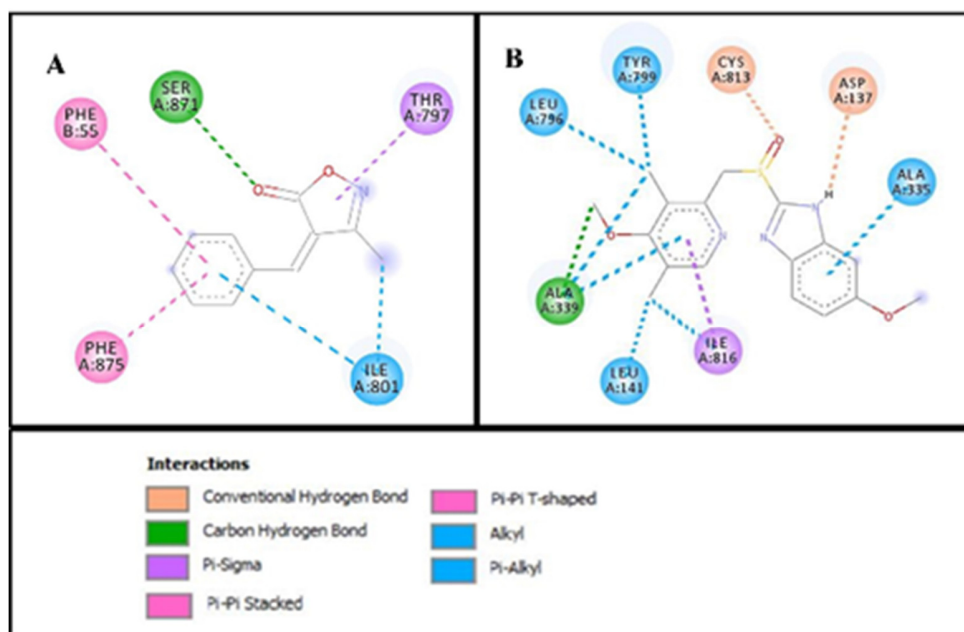
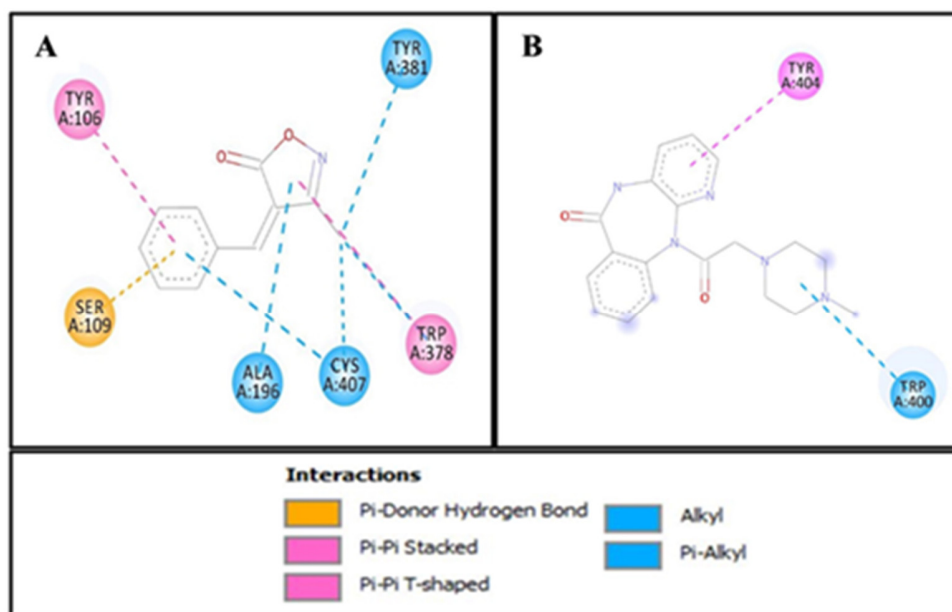


