

NOVEL EFFECTS OF PARCUMIN C-19 COMPLEX IN THE TREATMENT OF COVID-19 INFECTION

Dr. Rafie Hamidpour, Ph. D., D.E., DABFE*¹ and Dr. Roxanna Hamidpour, MD²

¹Director of Drug Discovery, Pars Bioscience, LLC.
²Lead Researcher Drug Discovery, Pars Bioscience, LLC.



*Corresponding Author: Dr. Rafie Hamidpour
Director of Drug Discovery, Pars Bioscience, LLC.

Article Received on 05/02/2024

Article Revised on 25/03/2024

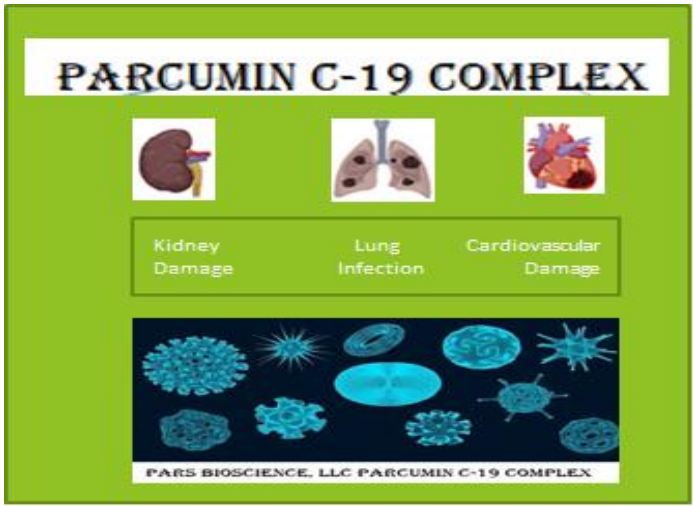
Article Accepted on 15/04/2024

PROJECT ABSTRACT

In Unites State of America Coronavirus disease 2019 (COVID-19) outbreak is an ongoing pandemic caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) with 10,000,000.0 mortalities nationwide. Pars Bioscience Research Center of Leawood Kansas USA has determined the main clinical manifestation of COVID-19 is the presence of respiratory indications; however, some patients develop severe cardiovascular and renal complications. Here at Pars Bioscience Research center, we have determined there is an urgency to understand the mechanism by which this virus causes problems in order to develop treatment options. Parcum C-19 Complex, a natural polyphenolic compound, may be a potential healing option for patients with coronavirus disease. We have already made assessment some of the potential effects of Parcum C-19 Complex, such as inhibiting the entry of virus to the cell, inhibiting encapsulation of the virus and viral protease, as well as modulating various cellular signaling pathways.

We would like to produce this Novel effect of Parcum C-19 Complex in our Manufacture facility in the state of Utah and since it is herbal supplement with no side effect

with help of National Health organization, provide it to public.



Project Narrative

Pars Bioscience plays a critical role in the development of (Parcum C-19) helping patients with kidney damage, Lung infection and cardiovascular damage. We propose the development of a new Novel therapeutic use of Parcum C-19 Complex in the treatment of COVID-19 infection. Coronaviruses (COVs) has caused severe

acute respiratory disease in humans in the 21st century. The severe acute respiratory coronavirus (SARS-CoV) in 2003 was associated with 10% fatality rate (Lee et al., 2003) while the Middle East Respiratory Syndrome Coronavirus (MERS-CoV) had a fatality rate of 35% (de Groot et al., 2013). The present pandemic crippling the world is in SARS-CoV-2 is officially named as

COVID19 by WHO. The SARS-CoV-2 is an enveloped, β -coronavirus, with a large, positive-sense, single-stranded RNA genome ranging from 26–32 kilobases.

The Spike (S) protein, envelope (E) protein, membrane (M) protein, and nucleocapsid (N) protein are the four structural proteins found in the virus.



About Us

Pars Bioscience, LLC understands that scientific discovery starts with a VISION. Our small team of respected individuals is RESEARCHING ways to improve life and cure common illness. SPECIALIZING in common, but under developed substances. Pars Bioscience has a mindset of QUALITY CONTROL and QUALITY ASSURANCE.

