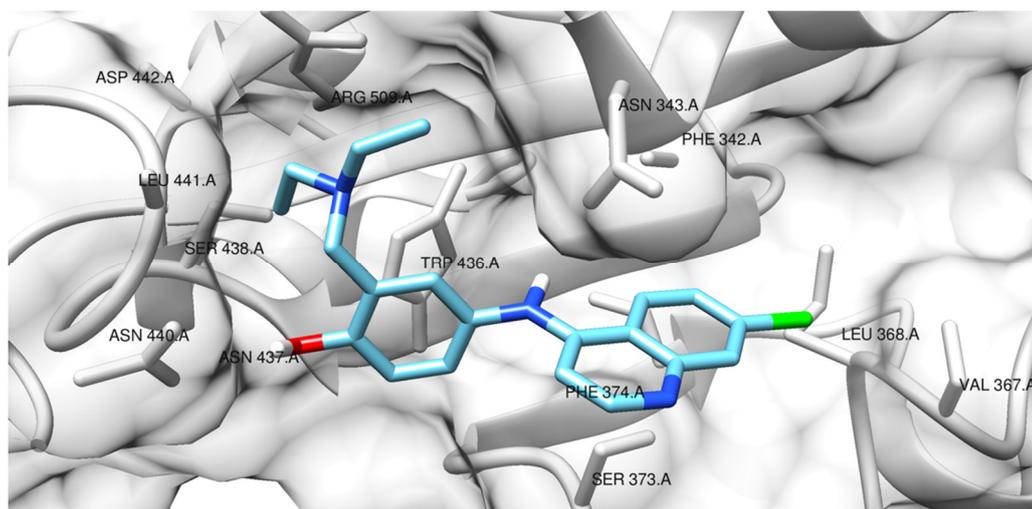


## Supplementary Material

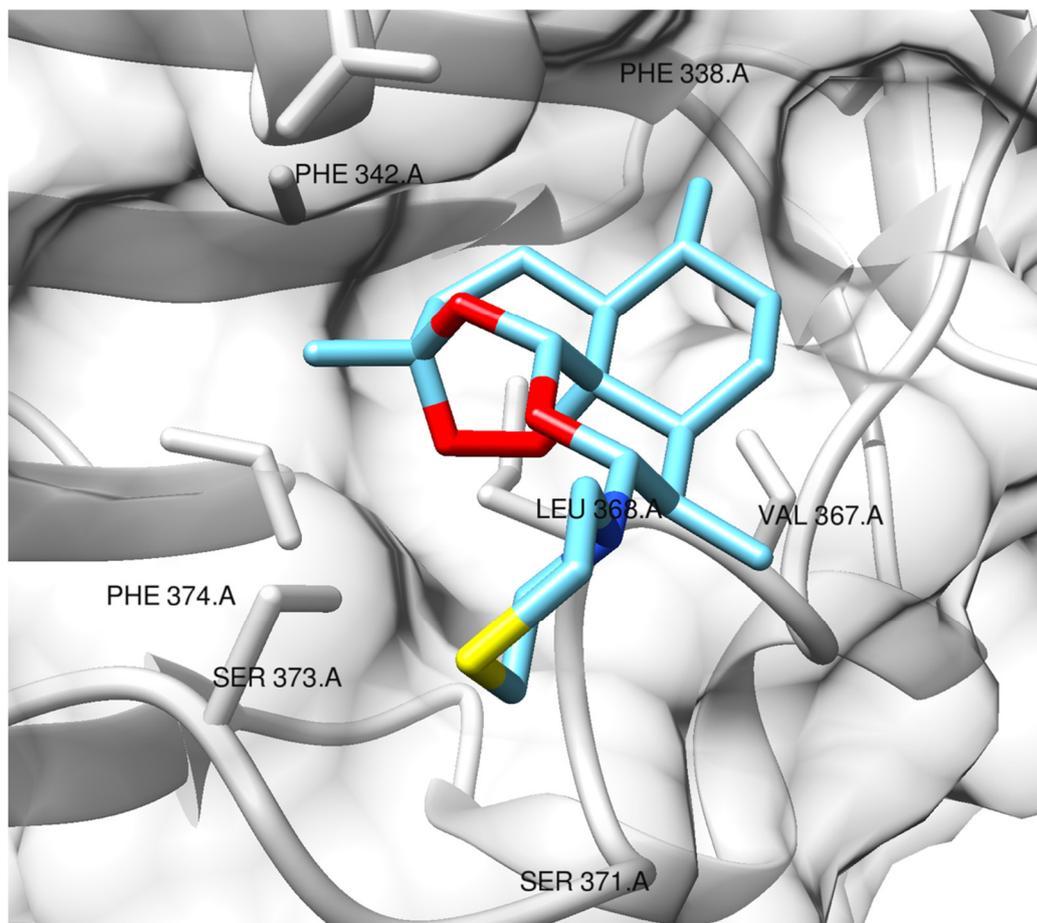
### *Molecular modeling*

**Table S1.** Calculated binding energy values for the computed interaction between studied compounds and the target proteins.

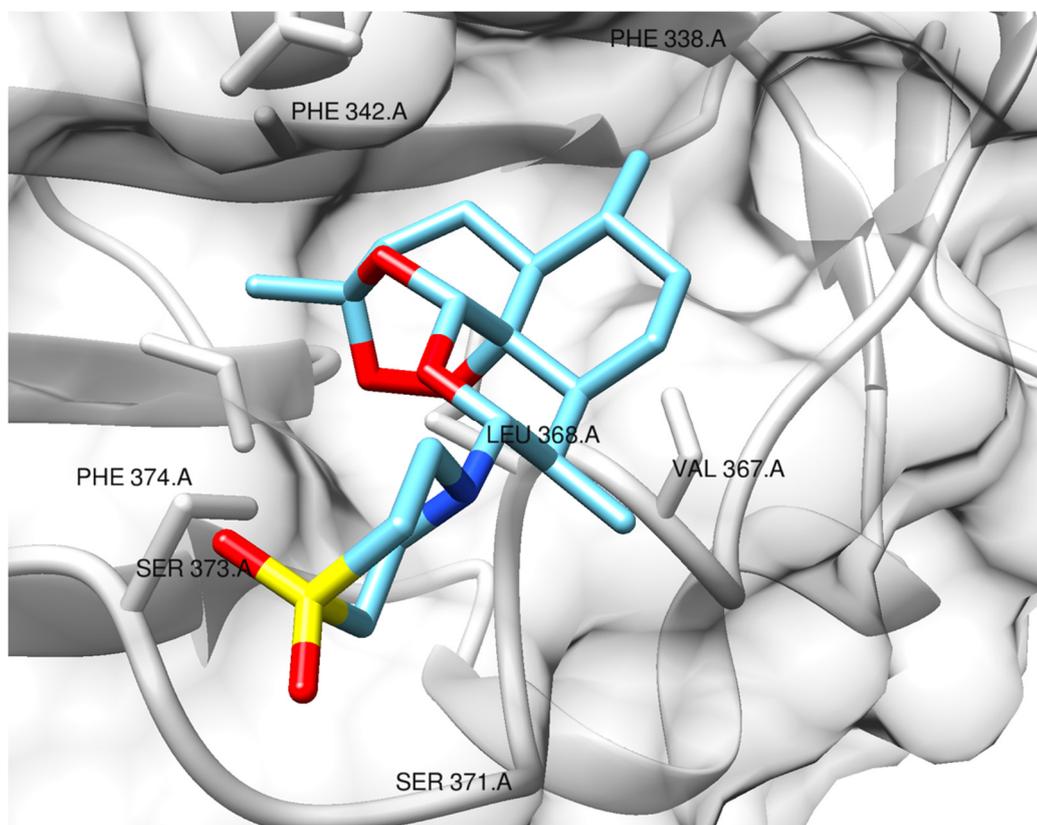
	RBD (-kcal/mol)	ACE2 (-kcal/mol)
Amodiaquine	6.2	7.4
Artemiside	6.9	7.6
Artemisone	7.1	8.1
Artesunate	6.6	7.8
Curcumin	6.0	9.0
Mefloquine	7.0	7.9
Methylene blue	6.1	7.8
Pyronaridine	7.3	9.0
Quinine	6.0	9.0



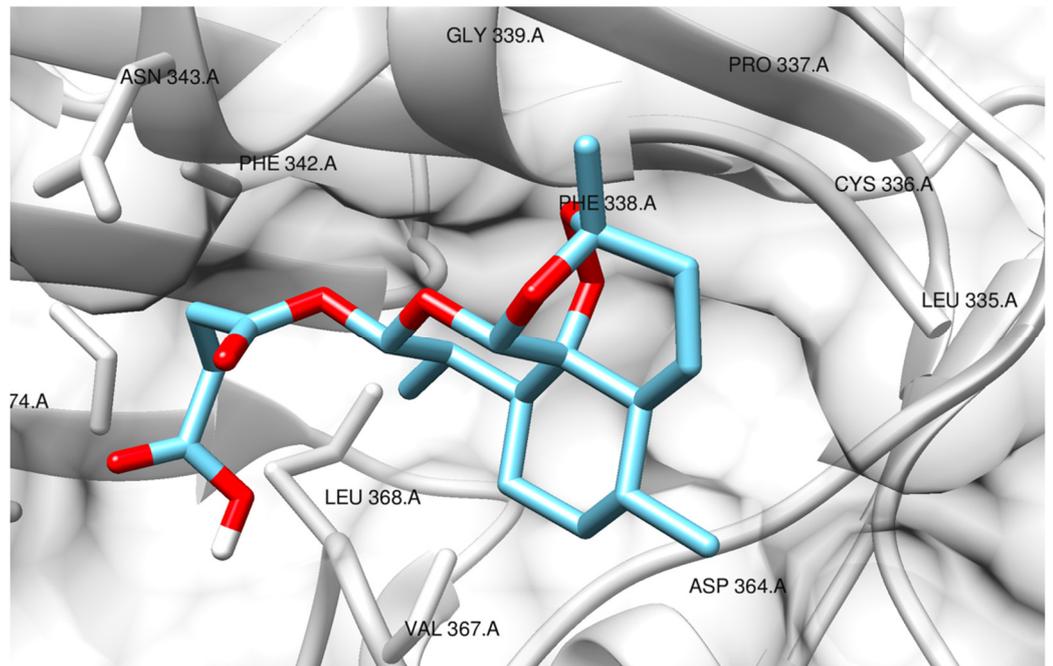
**Figure S1.** Detailed view of the predicted interaction motif of amodiaquine with RBD.



