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(54) **Title:** MULTITARGET ANTIVIRAL DIETARY SUPPLEMENT

(57) **Abstract:** This invention discloses a multitarget antiviral dietary supplement, which can help in: prevention of viral infection, home or hospital treatment of viral infection, recovery after viral infection, reduction of side effects of drugs and vaccines, whereby the viruses can be: SARS- CoV-2, Influenza, HIV-1, HCoV-229E, HCoV-NL63, HCoV-OC43, HCoV-HKU1, and many others, whereby the selected substances can be optimized for individual viruses. The multitarget antiviral dietary supplement may comprise: at least one substance for binding to the viral spike protein (for example, S-protein), at least one substance for binding to the receptor of the viral spike protein (for example, with the ACE2 receptor), at least one substance for preventing the entry of the virus into cells (for example, TMPRSS2 inhibitor), and at least one substance for preventing viral replication in cells (for example, inhibitors of 3CLpro/Mpro, PLpro, RdRp, etc.), at least one substance for fibrinolysis against blood clots, etc.

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MULTITARGET ANTIVIRAL DIETARY SUPPLEMENT

Technical Field

This invention relates to a multitarget antiviral dietary supplement to contribute to: prevention of viral infection, home treatment of viral infection, hospital treatment of viral infection, recovery after viral infection, reduction of side effects of drugs and reduction of side effects of vaccines.

Background Art

Vaccines, medicines and dietary supplements are used against viruses, i.e. viral infections. The goals of vaccines, drugs and dietary supplements can be: binding to the spike protein of the virus, binding to the receptor of the virus spike protein, preventing the virus from entering the cell, and preventing the replication of the virus in the cell, which comprises: preventing the separation of the genetic content of the virus from the viral envelope in the cell, preventing the translation of the viral replication machinery in the cell, preventing the replication of the genetic material of the virus in the cell, preventing the translation of viral structural proteins in the cell, preventing the assembly of new virus in the cell, and preventing the exit of the newly assembled virus from the cell.

If vaccines, drugs and dietary supplements are not aimed to bind to the spike protein of the virus, the virus can circulate freely in the body and infect other cells in the body, or leave the body and infect cells in other bodies. Therefore, most vaccines against the SARS-CoV-2 virus have as their sole end goal the production of antibodies against the spike protein of the virus. Binding to the virus spike protein should be as resistant as possible to mutations in the virus spike protein, so binding to different types of virus spike proteins is desirable.

If vaccines, drugs and dietary supplements are not aimed to bind to the receptor of the virus spike protein, all viruses as well as free virus spike protein (for example, produced after vaccination) that are still circulating in the body can freely bind to the receptors of the virus spike protein. It is possible that there are multiple types of virus spike protein receptors, so binding to all types of virus spike protein receptors is desirable.

If vaccines, drugs, and dietary supplements are not aimed to prevent the virus from entering cells, any viruses that have bound to the virus spike protein receptors are free to enter cells. It is

possible that there are several types of virus entry into cells, so it is desirable to prevent all types of virus entry into cells.

If vaccines, drugs and dietary supplements are not aimed to prevent the separation of the viral genetic content from the viral envelope in the cell, any viruses that have entered the cell are free to separate the viral genetic content from the viral envelope in the cell. It is possible that there are multiple types of separation of the genetic content of the virus from the viral envelope in the cell, so it is desirable to prevent all types of separation of the genetic content of the virus from the viral envelope in the cell.

If vaccines, drugs, and dietary supplements are not aimed to prevent the translation of the viral replication machinery in the cell, any viruses that have separated the viral genetic content from the viral envelope in the cell can freely translate the viral replication machinery in the cell. It is possible that there are multiple types of translation of the viral replication machinery in a cell, so it is desirable to prevent all types of translation of the viral replication machinery in a cell.

If vaccines, drugs, and dietary supplements are not aimed to prevent the replication of the viral genetic material in the cell, any viruses that have translated the viral replication machinery in the cell are free to replicate the viral genetic material in the cell. It is possible that there are multiple types of viral genetic material replication in a cell, so it is desirable to prevent all types of viral genetic material replication in a cell.

If vaccines, drugs and dietary supplements are not aimed to prevent the translation of viral structural proteins in the cell, all viruses that have replicated the genetic material of the virus in the cell can freely translate the viral structural proteins in the cell. It is possible that there are multiple types of translation of viral structural proteins in a cell, so it is desirable to prevent all types of translation of viral structural proteins in a cell.

If vaccines, drugs, and dietary supplements are not aimed to prevent the assembly of new virus in the cell, any viruses that have translated the viral structural proteins in the cell are free to assemble new viruses in the cell. It is possible that there are multiple types of new virus assembly in a cell, so it is desirable to prevent all types of new virus assembly in a cell.

If vaccines, drugs and dietary supplements are not aimed to prevent the newly assembled virus from leaving the cell, all newly assembled viruses can freely leave the cell, circulate in the body and infect other cells in the body, or leave the body and infect cells in other bodies. It is possible that there are multiple types of exit of the newly assembled virus from the cell, so it is desirable to prevent all types of exit of the newly assembled virus from the cell.

Unfortunately, in most cases, vaccines, drugs, and dietary supplements against viruses use only one of the nine listed targets, for ease of development, lower cost of production, and faster clinical trials. In addition, many types of viruses mutate at such a rapid rate that they bypass the protection provided by single-target vaccines, drugs, and dietary supplements, making the pandemic infinitely more difficult.

On the other hand, the population becomes aware that such single-target vaccines, drugs and dietary supplements cannot fight the pandemic, so they lose interest in being vaccinated with such vaccines, but also in taking such drugs and dietary supplements, which further prolongs the pandemic, even in case more effective vaccines, drugs and dietary supplements appear over time.

Of course, the overall situation is not helped by the fact that vaccines and drugs are approved in an emergency procedure without testing during a long period of time, which increases the likelihood of side effects, which further discourages the population from vaccination and taking drugs.

All presented technical problems are solved by this invention, which provides a multitarget antiviral dietary supplement.

The individual viral inhibition efficacy of each of the nine individual targets of the multitarget antiviral dietary supplement can be defined as 100% minus the individual viral inhibition ineffectiveness of each of the nine individual targets of the multitarget antiviral dietary supplement.

The individual ineffectiveness of virus inhibition of each of the nine individual targets of the multitarget antiviral dietary supplement can be defined as the ratio of uninhibited virus molecules or uninhibited human molecules with and without the use of the multitarget antiviral dietary supplement after each of the nine individual targets. From this definition, it can be seen that individual ineffectiveness is 100% without the use of a multitarget antiviral dietary supplement for that purpose, and can be 0% with the use of a multitarget antiviral dietary supplement in the ideal case of complete inhibition of virus molecules or human molecules for that purpose.

The overall efficacy of a multitarget antiviral dietary supplement can be defined as 100% minus the total ineffectiveness of virus inhibition of all nine individual targets of the multitarget antiviral dietary supplement.

The total viral inhibition ineffectiveness of all nine individual targets of a multitarget antiviral dietary supplement can be defined as the product of all nine individual viral inhibition ineffectivenesses. From this definition, it can be seen that the total ineffectiveness is 100% without

the use of a multitarget antiviral dietary supplement for all targets, and can be 0% with the use of a multitarget antiviral dietary supplement in the ideal case of complete inhibition of virus molecules or human molecules for all targets.

Thanks to the multitarget instead of single-targeted action, the effectiveness of each of the nine individual targets of a multitarget antiviral dietary supplement does not need to be close to 100%, but much less, for the effectiveness of a multitarget antiviral dietary supplement to be close to 100%.

In practice, it is not necessary for a multitarget antiviral dietary supplement to support all nine individual goals, but a smaller number of individual goals balanced with the effectiveness of each individual goal is sufficient to obtain the highest possible effectiveness of a multitarget antiviral dietary supplement with minimal increase in complexity and acquisition cost of ingredients and production.

In the following examples, the individual efficacies of each individual target of the multitarget antiviral dietary supplement will be assumed to be identical for the purpose of simplicity in calculating the overall efficacy of the multitarget antiviral dietary supplement.

For example, the individual effectiveness of each individual target of a multitarget antiviral dietary supplement may be as little as 25%. If there are a total of three individual targets, the total effectiveness of a multitarget antiviral dietary supplement is $100\% - (100\%-25\%)^3 = 100\% \times [1 - (1 - 0.25)^3] = 100\% \times [1 - 0.75^3] = 57.81\%$. If there are a total of six individual targets, the total effectiveness of a multitarget antiviral dietary supplement is $100\% - (100\%-25\%)^6 = 100\% \times [1 - (1 - 0.25)^6] = 100\% \times [1 - 0.75^6] = 82.20\%$. At the same time, this means that the overall effectiveness of the multitarget antiviral dietary supplement is still usable even in the case of multiple virus mutations or insufficient number of multitarget antiviral dietary supplement molecules for individual targets.

For example, the individual effectiveness of each individual target of a multitarget antiviral dietary supplement may still be a relatively poor 50%. If there are a total of three individual targets, the total effectiveness of the multitarget antiviral dietary supplement is $100\% - (100\%-50\%)^3 = 100\% \times [1 - (1 - 0.5)^3] = 100\% \times [1 - 0.5^3] = 87.50\%$. If there are a total of six individual targets, the total effectiveness of a multitarget antiviral dietary supplement is $100\% - (100\%-50\%)^6 = 100\% \times [1 - (1 - 0.5)^6] = 100\% \times [1 - 0.5^6] = 98.44\%$. At the same time, this means that the overall effectiveness of the multitarget antiviral dietary supplement is still high even in the case of multiple virus mutations or insufficient number of multitarget antiviral dietary

supplement molecules for individual targets.

For example, the individual effectiveness of each individual target of a multitarget antiviral dietary supplement may average a good 75%. If there are a total of three individual targets, the total efficacy of a multitarget antiviral dietary supplement is $100\% - (100\%-75\%)^3 = 100\% \times [1 - (1 - 0.75)^3] = 100\% \times [1 - 0.25^3] = 98.44\%$. If there are a total of six individual targets, the overall efficacy of a multitarget antiviral dietary supplement is $100\% - (100\%-75\%)^6 = 100\% \times [1 - (1 - 0.75)^6] = 100\% \times [1 - 0.25^6] = 99.98\%$. This means at the same time that the overall effectiveness of the multitarget antiviral dietary supplement is still close to 100% even in the case of multiple virus mutations or insufficient number of multitarget antiviral dietary supplement molecules for individual targets.

US Patent Application US2021/0315250A1 describes an antiviral dietary supplement configured to be mixed into a product, rather than a stand-alone multitarget antiviral dietary supplement of the present invention, and comprising:

at least four ingredients from at least two groups with at least two ingredients selected from the first group including:

the first group containing anethole, benzaldehyde, carvacrol, caryophyllene, cineole, cinnamaldehyde, citral, citronellal, curcumin, farnesol, eugenol, limonene, linalool, methylglyoxal, pinene, terpineol, thujone, thymol, vanillin and zingiberine in a concentration between 50 and 50,000 parts per million in product;

the second group containing betulinic acid, caprylic acid, chebulic acid, ferulic acid, flavonols, gingerol, hesperidin, isothiocyanates, mangostin, luteolin, myristic acid, oleuropein, pectolinarin, piperine, protocatechuic acid, pterostilbene, punicalagin, rhoifolin, sanguiin and withanolides in a concentration between 100 and 100,000 parts per million in the product;

the third group containing acetic acid, citric acid, dextrose, fructose, glycerol, glycine, glucose, lactic acid, lactose, malic acid, propylene glycol, salt, sorbitol, sucrose and tartaric acid in a concentration sufficient to change the water activity level or pH of the product .

In addition, said dietary supplement does not have defined targets of the first, second and third groups of ingredients, in relation to the multitarget antiviral dietary supplement of the present invention. For example, said dietary supplement in the first group contains cineol, curcumin, eugenol and zingiberine, which do not have a multitarget antiviral purpose defined according to the present invention. Also, said dietary supplement in the second group has betulinic acid, hesperidin, mangostin, luteolin, oleuropein and piperine, which do not have a

multitarget antiviral purpose defined according to the present invention. On the other hand, most flavonols do not show antiviral activity. Finally, said dietary supplement in the third group does not have any substance from the multitarget antiviral dietary supplement according to the present invention.

US patent application US2021/0267870A1 describes a method and composition for increasing cell resistance to DNA damage, oxidative stress, mitochondrial dysfunction or improving DNA repair capacity, instead of a multitarget antiviral dietary supplement according to the present invention, and containing an effective amount of a combination of two or more components, at wherein said components are selected from acacetin, ACT1 peptide, alpha-lipolic acid, alprostadil, anisomycin, apigenin, ascorbic acid, astragalus, berberine, β-lapahone, β-hydroxy-beta-methyl-butyrate, Bacopa monnierri, catechin, catechol, chamomile, chrysin, coumestrol, curcumin, dinitrophenol, dinoprost, ellagic acid, (−)-epigallocatechin gallate, green tea extract, fisetin, genistein, ginsenoside RE, glabridin, 18-α-glycyretic acid, 18-β- glycyrrhetinic acid, glycyrrhizin, hydroquinone, isoquercitrin (EMIQ), kaempferol, kuromanin, leucine, lithium, luteolin, luteolinidin, melatonin, menadione, 1-methylnicotinamide (MNA), methyl salicylate, myricetin, nadide, niacin (vitamin B3), nicotinamide (NAM), nicotinamide mononucleotide (NMN), nicotinamide riboside (NR), nicotinic acid adenine dinucleotide (NaAD), nicotinic acid mononucleotide (NaMN), parsley (Petroselinium crispum), phenylephrine, pokeweed mitogen, 15-Δ prostaglandin J2, puromycin, quercetin, quinolinic acid, retinoic acid, trichostatin A, troxrutin, rutin, tryptophan, vitamin D3, withaferin A, wortmannin and zinc (including salts); and their derivatives and any combination thereof.

