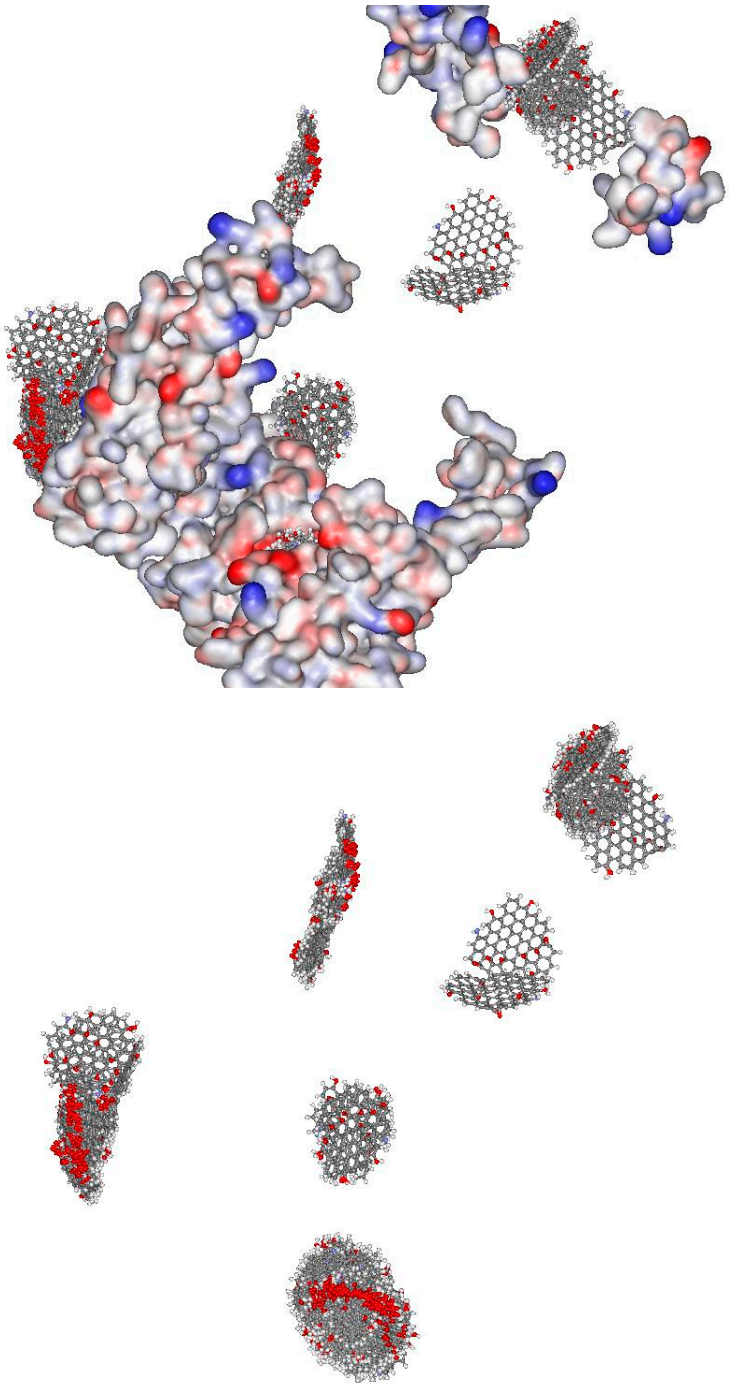

Fig. S1 Distribution of NH_2-OH-CQD in SARS-CoV-2 S-protein obtained by molecular docking. interaction with three branches of COVID-19 S protein (Up)and distributed CQDs (down)