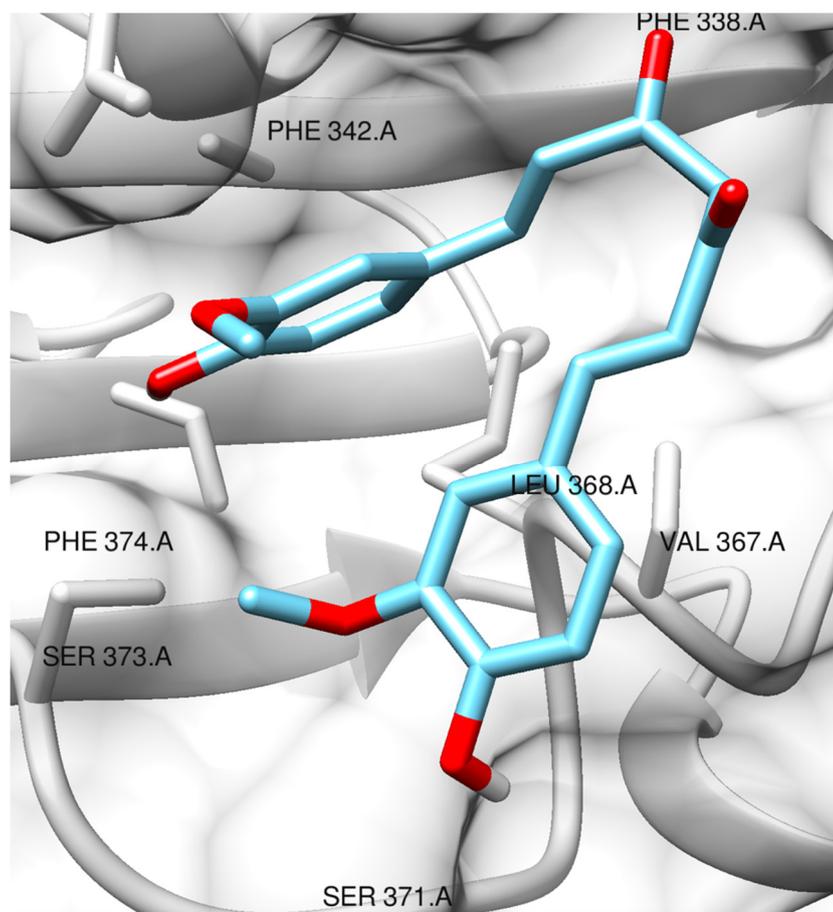
**Figure S2.** Detailed view of the predicted interaction motif of artemiside with RBD.



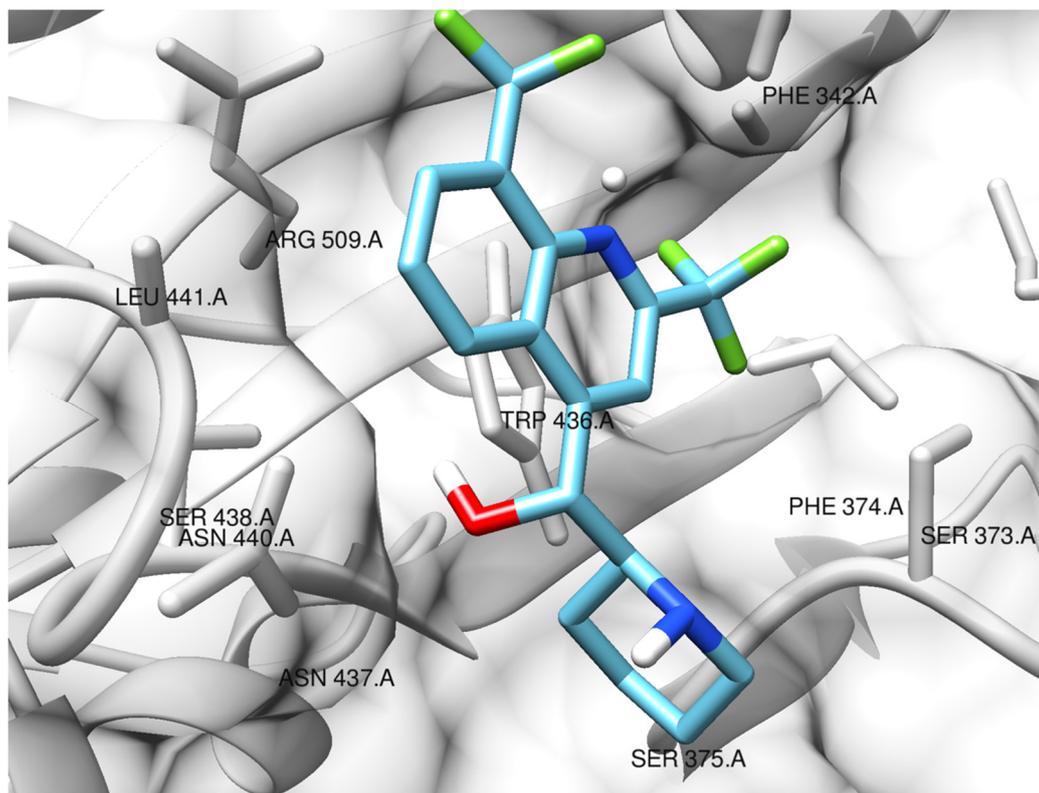
**Figure S3.** Detailed view of the predicted interaction motif of artemisone with RBD.



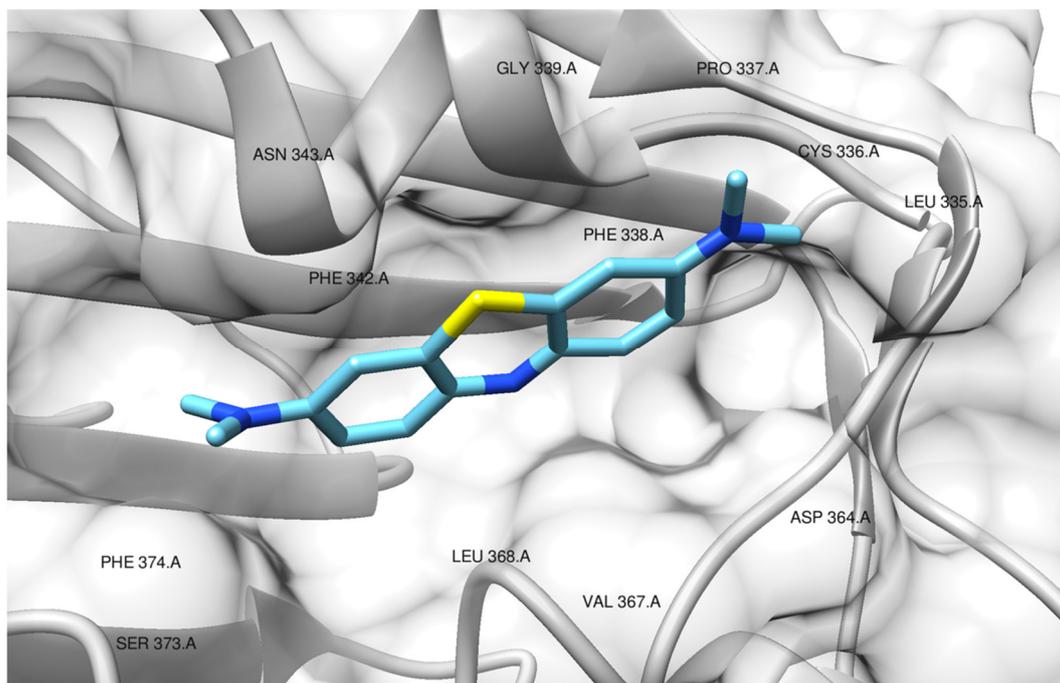
**Figure S4.** Detailed view of the predicted interaction motif of artesunate with RBD.



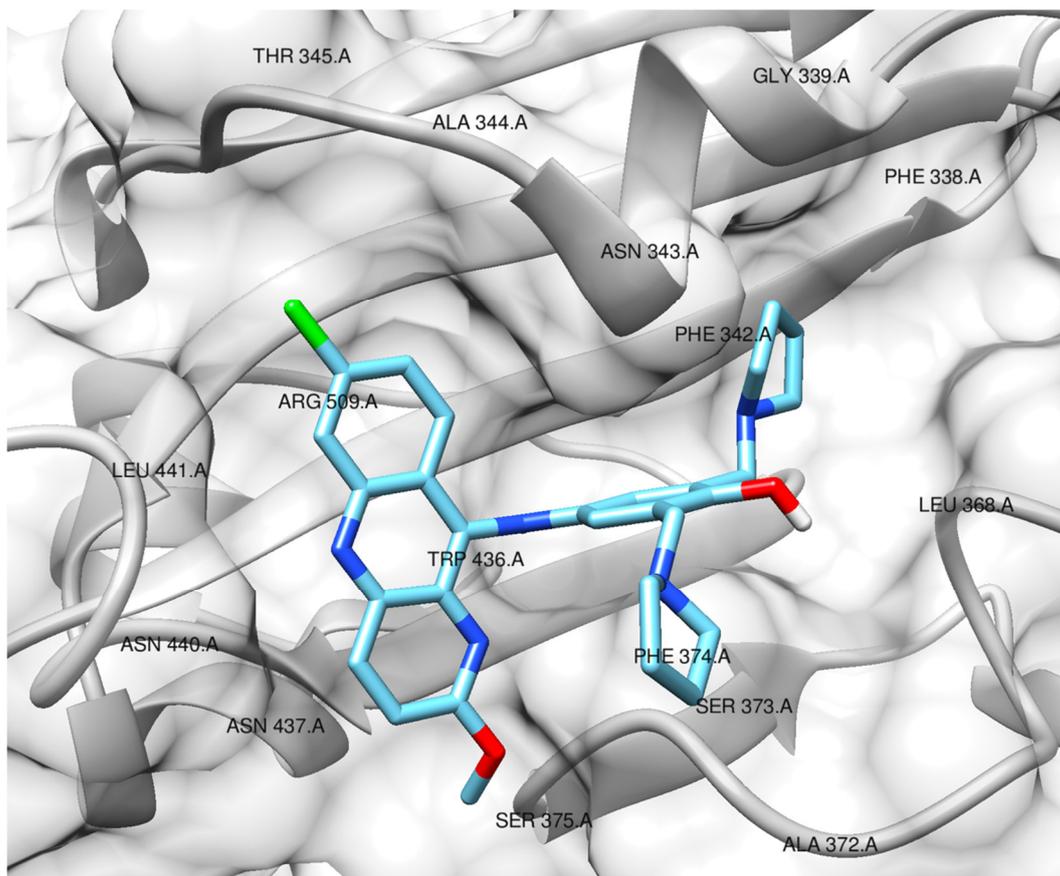
**Figure S5.** Detailed view of the predicted interaction motif of curcumin with RBD.