Said composition comprises apigenin, astragalus, berberine, (−)-epigallocatechin gallate, glycyrrhizin, catechin, kaempferol, curcumin, quercetin, luteolin, melatonin, vitamin D3, which do not have a multitarget antiviral purpose defined according to this invention.

US Patent US10980791B1 describes multi-component pharmaceutical compositions for the prevention or treatment of cancer, instead of the multitarget antiviral dietary supplement of the present invention, and comprising a compound containing three substances selected from methylsulfonylmethane, dimethyl sulfoxide, selenium, zinc, garlic, ginseng, probiotics, astralagus, echinacea, olive leaf, rutin, ashwagandha, vitamin B3, vitamin C, vitamin E, folic acid, vitamin B6, vitamin B12, phenols, flavones, phytosterols, curcumin, blueberry, lipoic acid, resveratrol, green tea, vitamin D, docosahexaenoic acid (DHA), eicosapentaenoic acid (EPA), pomegranate, quercetin, cocoa, catechin, flavonoids and flavonols.

Said composition comprises zinc, probiotic, astralagus, vitamin C, vitamin E, curcumin, resveratrol, vitamin D, quercetin and catechin, which do not have a multitarget antiviral purpose defined according to this invention.

US patent application US2015056176A1 describes an anti-inflammatory composition for monogastric organisms, comprising: quercetin, curcumin, boswellia, Coenzyme Q10 (CoQ10), and ribose, and may additionally contain: calcium carbonate and zinc, instead of a multitarget antiviral dietary supplement according to this invention.

Additionally, the quercetin, curcumin, and zinc in said composition do not have a multitarget antiviral purpose as defined by the present invention.

US patent US6887497B2 describes a composition comprising an effective amount of: mineral ascorbate form of vitamin C, grapefruit seed extract, quercetin, curcuminoids, glucosamine sulfate, nettle extract, zinc, and selenium, for the treatment and prevention of osteoarthritis, rheumatoid arthritis, and for improving cartilage and joint function, rather than the multitarget antiviral dietary supplement of the present invention.

Additionally, the quercetin, curcuminoids, and zinc in said composition do not have a multitarget antiviral purpose as defined by the present invention.

European patent EP3437638B1 describes a composition comprising nervonic acid and curcumin for use in the treatment of pathologies associated with changes in the trophism of peripheral nerves, wherein the pathologies are selected from neural complications of diabetes, neuritis on an inflammatory basis, neuropathic pain syndromes of a traumatic or rheumatological basis, instead of multitarget antiviral dietary supplement according to the present invention.

Additionally, curcumin in said composition does not have a multitarget antiviral purpose as defined by the present invention.

European patent application (and the appropriate patent) EP3338769A1 describes a composition comprising curcumin and quercetin, which have anti-inflammatory and anti-proliferative activity for use in the treatment of endometriosis, and may additionally contain N-acetylcysteine, instead of the multitarget antiviral dietary supplement of the present invention.

Additionally, curcumin, quercetin and N-acetylcysteine do not have a multitarget antiviral purpose as defined by the present invention.

US patent application US2021220290A1 describes a method for regenerating alveolar cells in a mammal with emphysema, said method comprising the step of administering a composition containing at least 20% w/w bisdemethoxycurcumin to said mammal to reduce emphysema

characteristics. Said composition further comprises 10-35% w/w demethoxycurcumin and 10-45% w/w curcumin.

Additionally, demethoxycurcumin and curcumin do not have a multitarget antiviral purpose as defined by this invention.

US Patent US10987329B1 and US11026909B1 describe a method and a pharmaceutical composition for the treatment of viral infections, including the novel coronavirus (COVID-19) containing 5-aminolevulinic acid and at least one of nano curcumin, zinc, vitamin C and methylene blue, or a pharmaceutically acceptable salt thereof, each of which is present in therapeutically effective amounts, in admixture with a pharmaceutically acceptable excipient.

However, this invention may contain curcumin, zinc, and vitamin C, but does not contain the mandatory ingredient 5-aminolevulinic acid and the optional ingredient - methylene blue.

The described method and composition do not have a multitarget antiviral purpose defined according to the present invention.

None of the dietary supplements according to the prior art either contain the combination of ingredients of this invention or are intended for multitarget antiviral contribution: prevention of viral infection, home (outpatient) treatment of viral infection, hospital (inpatient) treatment of viral infection, recovery after viral infection, reduction of drug side effects and reduction of vaccine side effects.

Disclosure of Invention

A first objective of the present invention is to provide a multitarget antiviral dietary supplement to contribute to the prevention of viral infection.

Another object of the present invention is to provide a multitarget antiviral dietary supplement to contribute to the home treatment of viral infection.

A third object of the present invention is to provide a multitarget antiviral dietary supplement to contribute to the in-hospital treatment of viral infection.

A fourth object of the present invention is to provide a multitarget antiviral dietary supplement to aid recovery after viral infection.

A fifth objective of the present invention is to provide a multitarget antiviral dietary supplement to contribute to the reduction of drug side effects.

A sixth objective of the present invention is to provide a multitarget antiviral dietary supplement to contribute to the reduction of vaccine side effects.

Best Mode(s) for Carrying Out the Invention

Multitarget antiviral dietary supplement may comprise at least two and preferably at least two three ingredients selected from the group of ingredients consisting of: at least one substance for binding to the virus spike protein, at least one substance for binding to the virus spike protein receptor, at least one substance for preventing virus entry into the cell, and at least one substance for preventing virus replication in the cell.

At least one substance for preventing viral replication in the cell can be selected from the group of substances consisting of: at least one substance for preventing the separation of the genetic content of the virus from the envelope of the virus in the cell, at least one substance for preventing the translation of the viral replication machinery in the cell, at least one substance for preventing the replication of the genetic content of the virus in the cell, at least one substance for preventing the translation of viral structural proteins in the cell, at least one a substance for preventing the assembly of a new virus in the cell, and at least one substance for preventing the exit of the newly assembled virus from the cell.

The virus may be selected from the group consisting of: adeno-associated virus, aichi virus, Australian bat lyssavirus, avian influenza virus, BK polyomavirus, banna virus, barmah forest virus, bunyamwera virus, La Crosse bunyavirus, snow rabbit bunyavirus, cercopithecine herpesvirus, Chandipura virus, chikungunya virus, cosavirus A, cowpox virus, coxsackieviruses, Crimean-Congo hemorrhagic fever virus, dengue virus, dhori virus, dugbe virus, duvenhage virus, eastern equine encephalitis virus, ebolavirus, echovirus, encephalomyocarditis virus, Epstein-Barr virus, European bat lyssavirus, GB virus C/hepatitis G virus, hantaan virus, hendra virus, hepatitis A virus, hepatitis B virus, hepatitis C virus, hepatitis E virus, hepatitis delta virus, horsepox virus, human adenovirus, human astrovirus, human coronavirus HCoV-229E, human coronavirus HCoV -NL63, human coronavirus HCoV-OC43, human coronavirus HCoV-HKU1, human cytomegalovirus, human enterovirus 68,70,71, human herpesvirus 1, human herpesvirus 2, human herpesvirus 6, human herpesvirus 7, human herpesvirus 8, human immunodeficiency virus, human papillomavirus 1, human papillomavirus 2, human papillomavirus 16,18, human parainfluenza, human parvovirus B19, human respiratory syncytial virus, human rhinovirus, human spumaretrovirus, human T-lymphotropic virus, human torovirus, influenza A virus, Influenza B, Influenza C virus, Isfahan virus, JC polyomavirus, Japanese encephalitis virus, Junin arenavirus, KI polyomavirus, Kunjin virus, Lagos bat virus, Lake Victoria marburgvirus, Langat virus, Lassa

virus, Lordsdale virus, Louping ill virus, lymphocytic choriomeningitis virus, machupo virus, mayaro virus, MERS coronavirus, measles virus, mengo encephalomyocarditis virus, polyoma virus, Merkel cell polyomavirus, mokola virus, molluscum contagiosum virus, monkeypox virus, norovirus, mumps virus, Murray valley encephalitis virus, New York virus, nipah virus, norwalk virus, o'nyong-nyong virus, orf virus, oropouche virus, pichinde virus, poliovirus, punta toro phlebovirus, pumala virus, rabies virus, rift valley fever virus, rosavirus A, Ross River virus, rotavirus A, rotavirus B, rotavirus C, Rubella virus, Sagiyama virus, Salivirus A, Sandfly fever Sicilian virus, Sapporo virus, SARS-CoV coronavirus, SARS-CoV-2 coronavirus, Semliki forest virus, Seoul virus, Simian foamy virus, Simian virus 5, Sindbis virus, Southampton virus, St. Louis encephalitis virus, tick-borne powassan virus, torkue teno virus, toscana virus, uukuniemi virus, vaccinia virus, varicella-zoster virus, variola virus, Venezuelan equine encephalitis virus, vesicular stomatitis virus, western equine encephalitis virus, WU polyomavirus, West Nile virus, Yaba monkey tumor virus, Yaba-like disease virus, yellow fever virus, Zika virus, and all variants thereof.

The virus spike protein receptor can be selected from the group of receptors consisting of: angiotensin-converting enzyme 2 ACE2, transmembrane glycoprotein CD147, enzyme PIKFyve, neuropilin-1 NRP1, neuropilin-2 NRP2, dipeptidyl peptidase 4 DPP4/CD26, alanyl aminopeptidase ENPEP, angiotensin II receptor type 2 AGTR2, aminopeptidase N APN/CD13, N-acetyl-9-O-acetylneuraminic acid CEACAM1a, sialic acid, murine carcioembryonic antigen-binding adhesion molecule 1 mCEACAM, transmembrane protein CD4, CXCR4, chemokine receptor CCR5, vimentin VIM, heparan sulfate HS, and intercellular adhesion molecule 1 ICAM1.

There is very large number of components of natural dietary supplements based on molecular association analysis, *in vitro* studies without clinical studies and clinical studies, described in the following papers.

Roland Derwand et al. “COVID-19 outpatients: early risk-stratified treatment with zinc plus low dose hydroxychloroquine and azithromycin: a retrospective case series study,” *International Journal of Antimicrobial Agents*, 56(6), (2020) 106214, https://doi.org/10.1016/j.ijantimicag.2020.106214

Mahmood M. Al-Sumiadai et al. “Therapeutic effect of Vitamin A on severe COVID-19 patients,” *EurAsian Journal of Biosciences*, 14(2):7347-7350 (2020), https://doi.org/10.18632/aging.103888

Fangfang Huang et al. "A review of therapeutic agents and Chinese herbal medicines against SARS-COV-2 (COVID-19)," *Pharmacological Research*, 158 (2020) 104929, https://doi.org/10.1016/j.phrs.2020.104929

Francesco Monticolo et al. "anti-HCoV: A web resource to collect natural compounds against human coronaviruses," *Trends in Food Science & Technology*, 106 (2020) 1–11, https://doi.org/10.1016/j.tifs.2020.09.007

Vimal K. Maurya et al. "Structure-based drug designing for potential antiviral activity of selected natural products from Ayurveda against SARS-CoV-2 spike glycoprotein and its cellular receptor," *VirusDisease*, 31, 179-193 (2020), https://doi.org/10.1007/s13337-020-00598-8

Rohan R. Narkhede et al. "Recognition of natural products as potential inhibitors of COVID-19 main protease (Mpro): In-silico evidences," *Natural Products and Bioprospecting*, 10, 297–306 (2020), https://doi.org/10.1007/s13659-020-00253-1

Arun Bahadur Gurung et al. "Unravelling lead antiviral phytochemicals for the inhibition of SARS-CoV-2 M^{pro} enzyme through in silico approach," *Life Sciences*, vol. 255 (2020): 117831, https://doi.org/10.1016/j.lfs.2020.117831

Trina Ekawati Tallei et al. "Potential of plant bioactive compounds as SARS-CoV-2 main protease (Mpro) and spike (S) glycoprotein inhibitors: A molecular docking study," *Scientifica*, vol. 2020, ID 6307457, https://doi.org/10.1155/2020/6307457

R. P. Vivek-Ananth et al. "In silico identification of potential natural product inhibitors of human proteases key to SARS-CoV-2 infection," *Molecules*, 2020, 25, 3822, https://doi.org/10.3390/molecules25173822

Priyanka Sharma et al. "Natural derivatives with dual binding potential against SARS-CoV-2 main protease and human ACE2 possess low oral bioavailability: a brief computational analysis," *Journal of Biomolecular Structure and Dynamics*, 39:15, 5819-5830, 2020 https://10.1080/07391102.2020.1794970