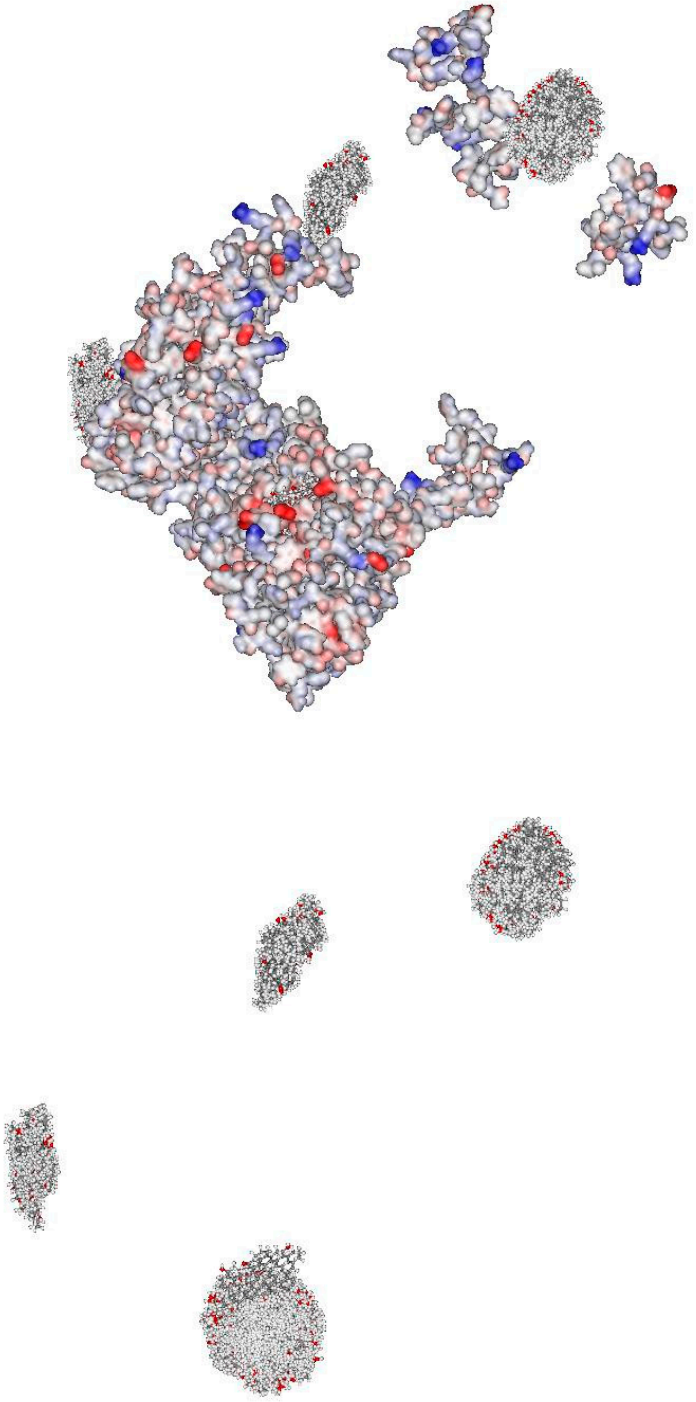

Fig. S2 Distribution of OH-CQD in SARS-CoV-2 S-protein obtained by molecular docking. interaction with three branches of COVID-19 S protein (Up)and distributed CQDs (down)

