

Supporting Information

Anti-inflammatory and Anti-diabetic Activity of Ferruginan, a Natural Compound from *Olea ferruginea*

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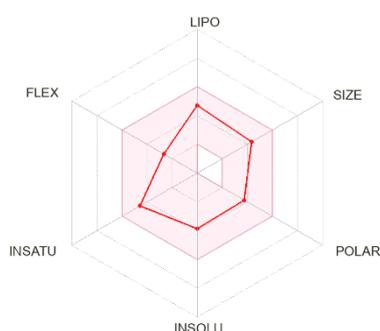


Figure S1. Radar graph representing the predicted physico-chemical properties for ferruginan. The ideal chemical space in terms of lipophilicity, size, polarity, solubility, degree of insaturation and flexibility for a drug-like compound is depicted in light red.

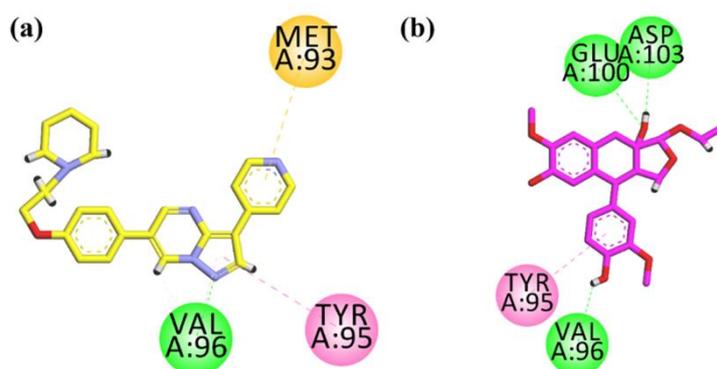


Figure S2. Comparison of the interaction pattern of native ligand (a) and docked ferruginan (b) in AMPK.

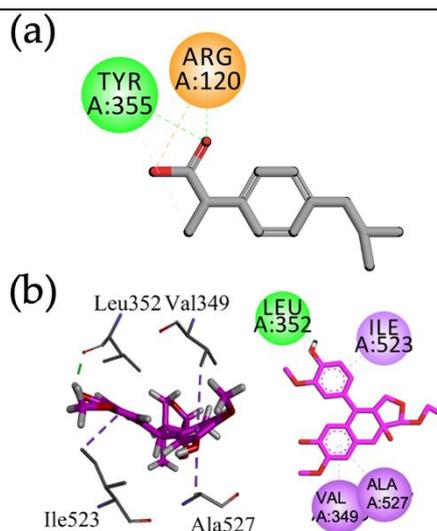


Figure S3. Interaction pattern of native ligand (a) and docked ferruginin (comparison between 3D and 2D model, b) in COX-1.

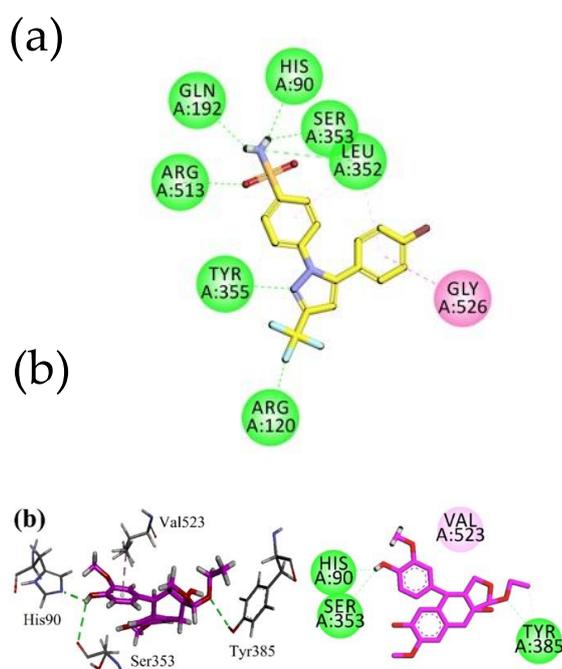


Figure S4. Interaction pattern of native ligand (a) and docked ferruginin (comparison between 3D and 2D model, b) in COX-2.

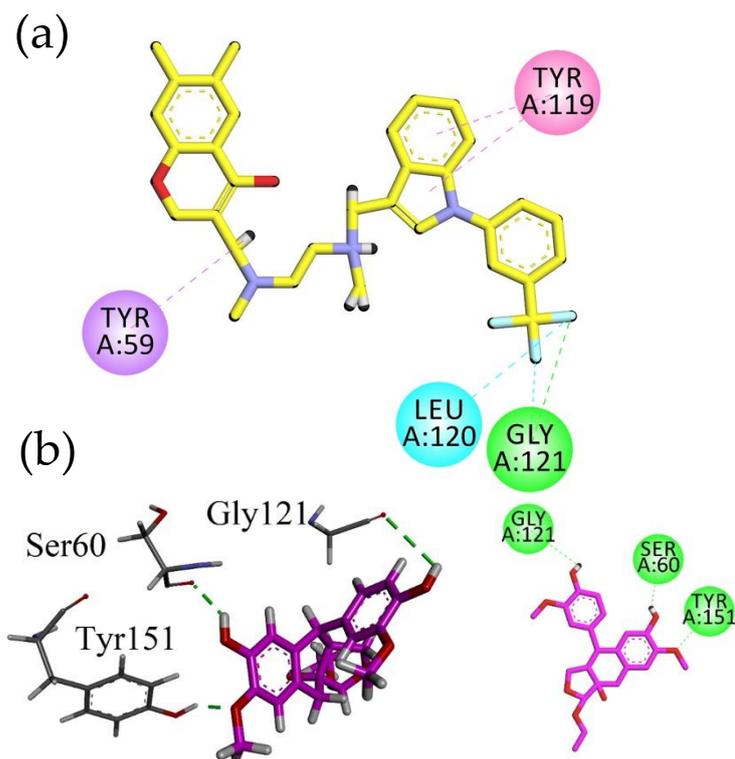


Figure S5. Interaction pattern of native ligand (a) and docked ferruginin (comparison between 3D and 2D model, b) in TNF- α .