C. Shivanika et al. "Molecular docking, validation, dynamics simulations, and pharmacokinetic prediction of natural compounds against the SARS-CoV-2 main-protease," *Journal of biomolecular structure and dynamics*, pp. 1-27, 2020, https://doi.org/10.1080/07391102.2020.1815584

Ranabir Majumder et al. "Screening of plant-based natural compounds as a potential COVID-19 main protease inhibitor: an *in silico* docking and molecular dynamics simulation

approach," *Journal of Biomolecular Structure and Dynamics*, 2020, https://doi.org/10.1080/07391102.2020.1817787

Eman Shawky E. et al. "Potential role of medicinal plants and their constituents in the mitigation of SARS-CoV-2: identifying related therapeutic targets using network pharmacology and molecular docking analyses," *RSC Advances*, 2020, 10, 27961, https://doi.org/10.1039/D0RA05126H

Arun Bahadur Gurung et al. "Unravelling lead antiviral phytochemicals for the inhibition of SARS-CoV-2 Mpro enzyme through in silico approach," *Life Sciences*, 255 (2020) 117831, https://doi.org/10.1016/j.lfs.2020.117831

Fangfang Huang et al. "A review of therapeutic agents and Chinese herbal medicines against SARS-CoV-2 (COVID-19)," *Pharmacological Research*, 158 (2020) 104929, https://doi.org/10.1016/j.phrs.2020.104929

Trina Ekawati Tallei et al. "Potential of plant bioactive compounds as SARS-CoV-2 main protease (Mpro) and spike (S) glycoprotein inhibitors: A molecular docking study," *Scientifica*, 2020, ID 6307457, https://doi.org/10.1155/2020/6307457

Vimal K. Maurya et al. "Structure-based drug designing for potential antiviral activity of selected natural products from Ayurveda against SARS-CoV-2 spike glycoprotein and its cellular receptor," *VirusDis.* (April–June 2020), 31(2):179–193, https://doi.org/10.1007/s13337-020-00598-8

Mansi Pandit et al. "*In silico* studies reveal potential antiviral activity of phytochemicals from medicinal plants for the treatment of COVID-19 infection," 2020, *Research Square*, https://doi.org/10.21203/rs.3.rs-22687/v1

Canrong Wu et al. "Analysis of therapeutic targets for SARS-CoV-2 and discovery of potential drugs by computational methods," *Acta Pharmaceutica Sinica B*, 2020, 10(5), 766-788, https://doi.org/10.1016/j.apsb.2020.02.008

Rohan R. Narkhede et al. "Recognition of Natural Products as Potential Inhibitors of COVID‐19 Main Protease (Mpro): In‐Silico Evidences," *Natural Products and Bioprospecting*, (2020) 10:297–306, https://doi.org/10.1007/s13659-020-00253-1

Hariprasad Puttaswamy et al. "In silico studies evidenced the role of structurally diverse plant secondary metabolites in reducing SARS-CoV-2 pathogenesis," *Scientific Reports*, (2020) 10:20584, https://doi.org/10.1038/s41598-020-77602-0

Rohmad Yudi Utomo et al. "Revealing the Potency of Citrus and Galangal Constituents to Halt SARS-CoV-2 Infection," *Preprints*, 2020, https://doi.org/10.20944/preprints202003.0214.v1

Siti Khaerunnisa et al. "Potential inhibitor of COVID-19 main protease (Mpro) from several medicinal plant compounds by molecular docking study," *Preprints*, 2020, https://doi.org/10.20944/preprints202003.0226.v1

Mubarak A. Alamri et al. "Structure-based virtual screening and molecular dynamics of phytochemicals derived from Saudi medicinal plants to identify potential COVID-19 therapeutics," *Arabian Journal of Chemistry*, (2020) 13, 7224–7234, https://doi.org/10.1016/j.arabjc.2020.08.004

Boyu Pan et al. "Chinese herbal compounds against SARS-CoV-2: Puerarin and quercetin impair the binding of viral S-protein to ACE2 receptor," *Computational and Structural Biotechnology Journal*, 18 (2020) 3518–3527, https://doi.org/10.1016/j.csbj.2020.11.010

Muhammad Tahir ul Qamar et al. "Structural basis of SARS-CoV-2 3CLpro and anti-COVID-19 drug discovery from medicinal plants," *Journal of Pharmaceutical Analysis*, 10 (2020) 313-319, https://doi.org/10.1016/j.jpha.2020.03.009

Amit Kumar Srivastav et al. "Computational studies towards identification of lead herbal compounds of medicinal importance for development of nutraceutical against COVID-19," *ChemRxiv Preprint*, 2020, https://10.26434/chemrxiv.12581819.v1

Amaka Ubani et al. "Molecular docking analysis of some phytochemicals on two SARS-CoV-2 targets, potential lead compounds against two target sites of SARS-CoV-2 obtained from plants," 2020, https://doi.org/10.1101/2020.03.31.017657

Dharmendra Kumar Maurya et al. "Evaluation of Traditional Ayurvedic Preparation for Prevention and Management of the Novel Coronavirus (SARS-CoV-2) Using Molecular Docking Approach," *ChemRxiv Preprint*, 2020, https://doi.org/10.26434/chemrxiv.12110214.v2

Ananda da Silva Antonio et al. "Natural products' role against COVID-19," *RSC Advances*, 2020, 10, 23379–23393, https://doi.org/10.1039/d0ra03774e

Noor Rahman et al. "Virtual screening of natural products against type II transmembrane serine protease (TMPRSS2), the priming agent of coronavirus 2 (SARS-CoV-2)," *Molecules*, 2020, 25(10), 2271, https://doi.org/10.3390/molecules25102271

Pallab Kar et al. "Anisotine and amarogentin as promising inhibitory candidates against SARS-CoV-2 proteins: a computational investigation," *Journal of Biomolecular Structure and Dynamics*, 2020, https://doi.org/10.1080/07391102.2020.1860133

Aitebiremen Gift Omokhua-Uyi et al. "Natural product remedies for COVID-19: A focus on safety," *South African Journal of Botany*, 139 (2021) 386-398, https://doi.org/10.1016/j.sajb.2021.03.012

Miaobo Ye et al. "Network pharmacology, molecular docking integrated surface plasmon resonance technology reveals the mechanism of Toujie Quwen Granules against coronavirus disease 2019 pneumonia," *Phytomedicine*, 85 (2021) 153401, https://doi.org/10.1016/j.phymed.2020.153401

Le-le Ma et al. "Screening S protein - ACE2 blockers from natural products: Strategies and advances in the discovery of potential inhibitors of COVID-19," *European Journal of Medicinal Chemistry*, 226 (2021) 113857, https://doi.org/10.1016/j.ejmech.2021.113857

Francesco Di Pierro et al. "Potential clinical benefits of quercetin in the early stage of COVID-19: Results of a second, pilot, randomized, controlled, and open-label clinical trial," *International Journal of General Medicine*, 2021:14, 2807-2816, https://doi.org/10.2147/IJGM.S318949

Francesco Di Pierro et al. "Possible therapeutic effects of adjuvant quercetin supplementation against early-stage COVID-19 infection: A prospective, randomized, controlled, and open-label study," *International Journal of General Medicine*, 2021:14, 2359-2366, https://doi.org/10.2147/IJGM.S318720

Safa Tahmasebi et al. "Nanocurcumin improves Treg cell responses in patients with mild and severe SARS-CoV2," *Life Sciences*, 276 (2021) 119437, https://doi.org/10.1016/j.lfs.2021.119437

Md. Iqbal Mahmud Choudhury et al. "Effect of 1% povidone iodine mouthwash/gargle, nasal and eye drop in COVID-19 patient," *Bioresearch Communications*, 7(1), 2021, 919-923, https://www.bioresearchcommunications.com/index.php/brc/article/view/176

David A. Ostrov et al. "Highly specific sigma receptor ligands exhibit anti-viral properties in SARS-CoV-2 infected cells," *Pathogens*, 2021, 10(11), 1514, https://doi.org/10.3390/pathogens10111514

Rakesh S. Joshi et al. "Discovery of potential multi-target-directed ligands by targeting host-specific SARS-CoV-2 structurally conserved main protease," *Journal of Biomolecular*

Structure and Dynamics, 2021, 39:9, 3099-3114, https://doi.org/10.1080/07391102.2020.1760137

Leah R. Reznikov et al. "Identification of antiviral antihistamines for COVID-19 repurposing," *Biochemical and Biophysical Research Communications*, 538 (2021) 173-179, https://doi.org/10.1016/j.bbrc.2020.11.095

Juan M. Figueroa et al. "Efficacy of a nasal spray containing iota-carrageenan in the postexposure prophylaxis of COVID-19 in hospital personnel dedicated to patients care with COVID-19 disease," *International Journal of General Medicine*, Volume 2021:14, 6277-6286, https://doi.org/10.2147/IJGM.S328486

Kadhim Ali Abbas Al-Haidari et al. "Clinical trial of black seeds against COVID-19 in Kirkuk City/Iraq," *Indian Journal of Forensic Medicine & Toxicology*, July-September 2021, 15, (3):3393-3399, 2021, https://doi.org/10.37506/ijfmt.v15i3.15825

Abdulrahman E. Koshak et al. "*Nigella sativa* for the treatment of COVID-19: An open-label randomized controlled clinical trial," *Complementary Therapies in Medicine*, 61 (2021) 102769, https://doi.org/10.1016/j.ctim.2021.102769

Saurabh K. Sinha et al. "An *in-silico* evaluation of different Saikosaponins for their potency against SARS-CoV-2 using NSP15 and fusion spike glycoprotein as targets," *Journal of Biomolecular Structure and Dynamics*, 39:9, pp. 3244-3255, 2021, https://doi.org/10.1080/07391102.2020.1762741

D. S. N. B. K. Prasanth et al. "In silico identification of potential inhibitors from Cinnamon against main protease and spike glycoprotein of SARS CoV-2," *Journal of Biomolecular Structure and Dynamics*, 39:13, 4618-4632, 2021, https://doi.org/10.1080/07391102.2020.1779129

Ijaz Muhammad et al. "Screening of potent phytochemical inhibitors against SARS-CoV-2 protease and its two Asian mutants," *Computers in Biology and Medicine*, 133 (2021) 104362, https://doi.org/10.1016/j.compbiomed.2021.104362

Priya Mondal et al. "Traditional medicinal plants against replication, maturation and transmission targets of SARS-CoV-2: computational investigation," *Journal of Biomolecular Structure and Dynamics*, 2021, https://doi.org/10.1080/07391102.2020.1842246

Rupesh V. Chikhale et al. "Identification of potential anti-TMPRSS2 natural products through homology modelling, virtual screening and molecular dynamics simulation studies,"

Journal of Biomolecular Structure and Dynamics, 2021, 39:17, 6660-6675, https://doi.org/10.1080/07391102.2020.1798813

Ganesh Prasad Mishra et al. "The interaction of the bioflavonoids with five SARS-CoV-2 proteins targets: An i*n silico* study," *Computers in Biology and Medicine*, 134 (2021) 104464, https://doi.org/10.1016/j.compbiomed.2021.104464

Chiara Vidoni et al. "Targeting autophagy with natural products to prevent SARS-CoV-2 infection," *Journal of Traditional and Complementary Medicine*, S2225-4110(21)00126-7, https://doi.org/10.1016/j.jtcme.2021.10.003

Maryam Yakhchali et al. "Cinnamon and its possible impact on COVID-19: The viewpoint of traditional and conventional medicine," *Biomedicine & Pharmacotherapy*, 143 (2021) 112221, https://doi.org/10.1016/j.biopha.2021.112221

Devvret Verma et al. "Potential inhibitors of SARS-CoV-2 (COVID 19) proteases PLpro and Mpro/3CLpro: molecular docking and simulation studies of three pertinent medicinal plant natural components," *Current Research in Pharmacology and Drug Discovery*, 2 (2021) 100038, https://doi.org/10.1016/j.crphar.2021.100038

Sanjay Sawant et al. "Computational assessment of select antiviral phytochemicals as potential SARS-CoV-2 main protease inhibitors: molecular dynamics guided ensemble docking and extended molecular dynamics," *In Silico Pharmacology*, (2021) 9:44, https://doi.org/10.1007/s40203-021-00107-9

Poonam Bansal et al. "In silico molecular docking of SARS-CoV-2 surface proteins with microbial non- ribosomal peptides: identification of potential drugs," *Journal of Proteins and Proteomics*, 2021, https://doi.org/10.1007/s42485-021-00072-z

Abdur Rauf et al. "Docking-based virtual screening and identification of potential COVID-19 main protease inhibitors from brown algae," *South African Journal of Botany*, 000 (2021) 1-7, https://doi.org/10.1016/j.sajb.2021.06.033

V. Umashankar et al. "Phytochemical moieties from Indian traditional Medicine for Targeting Dual Hotspots on SARS-CoV-2 Spike Protein: An Integrative in-silico Approach," *Frontiers in Medicine*, 8:672629, 2021, https://doi.org/10.3389/fmed.2021.672629

José David Flores-Félix et al. "Consumption of phenolic-rich food and dietary supplements as a key tool in SARS-CoV-19 infection," *Foods*, 2021, 10, 2084. https://doi.org/10.3390/foods10092084

Aadil Khursheed et al. "Molecular scaffolds from mother nature as possible lead compounds in drug design and discovery against coronaviruses: A landscape analysis of published literature and molecular docking studies," *Microbial Pathogenesis*, 157 (2021) 104933, https://doi.org/10.1016/j.micpath.2021.104933