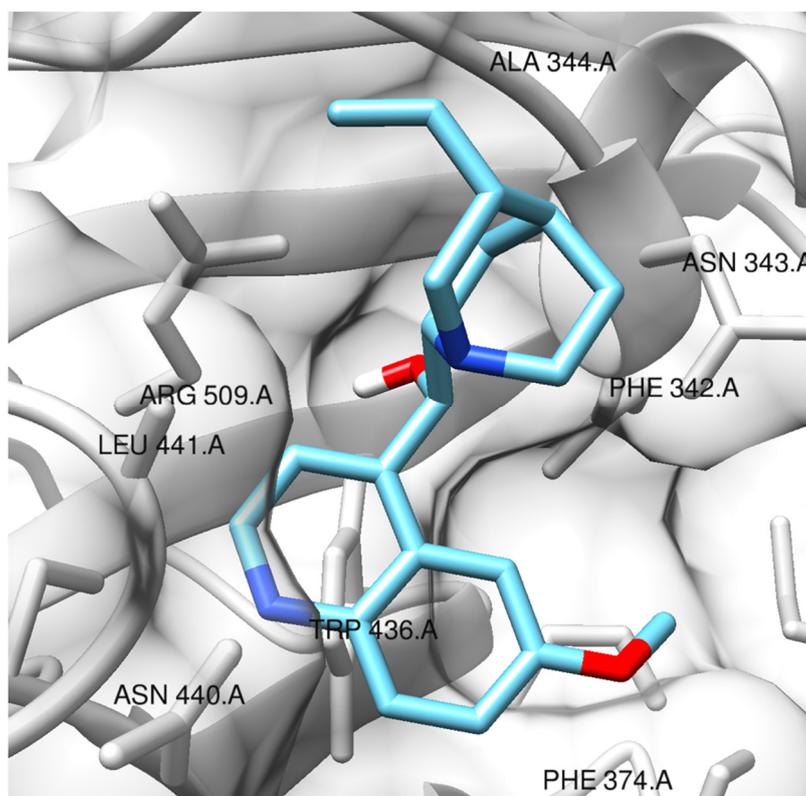
**Figure S6.** Detailed view of the predicted interaction motif of mefloquine with RBD.



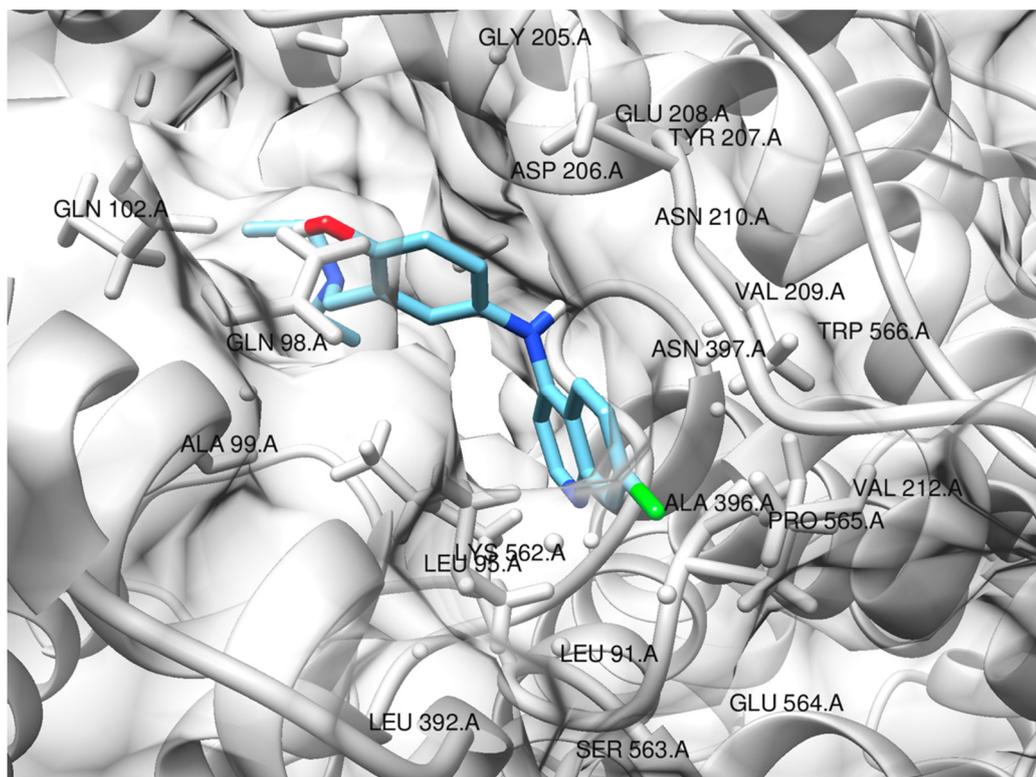
**Figure S7.** Detailed view of the predicted interaction motif of methylene blue with RBD.



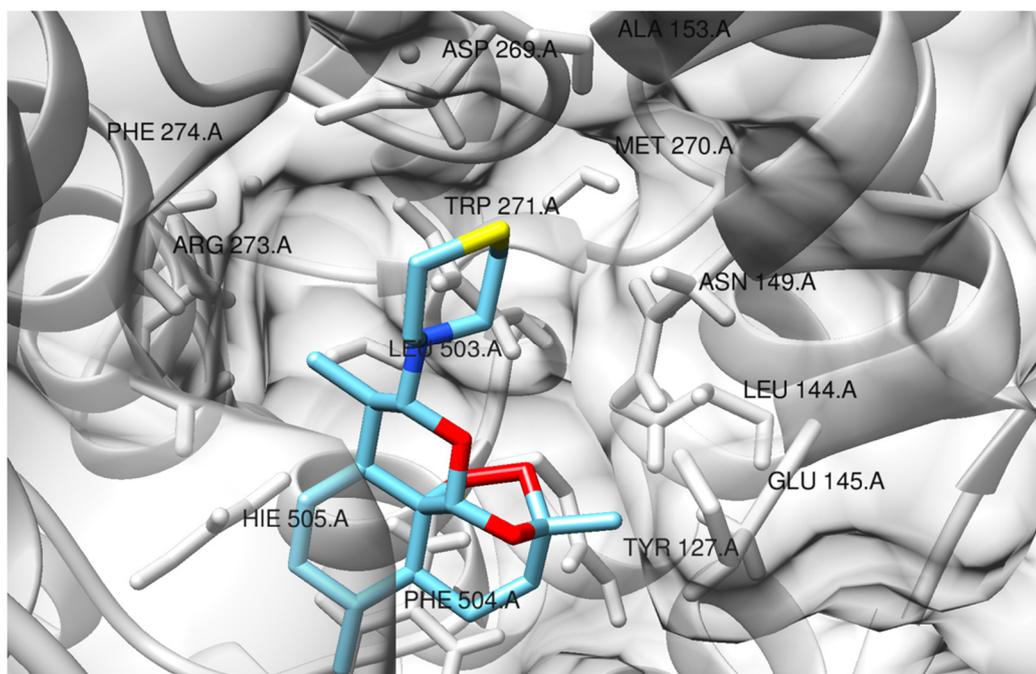
**Figure S8.** Detailed view of the predicted interaction motif of pyronaridine with RBD.



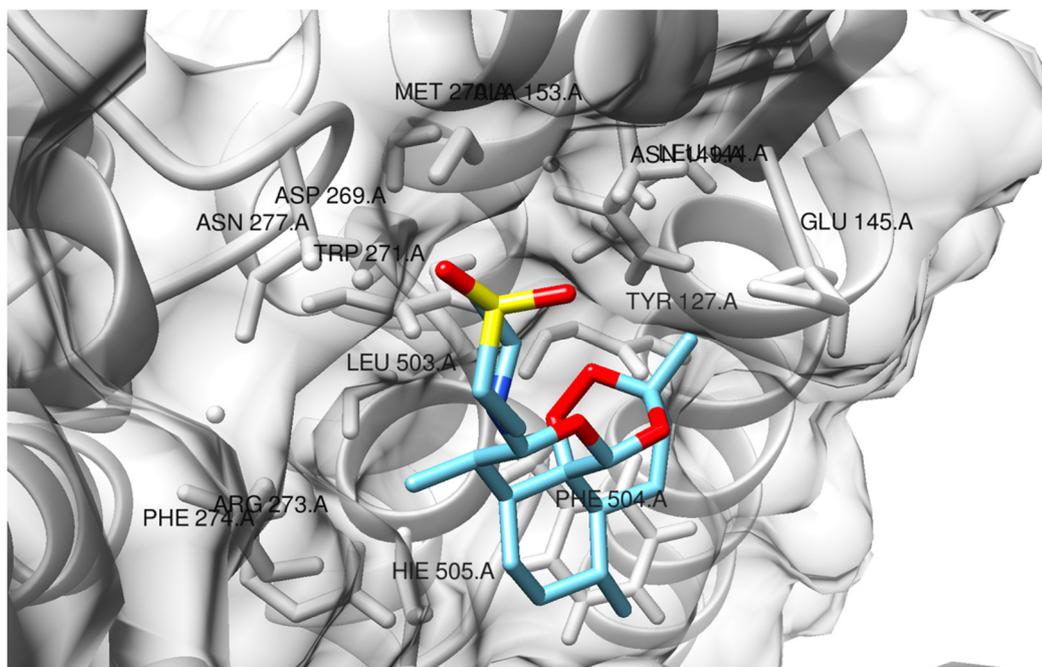
**Figure S9.** Detailed view of the predicted interaction motif of quinine with RBD.