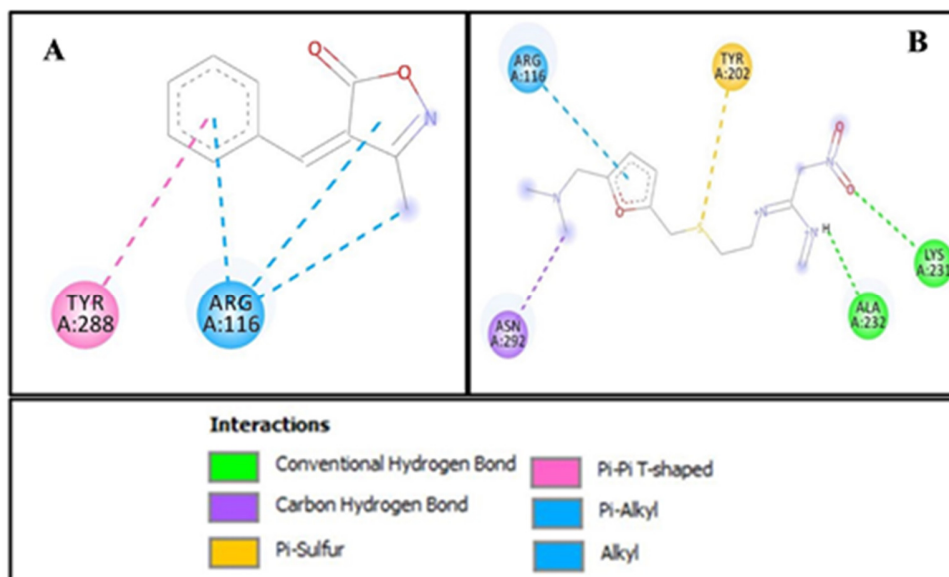
## Supplementary Data



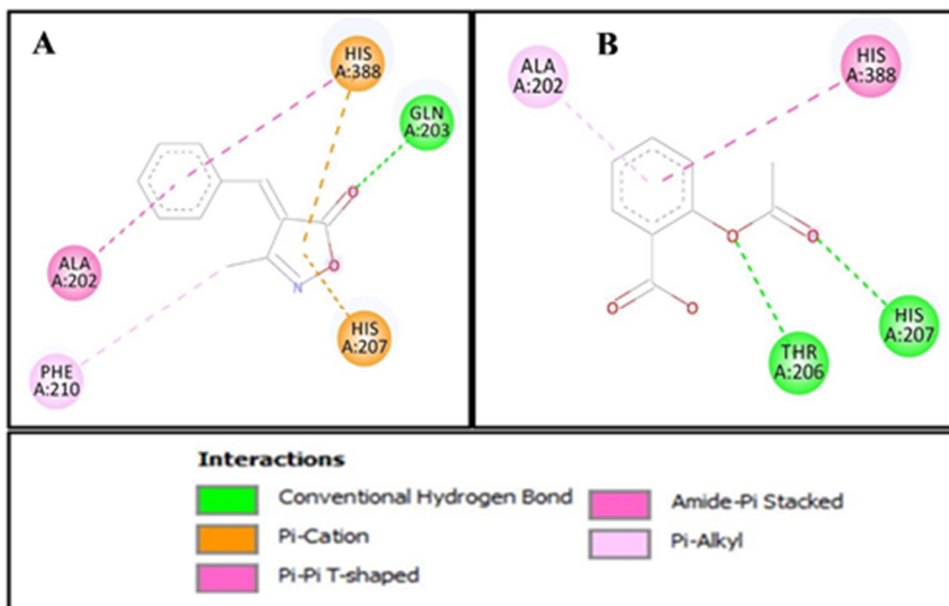
**Figure S1.** **A** and **B** represents 2D interactions of MBO and Omeprazole against target:  $H^+/K^+$ -ATPase respectively, evaluated through Biovia Discovery Studio 2016.