Abdo A. Elfiky, "Natural products may interfere with SARS-CoV-2 attachment to the host cell," *Journal of Biomolecular Structure and Dynamics*, 2021, 39:9, 3194-3203, https://10.1080/07391102.2020.1761881

Namita Ashish Singh et al. "Spices and herbs: Potential antiviral preventives and immunity boosters during COVID-19," *Phytotherapy Research*, 2021, 1–13, https://doi.org/10.1002/ptr.7019

R. P. Vivek‐ Ananth et al. "Potential phytochemical inhibitors of SARS-CoV-2 helicase Nsp13: a molecular docking and dynamic simulation study," *Molecular Diversity*, 2021, https://doi.org/10.1007/s11030-021-10251-1

Shabir Ahmad Mir et al. "Identification of SARS-CoV-2 RNA-dependent RNA polymerase inhibitors from the major phytochemicals of *Nigella sativa*: An in silico approach," *Saudi Journal of Biological Sciences*, 29 (2022) 394-401, https://doi.org/10.1016/j.sjbs.2021.09.002

Zainab Thanon Hasan et al. "The effect of melatonin on thrombosis, sepsis and mortality rate in COVID-19 patients," *International Journal of Infectious Diseases*, 114, 79-84, 2022, https://doi.org/10.1016/j.ijid.2021.10.012

Ranabir Majumder et al. "Screening of plant-based natural compounds as a potential COVID-19 main protease inhibitor: an in silico docking and molecular dynamics simulation approach," *Journal of Biomolecular Structure and Dynamics*, 2022, 40, (2), 696-711, https://doi.org/10.1080/07391102.2020.1817787

Priya Shree et al. "Targeting COVID-19 (SARS-CoV-2) main protease through active phytochemicals of ayurvedic medicinal plants–Withania somnifera (Ashwagandha), Tinospora cordifolia (Giloy) and Ocimum sanctum (Tulsi)–a molecular docking study," *Journal of Biomolecular Structure and Dynamics*, 2022, 40(1), 190-203, https://doi.org/10.1080/07391102.2020.1810778

Qing Xiong et al. "Close relatives of MERS-CoV in bats use ACE2 as their functional receptors," *bioRxiv Preprint* (2022), https://doi.org/10.1101/2022.01.24.477490

Nikhil Maroli et al. "The potential role of procyanidin as a therapeutic agent against SARS-CoV-2: a text mining, molecular docking and molecular dynamics simulation approach," *Journal of Biomolecular Structure and Dynamics*, 40:3, pp. 1230-1245, 2022, https://doi.org/10.1080/07391102.2020.1823887

Priya Shree et al. "Targeting COVID-19 (SARS-CoV-2) main protease through active phytochemicals of ayurvedic medicinal plants – *Withania somnifera* (Ashwagandha), *Tinospora cordifolia* (Giloy) and *Ocimum sanctum* (Tulsi) – a molecular docking study," *Journal of Biomolecular Structure and Dynamics*, 40:1, pp. 190-203, 2022, https://doi.org/10.1080/07391102.2020.1810778

Farak Ali et al. "Implication of in silico studies in the search for novel inhibitors against SARS-CoV-2," *Archiv Der Pharmazie*, 4 March 2022, e2100360, https://doi.org/10.1002/ardp.202100360

Clinical studies of individual natural substances published in peer-reviewed scientific journals were selected from the multitude of clinical studies.

Iota-Carrageenan in a nasal spray, in the amount of 0.3 ml per day for 21 days, reduced the number of patients with COVID-19 by 5 times compared to the control group according to a clinical study by Juan M. Figueroa et al. "Efficacy of a nasal spray containing iota-carrageenan in the postexposure prophylaxis of COVID-19 in hospital personnel dedicated to patient care with COVID-19 disease," *International Journal of General Medicine*, Volume 2021:14, pp. 6277-6286.

Quercetin at 1,000 mg per day completely eliminated deaths from COVID-19 compared to the control group according to a clinical study by Francesco Di Pierro et al. "Possible therapeutic effects of adjuvant quercetin supplementation against early-stage COVID-19 infection: A prospective, randomized, controlled, and open-label study," *International Journal of General Medicine*, 2021:14, 2359-2366.

Quercetin in the amount of 600 mg per day in the first week and 400 mg per day in the second week significantly accelerated recovery from COVID-19 compared to the control group according to a clinical study by Francesco Di Pierro et al. "Potential clinical benefits of quercetin in the early stage of COVID-19: Results of a second, pilot, randomized, controlled and open-label clinical trial," *International Journal of General Medicine*, 2021:14, 2807-2816.

Black cumin (Nigella Sativa) in the amount of 40 mg/kg patient per day completely eliminated deaths from COVID-19 compared to the control group according to a clinical study by

Kadhim Ali Abbas Al-Haidari et al. "Clinical trial of black seeds against COVID - 19 in Kirkuk City/ Iraq," *Indian Journal of Forensic Medicine & Toxicology*, July-September 2021, Vol. 15, No. 3, pp. 3393-3399.

Black cumin oil at 1,000 mg daily for 10 days also accelerated recovery from COVID-19 compared to the control group according to clinical study Abdulrahman E. Koshak et al. "Nigella sativa for the treatment of COVID-19: An open-label randomized controlled clinical trial," *Complementary Therapies in Medicine* 61 (2021) 102769.

Melatonin in the amount of 10 mg per day for 17 days reduced mortality from COVID-19 by 13 times compared to the control group according to a clinical study by Zainab Thanon Hasan et al. "The effect of melatonin on thrombosis, sepsis and mortality rate in COVID-19 patients," *International Journal of Infectious Diseases* (2021).

1% Povidone Iodine gargle and mouthwash, nose drops and eye drops every 4 hours for 4 weeks 8.5 times reduced mortality from COVID-19 compared to a control group according to a clinical study Md. Iqbal Mahmud Choudhury et al. "Effect of 1% povidone iodine mouthwash/gargle, nasal and eye drop in COVID-19 patients," *Bioresearch Communications*, Vol. 7, Iss. 1, January 2021, pp. 919-923.

Curcumin at 160 mg per day for 21 days reduced mortality from COVID-19 by 6 times compared to the control group according to a clinical study Safa Tahmasebi et al. "Nanocurcumin improves Treg cell responses in patients with mild and severe SARS-CoV2," *Life Sciences*, 276 (2021) 119437.

Vitamin A at 200,000 IU per day for 2 days reduced mortality from COVID-19 by 7 times compared to the control group according to clinical study by Mahmood M. Al-Sumiadai et al. "Therapeutic effect of Vitamin A on severe COVID-19 patients," *EurAsian Journal of Biosciences*, 14:7347-7350 (2020).

Vitamin D in the amount of 0.5 μg per day for 14 days eliminated mortality from COVID-19 compared to the control group according to clinical study Elami et al., "A randomized pilot study using calcitriol in hospitalized patients," *Bone*, vol. 154, Jan. 2022, 116175.

Zinc in the amount of 50 mg of elemental zinc (from a 220 mg capsule with zinc sulfate) per day for 5 days reduced mortality from COVID-19 by 5 times compared to the control group according to clinical study Roland Derwandet al. "COVID-19 outpatients - early risk-stratified treatment with zinc plus low dose hydroxychloroquine and azithromycin: A retrospective case series study," *International Journal of Antimicrobial Agents*, 56 (2020) 106214.

At least one substance for binding to the spike protein of the virus can be selected from the group of substances consisting of: pavetannin C1, artemisinin, Artemisia annua, catechin, hesperidin, nelfinavir, procyanidin, cinnamtannin B1, hydroxychloroquine sulfate, 6-glucopyranosyl procyanidin B1, chloroquine, epigallocatechin gallate, procyanidin B7, scopadulcic acid, glycyrrhizic acid, nabiximol, cis-miyabenol C, proanthocyanidin A2, legalon, bismahanin, coagulin N, granatin B, hippophaenin B, oriciacridone F, solanidine, 3-caffeoyl-5-feruloylquinic acid, oleanane, arecatannin A3, coagulin K, myricitrin, tannic acid / gallotannin, afzelin, emodin, kamalachalcone C, pectolinarin, 3,5,3'-trimethoxy-6,7:4',5'-bis(methylenedioxy)flavone, amentoflavone, kaempferol 3-α-L-arabinofuranoside-7-rhamnoside, lycoagrodin, pseudojervine, tenuifolin, withanolide B, bisdesmethylcurcumin, flavin adenine dinucleotide, greacunin E, mulberrofuran G, nimbin, silymarin, strictinin, kaempferol, 1-O-methylpakistanine, agatisflavone, α-chaconine, anomosin A, geraniin, punicalagin, quercetin-7-O-glucoside, rhoifolin, tribulusamide B, quercetin, occidentoside, oxyberberine, pakistanine, plumbazeylanone, saikosaponin U, terchebulin, withanolide E, 3-O-caffeoyloleanolic acid, 3-O-galloylpicatechin-(4β-6)-epicatechin-3-O-gallate, 3-O-trans-p-coumaroyltormentic acid, ashwagandhanolide, ehretiolide, esculeoside A, morin, morphinan-4,5-epoxy-3,6-di-ol, 6-[7-nitrobenzofurazan-4-yl]amino-, punigluconin, saikosaponin V, tercatain, uttronin B, withanone, 24,25-dihydrowithanolide D, hesperetin, heterophyllin, isoquercitrin, lactucopicrin 15-oxalate, phyllanemblinin F, punicortein A, remdesivir, rutin, salacenonal, salvianolic acid B, serpentinine, shinflavanone, tellimagrandin II, trigophenoside E1, vescalagin, withaferin A, withanolide G, withastramonolide, 20β-hydroxy-L-oxo-(22R)-sa-2,5,24-trienolide, 3-O-p-coumaroyloleanolic acid, ajugin A, arecatannin B1, β-solamarin, blestrin C, caryophyllene, cellosin G, coagulin L, coagulin R, diosmin, grossamide / tribulusamide A, herbacetin, isoarboreol, jusbetonin, narirutin, nigrumnin I, phyllaemblicin A, quercetin 7-rutinoside, rugosinone, tellimagrandin I, terflavin A, terminalin, withanolide D, 1,5-dihydroxy-3-methoxy-7-methylanthracene-9,10-dione, 27-hydroxywithanolide B, amlaic acid, artonin M, blestrianol C, coagulin G, cocsoline, eriocitrin, gallic acid 3,4-diphenylmethylene ketal benzyl ester, ginkgetin, glabrolide, isoginkgetin, kaempferitrin, liquorice, meprednisone, milbemycin A3, milbemycin J, O-demethyl demethoxycurcumin, rauvomitine, rhamnocitrin, rotundioside B, solasodine, trigofenoside A, trigofenoside B, ursolic acid / α-ursolic acid, veratridine, withametelin, 3-O-cis-p-coumaroyltormentic acid, 4,6-cholestadin-3β-ol, benzoate, 9,19-cyclolanost-24-en-3-o, α-solasonine, blestrianol B, chebulagic acid, coagulansin A, coagulin C, curcumin,

dihydrokaempferol, echinacin, ellagitannin, eriodictyol-7-O-rutinoside, ethyl cholate, galangin, justicidin D / neojusticin A, justicidin E, luteoxanthin / cis-luteoxanthin, milbemycin A4, milbemycin α 6, NOO- trimethylsparsiflorine, pedunculagin, proanthocyanidin A6, punicortein C, quercetin 3,7-diglucoside, quercetin 3-O-robinobioside, raucaffricin, rubicoumaric acid, rutaecarpine, stigmasteryl glucoside, swertanone, swertiapuniside, taraxerol, withasomniferol C, apigenin-7-glucoside, (E)-cycloarta-23-en-3β-ol, [7,7,12,16-tetramethyl-15-[(E)-5-oxo-5-phenylpent-3-en-2-yl]-6-pentacyclo [9.7.0.01,3.03,8.012,16] octadecanyl] acetate, 4,5-Di-O-caffeoylquinic acid, 9(11)-dehydroergosteryl benzoate, albanol B, anisotine, apigenin, aromolin, artelastoheterol, blestrin D, candesartan, ciliatoside A, coagulansin B, coagulin P, coagulin Q, disogluside / trillin, enoxolone / glycyrrhetic acid, ferreirin, glucofrangulin A, greacunin G, isoleucyltyrosine, isorhamnetin, jaceosidin, lactucopicrin, milbemycin D, mulberofuran K, mulberroside C, naringenin-7-O-glucuronide, orientin, oryzanol C / 24-methylenecycloartenol, phyllaemblicin C, philanemblinin A, punicalin, scutellarein 7-rutinoside, somniferin A, taiwanin E, taraxerol, tomatin, vitexin, withanolide C, withanolide J, withanolide N, withanolide O, withanolide P, withsomniferol B, (3S,3As,6S,6aR)-3,6-bis(1,3-benzodioxol-5-yl)-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-4-ol / 4-hydroxysesamine, 27-deoxywithaferin A, 5,7-dihydroxy-2- (4-hydroxyphenyl)chroman-4-one, 9-cis-β-carotene, artonin A, auroxanthin, coagulin H, coagulin O, cudraflavone A / isocyclomorusin, curryangine / murrayazoline, cycloartenol, ehletianol B, emblicanin A, ginsenoside Rh1, isotrilobin, justicidin F, lanosterol, mesaconine 14-benzoate / benzoylmesaconine, montelukast, pedunculagin, phyllaemblicin B, rescinnamidine, rescinnamine, scutellarin 7-neohesperidoside, siaresinol, stylopine, tricin, trigofoenoside D, trigofoenoside F, trigofoenoside G, withanolide A, withanolide L, withanolide R, withanolide S, (+)-16-gamaceren-3β-ol, 1,6-bis-O-galloyl-β-D-glucose, 2-benzoylguaiazulene, 2-O-trans-P-coumaroyl-maslinic acid, 3,5-dicaffeoylquinic acid, 31-norcycloartenol, 4-feruloyl-5-caffeoylquinic acid, artonin E, artonin F, asparanin B / shatavarin IV, baicalin, benzoylsalireposide, β-sitosterol, β-vulgaroside I, blestrin A, brazilein, calenduloside E, chiratenol, chrysosplenetin, coagulin D, curine, cyanin chloride, daturadiol, daucosterol, delphinidin 3,5-diglucoside, ehletianol A, friedelan-3-one, friedeline-3,4-lactone, ginsenoside Ro, gitogenin, hyppomannin A, hyperin 6"-[glucosyl-(1->3)-rhamnoside] / quercetin 3-glucosyl(1->3)rhamnosyl(1-6)galactoside, kaempferol 3-O-(6"-galloyl)-β-D-glucopyranoside, kairatenol, limonin / (-) limonin, liriodendrin, milbemycin K, murrayazolinol, neogitogenin, oxyacanthine, phyllanemblinin B, phyllanemblinin C, pipericide, proanthocyanidin A1 / procyanidin A1, protopine, scutellarin 7-glucoside, sitosteryl glucoside,