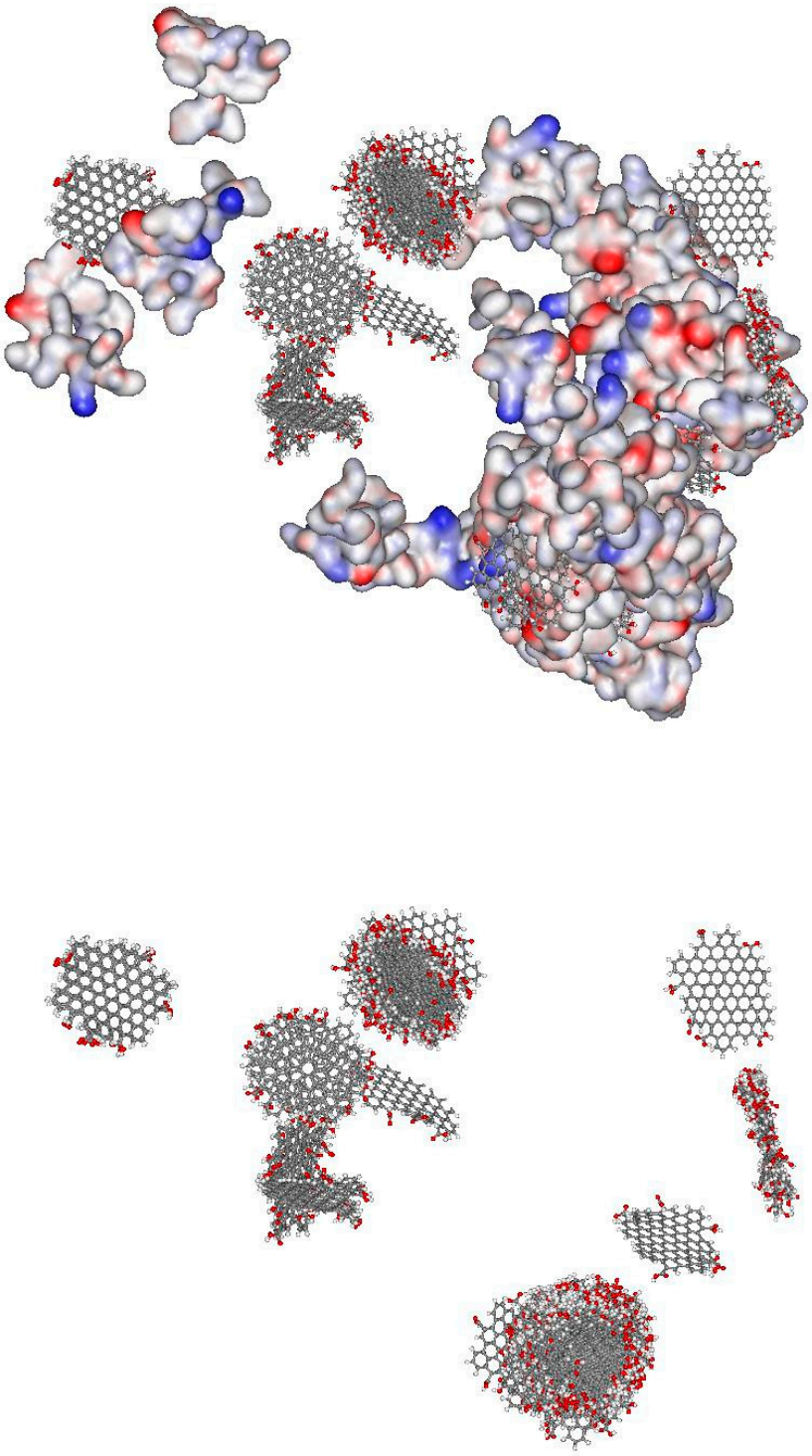

Fig. S3 Distribution of COOH-CQD in SARS-CoV-2 S-protein obtained by molecular docking. interaction with three branches of COVID-19 S protein (Up)and distributed CQDs (down)