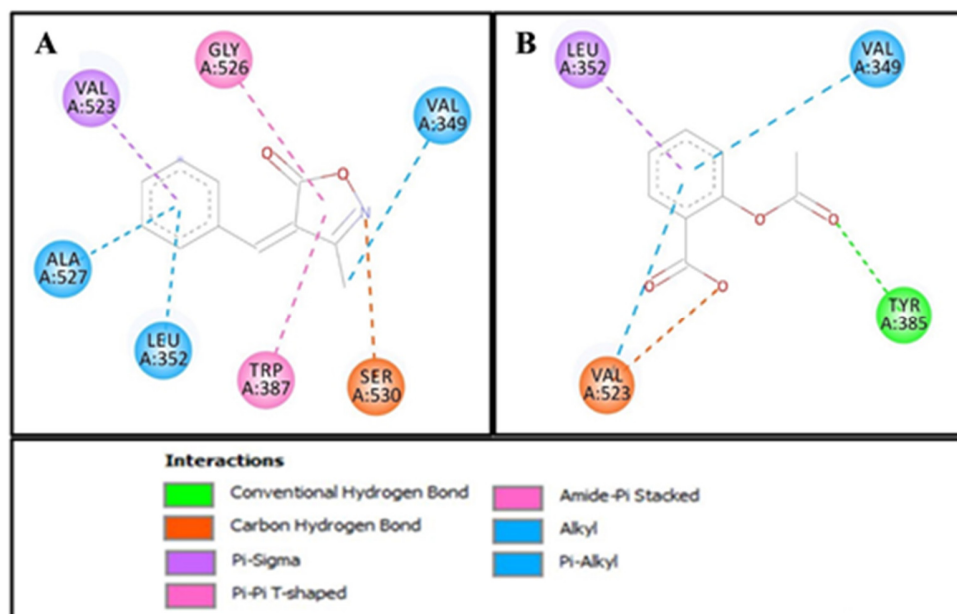
**Figure S2.** **A** and **B** represents 2D interactions of MBO and Pirenzepine against target: M1 respectively, evaluated through Biovia Discovery Studio 2016.



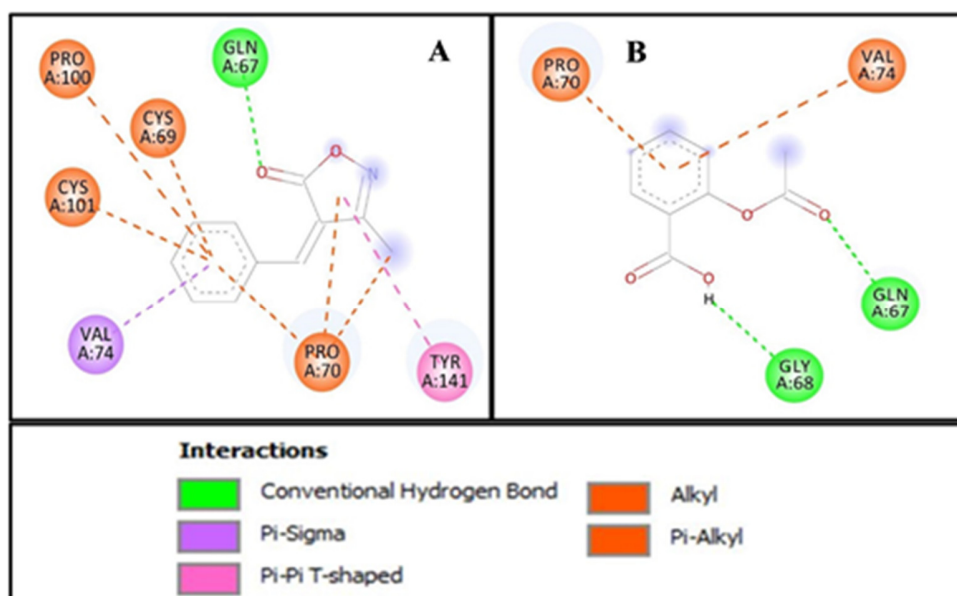
**Figure S3.** **A** and **B** represents 2D interactions of MBO and Ranitidine against target: H<sub>2</sub> respectively, evaluated through Biovia Discovery Studio 2016.