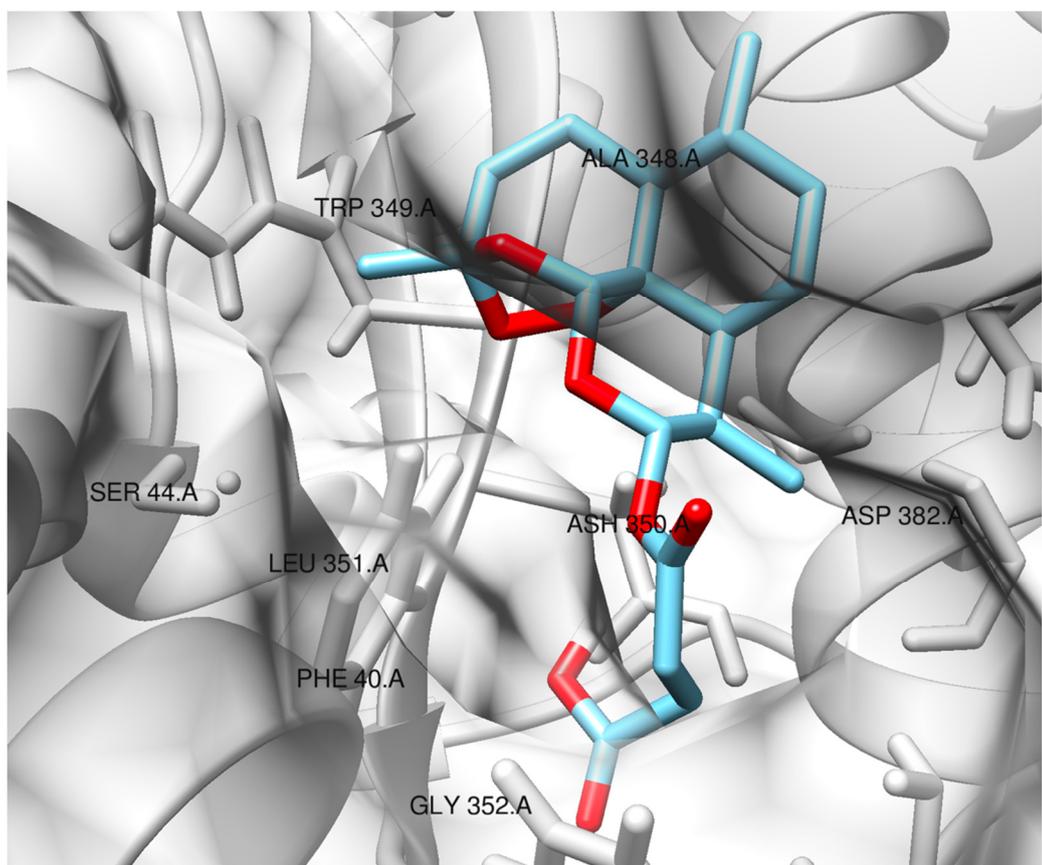
**Figure S10.** Detailed view of the predicted interaction motif of amodiaquine with ACE2.



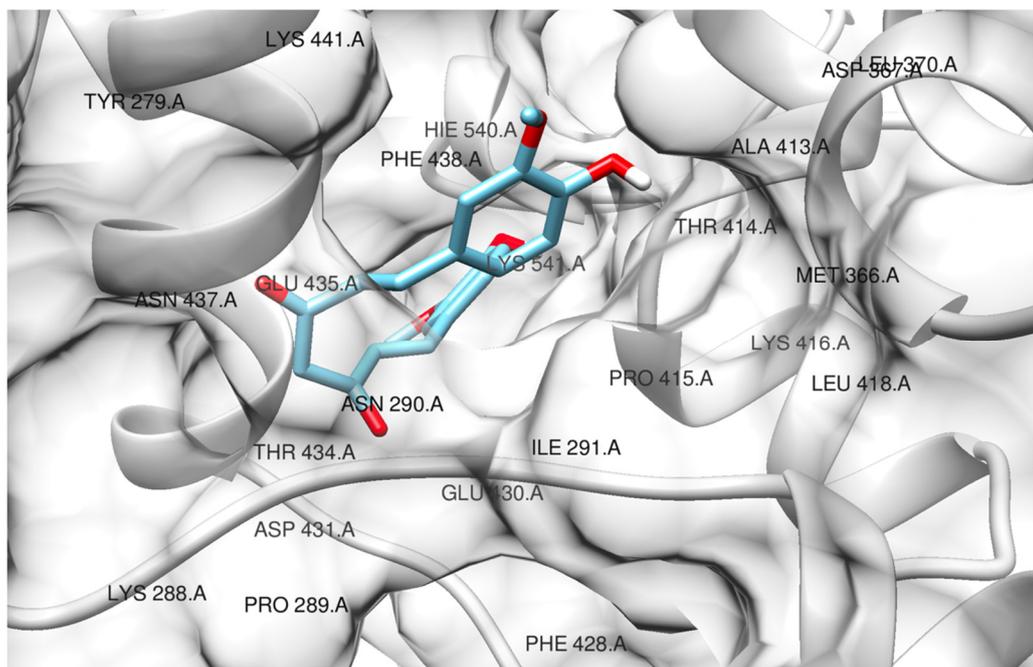
**Figure S11.** Detailed view of the predicted interaction motif of artemiside with ACE2.



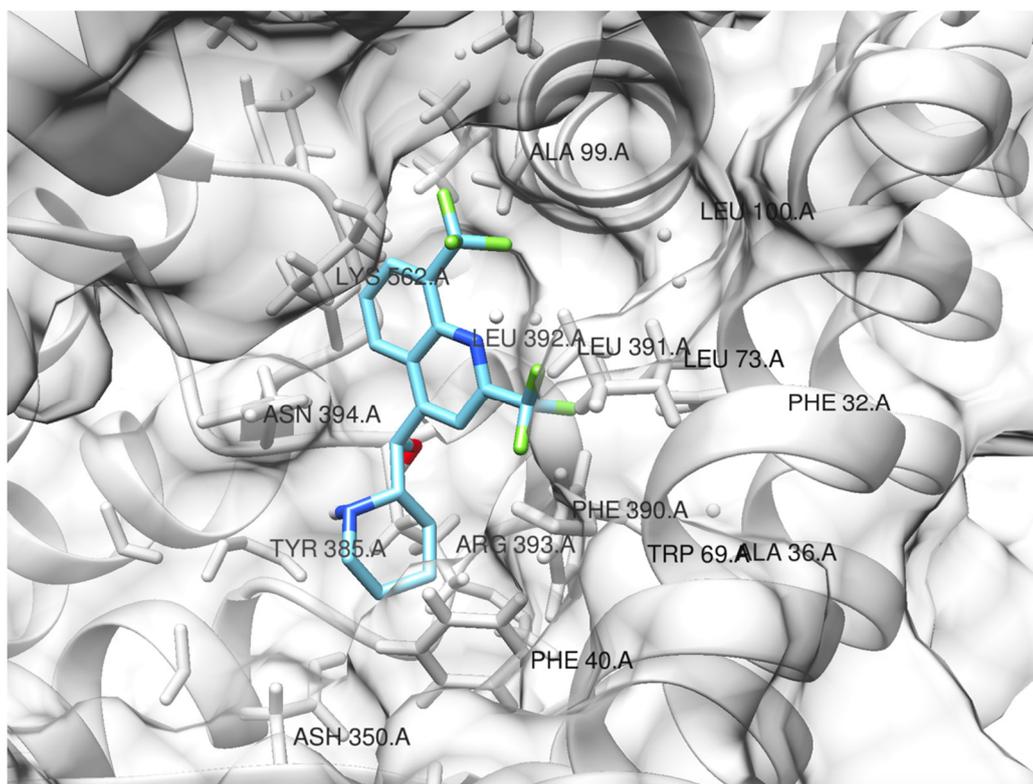
**Figure S12.** Detailed view of the predicted interaction motif of artemisone with ACE2.



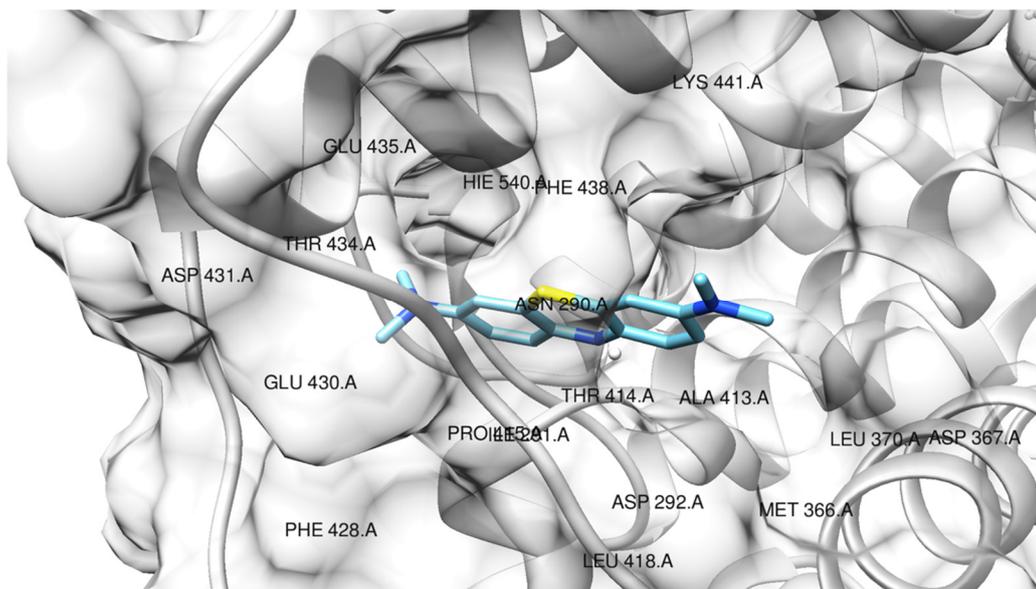
**Figure S13.** Detailed view of the predicted interaction motif of artesunate with ACE2.