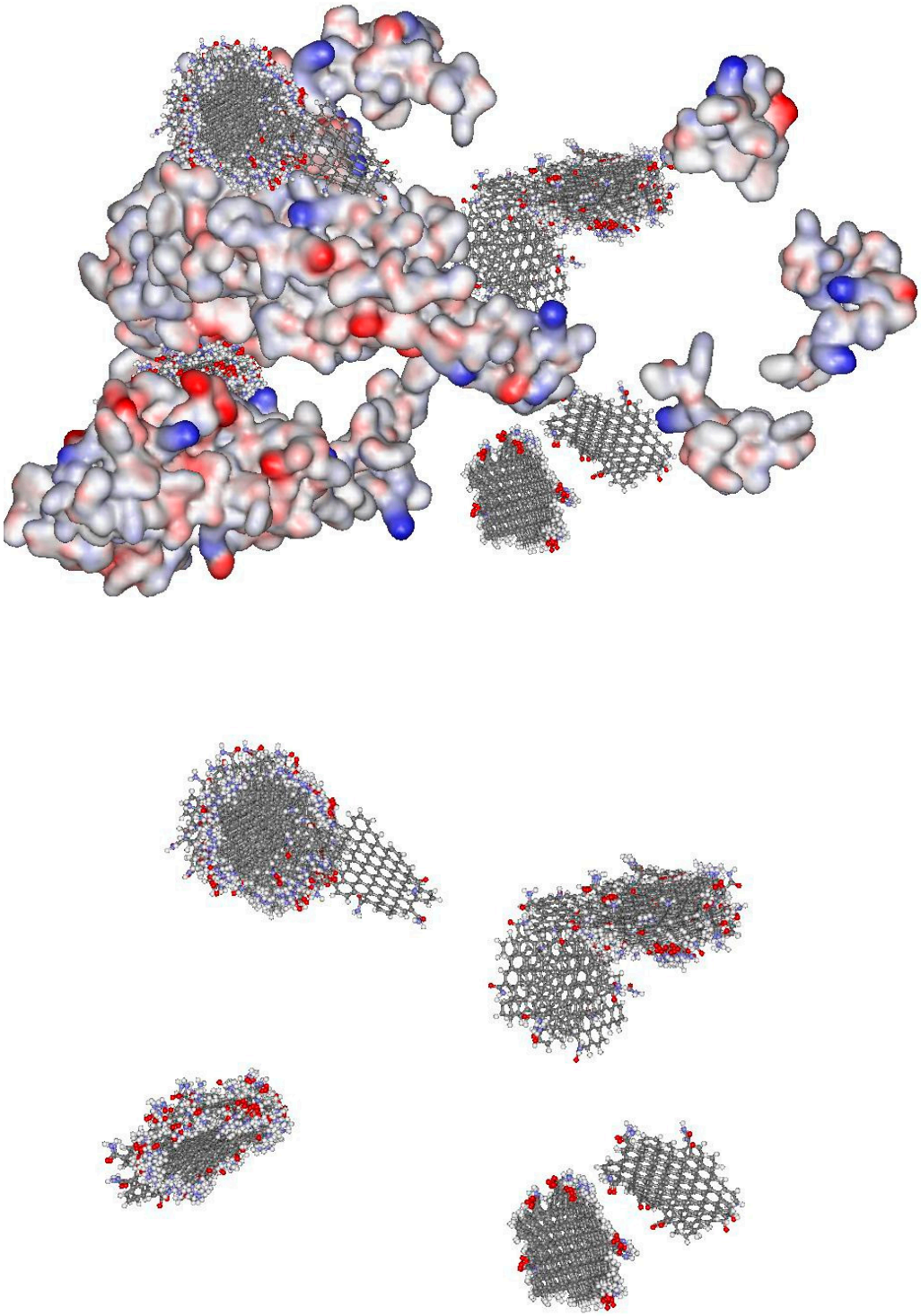

Fig. S4 Distribution of Amide-CQD in SARS-CoV-2 S-protein obtained by molecular docking. interaction with three branches of COVID-19 S protein (Up)and distributed CQDs (down)

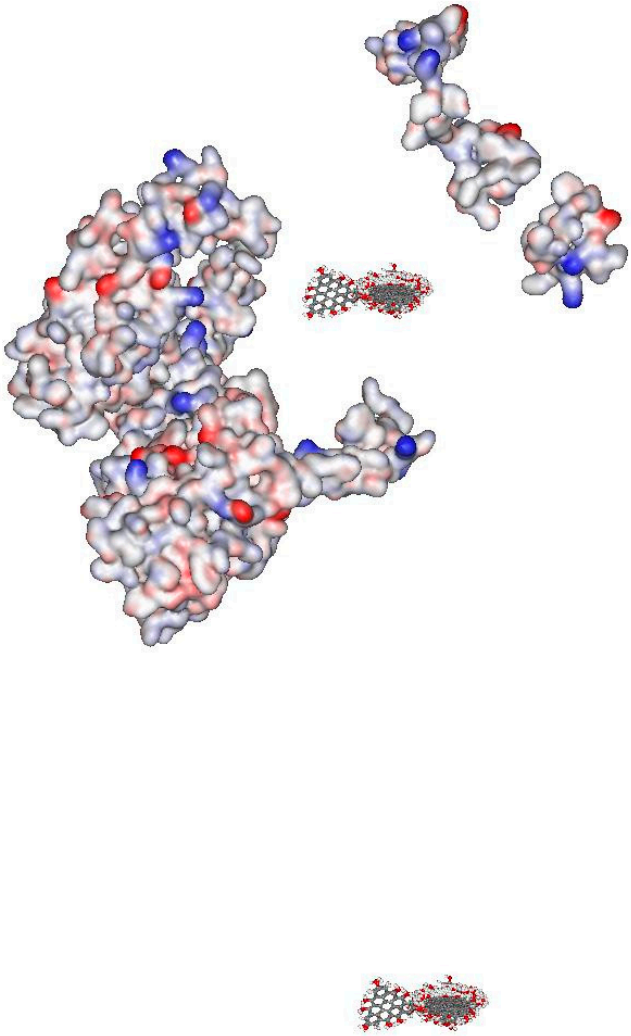

Fig. S5 Distribution of Carbon nano-flake THG1 in SARS-CoV-2 S-protein obtained by molecular docking. interaction with three branches of COVID-19 S protein (Up)and distributed CQDs (down).

