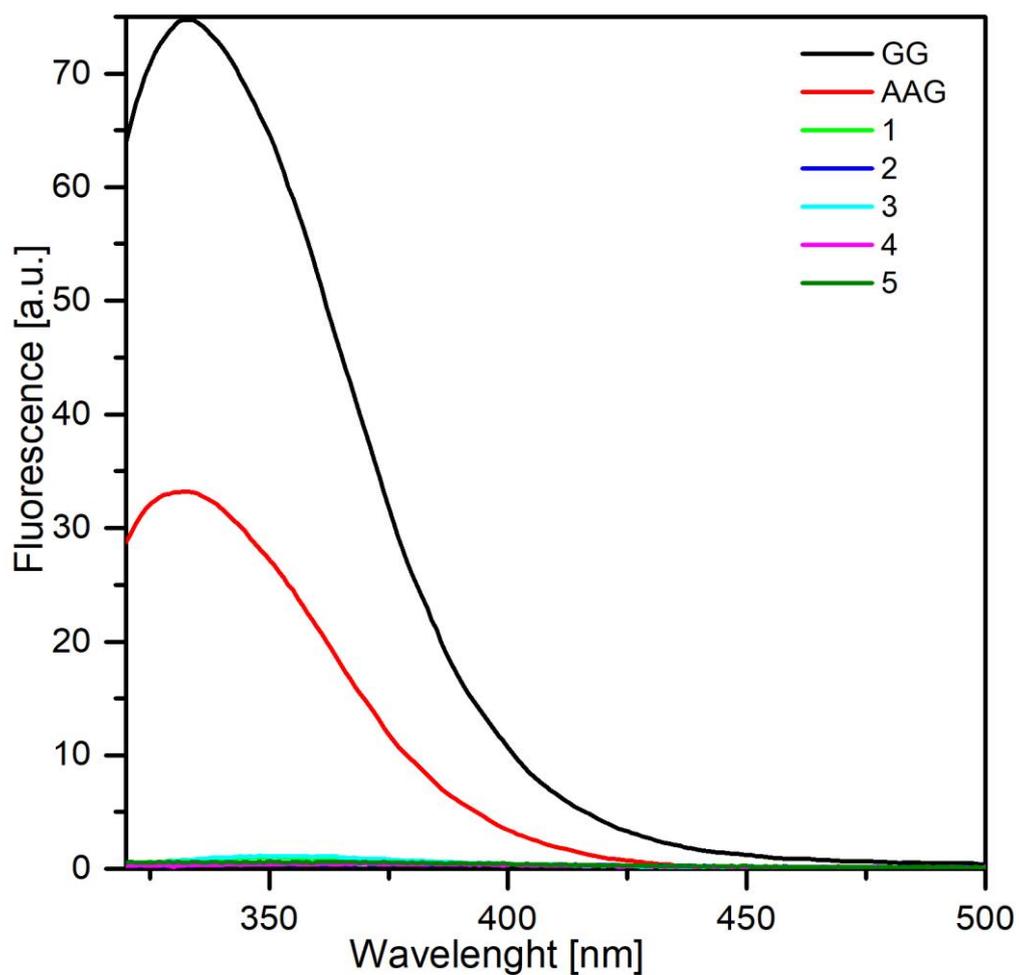


Figure S4. UV-Vis and fluorescence spectra of compounds 1-5. The concentration of compounds was $1 \cdot 10^{-5}$ M and $1 \cdot 10^{-6}$ M for UV-Vis and fluorescence spectroscopy, respectively. The path length in both methods was equal to 10 mm.