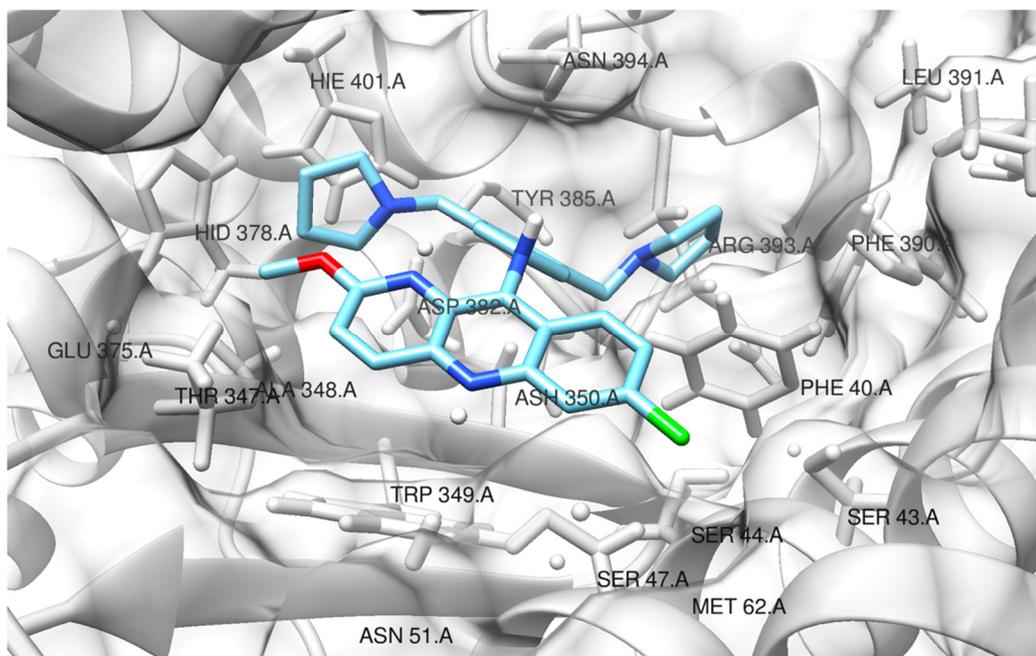
**Figure S14.** Detailed view of the predicted interaction motif of curcumin with ACE2.



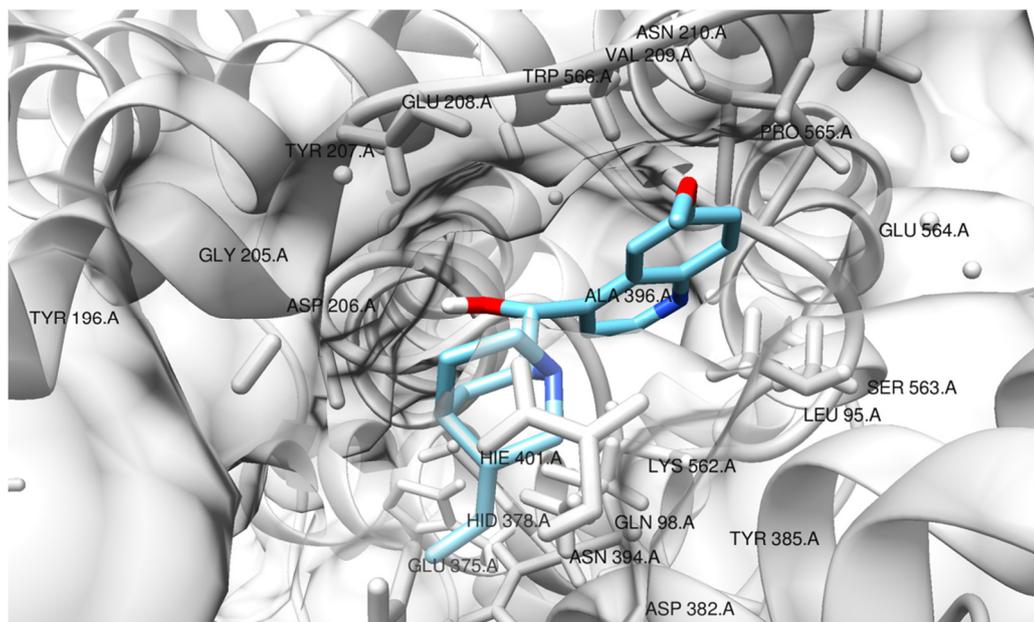
**Figure S15.** Detailed view of the predicted interaction motif of mefloquine with ACE2.



**Figure S16.** Detailed view of the predicted interaction motif of methylene blue with ACE2.



**Figure S17.** Detailed view of the predicted interaction motif of pyronaridine with ACE2.



**Figure S18.** Detailed view of the predicted interaction motif of quinine with ACE2.

Bio-layer interferometry

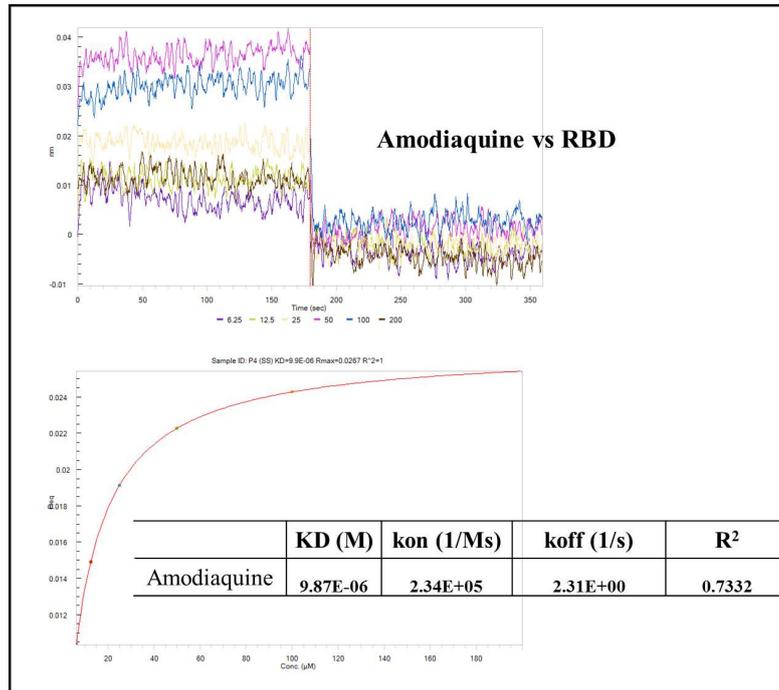


Figure S19. Bio-layer interferometry study for the interaction of amodiaquine with RBD.