soyasapogenol B 3-O-β-glucuronide, stachysterone D, taraxerol acetate, vitetrefolin D, withacoagin, withacoagulin, withanolide Q, yuccagenin, 14-anisoilaconine, 3-[6-O-(3-O-α-L-rhamnopyranosyl-α-L-rhamnopyranosyl)-β-D-glucopyranosyloxy]-4',5,7-trihydroxyflavone / kaempferol 3-O-xylosyl-rutinoside, afzelechin, ajmalicine, ajugaside A, artelastoxanthone, brazilin, chebulagic acid, coagulin B, crategolic acid, daturaolone, flavidin, friedelin, gedunine, granatin A, hypericin, isomurrayazoline, kakkalide, mangiferin, nobiletin, retrofractamide A, retusin, robinetin 3-rutinoside, tangeretin, withacoagulin G, withacoagulin I, yamogenin, barlerinoside, gallotannins, naringenin, piperolein B, tinosporide, chalcone, eugenol, β-carotene, deoxytubulosine, β-amyrin, glycyrrhizin, adhatodin, troxerutin, panasenoside, rhoifolin, caryophyllene, amarogentin, chebulinic acid, vasicoline, biorobin, desmethylcurcumin, quinine, swertiamarin, vasicolinone, 6-gingerol, acetocavicol acetate, bis(3,5,5-trimethylhexyl) phthalate, myristicin, swertianine, carvacrol, cineole, swerchirin, vasicin, 6-shogaol, andrographolide, berberine, beta-caryophyllene, betulinic acid, cepharanthine, citronellol, black cumin (nigella sativa), dihydrotanshinone I, dimethyl-coclaurine, echinacin, excoecaria toxin, eriodictyol, fangchinoline, phyllaemblicin G7, gallic acid, Griffithsin, cosmosiin, cryptotanshinone, chrysin, kouitchenside D, lectins, lignan, licoflavonol, luteolin, mangostin, matrine, neohesperidin, patchouli alcohol, piceatannol, piperine, resveratrol, rhein, ruvomitin, shikonin, tanshinone, tanshinone IIA, thebaine, tetrandrine, thymoquinone and zingiberine.

At least one receptor binding substance to the virus spike protein can be selected from the group of substances consisting of: mangiferin, gallic acid, nimbolide, glycyrrhizin, delphinidin 3,5-diglucoside, captopril, azadirachtin, 3,5-Di-O-galloylshikimic acid, hesperidin, mulberoside A, saikosaponin A, bilirubin, rutin, scutellarein 7-glucoside, silybin, verbascoside, vincetoxicoside B, baicalin, prim-O-glucosylcimifugin, astragaloside A, corosolic acid, corynoline, cyanidin-3-glucoside, cynaroside, orientin, ilexgenin A, protostemonine, amygdalin, paeoniflorin, ursolic acid, bicuculline, cynancersicoside A, berberine, morusin, puerarin, glabridin, withaferin A, columbianadin, nodakenin, (-)-asperlicin C, arctiin, curcumin, driocrassin, flavylium, tectoridin, swertiajaponin, timosaponin bii, cholic acid, hyodeoxycholic acid, indirubin, oleanic acid, trisalbaspidin ABA, catechin, emodin, irisolidone, poricoic acid A, artemisinin, forsythiaside A, genistein, luteolin, phillygenin, polyphyllin I, radix isatidis A, quercetin, liquiritigenin, procyanidin, xanthiside, andrographolide, chlorogenic acid, daidzein, rhein, cordioside, withanolide A, verbenalin, demethoxycurcumin, codeine, epigallocatechin-gallate, geniposide, niranthin, bisdemethoxycurcumin, isorhamnetin, aloin A, notopterol, rosmarinic acid, aloin, harpagide,

lactucopicrin 15-oxalate, papaverine, atractylenolide I, cyanidin-3-sambubioside, epicatechin-(4β,8)-epicatechin-(4β,6)-catechin, imperatorin, cassameridin, helichrysoside, morphine, arctigenin, chloroquine, tetrahydrocurcumin, avicularin, desmethylcurcumin, diphyllin, catalpol, magnolol, matrine, salidroside, rubrifloralignin A, isoaloresin, cryptotanshinone, echinacin, hispidulin, isoquercitrin, remdesivir, tanshinone, tanshinone IIA, lobetyolin, pterodontic acid, nordihydroguaiaretic acid, cirsimaritin, galangin, taiwanhomoflavone A, bisdesmethylcurcumin, brazilin, brazilein, yatein, vitetrifolin D, withametelin, tinosporin, 6-deoxyglucose-diphyllin, artemisinin, terameprocol, epicatechin-4-epigallocatechin, kaempferol, pedunculagin, schisandrin, hinokinin, afzelin, apigenin, dhelwangin, gallotannins, hupehemonside, imperialin-3-β-n-glucoside, isoevodionol, myricitrin, bicyclol, daturaolone, taraxerol, withanolide A, cordiofolioside A, catechin 5-O-gallate, chrysin, deoxytubulosin, esculetin, trans-anethole, narigin, betulinic acid, chebulinic acid, pseudojervine, scopoletin, zhebeininoside, dipsacoside B, oryciacridone F, 6-gingerol, chebulagic acid, dihydrotanshinone I, punigluconin, tinosporide, verdin, barlerinoside, caffeic acid, cosmosiin, ferulic acid, monospermoside, quercetin 3-glucosyl-(1,4)-rhamnoside, tangeretin, tilianin, cocsoline, isorhoifolin, salviifoside A, trilobine, atractylodin, butrin, withametelin I, aceto cavicol acetate, amantadine hydrochloride, anthraquinone, isotrilobine, pulegone, quercetin 3-O-robinobioside, chrysophanol, alangicin, daturadiol, ephedrine, gmelinol, l(+)-ascorbic acid, linolenic acid, resveratrol, scutellarein 7-neohesperidoside, stigmasterol, hesperetin, naringenin, corydine, astragalin, cephaeline, calceolarioside A, coumalic acid, α-asarone, aloe-emodin, campneoside, citrulline, coclaurine, ellagic acid, leucocyanidin, lignan, acteoside, genistoside, inerminoside A, l-menthol, shikonin, trans-cinnamaldehyde, β-pinene, emblicanin A, patchouli alcohol, α-pinene, arjunic acid, nimbin, platycodin D, vitexin, nobiletin, arecoline, betulinaldehyde, toralactone, glutamic acid, hirsutine, arjungenin, nimbinene, tetramethyl pyrazine, betonyoside A, decanoy acetaldehyde, jamtine, sissotrin, succinic acid, isomeldenin, lirioresinol, isosilybin, taurine, betaine, neohesperidin, piperine, thebaine, berberine, zingiberine, beta-caryophyllene, citronellol, eugenol, hesperitin, lignan, emodin, shikonin, tangeretin, nobiletin, thymoquinone, black cumin / nigella sativa, oleuropein, catechin, saponin, epigallocatechin-gallate, luteolin-7-glucoside, demethoxycurcumin, apigenin-7-glucoside, cingerol, gingerol, allicin, alpha-lipoic acid, rosmarinic acid, epicatechin, harmonyl, gallic acid, lactoferrin and astragalus root polysaccharides.

At least one substance for preventing the entry of the virus into the cell can be selected from the group of substances consisting of: TMPRSS2 inhibitor, TMPRSS4 inhibitor, cathepsin L

inhibitor, cathepsin B inhibitor, PIKfyve inhibitor, TPC2 inhibitor, furin inhibitor, trypsin inhibitor, HAT protease inhibitor, neuropilin-1 inhibitor and CD147 inhibitor.

At least one substance for preventing the entry of the virus into the cell can be selected from the group of substances consisting of: geniposide, excavatolide M, schisphenin A, dictospheric acid A, citocoline, 5-methoxyhydnocarpin, cytidine-5'-diphosphocholine, durumolide K, 5'-methoxyhydnocarpin D, curtesian L, microcarpin, (-)epicatechin-3-O-(3'-O-methyl)gallate, isogemichalcone B, neohesperidine, fusaxanthone A, orthosiphonone D, silybin, myricitrin, withaferin A, naringin, 6S,9R-roseoside, 7-hydroxy-14-deoxywithanolide U, quercitrin, icariin, isoaloresin, hesperidin, liquorice, adlumidine, edgeworoside C, qingdainone, philligenin, glycyrrhizic acid, cis-miyabenol C, pseudo-α-colubrine, aloin, proanthocyanidin A2, granatin B, hippophaenin B, 3-caffeoyl-5-feruloylquinic acid, 3,3'-biplumbagin, agathisflavone, aromoline, chrysophanein, corilagin, granatin A, mulberrofuran Q, nirurin, punicafolin, rhein-8-glucoside, strictinin, arjunetin, chitranone, cordifolide A, dihydrocelastryl diacetate, sojagol, tetrahydrocurcumin, (3S,3As,6S,6aR)-3,6-bis(1,3-benzodioxol-5-yl)-1,4,6,6a-tetrahydrofuro[3,4-c]furan-3,3a-diol, 3-O-caffeoyloleanolic acid, baicalein 6-glucoside, isotubulosin, serpentine, tercatain, cochliophyllin A, limonin, morphinan-4,5-epoxy-3,6-di-ol, 6-[7-nitrobenzofurazan-4 -yl]amino-, punigluconin, raucafricin, telimagradin I, terminalin, 3-O-p-coumaroyloleanolic acid, baicalin, gallic acid 3,4-diphenylmethylene ketal benzyl ester, graecunin G, ketanserin, linarin, luteolin 3'-xyloside, pongachromene, rhein, (-)-epicatechin gallate, (-)-epigallocatechin gallate, 3,5-dicaffeoylquinic acid, 4'-O-methylepigallocatechin-3-O-gallate, alangiside, amentoflavone, annomosin A, artonin M, clitorin, coagulin D, hesperetin 3'-O-glucuronide, isomahanine, jusbetonin, licoisoflavone B, luteolin 3'-glucoside, myricetin 3-neohesperidoside, n,α-L-rhamnopyranosyl vincosamide, oxyacanthine, punicalagin, tubulosin, demethylwedelolactone, isocorilagin, kaempferol 3-neohesperidoside, nomilin, sakuranin, 1,7-dihydroxy-2,3-methylenedioxyxanthone, 5,7-dihydroxychromenylium, 6-(aminomethyl)-3-methyl-2-phenylchromen-4-one, artocarpin, artonin F, bacoside A, coagulin B, cudraflavone C, cyanidin 3-arabinoside, cycloartocarpin A, epigallocatechin-7-glucuronide, glabrone, lampranthin II, LMPK12111081, milbemycin J, parvisoflavone A, procyanidin B2, (+)-gallocatechin-(4α->8)-(+)-catechin, 2-O-trans-p-coumaroyl-maslinic acid, 3'-O-methyl ellagic acid 4-xyloside, 6-hydroxylup-20(29)-en-3-one, alangimarckine, aloe-emodin, artonin A, artonol B, boeravinone C, chebulanin, coagulin J, dicaffeoyltartaric acid, eclabasaponin I, epoxyazadiradione, gallocatechin-(4α->8)-epigallocatechin, glychionide A, guaijaverin, isoartocarpin, isozeylanone, kaempferol 3-O-(6"-