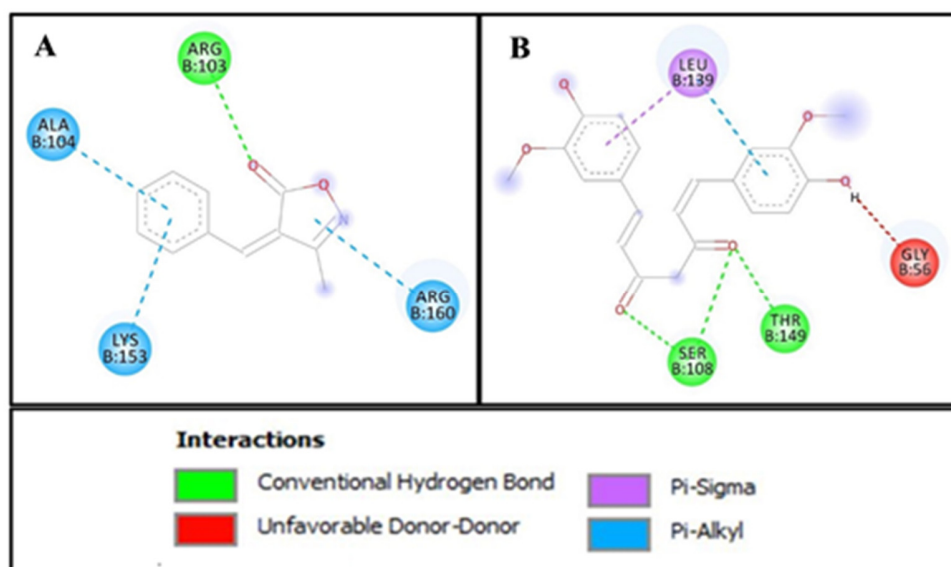
**Figure S4.** **A** and **B** represents 2D interactions of MBO and Aspirin against target: COX-1 respectively, evaluated through Biovia Discovery Studio 2016.



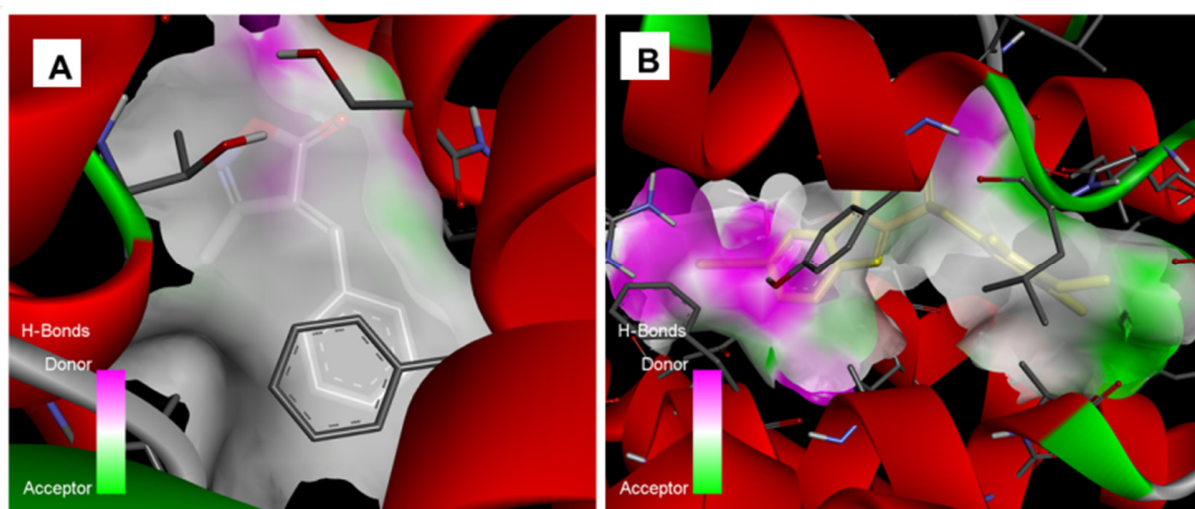
**Figure S5.** **A** and **B** represents 2D interactions of MBO and Aspirin against target: COX-2 respectively, evaluated through Biovia Discovery Studio 2016.