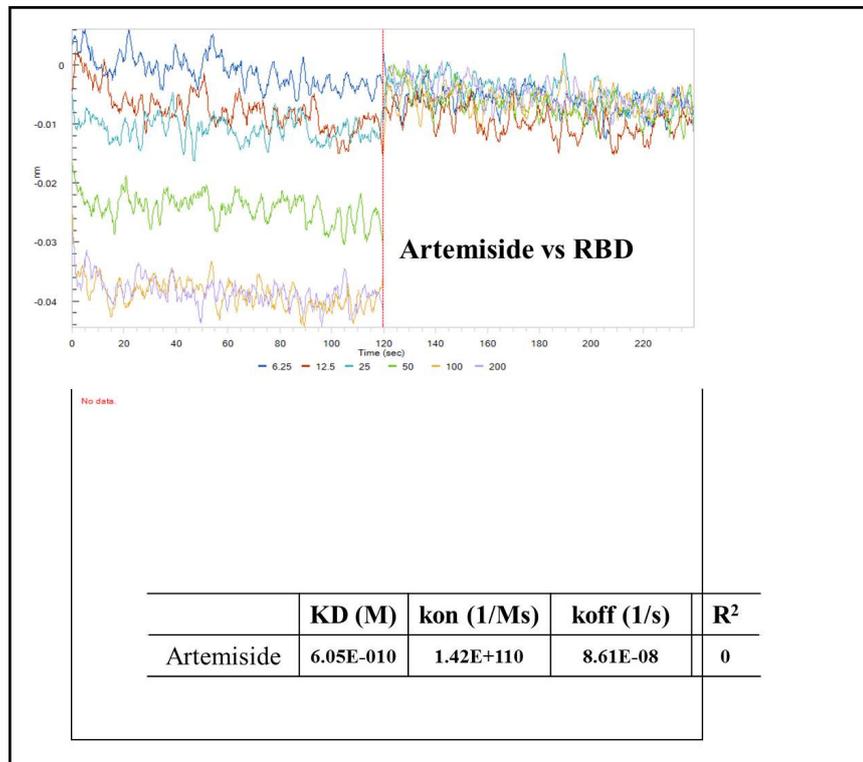
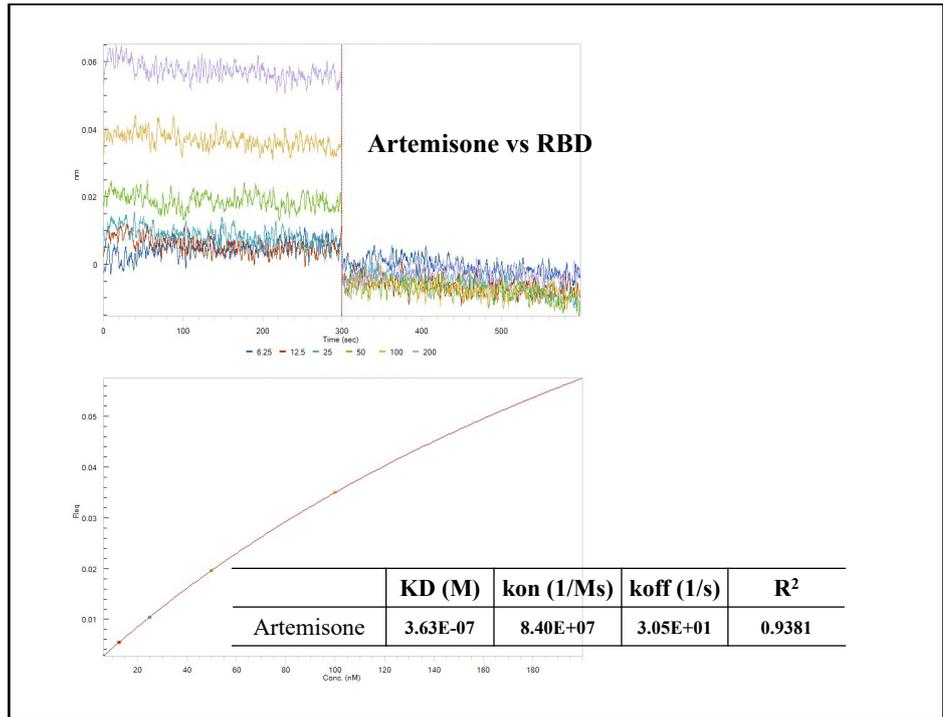
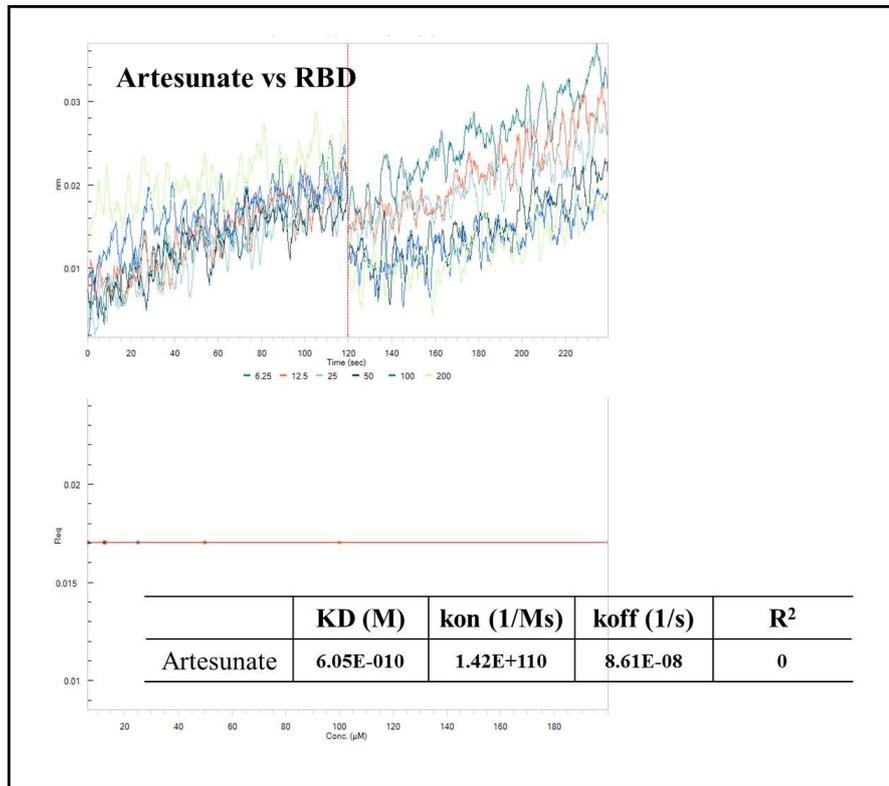


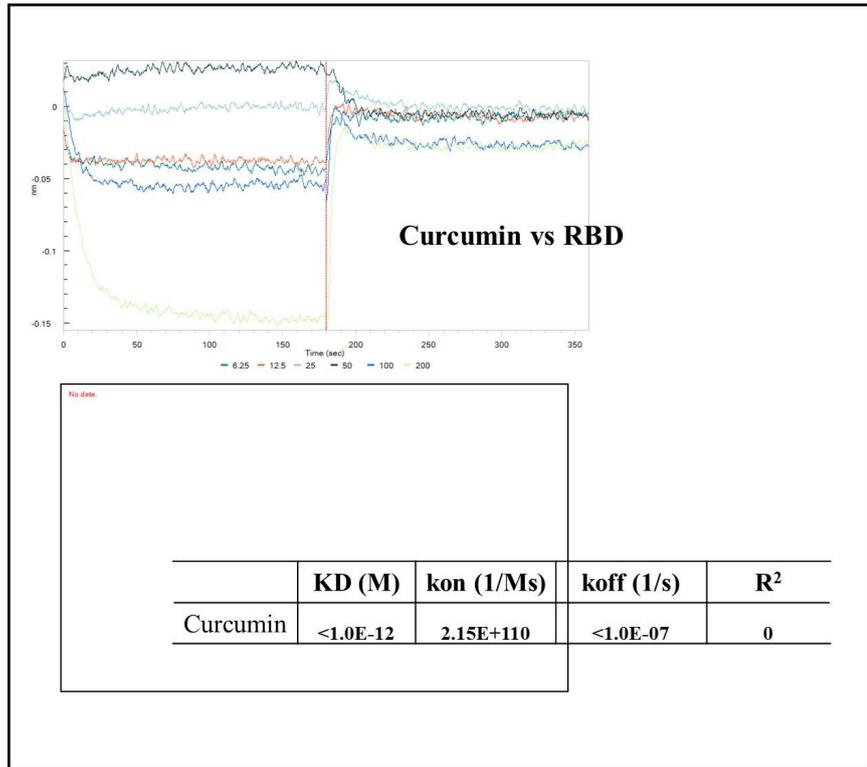
Figure S20. Bio-layer interferometry study for the interaction of artemiside with RBD.



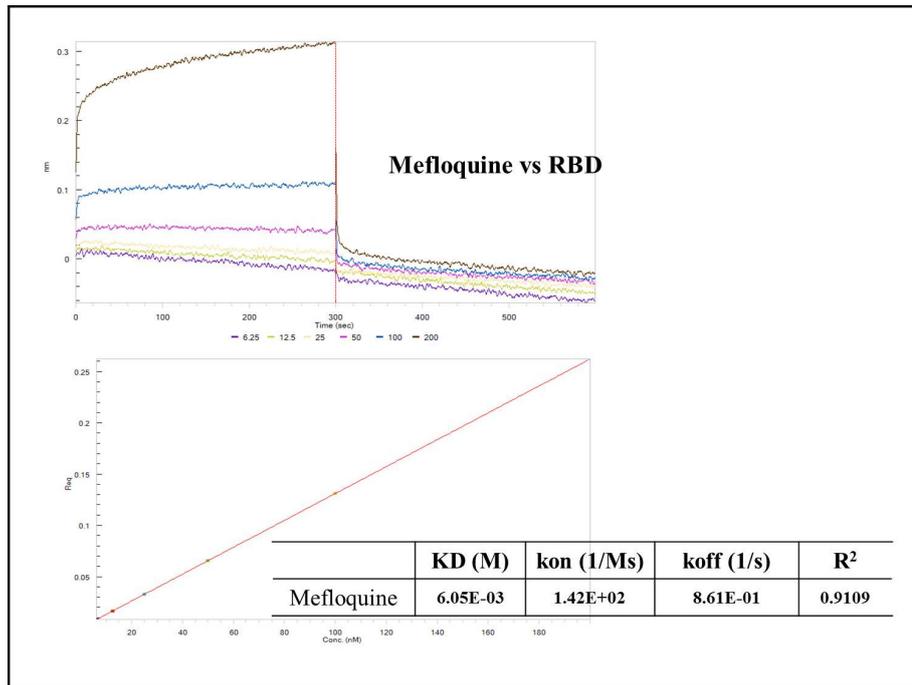
**Figure S21.** Bio-layer interferometry study for the interaction of artemisone with RBD.



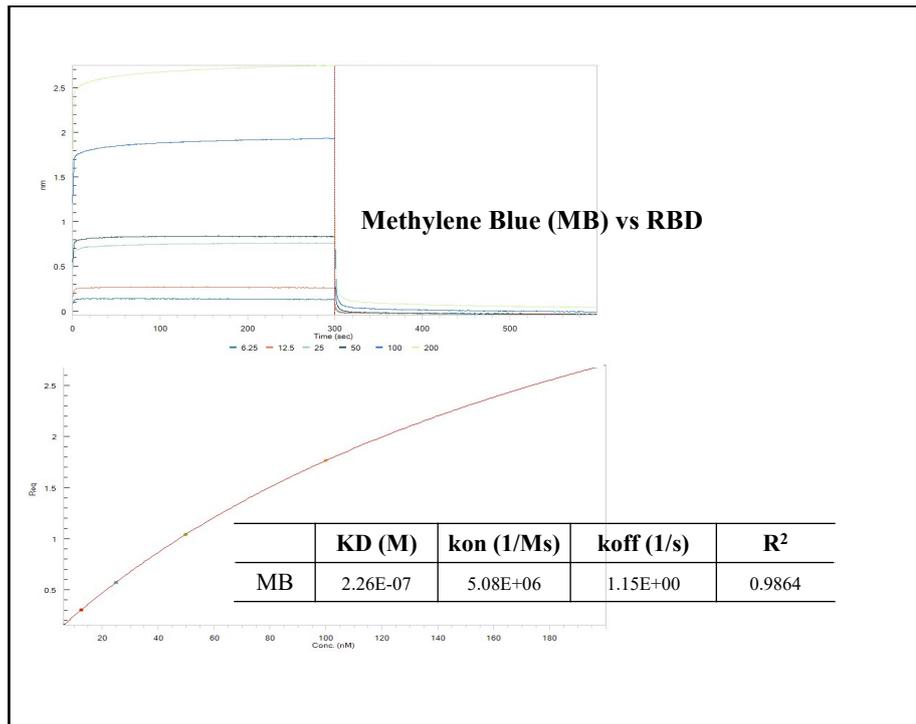
**Figure S22.** Bio-layer interferometry study for the interaction of artesunate with RBD.