galloyl)-β-d-glucopyranoside, licocoumarin A, lupen-3-one, neoeriocitrin, occidentoside, oryzanol C, physcion, punicacortein A, punicalin, quercetin 3-galactoside 7-rhamnoside, swertiapuniside, tannins, 1,6-bis-O-galloyl-β-d-glucose, 20-epi-4β-hydroxyverazine, 3-methoxy-1,3,5(10)-estratrien-17β-yl o-nitrobenzoate, α-chaconine, aristololactam, arjunglucoside I, bisandrographolide, chebulinic acid, chicoric acid, cosmosiin, cudraflavone A, cudraflavone B, cynaroside, daidzin, epicatechin-3-gallate, griseolic acid A, isorhamnetin 3-neohesperidoside, justicidin E, kaempferol 3-(6'''-rhamnosyl-2'''-glucosyl-glucoside), lanosta-8,24-dien-3-ol, (3β)-, locoracemoside B, milbemycin K, n-methylporphyroxine, norsanguinarine, ononin, phellatin, proanthocyanidin A6, puerarol, raunescine, remdesivir, sitogluside, taiwanin E, tinocordifolioside, 3,3'-dihydroxy-5-methoxy-2,5',6-tris-(p-hydroxybenzyl)bibenzyl, 3-caffeoyl-4-feruloylquinic acid, 6-hydroxyluteolin, 9-cis-β-carotene, artoindonesianin Q, artonin E, auxanthin, benzoylsalireposide, corydine, coumestrol, curine, cyanidin 3-sophoroside-5-glucoside, delphinidin 3,5-diglucoside, delphinidin 3-O-(2''-O-α-rhamnosyl-6''-O-malonyl)-β-glucoside, deoxytubulosine, dicumarol, glycitin, gmelanone, isoarboreol, isoginkgetin, isomahanimbine, justicidin F, justiflorinol, kaempferitrin, kaempferol 3-xylosylglucoside, kotalagenin 16-acetate, lagerstanin C, liquiritin, mahmoodin, malibatol A, narirutin, neoliquiritin, oroxindin, prunin, quercetin 7-rutinoside, riboflavin, chanciguol, stigmasterol glucoside, tetraphylline, tocotrienol, withacoagulin, withanolide B, (-)-cycloartocarpin, (-)-gallocatechin gallate, (3S,3As,6S,6aR)-3,6-bis(1,3-benzodioxol-5-yl)-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-4-ol, 24-methyldesmosterol, 27-hydroxywithanolide B, 4,5-Di-O-caffeoylquinic acid, 4-feruloyl-5-caffeoylquinic acid, ajmalimine, amlaic acid, anolobine, apiin, aricin, artelastoheterol, artelastoxanthone, artocarpesin, artoindonesianin A2, chebulagic acid, coagulin Q, cordifoliside D, corynanthine, cyanidin 3-(6''-malonylglucoside), cycloheterophyllin, delphinidin 3-(6''-malonylglucoside), dihydrodaidzein 7-glucuronide, diphyllin apioside 5''-acetate, eclalbasaponin VII, ellagitannin, euchrestine B, fenugreekine, glabridin, glabroisoflavanone A, glyburide, graecunin E, isoreserpinine, jacareubin, luteolin 4'-neohesperidoside, narcotoline, peonidin 3-arabinoside, peonidin 3-monoglucoside, picrinine, picroside I, plicadin, protopin, psoralidin, pterocarpine, quercetagetin, quercetin 3,7-diglucoside, quercetin 3-diglucoside, salireposide, strictamin, stylopine, tinocordiside, tomatine, vindolinine, withanone, hinokinin, Artemisia annua, artemisinin, bromhexine, E-64, glycyrrhizin, thymoquinone and black cumin / nigella sativa.

At least one substance for preventing virus replication in the cell can be selected from the group of substances consisting of: inhibitor of 3C-like major protease 3CLpro/Mpro, inhibitor of

papain-like protease PLpro, inhibitor of RNA-dependent RNA polymerase RdRp/Nsp12, inhibitor of non-structural proteins Nsp1-Nsp15 and inhibitor of HSPA5.

At least one inhibitor of 3C-like major protease (3CLpro/Mpro) can be selected from the group of inhibitors consisting of: 5,7,3',4'-tetrahydroxy-2'-(3,3-dimethylallyl) isoflavone, (E)-β-farnesene, (E)-nerolidol, geraniol, linalool, myricitrin, methyl rosmarinate, α-copaene, calceolarioside B, licoleafol, (2S)-eriodictyol 7-O-(6"-O-galloyl)-β-D-glucopyranoside, 3,5,7,3',4',5'-hexahydroxy flavanone-3-O-β-D-glucopyranoside, colistin, myricetin 3-O-β-D-glucopyranoside, amaranthin, prulifloxacin, SN00293542, kazinol T (NPC474104), butyrolactone L 3-sulfate (NPC173034), SN00334894, ebenfuran III (NPC476350), monoxerutin, paulowniones A (NPC472630), glycyrrhizin, galangin, NPC124729, NPC164269, NPC298692, NPC187951, NPC67197, brazilin, theaflavin-3-3′-digalate, nimbolide, delphinidin 3,5-diglucoside, NPC474360, NPC189773, NPC143050, silybin, procyanidin, azadirachtin, bisdesmethylcurcumin, TF2a, rutin, desmethylcurcumin, withaferin A, hypericin, theaflavin, robustaflavone, (-)-solenolide A, 7,2"-bieckol, rhusflavone, cordioside, epicatechin-(4β,8)-epicatechin-(4β,6)-catechin, brazilein, ginketin, rinacanthin E, 3,5-Di-O-galloylshikimic acid, hirsutrin, withanolide A, withanoside V, dalpanitin, 7-hydroxyecol-hepta-acetate, agathisflavone, epicatechin-(4',8)-epigallocatechin, hinokiflavone, panasenoside, sorbarin, aceto cavicol acetate, betulinic acid, quercetin 3-glucosyl-(1,4)-rhamnoside, isoaloresin, (-)-asperlicin C, 3,4,5-tri-O-galloylquinic acid, amentoflavone, chrysophanol 8-(6-galloylglucoside), terflavin B, 5-hydroxy-cystofurano-quinol, avicularin, catechin, iso-mulbel-rohromene, mudanpioside J, quercetin 3,5-digalactoside, somniferin, taiwanhomoflavone A, vescalagin, aloin A, isoginkgetin, filigenin, sargaquinoic acid, lupinavir, cyanidin 3,5 -diglucoside, delphinidin-3-0-(6-p-coumaroyl)glucoside,herbacetin, justalaconin, moreloflavone, myricetin 3-rutinoside, neosakuranin, peonidin-3-O-glucoside, proanthocyanidin A2, procyanidin B2, agathisflavone, bonducellpin D, cassemeridin, emblicanin A, graecunin G, kaempferitrin, kaempferol 3-O-β-rutinoside, niranthin, peonidin 3,5-diglucoside, proanthocyanidin A1, procyanidin B1, scutellarein 7-glucoside, 4-(3,4-dihydroxyphenyl)-7-methoxy-5-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]-2H-1-benzopyran-2-one, 5,7-dimethoxyflavanone-4′-O-β-D-glucopyranoside, aloin, artonol B, kaempferol 3-O-(6"-galloyl)-β-D-glucopyranoside, myricetin 3-rhamnoside, rubrifloralignin A, sambicyanin, glabrolide, zeylanone, (-)-gallocatechin gallate, artonin A, coagulin E, cyanidin-3-glucoside, delphinidin-3-O-sambubioside, isorhoifolin, morphinan-4,5-epoxy-3,6-di-ol, 6-[7-nitrobenzofurazan-4-yl]amino-, nicotinamide-adenine-dinucleotide, oriciacridone F, quercetin 3-O-robinobioside, quercetin 7-rutinoside, quercetin-3-D-

xyloside, rhoifolin, robinetin 3-rutinoside, schisandrin, cinchonain IB, diosmin, epicatechin-3-gallate, kaempferol 3-glucuronide, linarin, miquelianin, narcissin, narirutin, neohecogenin, nicotiflorin, nordihydroguaiaretic acid, pelargonidin 3-galactoside ion, peonidin 3-arabinoside, quercetin 3-O-α-L-arabinopyranoside, stylopine, vicenin, withasomniferol B, apigenin 7-O-neohesperidoside, blestrin A, chrysophanein, cyanidin 3-sophoroside 5-glucoside, cyanidin-3-O-rhamnoside, dipsacoside B, echinacin, elenoside, eriocitrin, glabridin, guaijaverin, justicidin E, kaempferol 3-rutinoside 4'-glucoside, myricetin 3-α-L-arabinopyranoside, naringin, patentiflorin B, pedunculagin, pelargonidin 3-glucoside, quercetin 3-O-glucuronide, quercitrin, rhein, triacetoxy-18-hydroxy-2,7-dolabelladiene, 1,3-dicaffeoylquinic acid, 1,6-bis-O-galloyl-β-D-glucose, 3,3'-dihydroxy-5-methoxy-2,5',6-tris-(p-hydroxybenzyl)bibenzyl, 3-[6-O-(3-O-α-L-rhamnopyranosyl-α-L-rhamnopyranosyl)-β-D-glucopyranosyloxy]-4',5,7-trihydroxyflavone, afzelin, arecatannin C1, artonin F, ashwagandhanolide, delphinidin 3-neohesperidoside, eschweilenol C, fenugreekine, gitogenin, guaiaverin, hecogenin, hesperidin, idaein, justicidin D, justicidin F, kamalachalcone C, malvidin 3-arabinoside, marsdenoside, myricetin 3-α-L-arabinofuranoside, neogitogenin, pelargonidin 3-O-rutinoside, peonidin 3-(6"-malonylglucoside), petunidin 3-galactoside, punicacortein C, punicalin, quercetin 3-O-(6"-O-malonyl)-β-D-glucoside, saikosaponin A, taiwanin E, tenuifolin, tetrahydrocurcumin, tribuloside, (-)-epicatechin-3-O-gallate, (-)-epigallocatechin-3-O-gallate, (-)-gallocatechin-3-O-gallate, 3'-methoxy-4',5',7-trihydroxy-3,5-bis(β-D-glucopyranosyloxy)flavylium, α-phellandrene, asparanin B, β-solamarin, blestrianol B, corilagin, cyanidin 3-arabinoside, cyanine chloride, cyclomorusin, granatin A, hyperoside, isoiguesterin, isoiguesterinol, isoquercitrin, kaempferol 3-(6"-malonylglucoside), kakkalide, malvidin 3-galactoside, malvin, myricetin-3-O-β-D-xylopyranoside, neoeriocitrin, pelargonin, punicafolin, quercetin 3-rutinoside-7-glucoside, quercetin 3-xyloside, stachysterone D, tannins, taxifolin-3-glucopyranoside, tulipanin, withanolide B, withanolide R, 10-hydroxyaloin A, 3-caffeoyl-5-ferruloylquinic acid, 3'-O-methyl ellagic acid 4-xyloside, 5,7-dihydroxychrominium, blestritin C, chebulinic acid, chlorogenin, coagulin D, coagulin R, delphinidin 3-arabinoside cation, demethoxycurcumin, fallahydroquinone, gallocatechin-(4α->8)-epigallocatechin, graecunin E, grossamide, isorhamnetin-3-O-glucoside, isorientin 4'-O-glucoside 2"-O-p-hydroxybenzoagte, jusbetonin, luteolin 3'-xyloside, luteolin 7-rutinoside, morusin, nirurin, patentiflorin A, pelargonidin 3-(6"-acetylglucoside), pelargonidin 3-arabinoside, puerarin, somniferine A, tinosporide, withacoagin, X77, yuccagenin, kaempferol, 3,4-dicaffeoylquinic acid, 4-caffeoyl-5-feruloylquinic acid, 4-feruloyl-5-caffeoylquinic acid, 5-glucopyranosyloxy-3',4',7-