FACILITIES & OTHER RESOURCES;

Pars Bioscience and UST MFG, LLC

Pars Bioscience's Corporate Headquarters located in beautiful city of Leawood, Kansas, 14109 Cambridge Lane, Leawood, Kansas 6622. We have a professional facility with 5033sq ft of office and 5033 Sq. ft of Warehouse. Sabinsa Corporation dedicated management team. Composed of nutritional product veterans, our staff recognized the need to supply personalized services that feature quality, science-based dietary supplements. Their vision and understanding is why Sabinsa Corporation is now one of the nation's leading producers of high-quality dietary supplements.

Staff;

Dr. Rafie Hamidpour, Ph. D., D.E., DABFE,
20 years' experience in Herbal Medicine
Director of Drug Discovery
Pars Bioscience, LLC

Dr. Roxanna Hamidpour, MD
4 years' experience in Herbal Medicine
Lead Researcher Drug Discovery
Pars Bioscience, LLC

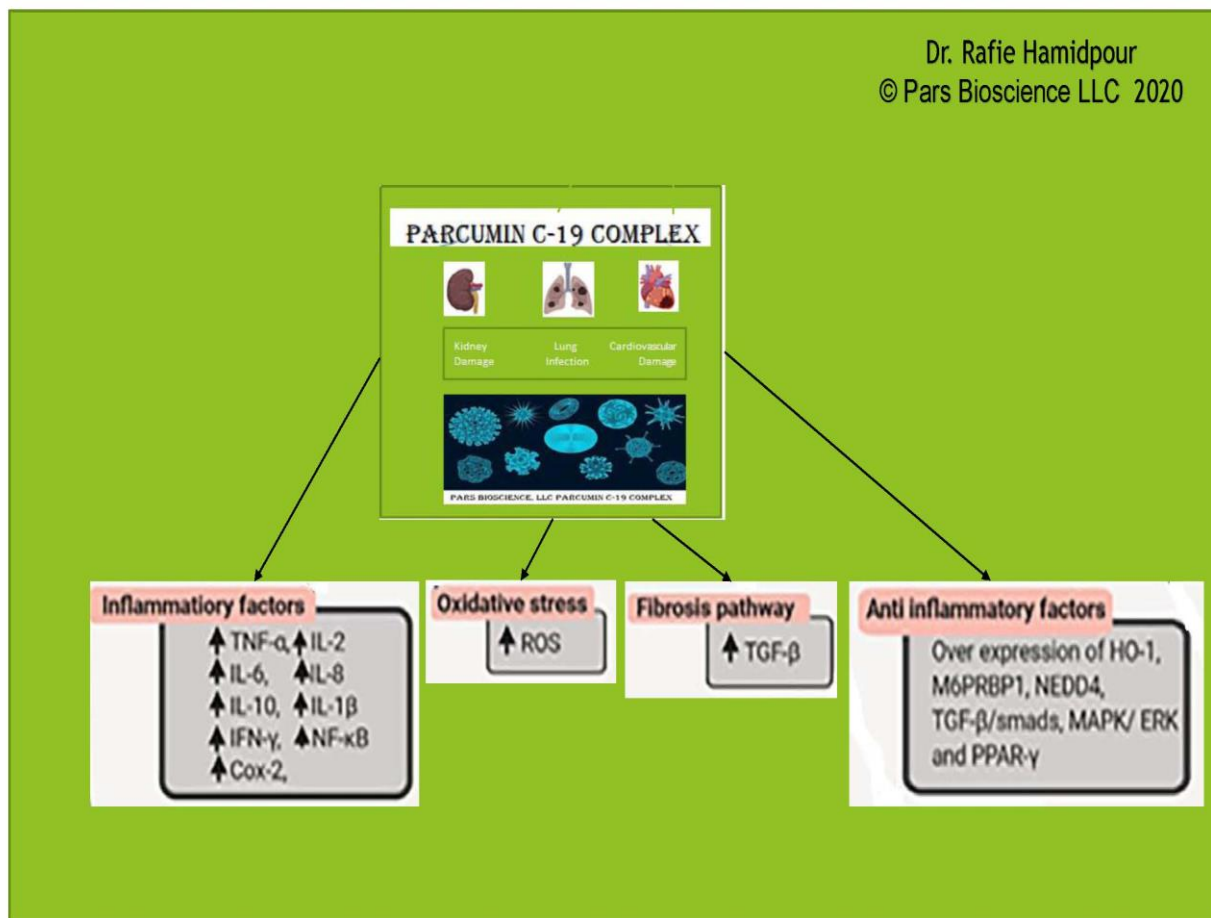
AIMS; AN OVERVIEW OF PARCUMIN C-19 COMPLEX AS AN ANTIVIRAL AGENT

Evidence suggests that Parcum C-19 Complex has an inhibitory potential against various viral infections. The