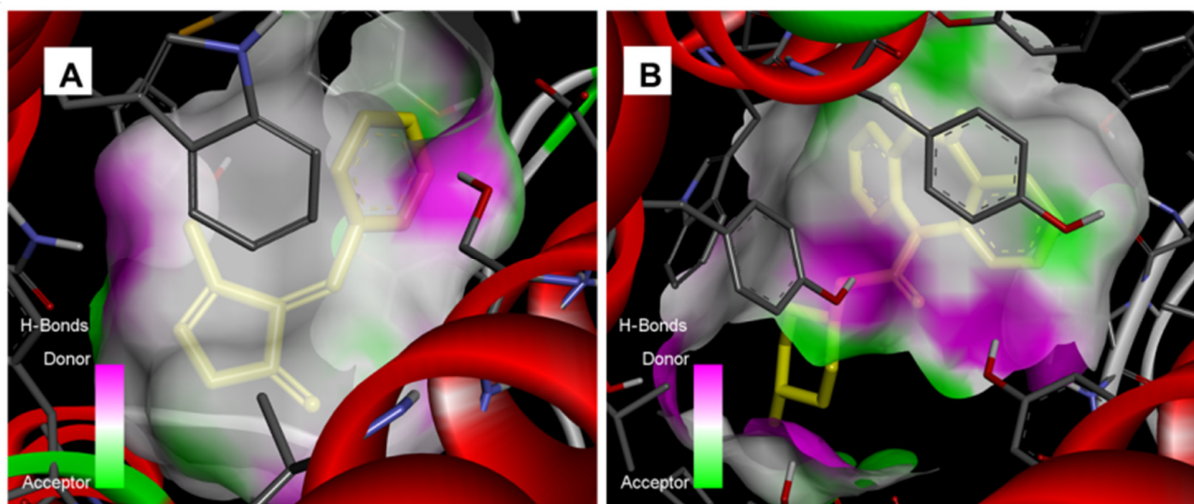
**Figure S6.** **A** and **B** represents 2D interactions of MBO and Aspirin against target: TNF- $\alpha$  respectively, evaluated through Biovia Discovery Studio 2016.



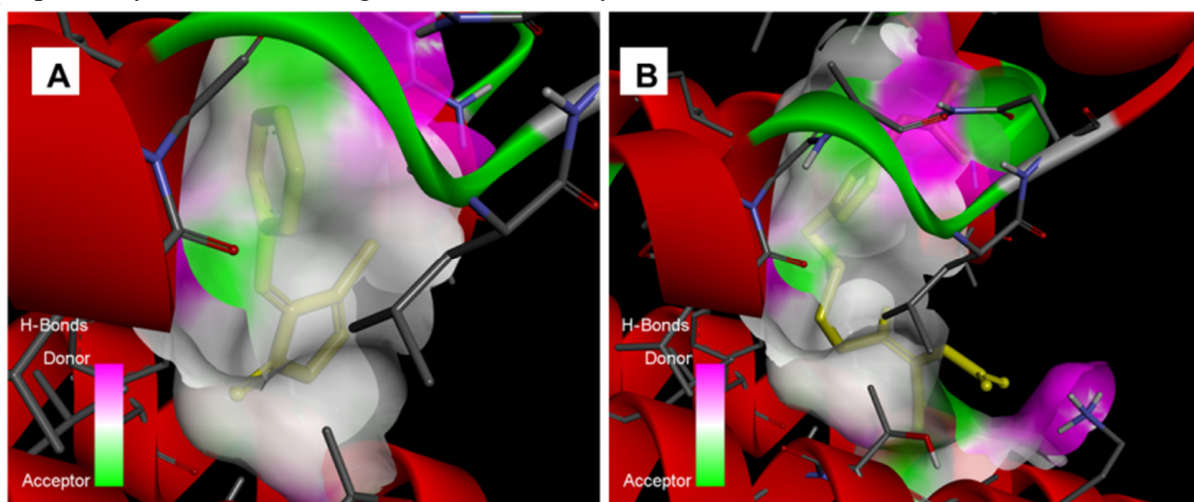
**Figure S7.** **A** and **B** represents 2D interactions of MBO and Curcumin against target: NFkB respectively, evaluated through Biovia Discovery Studio 2016.



