Claims

1. A pharmaceutical composition comprising hydroxychloroquine or a pharmaceutically acceptable salt thereof, and a solvent, wherein the pharmaceutical composition comprises 1 mg/mL to 400 mg/mL hydroxychloroquine or a pharmaceutically acceptable salt thereof, wherein the solvent is selected from propylene glycol, glycerine, propane-1,3-diol and water or combinations thereof and wherein the pharmaceutical composition is for thermal aerosolization.
2. A pharmaceutical composition according to claim 1 comprising 1 mg/mL to 110 mg/mL hydroxychloroquine or a pharmaceutically acceptable salt thereof.
3. The pharmaceutical composition according to claim 1 or 2, comprising 20 mg/mL to 105 mg/mL, preferably 40 mg/mL to 100 mg/mL, more preferably 60 mg/mL to 90 mg/mL of hydroxychloroquine or a pharmaceutically acceptable salt thereof.
4. The pharmaceutical composition according to any one of claims 1 to 3, wherein the pharmaceutical composition is thermally aerosolized.
5. Use of a pharmaceutical composition comprising hydroxychloroquine or a pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment or prevention of a viral lung infection, wherein the pharmaceutical composition is to be administered by oral inhalation.
6. The use according to claim 5, wherein the viral lung infection is caused by *Betacoronavirus*, for example, 2019-nCoV (coronavirus), SARS-CoV and Middle East respiratory syndrome CoV (MERS-CoV).
7. The use according to claims 5 to 6, wherein the pharmaceutical composition is to be administered as a daily dose.
8. The use according to claim 7, wherein the daily dose comprises 0.01 mg to 50 mg, preferably 0.05 mg to 40 mg, preferably 0.1 mg to 30 mg, preferably 0.5 mg to 20 mg, preferably 1 to 10 mg, or preferably 1.5 mg to 5 mg of hydroxychloroquine or a pharmaceutically acceptable salt thereof.
9. The use according to claim 7 or 8, wherein the daily dose is selected from a loading dose, a maintenance dose or combinations thereof.
10. The use according to claim 9, wherein the loading dose comprises 5 mg to 50 mg, 6 mg to 45 mg, 7 mg to 40 mg, 8 mg to 35 mg, 9 mg to 30 mg, 10 mg to 25 mg of hydroxychloroquine or a pharmaceutically acceptable salt thereof.
11. The use according to claim 9, wherein the maintenance dose comprises 0.01 mg to

15 mg, 0.05 mg to 12 mg, 0.01 mg to 10 mg, 0.5 mg to 8 mg, 1 to 6 mg, 1.5 mg to 5 mg of hydroxychloroquine or a pharmaceutically acceptable salt thereof.

12. The use according to claims 9 to 11, wherein at least one loading dose is followed by at least one maintenance dose.
13. The use according to any one of claims 7 to 12, wherein the daily dose is to be administered in at least one session.
14. The use according to claims 7 to 13 wherein the daily dose is to be administered in at least two sessions separated by intervals of twelve hours, ten hours, eight hours, seven hours, or six hours.
15. The use according to claims 13 to 14, wherein the session comprises at least one fixed dose.
16. The use according to claim 15, wherein the fixed dose is a metered dose.
17. The use according to any of claims 5 to 16, wherein the pharmaceutical composition is to be administered as a liquid aerosol.
18. The use according to claim 17, wherein the Mass Median Aerodynamic Diameter (MMAD) of the liquid aerosol is 1 to 5 µm.
19. The use according to claim 5 or 18, wherein the pharmaceutical composition is thermally aerosolized.
20. The use according to claims 5 to 19, wherein the treatment or prevention is in a mammalian or avian subject.
21. The use according to claim 20, wherein the mammalian subject is human.
22. The use according to any of claims 20 to 21, wherein the subject is at risk of having COVID-19.
23. The use according to any of claims 20 to 21, wherein the subject shows symptoms of having COVID-19.
24. The use according to any of claims 20 to 21, wherein the subject is COVID-19 positive, for example, confirmed by PCR testing.