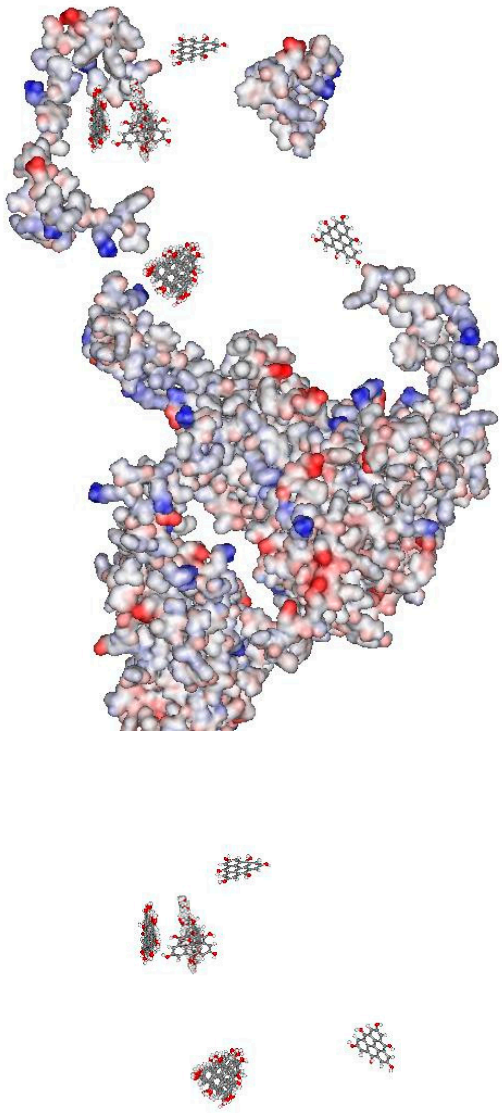

Fig. S6 Distribution of Carbon nano-flake THG2 in SARS-CoV-2 S-protein obtained by molecular docking. interaction with three branches of COVID-19 S protein (Up)and distributed CQDs (down).