trihydroxyneoflavone, 6- deoxyglucosediphyllin, apiin, arctigenin, baicalin, blestrin D, canthin-6-one 9-O-β-glucopyranoside, celastrol, coagulin H, columbin, coptisine, cyanidin 3-glucoside, cyanin, cycloartelastoxanthendiol, cynarin, dihydrocoptisine, dihydrotanshinone I, diphyllin, eriodictyol-7-O-rutinoside, frangulin A, glucofrangulin A, hispidulin 7-glucuronide, isoraunescin, kaempferol 3-(4"-p-coumaroylglucoside), kaempferol 3-xylosylglucoside, lagerstannin C, luteolin 3'-glucoside, mangiferin, meamsitrin, methoxybifurcarenone, montelukast, myricetin 3-O-galactoside, oenin, peonidin 3-monoglucoside, phillanemblinin A, polyphyllin I, punigluconin, quercetin, shidasterone, shinflavanone, sojagol, solasodin, ursolic acid, withanolide L, withasomniferol A, anisotine, apigenin-8-C-glucoside, bavachalcone, bisdemethoxycurcumin, cinnamtannin B1, cirrhopetalanthin, clitorin, coagulin B, coagulin N, cyanidin 3-O-glucoside, cycloheterophyllin, cynaroside, delphinidin 3-glucoside, eclalbasaponin IX, ellagitannin, glychionide A, hesperetin 7-O-neohesperidoside, hylocerenin, kaempferol 7-O-neohesperidoside, meratin, mulberroside C, myricetin 3-galactoside, neoandrographolide, neotigogenin, plicadin, prenylgenistein, propelargonidin, punicortein A, quercetin 3-galactoside 7-rhamnoside, salvianolic acid B, sanguinarine, swertiapuniside, symconoside B, taraxerol, tiliroside, tinosponone, uttronin B, veratridin, verbascoside, withanolide O, withastramonolide, (+)-catechin-3-O-gallate, 3'-methoxypuerarin, 5-hydroxy-3-(4-methoxyphenyl)-4-oxo-4h-chromen-7-yl 6-O-(6-deoxyhexopyranosyl)hexopyranoside, acteoside, ajmalicidin, ajmalicin, alangimarckine, artonin O, baicalein, benzoylsalireposide, blestriarene B, boeravinone F, campneoside, coagulin J, cynancersicoside A, decahydrocyclopenta[a]phenanthren-17-yl] 2-nitrobenzoate, delphinidin 3-galactoside, demethylwedelolactone, deoxytubulosine, gallotannins, hypomannin A, hispaglabridin A, isocorilagin, isorhamnetin 3-neohesperidoside, kaempferol 3-O-D-galactoside, kaempferol 7-O-glucoside, leucoplargonidin 3-O-glucoside, locoracemoside B, murrayazolinine, negundin A, orientin, ovalifolin, peonidin 3-galactoside, phellatin, pleionesin C, proanthocyanidin B2, quercetin 3-sambubioside, quercetin-3-O-β-D-glucopyranoside, quercetin-3-O-malonyglucoside, rhamnetin 3-sophoroside, rhein-8-glucoside, ruscogenin, scutellarein 7-neohesperidoside, tigogenin, tribulusamide B, tubulosine, withacoagulin H, withanolide E, 2"-O-α-L-rhamnopyranosyl-isovitexin, catechin 5-O-gallate, lactucopicrin 15-oxalate, luteolin-7-glucoside, myricetin 3-O-β-D-galactopyranoside, nelfinavir, pectolinarin, procyanidin B7, remdesivir, triptanthrine, wogonoside, yatein, α-ketoamide 13b, amygdalin, berberine, butrin, curcumin, hederin, kaempferol 3-α-L-arabinofuranoside-7-rhamnoside, protostemonine, tinocordiside, amarogentin, artesunate, cordifolioside A, demethoxycurcumin, flavonol glucoside, hesperidin

methylchalcone, nabiximols, naringenin, swertiajaponin, undulatoside A, withanolide, (+)-catechin, adhatodine, bicyclol, corydine, feralolide, friedelin, hesperetin, ilexgenin A, monospermoside, nodakenin, tectoridin, tinosporin, vincetoxicoside B, withamethelin, aloe-emodin, apigenin-7-glucoside, apigenin, β-carotene, bilirubin, cyclocurcumin, epigallocatechin gallate, lactucopicrin, morin, terameprocol, withanolide B, (-)-epigallocatechin, 9-dihydroxyl-2-0-(z)-cinnamoyl-7-methoxyaloesia, aloeresin, cordifolioside A, corynoline, hinokinin, lycorine, mulberroside A, paeoniflorin, thymosaponin BII, (+)-gallocatechin, 6-glucopyranosyl procyanidin B1, astragaloside A, coclaurin, crategolic acid, cyanidin-3-sambubioside, eugenol, forsythiaside A, indirubin, legalon, luteolin, prim-O-glucosylcimifugin, radix isatidis A, tinocordifolioside, vitetrifolin D, withanone, (-)-epiafzelechin, (-)-epicatechin, barlerinoside, genistein, indican, indigo, liquiritigenin, platycodin D, quercetin-7-O-glucoside, chlorogenic acid, daidzein, driocrassin, oleanic acid, vasicoline, verbenalin, arctiin, artemisinin, chrysophanic acid, chrysophanol, chrysophanic acid, daturaolone, isoaloeresin, oleuropein, pavetannin C1, vasicolinone, xanthiside, β-sitosterol, columbianadin, damarenolic acid, emodin, trisalbaspidin ABA, β-caryophyllene, caryophyllene, catalpol, elgonika dimer A, imperatorin, (-)-afzelechin, 7-O-methylaloeresin, cholic acid, codeine, harpagid, himachalol, hyodeoxycholic acid, luteoforol, notopterol, rosmarinic acid, solanidine, stigmasterol, andrographolide, β-amyrin, papaverine, poricoic acid A, quinine, salidroside, silymarin, flavylium, sophoridin, swerchirin, swertiamarin, aloin B, ethyl cholate, geniposide, silvestrol, epicatechin-gallate, hydroxychloroquine sulfate, morphine, shikonin, bicyclogermecrene, chebulagic acid, tangeretin, lobetyolin, magnolol, nobiletin, PGG, swertianin, atractylenolide I, N-cis-feruloyltyramine, cryptotanshinone, chalcone, esculetin, isoevodionol, matrine, trans-anethole, sugiol, pterodontic acid, 6-gingerol, 6-shogaol, carvacrol, scopoletin, vasicine, β-himachalene, caffeic acid, bis(3,5,5-trimethylhexyl) phthalate, ferulic acid, zingerol, gingerol, chloroquine, cineole, myristicin, dhelwangin, ephedrine, L(+)-ascorbic acid, α-asarone, atractylodin, citrulline, coumalic acid, pulegone, L-menthol, arecoline, linolenic acid, glutamic acid, tetramethyl pyrazine, amantadine hydrochloride, succinic acid, trans-cinnamaldehyde, β-pinene, α-pinene, allicin, decanoy acetaldehyde, taurine, betaine, (1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl)ethenyl)decahydronaphthalen-2-yl-2-nitrobenzoate, (S)-(1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl)ethenyl)decahydronaphalen-2-yl-2-amino-3-phenylpropanoate, 2,2-Di(3-indolyl)-3-indolone, 4-hydroxysolonchocarpine, 6-geranyl-4′,5,7-trihydroxy-3′,5′-dimethoxyflavanone, 8β-hydroxyabieta-9(11),13-dien-12-one,

bavachinin, berchemol, biorobin, brosonol E, broussochalcone A, cerevisterol, deacetylcentapicrin, dihomo-γ-linolenic acid, gingerol, phyllaemblinol, harmonyl, houttuynia cordata, isodecortinol, kazinol A, kazinol B, kazinol F, kazinol J, kouitchenside I, cleistocaltone A, cosmosiin, chrysin-7-O-β-glucuronide, coumaroyltyramine, quercetin-3-β-galactoside, neohesperidin, rosmariquinone, savinin, sinaroside, sinigrin, stigmast-5-en-3-ol, tannic acid, tanshinone IIA, thilaflavin gallate and tomentin.

At least one inhibitor of papain-like protease (PLpro) can be selected from the group of inhibitors consisting of: TF2a, theasinensin A, theasinensin B, procyanidin, canthin-6-one 9-O-beta-glucopyranoside, cryptotanshinone, epigallocatechin-gallate, 5-hydroxy-7,8,2'-trimethoxyflavone 5-glucoside, 14-deoxy-11-oxoandrographolide, kushenol K, neoandrographolide, tanshinone, tanshinone IIA, kushenol W, 14-deoxy-11,12-didehydroandrographolide, deoxyandrographolide, shikonin, paniculine, andrographolide, deoxyandrographolide-19β-D-glucoside, curcumin, 5-hydroxy-7,8,2',3'-tetramethoxyflavone, andrographine, 5,7,2',3'-tetramethoxyflavanone, 5-hydroxy-7,2',3'-trimethoxyflavone, emodin, luteolin, withanolide A, glycyrrhizin, quercetin, paniculid B, resveratrol, kaempferol, paniculide A, isocodonocarpine, matrine, calonysterone, lignan, paniculide C, dihydrotanshinone I, GRL0617, quercetin-7-O-glucoside, baicalin, betulyl acid, hesperidin, patchouli alcohol, (S)-(1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl)ethenyl)decahydronaphalen-2-yl-2-amino-3-phenylpropanoate, 2,2-Di(3-indolyl)-3-indolone, 4-hydroxysolonchocarpine, broussochalkone A, broussonol E, coumaroyltyramine, kazinol A, kazinol B, kazinol F, kazinol J, rosmarinic acid, tanshinone IIA, sinigrin, tomentin, 3′-O-methyldiplakol, 3′-O-methyldiplakone, 3-isotheaflavin-3-gallate, 4′-O-methyldiplakol, 4′-O-methyldiplakone, 4′-O-methylbavachalcone, 6-geranyl-4′,5,7-trihydroxy-3′,5′-dimethoxyflavanone, β-sitosterol, diarylheptanoids, diplakone, flavonoids, isobavachalcone, magnolol, mupinamide, neovavaisoflavone, ouabain, phaitanthrin D, piceatanol, bavachinin, platycodine D, 2-(3,4-dihydroxyphenyl)-2-[[2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl]oxy]-3,4-dihydro-2H-1-benzopyran-3,4,5,7-tetrol, sugetriol-3,9-diacetate, neohesperidin and chrysin.

At least one inhibitor of RNA-dependent RNA polymerase (RdRp) can be selected from the group of inhibitors consisting of: theaflavin 3,3'-digallate, digalloylprocyanidin B2, theaflavin 3'-gallate, tribulosid, cyanidin 3-(6"-manlonylglucoside), silybin, isoorientin 6-o"-β-D-glucopyranoside, caftaric acid, hirsutrin, chrysophanol 8-(6-galloylglucoside), eriodictyol-7-O-

rutinoside, fenugreekine, luteolin 7-rutinoside, taiwanhomoflavone A, apigenin-7-O-rutinoside, cyanidin 3,5-diglucoside, isoquercitrin, narirutin, withanolide A, glycyrrhizin acid, hippomannin A, isoginkgetin, kaempferol 3-O-(6"-galloyl)-β-D-glucopyranoside, kaempferol-3-O-glucuronide, myricetin 3-rutinoside, quercetin-7-O-glucoside, rotundioside B, tellimagrandin I, terrestric acid, agathisflavone, apigenin 7-gentiobioside, emblicanin A, fraxicarboside A, ginsenoside Ro, isorhoifolin, luteolin 8-C-β-glucopyranoside, rhamnoliquiritin, dihydrotanshinone I, kaempferol 7-(6"-galloylglucoside), phyllanemblinin C, punicalagin, punigluconin, rhoifolin, rocymosin B, scropolioside D, tercatain, trigofoenoside G, withaferin A, ginkgetin, phyllanemblinin F, quercetin-3-gentiobioside, hypophaenin B, quercetin, chebulinic acid, liquorice, morphinan- 4,5-epoxy-3,6-di-ol, 6-[7-nitrobenzofurazan-4-yl]amino-, nirurin, N-methylsolazodine, plumbazeylanone, aloin, bismahanin, camelliaside A, clitorin, epiafzelechin 3-O-gallate, geraniin, ginsenoside Rb1, glucofrangulin A, glucofrangulin B, myricetin 3-rhamnoside, naringin, nicotinamide-adenine-dinucleotide, nigrumnin I, orientin 2"-O-gallate, oroxindin, pedunculagin, phyllaemblicin B, procyanidin B2, quercetin 3-gentiobioside, strictinin, tannins, terchebulin, terminalin, tomatine, trigofoenoside F, 3-O-caffeoyloleanolic acid, 3-O-p-coumaroyloleanolic acid, aloin A, arecatannin A3, baicalein 6-glucoside, celosin G, degalactotigonin, delphinidin 3-(6-p-coumaroyl)glucoside, isozeylanone, linarin, myricetin 3-neohesperidoside, occidentoside, procyanidin B1, punicacortein C, punicafolin, punicalin, soyasaponin I, (-)-epicatechin gallate, α-chaconine, β-solamarine, chrysophanein, ehretiolide, kaempferol 3-xylosylglucoside, lampranthin II, phyllanemblinin A, phyllanemblinin D, phyllocactin, quercetin 3-β-D-glucoside, quercetin 3-sambubioside, rauvomitin, 13-cis-crocin, 27-hydroxywithanolide B, 3-[6-O-(3-O-α-L-rhamnopyranosyl-α-L-rhamnopyranosyl)-β-D-glucopyranosyloxy]-4',5,7-trihydroxyflavone, arecatannin B1, chebulagic acid, delphinidin 3-galactoside, gmelanone, locoracemoside B, luteolin 4'-glucoside, mudanpioside J, phyllaemblicin A, phyllanemblinin B, procyanidin B3, procyanidin B4, propelargonidin, robinetin 3-rutinoside, sambicyanin, tulipanin, α-hederin, (-)-epigallocatechin gallate, 1,6-bis-O-galloyl-β-D-glucose, 4'-O-methylepigallocatechin-3-O-gallate, amlaic acid, β-carotene, calenduloside E, ciliatoside A, cis-myabenol C, coagulin Q, corilagin, hylocerenin, isoaloresin, jusbetonin, kaempferol 3-(6"-malonylglucoside), limonin, neogitogenin, neohesperidin, neotigogenin, nicotiflorin, pelargonidin 3,5-diglucoside, phyllanemblinin E, quercetin-7-rutinoside, rescinnamine, rutin, soysapogenol B 3-O-β-glucuronide, swertiapuniside, (3S,3As,6S,6aR)-3,6-bis(1,3-benzodioxol-5-yl)-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-4-ol, 3'-O-methyl ellagic acid 4-xyloside, α-carotene, arjunetin, boeravinone C, chebulanin, delphinidin 3-

