R11. Challenges and future directions of potential natural products leads against 2019-nCoV outbreak

Meirambek Ospanov  
*University of Mississippi*

Francisco León  
*University of South Carolina*

Janar Jenis  
*Al-Farabi Kazakh National University, (Kazakhstan)*

Ikhlas A. Khan  
*University of Mississippi*

Mohamed A. Ibrahim  
*University of Mississippi, mmibrahi@olemiss.edu*

Follow this and additional works at: https://egrove.olemiss.edu/pharm_annual_posters

Part of the Pharmacy and Pharmaceutical Sciences Commons

**Recommended Citation**

https://egrove.olemiss.edu/pharm_annual_posters/11

This Book is brought to you for free and open access by the Pharmacy, School of at eGrove. It has been accepted for inclusion in Annual Poster Session by an authorized administrator of eGrove. For more information, please contact egrove@olemiss.edu.
Challenges and future directions of potential natural products leads against 2019-nCoV outbreak

Meirambek Ospanov1, Francisco Leo2, Janar Jenis3, Ikhlas A. Khan4, Mohamed A. Ibrahim5

1National Center for Natural Products Research, Research Institute of Pharmaceutical Sciences, School of Pharmacy, The University of Mississippi, University, Mississippi 38677, USA
2Department of Drug Discovery and Biomedical Sciences, College of Pharmacy, University of South Carolina, Columbia, SC 29208, USA
3The Research Center for Medicinal Plants, Al-Farabi Kazakh National University, Al-Farabi ave. 71, 050040, Almaty, Kazakhstan

ABSTRACT

For Remdesivir® no other drug or vaccine has yet been approved to treat the coronavirus disease (COVID-19) caused by the virus known as, severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2).

Remdesivir® an small molecule nucleic acid analogue, it is used to treat adults and children with laboratory confirmed COVID-19, only administrated in hospital settings. Small molecules and particularly natural products count for almost fifty percent of the commercially available drugs, several of them are marketed antiviral agents and those can be a potential agent to treat COVID-19 infections. This short review rationalized different key natural products with known activity against coronaviruses as potential leads against COVID-19 [1].

REFERENCES