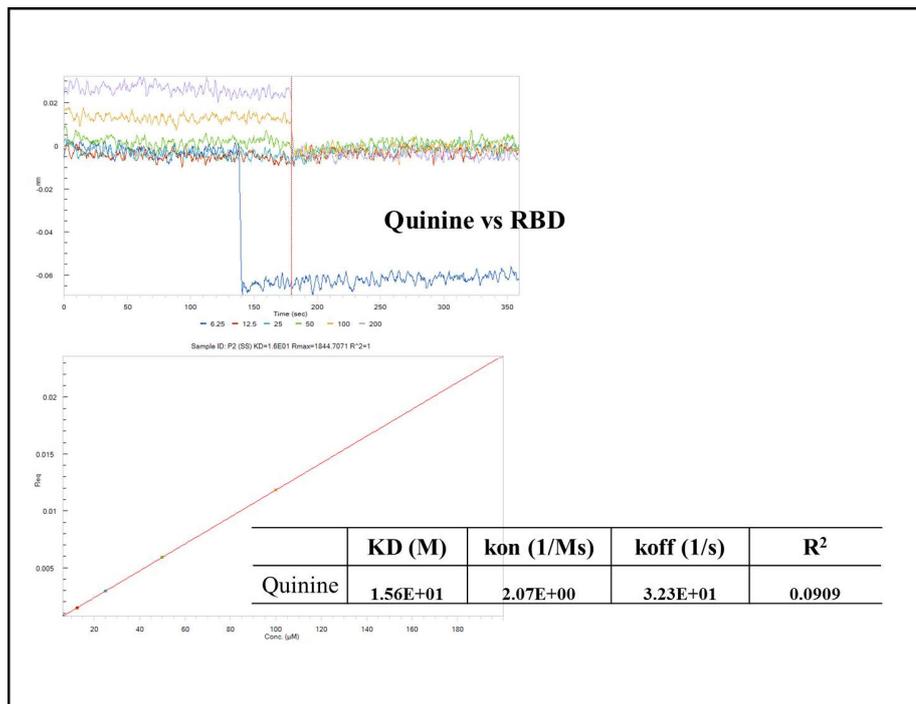
**Figure S23.** Bio-layer interferometry study for the interaction of curcumin with RBD.



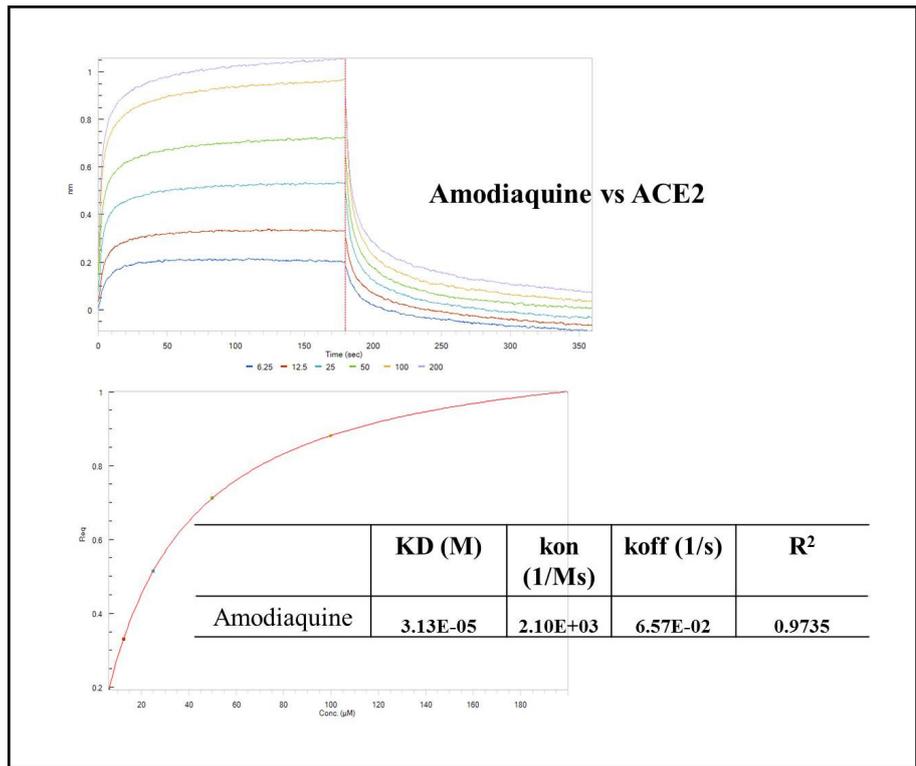
**Figure S24.** Bio-layer interferometry study for the interaction of mefloquine with RBD.



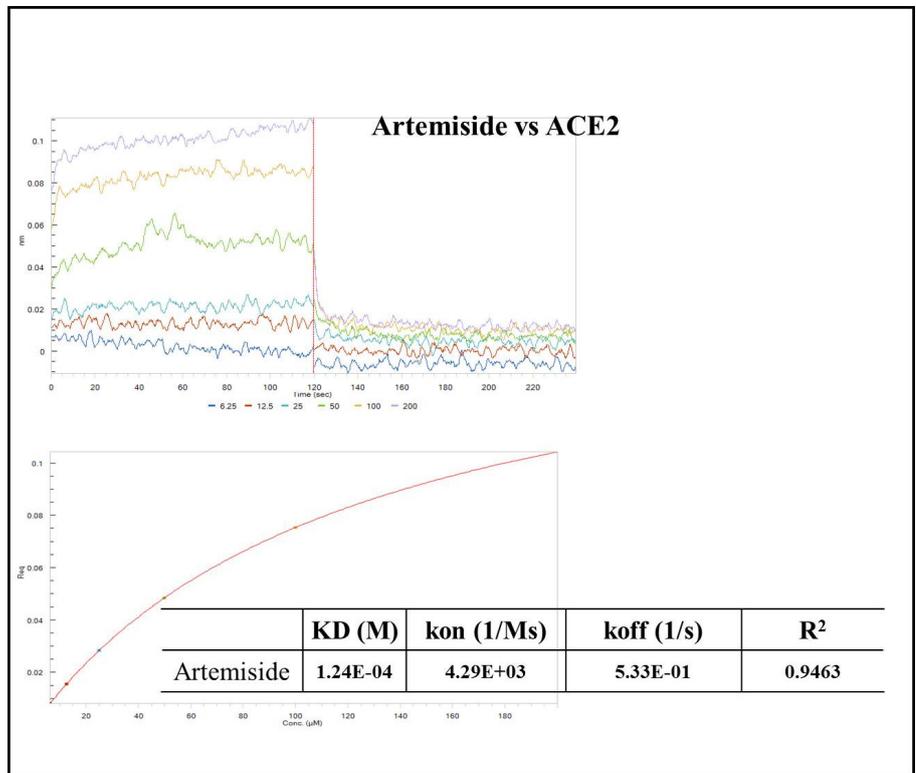
**Figure S25.** Bio-layer interferometry study for the interaction of methylene blue with RBD.



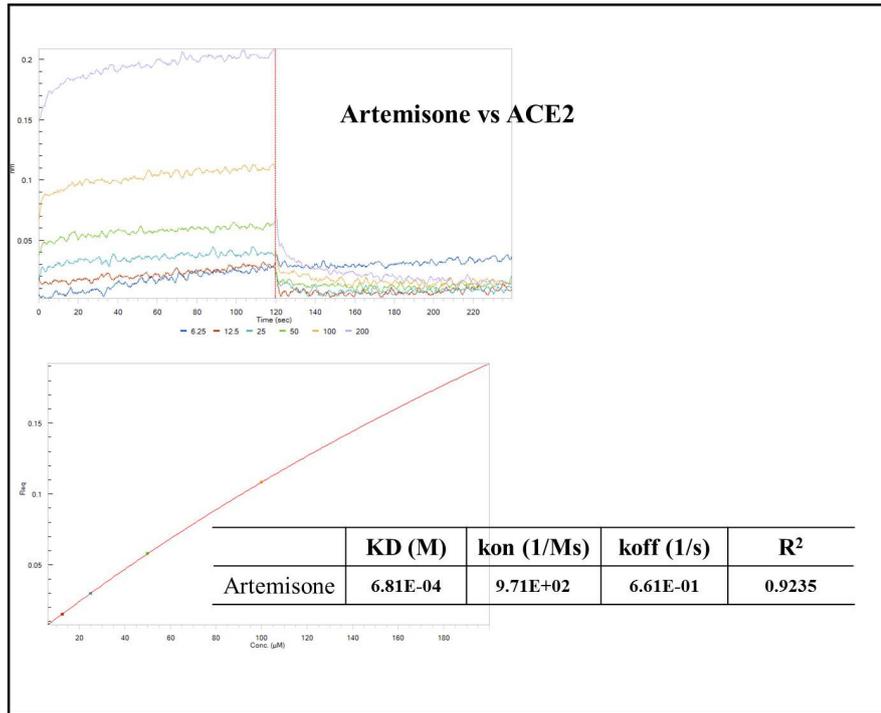
**Figure S26.** Bio-layer interferometry study for the interaction of quinine with RBD.