**Figure S8.** **A** and **B** represents 3D interactions of MBO and Omeprazole against target:  $H^+/K^+$ -ATPase respectively, evaluated through Biovia Discovery Studio 2016

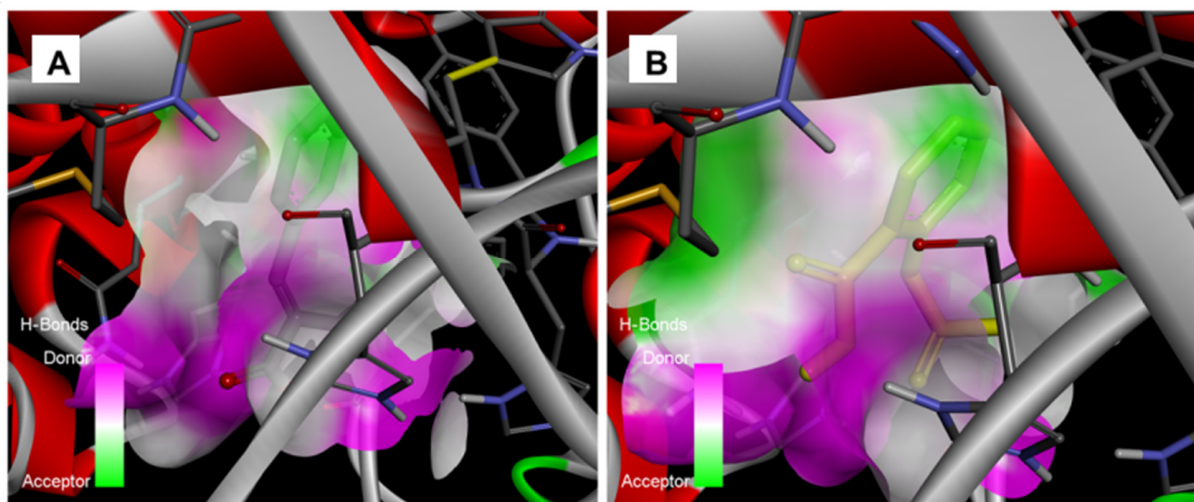


**Figure S9.** A and B represents 3D interactions of MBO and Pirenzepine against target: M1 respectively, evaluated through Biovia Discovery Studio 2016.

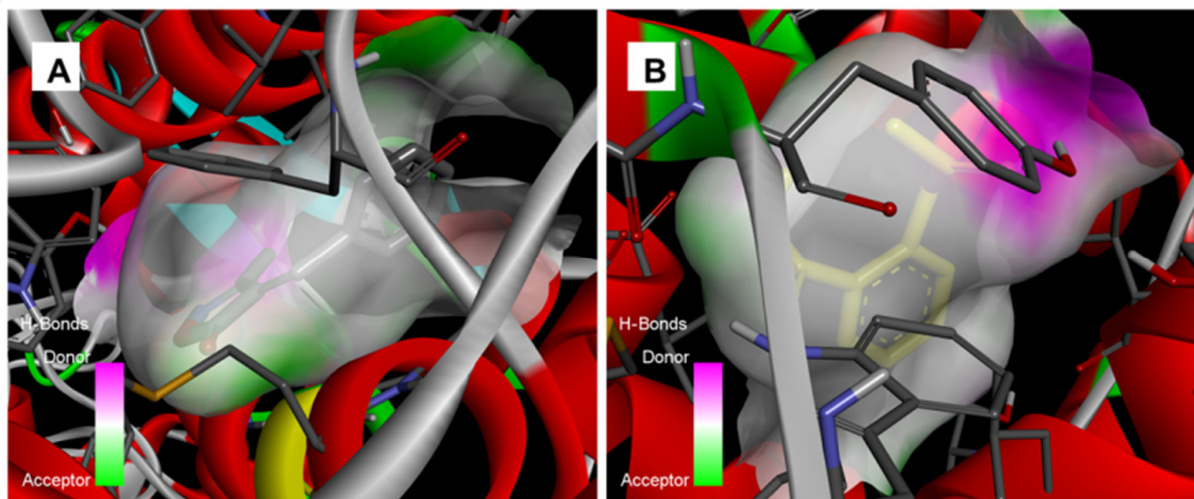


**Figure S10.** A and B represents 3D interactions of MBO and Ranitidine against target: H2 respectively, evaluated through Biovia Discovery Studio 2016.