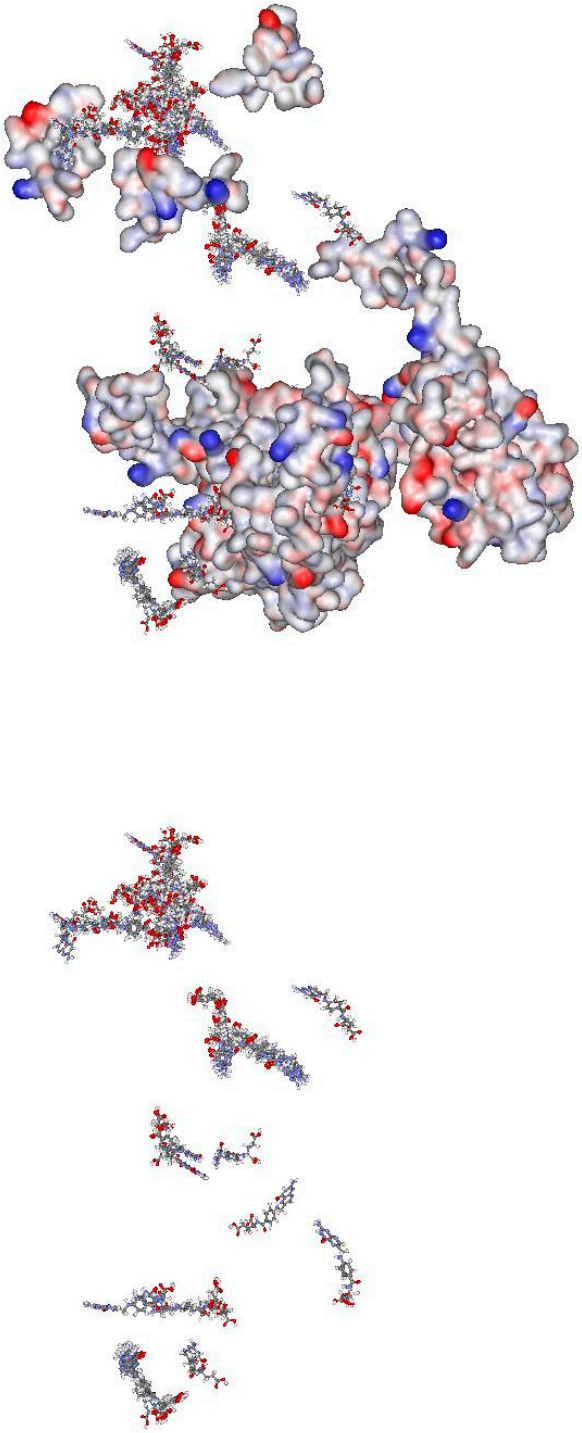

Fig. S7 Interaction of SARS-CoV-2 S-protein with Folic Acid using molecular docking. interaction with three branches of COVID-19 S protein (Up)and distributed CQDs (down).