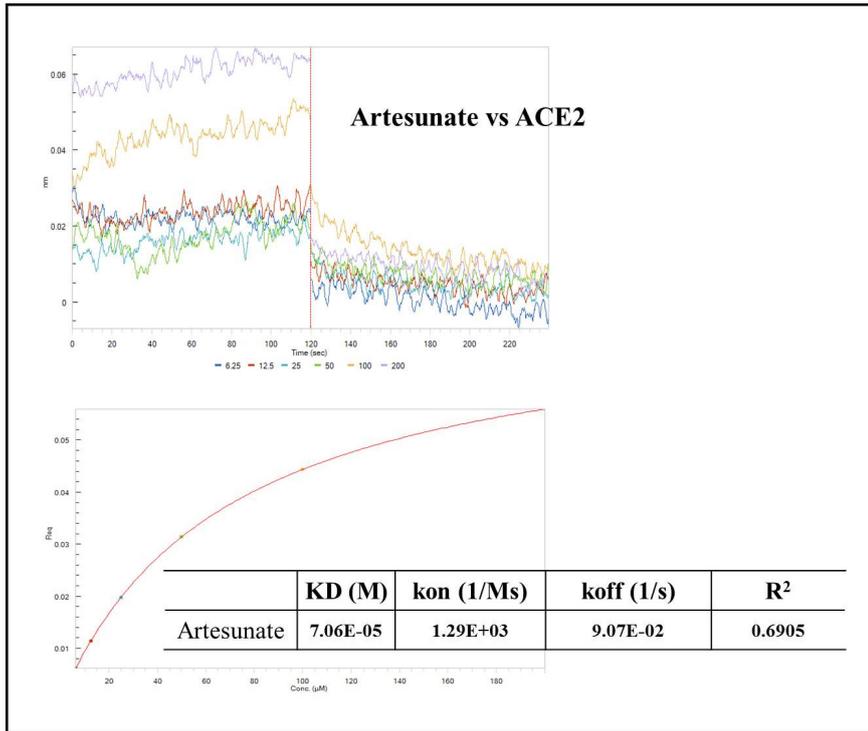
**Figure S27.** Bio-layer interferometry study for the interaction of amodiaquine with ACE2.



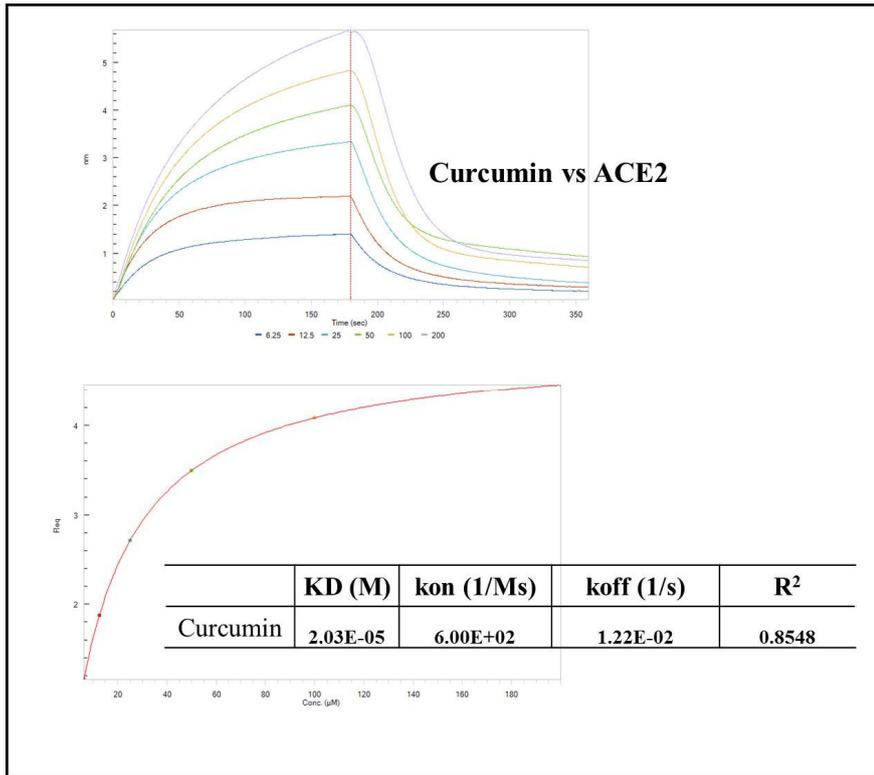
**Figure S28.** Bio-layer interferometry study for the interaction of artemiside with ACE2.



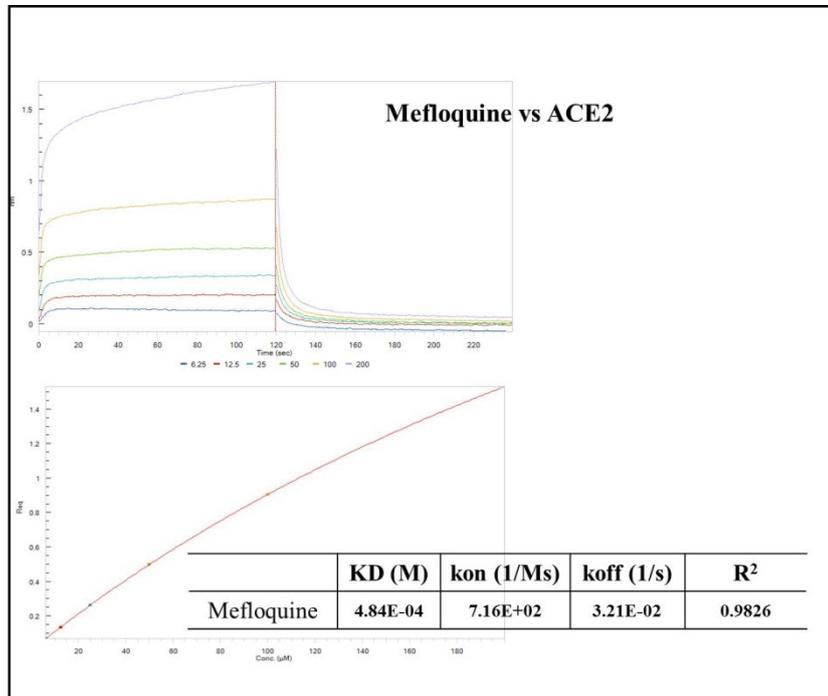
**Figure S29.** Bio-layer interferometry study for the interaction of artemisone with ACE2.



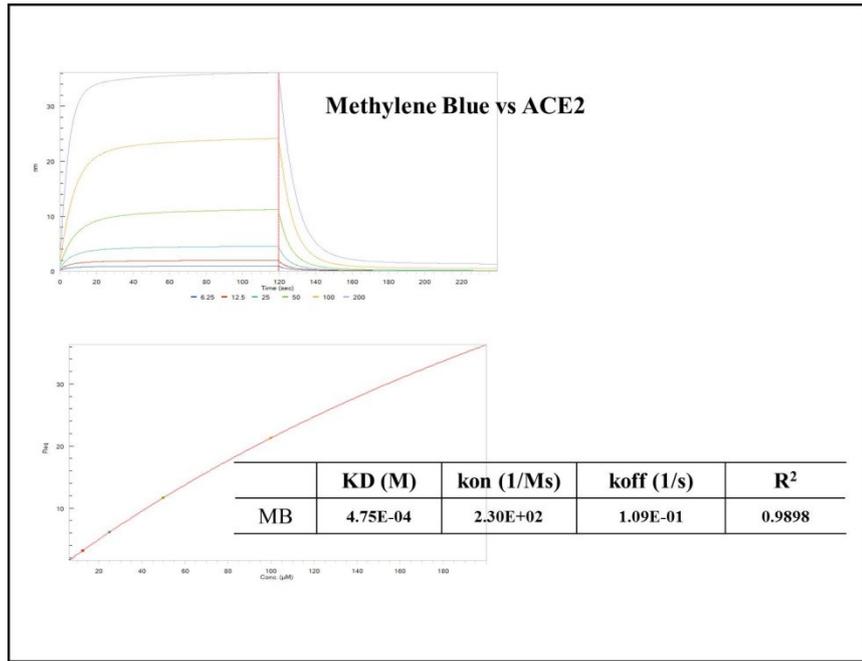
**Figure S30.** Bio-layer interferometry study for the interaction of artesunate with ACE2.



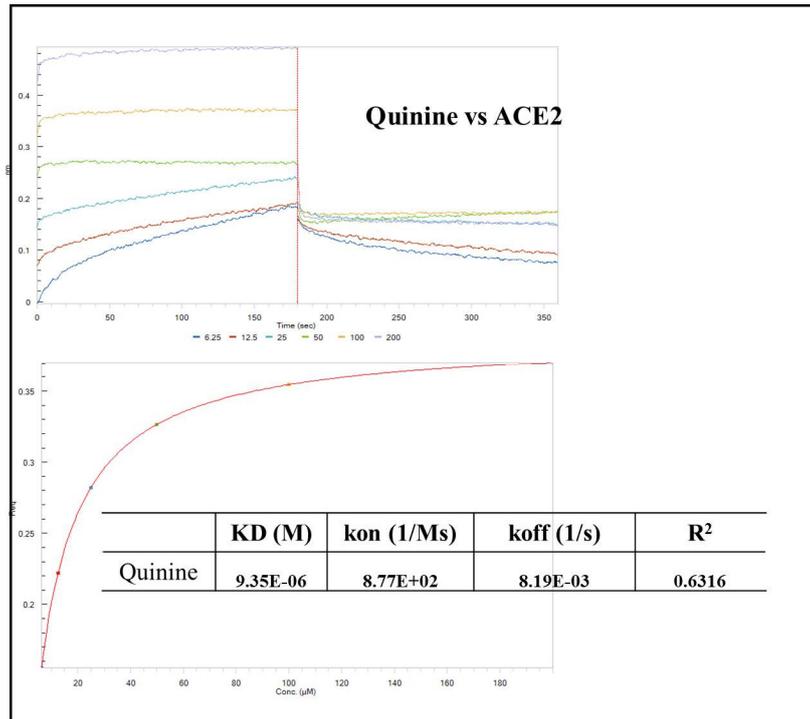
**Figure S31.** Bio-layer interferometry study for the interaction of curcumin with ACE2.



**Figure S32.** Bio-layer interferometry study for the interaction of mefloquine with ACE2.



**Figure S33.** Bio-layer interferometry study for the interaction of methylene blue with ACE2.



**Figure S34.** Bio-layer interferometry study for the interaction of quinine with ACE2.