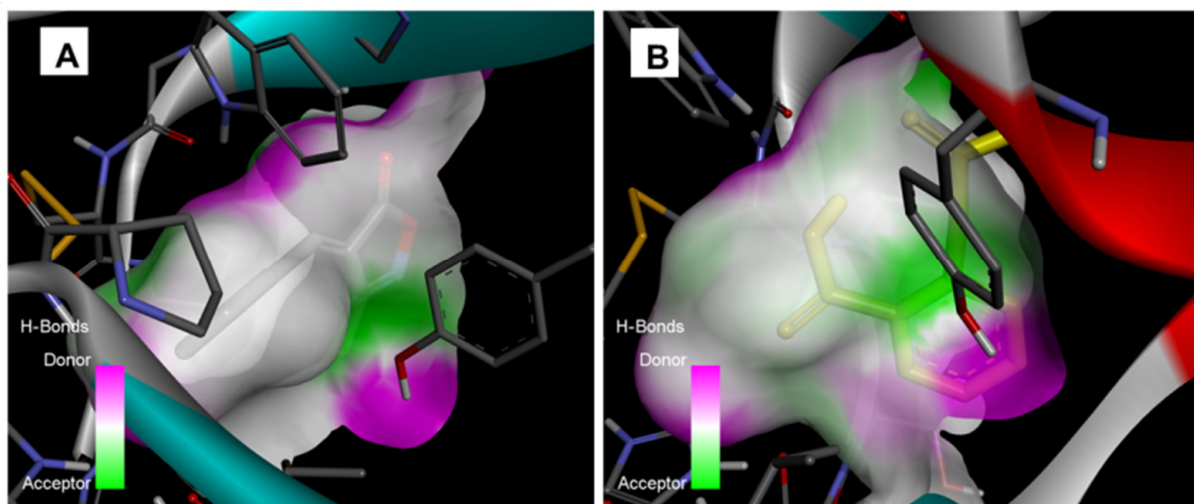




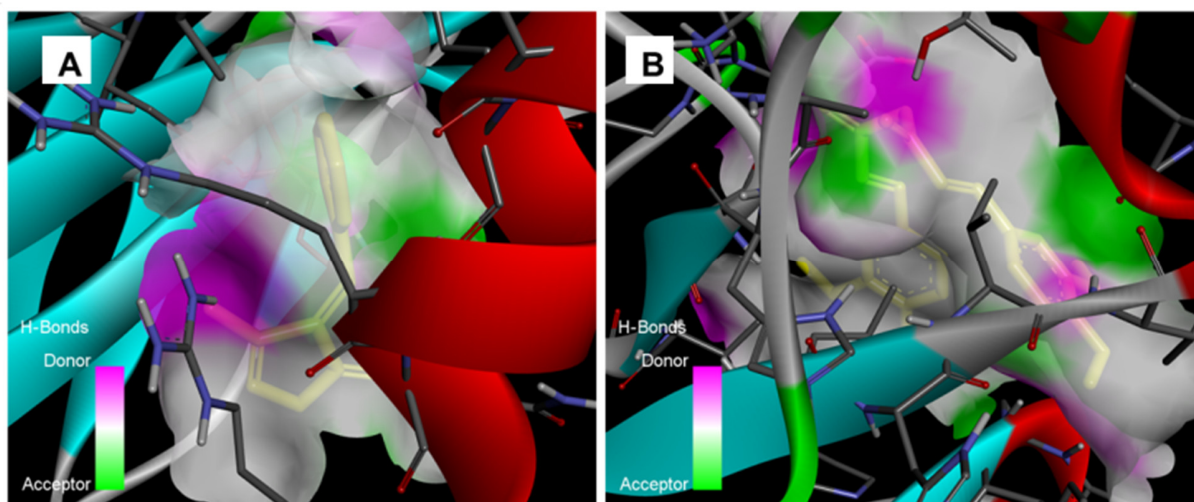
**Figure S11.** A and B represents 3D interactions of MBO and Aspirin against target: COX-1 respectively, evaluated through Biovia Discovery Studio 2016.



**Figure S12.** A and B represents 3D interactions of MBO and Aspirin against target: COX-2 respectively, evaluated through Biovia Discovery Studio 2016.



**Figure S13.** A and B represents 3D interactions of MBO and Aspirin against target: TNF- $\alpha$  respectively, evaluated through Biovia Discovery Studio 2016.



**Figure S14.** A and B represents 3D interactions of MBO and Curcumin against target: NF $\kappa$ B respectively, evaluated through Biovia Discovery Studio 2016.