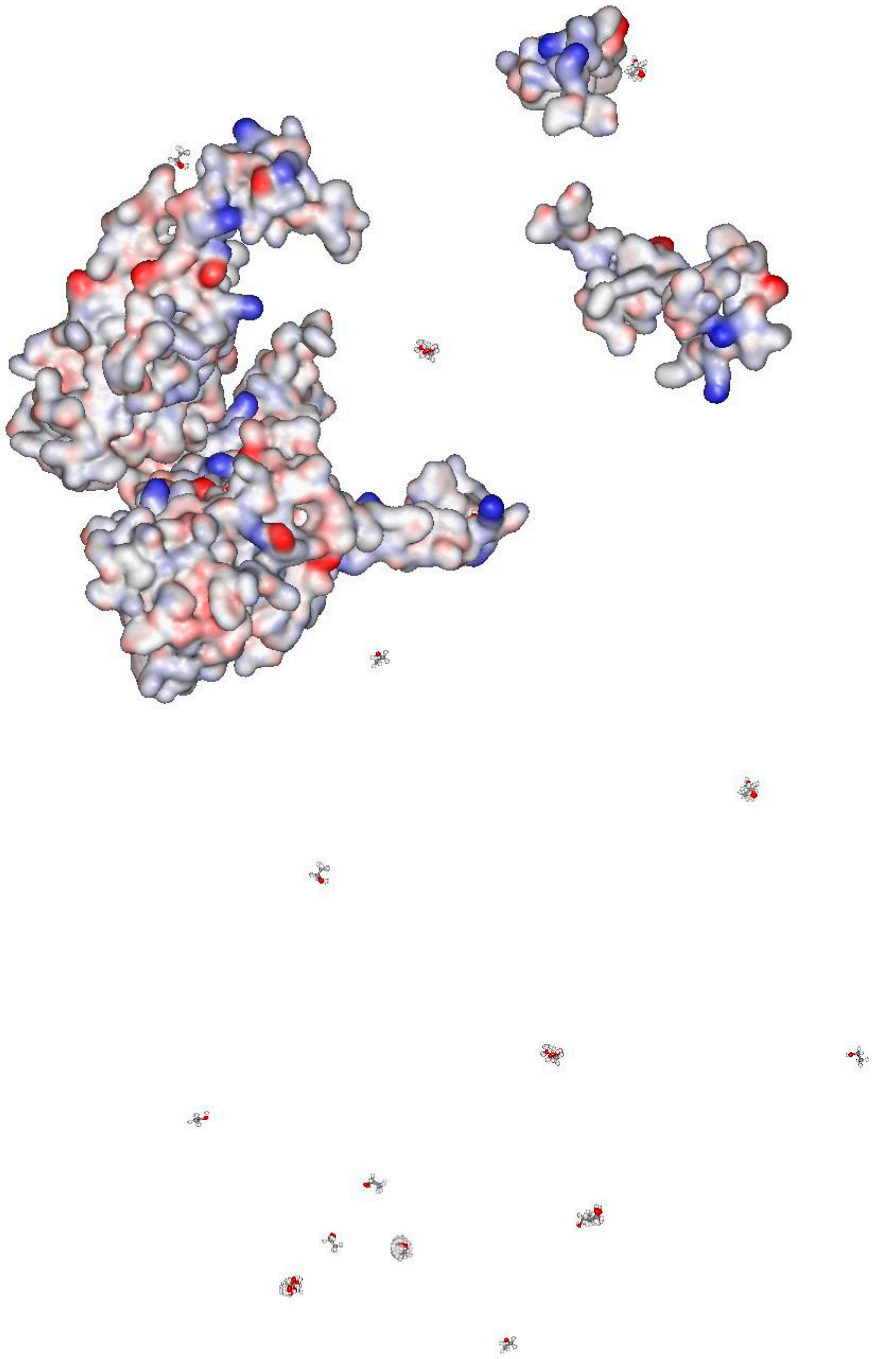

Fig. S8 Distribution of EtOH in SARS-CoV-2 S-protein obtained by molecular docking. interaction with three branches of COVID-19 S protein (Up)and distributed CQDs (down)

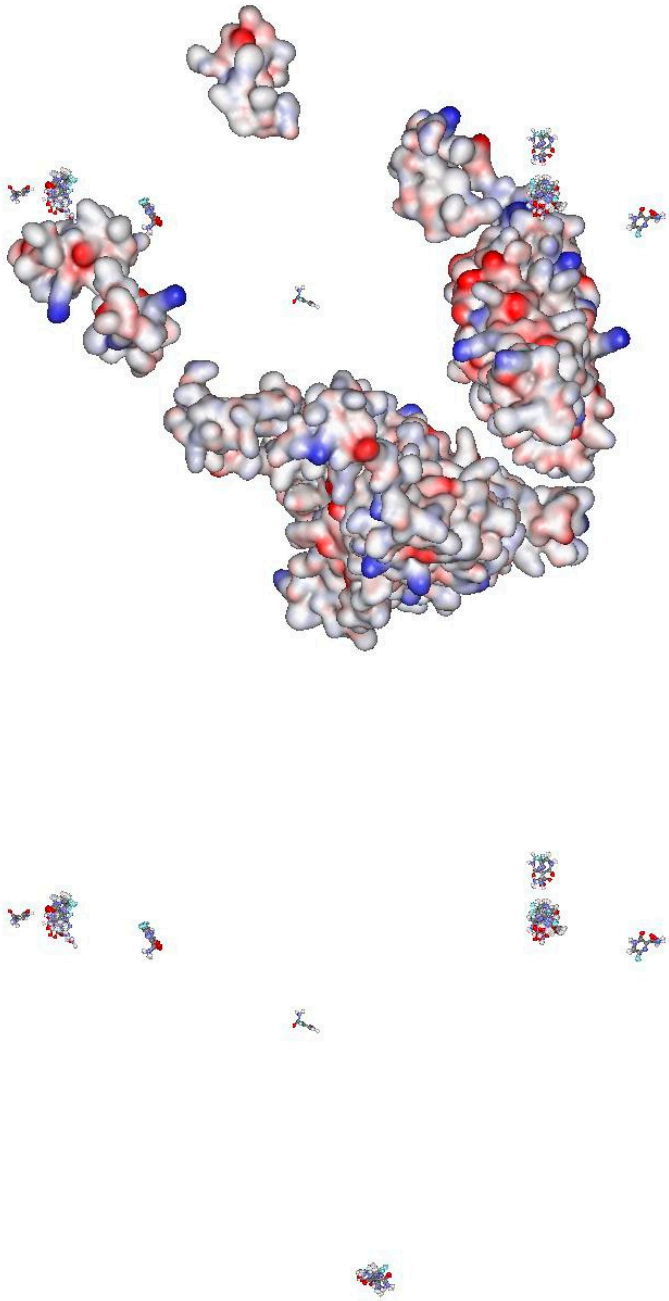

Fig. S9 Distribution of Favipiravir in SARS-CoV-2 S-protein obtained by molecular docking. interaction with three branches of COVID-19 S protein (Up)and distributed CQDs (down).