

# How Do Possible Treatments for SARS-CoV-2 Work?



## There is no treatment

At the moment there is no specific treatment for SARS-CoV-2.



## Testing existing drugs

To save time, the scientific community has decided to test existing and approved drugs that may have an effect on SARS-CoV-2.



## A worldwide clinical trial

WHO has launched SOLIDARITY, a global clinical trial to test the efficacy of what it considers to be the four most promising existing treatments.



## The mechanisms of action for the treatments being tested by WHO:

### BLOCK THE VIRUS FROM ENTERING THE CELL

#### Chloroquine or hydroxychloroquine

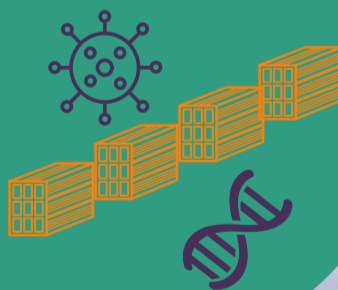


Old antimalarial drugs that are no longer used because the parasite that causes malaria has developed resistance.

Chloroquine may inhibit the mechanism that the virus uses to enter the cell.

### BLOCK THE SYNTHESIS OF VIRAL RNA

#### Remdesivir



An antiviral that was originally developed for use against the Ebola virus, but did not yield conclusive results.

Remdesivir blocks a viral enzyme necessary for the synthesis of viral RNA.

### BLOCK VIRAL REPLICATION

#### Lopinavir/ritonavir



A combination treatment for HIV.

It inhibits a protein necessary for the assembly of new viral particles. In some trials, this treatment will be combined with interferon beta, which has antiviral properties and may stimulate the immune response against the virus.

