

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 65891

Manuscript Type: MINIREVIEWS

Theory and reality of antivirals against SARS-CoV-2

Zhao B *et al.* Antivirals against SARS-CoV-2

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Afterward, in vitro **antiviral** activity was carried out of five **CBDs** molecules **against SARS-CoV-2**. Interestingly, among them, two CBDs molecules namely Δ^9 -tetrahydrocannabinol (IC₅₀ = 10.25 μ M) and cannabidiol (IC₅₀ = 7.91 μ M) were observed to be more potent **antiviral** molecules **against SARS-CoV-2** compared to the reference drugs lopinavir, chloroquine, and remdesivir (IC₅₀ ranges of 8.16-13.15 μ M).

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Author: Vinit Raj, Jae Gyu Park, Kiu-Hyung Cho, Pilj...

Publish Year: 2021

[PDF] SARS-COV-2 ANTIVIRAL THERAPEUTICS - NIH

https://www.nih.gov/.../initiatives/activ/2020_NIH_Antiviral_Summit_Report_508.pdf

therapies. As **antiviral** drugs are developed, some principles for **SARS-CoV-2 antiviral** development to be considered include: · **Antivirals** should be broadly active for coronaviruses in both in vitro and in vivo models. · Bioavailability of **antivirals** should be sought for multiple routes of administration: IV, oral, inhalational, intranasal, etc.

An Update on Antiviral Therapy Against SARS-CoV-2: How Far ...

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Introduction

Selected Antivirals Repurposing ...

Other Potential Antiviral Drugs



The coronavirus disease of 2019 (COVID-19) pandemic has changed the scenario of the entire world, which has not been seen for a century. Influenza (H1N1 virus) outbreak of Spain that occurred in 1918 was the worst ever hit pandemic in recent history. Now, the current outbreak started in Wuhan, China, has globally spread to 219 countries and territories (WHO, 2020a). Severe acute respiratory syndrome coronavirus (CoV) 2 (SARS-CoV-2), a **large ssRNA virus, is the causative agent of COVID-19, which pri...**