antiviral effects of Parcum C-19 Complex were observed against viruses including vesicular stomatitis virus, parainfluenza virus type 3., The pleiotropic effects of Parcum C-19 Complex against viruses arise from its ability to interact with various molecular targets, thereby triggering cellular signaling pathways such as apoptosis and inflammation. Pars Bioscience research has shown that Parcum C-19 Complex interacts directly with around 30 proteins, including DNA polymerase, thioredoxin reductase, focal adhesion kinase (FAK), protein kinase (PK), tubulin, and lipoxygenase (LOX). Moreover, Parcum C-19 Complex modulates intercellular signaling cascades which are essential for efficient virus replication such as attenuation of NF- κ B and PI3K/Akt signaling.

PARCUMIN C-19 COMPLEX CAN POTENTIALLY TARGET CRITICAL STEPS OF THE VIRAL REPLICATION CYCLE

A virus does not have all the enzymes needed for its replication as a single unit. The virus uses cellular machinery for its metabolic processes and reproduction. The antiviral agents should prevent the growth of viruses in infected cells without harming the healthy cells. The processes of the replication of the viruses, including attachment, penetration, uncoating, genome replication, and gene expression are potential therapeutic targets.



PARS BIOSCIENCE REFERENCES and Other Products

Our products



**Chamomile 5
Capsule**

Is a unique natural remedy that can be used for mild to moderate cases suffering from varicose vein.



EDS 2

Is a unique natural preparation used to reduces and prevents varicose and spider veins on the legs.



Fennel 3

Is a natural propriety herbal remedy that can be used for long-term for treating occasional constipation and restoring regularity and for your healthy lifestyle.



Hepat 5

Is a unique and novel supplement that can be given to patients suffering from hepatitis. Liver inflammations. Liver dysfunctions. restore liver function to its normal condition. To regulate liver enzymes.



Fertility M3

Has multiple actions that helps to maintain male fertility.



Our products



Humerus 3

This preparation controls appetite naturally without taking in consideration the amount of food intake, gradual decrease in body weight, eliminating the excess fats around the waist, Humerus, buttocks and the belly.



Lactation 6

Is a natural herbal remedy that can be used during the entire lactation period for increasing the milk flow in lactating mothers. It is a natural remedy that consists of six lactogenic herbs that increase milk supply.



Menopause 6

A Natural Remedy that may help in Reducing Symptoms of Menopause and Help Maintaining Female Fertility.



PMS-Pain 6

A herbal Supplement that Helps to Relieve Symptoms of Pre-Menstrual Syndrome (PMS).



Our products



Chamomile 5 Ointment

Is a unique natural preparation used to reduces and prevents varicose and spider veins on the legs.



Hemoherb 2

Is a novel herbal based product indicated for external and internal hemorrhoids, anal pain and fissures, pre-operatively and post-operatively.



ZemaDerm

A cosmetic balanced formula that has been carefully selected based on efficacy and potency to reduce symptoms of eczema and psoriasis.



Les-Pain2

Is a unique natural gel have potent anti-inflammatory and anti-rheumatic properties



CONCLUSION AND CHALLENGES

In this study, we have attempted an overview of the potential antiviral effects of Parcum C-19 Complex that can be helpful for human trial to further investigate the potency of Parcum C-19 Complex against the new emerging SARSCoV-2 infection. The ability of Parcum C-19 Complex to modulate a wide range of molecular targets makes it a suitable candidate for the management of coronavirus infection. Parcum C-19 Complex may have beneficial effects against COVID-19. Parcum C-19 Complex could also modulate cellular signaling pathways such as inflammation, apoptosis, and

RNA replication. Parcum C-19 Complex may also suppress pulmonary edema and fibrosis-associated pathways in COVID-19 infection.