neohesperidoside, glychionide A, hesperetin 3'-O-glucuronide, lagerstannin C, meratin, miquelianin, myricetin, myricetin 3-O-galactoside, neoβnin, neoeriocitrin, nordihydroguaiaretic acid, populene H, quercetin 3-galactoside 7-rhamnoside, quercetin 3-glucosyl(1-3)rhamnosyl(1-6)galactoside, sarsaponin, schisandrin, serpentinine, tannic acid, terflavin A, terflavin B, trigofoenoside A, 24,25-dihydrowithanolide D, benzoylsalireposide, coagulin K, coccineone B, cyanidin 3,5-diglucoside, cyanidin-3-O-sophoroside-5-O-glucoside, cyanine chloride, δ-viniferin, ehletianol D, ellagic acid, ellagitannin, liquiritic acid, LMPK12111081, orientin, pelargonin, phyllaemblicin C, populene C, procyanidin A1, reserpine n-oxide, reserpine, rubrifloralignin A, taiwanin E, tricrocin, 1-O-methylpakistanine, 3,3'-Di-O-methylellagic acid, artesunate, asparanin B, auroxanthin, baicalin, cynaroside, eriocitrin, kaempferol 3-neohesperidoside, locoracemoside C, luteolin 4'-neohesperidoside, oripavine, pakistanine, pelargonidin 3-(6"-acetylglucoside), quercetin 3-rutinoside-7-glucoside, raunescin, salvianolic acid A, scutellarein 7-glucoside, stylopine, trigofoenoside D, 13-cis-β-carotene, 2-O-trans-p-coumaroyl-maslinic acid, 3-hydroxy-4,5-bis(hydroxymethyl)-2-(3-methylbut-2-en-1-yl)phenyl 2,4-dihydroxy-6-methylbenzoate, acteoside, bacoside A, bellericoside, carbenoxolone, coagulin n, coptisine, cordioside, cyanidin 3-sophoroside-5-glucoside, delphinidin 3,5-diglucoside, ehletianol A, ehletianol B, ehletianol C, glabrolide, griseolic acid, justicidin E, kakkalide, malonylginsenoside Rb(1), myricetin 3-α-L-arabinofuranoside, notoginsenoside R2, oenin, o-methylpsychothrine, oryzanol C, peonidin 3-(6"-malonylglucoside), petunidin, plicadin, punicortein A, quercetin 3,5-digalactoside, quercimeritrin, riboflavin, selinidin, sericoside, sophoraflavonoloside, theaflavin, tigogenin, trigofoenoside E1, withasomniferol B, 1,7-dihydroxy-2,3-methylenedioxyxanthone, ajmalimine, arjunglucoside L, arjunic acid, cucurbitacin K, cyanidin 3-arabinoside, glucoliquiritin apioside, kaempferol 3-(4"-p-coumaroylglucoside), kutkosid, mangiferin, myricetin 3-α-L-arabinopyranoside, myricetin-3-O-β-D-xylopyranoside, narcissin, populene G, proanthocyanidin A1, proanthocyanidin A2, proanthocyanidin B2, quercetagetin, quercetin 3,7-diglucoside, quercetin 3-diglucoside, raucaffricine, rhamnetin, rubicoumaric acid, phillygenin, arctigenin, bisdemethoxy-curcumin, cordiofolioside A, lactucopirin 15-oxolate, demethoxycurcumin, curcumin, tinosporin, tetrahydrocurcumin, 6-deoxyglucose-diphyllin, bicyclol, amarogentin, terameprocol, diphyllin, niranthin, aloe-emodin, catechin, β-carotene, hinokinin, corydine, yatein, chrysophanol, β-amyrin, swertiamarin, adhatodin, vasicolinone, anisotin, vasicoline, β-sitosterol, epigallocatechin-gallate, swerchirin, swertianin, caryophyllene, vasicin, carvacrol, eugenol, cineole, (1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-

yl)ethenyl)decahydronaphthalen-2-yl 5-((R)-1,2-dithiolan-3-yl) pentanoate, 2-(3,4-dihydroxyphenyl)-2-[[2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl]oxy]-3,4-dihydro-2H-1-benzopyran-3,4,5,7-tetrol, sugestriol-3,9-diacetate, (R)-((1R,5aS,6R,9aS)-1,5a-dimethyl-7-methylene-3-oxo-6-((E)-2-(2-oxo-2,5-dihydrofuran-3)-yl)ethenyl)decahydro-1H-benzo[c]azepin-1-yl)methyl 2-amino-3-phenylpropanoate, 1,2,6-trimethoxy-8-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]-9H-xanthen-9-one, 1,7-Dihydroxy-3-methoxyxanthone, 1,8-Dihydroxy-6-methoxy-2-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]-9H-xanthen-9-one, 14-deoxy-11,12-didehydroandrographolide, 14-hydroxycyperotundone, 2β,30β-Dihydroxy-3,4-seco-friedelolactone-27-lactone, and 8-(β-D-glucopyranosyloxy)-1,3,5-trihydroxy-9H-xanthen-9-one.

At least one inhibitor of nonstructural proteins Nsp1 to Nsp15 can be selected from the group of inhibitors consisting of: lactose, procyanidin, esculin, gingerenone, shogaol, tribuloside, isooerientin, hirsutrin, silybin, guaijaverine, isosilybin, legalon, puddumin A, picrasidin M, (+)-epiexcelsin, isorheadine, euphorbetin, picrasidine N, ovigerine, cassamedine, hernandonin, picriside A, convolvidine, saikosaponin V, saikosaponin U, neosakuranin, and roifoilin.

At least one HSPA5 inhibitor can be selected from the group of inhibitors consisting of: daidzein, genistein, formononetin, biochanin A, chlorogenic acid, linolenic acid, caffeic acid phenethyl ester, caffeic acid, cis-p-coumaric acid, palmitic acid, hydroxytyrosol, tipiracil, genistodin, biorobin, persiconin, isorchoiphoin, and platycodin D.

At least one substance for preventing virus replication in the cell can be selected from the group of substances consisting of: artemisinin, Artemisia annua, zinc, zinc derivatives, curcumin, desmethylcurcumin, bisdesmethylcurcumin, nimbin, withaferin A, piperine, mangiferin, thebaine, berberine, andrographolide, quercetin, luteolin, glycyrrhizin, patchouli alcohol, baicalin, resveratrol, naringenin, zingiberine, beta-caryophyllene, citronellol, eugenol, hesperidin, hesperitin, neohesperidin, kaempferol, lignan, emodin, betulinic acid, tanshinone, tanshinone IIA, cryptotanshinone, dihydrotanshinone I, shikonin, matrine, catechin, epigallocatechin-gallate, chrysin, cosmosiin, andrographyside, demethoxycurcumin, rosmarinic acid, sinigrin, tomentin, betulonal, gnidicin, platycodin D, sugiol, lignan, brosochalcone B, brosoflavan A, procyanidin A2, beta-sitosterol, diarylheptanoids, diplakone, flavonoids, isobavachalcone, magnolol, mupinamide, neobavaisoflavone, ouabain, phaitanthrin D, kouitchenside D, piceatanol, bavachinin, amentoflavone, andrograpanin, apigenin, bercemol, biorobin, cerevisterol, bruzochalcone A, brusonol E, coumaroyltyramine, kaempferol, kazinol A, kazinol B, kazinol F, kazinol J,

phyllaemblinol, homoV.in, kouitchenside A, kouitchenside H, myricetin, rutin, scutellarin, triptexantoside D, cinnamtannin B1, cleistocaltone A, decethylcentapicrin, hinokinin, indigo, isodecortinol, kouitchenside I, lycorine, oleanolic acid, rosmariquinone, savinin, tannic acid, betulinic acid, harmonyl, dihomo-γ-linolenic acid, α-glucosyl hesperidin, phyllaemblicin B, cefpiramide, lymecycline, piperacillin, streptomycin, tetracycline, vitexin, wogonoside, sinefungin, melatonin, coumaroyltyramine, probiotics, ursolic acid, N-cis-feruloyltiramine, 3′-O-methyldiplacol, 3′-O-methyldiplacone, 3-isotheaflavin-3-gallate, 4′-O-methyldiplacol, 4′-O -methyldiplakone, 4'-O-methylbavachalcone, 4-hydroxysolonchocarpine, 2,2-Di(3-indolyl)-3-indolone, sugetriol-3,9-diacetate, 14-hydroxycyperotundone, 2,2-Di(3-indolyl)-3-indolone, 14-deoxy-11,12-didehydroandrographolide, 1,7-Dihydroxy-3-methoxyxanthone, 8β-hydroxyabieta-9(11),13-dien-12-one, 6-geranyl-4′,5,7-trihydroxy-3′,5′-dimethoxyflavanone, 7-methoxycryptopleurin, 4-hydroxyisolonchocarpine, stigmast-5-en-3-ol, chrysin-7-O-β-glucuronide, quercetin-3-β-galactoside, quercetagetin 6-O-β-D-glucopyranoside, theaflavin 3,3′-di-O-gallate, 2β,30β-Dihydroxy-3,4-seco-friedelolactone-27-lactone, 6-geranyl-4′,5,7-trihydroxy-3′,5′-dimethoxyflavanone,3′-(3-methylbut-2-enyl)-3′,4,7-trihydroxyflavan, 8-(β-D-glucopyranosyloxy)-1,3,5-trihydroxy-9H-xanthen-9-one, 2β-hydroxy-3,4-seco-friedelolactone-27-oic acid, 1-hydroxy-2,6-dimethoxy-8-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]- 9H-xanthen-9-one, 1,2,6-trimethoxy-8-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]-9H-xanthen-9-one, 1,8-Dihydroxy-6-methoxy-2-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]-9H-xanthen-9-one, 3,5-dimethoxy-1-[(6-ObD-xylopyranosyl-bD-glucopyranosyl)oxy]-9H-xanthen-9-one, 8,2-dihydroxy-3,4,5-trimethoxy-1-[(6-ObD-xylopyranosyl-bD-glucopyranosyl)oxy]-9H-xanthen-9-one, (1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl))ethenyl)decahydronaphthalen-2-yl-2-nitrobenzoate 2-(3,4-dihydroxyphenyl)-2-[[2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl]oxy]-3,4-dihydro-2H-1-benzopyran-3,4,5,7-tetrol, 2-((1R,5R,6R,8aS)-6-hydroxy-5-(hydroxymethyl)-5,8a-dimethyl-2-methylenedecahydronaphthalen-1-yl)ethyl benzoate, (S)-(1S,2R,4aS),5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl)ethenyl)decahydronaphalen-2-yl-2-amino-3-phenylpropanoate, (R)-((1R,5aS,6R,9aS)-1,5a-dimethyl-7-methylene-3-oxo-6-((E)-2-(2-oxo-2,5-dihydrofuran-3)-yl)ethenyl)decahydro-1H-benzo[c]azepin-1-yl)methyl 2-amino-3-phenylpropanoate, and (1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl))ethenyl)decahydronaphthalen-2-yl 5-((R)-1,2-dithiolan-3-yl) pentanoate.

Masses of substances used on a daily basis can be selected from the group consisting of:

between 5 and 500 mg of at least one substance for binding to the spike protein of the virus,

between 5 and 500 mg of at least one substance for binding to the receptor of the virus spike protein,

between 5 and 500 mg of at least one substance for preventing the virus from entering the cell, and

between 5 and 500 mg of at least one substance for preventing virus replication in cells.

A multitarget antiviral dietary supplement may additionally contain at least one substance for increasing the bioavailability of other substances.

At least one substance for increasing the bioavailability of other substances can be selected from the group of substances consisting of: quercetin, epigallocatechin gallate, bromelain, piperine, and sunflower phospholipids (lecithin).

An example of a narrow selection of substances for binding to the spike protein of the virus is: artemisinin, catechin, hesperidin, procyanidin, epigallocatechin gallate, curcumin, and quercetin.

An example of a narrow selection of substances for binding to the receptor of the virus spike protein is: mangiferin, nimbolide, glycyrrhizin, azadirachtin, rutin, luteolin, epigallocatechin gallate, curcumin, and quercetin.

An example of a narrowed choice of substances for preventing virus entry into cells is: neohesperidin, myricitrin, naringin, hesperidin, licorice, luteolin, epigallocatechin gallate, curcumin, and quercetin.

An example of a narrowed choice of substances for preventing viral replication in cells (3C-like major protease inhibitor 3CLpro/Mpro) is: linalool, myricitrin, glycyrrhizin, theaflavin 3,3'-digallate, procyanidin, nimbolide, azadirachtin, theaflavin, epigallocatechin gallate, curcumin, and quercetin.

An example of a narrowed choice of substance for preventing viral replication in cells (papain-like protease inhibitor PLpro) is: theasinensin A, theasinensin B, procyanidin, epigallocatechin gallate, curcumin, luteolin, glycyrrhizin, and quercetin.

An example of a narrowed choice of substance for preventing viral replication in cells (inhibitor of RNA-dependent RNA polymerase RdRp) is: theaflavin 3,3'-digallate, theaflavin 3'-gallate, luteolin, theaflavin, epigallocatechin gallate, curcumin, and quercetin.

An example of a narrowed choice of substance for preventing viral replication in cells

(inhibitor of non-structural proteins Nsp1-Nsp15 is: procyanidin.

A multitarget antiviral dietary supplement may additionally contain at least one essential micronutrient.

At least one essential micronutrient can be selected from the group of substances consisting of: vitamin D3, vitamin K2, vitamin A, vitamin C, zinc and magnesium.

Masses of essential micronutrients used on a daily basis can be selected from the group consisting of:

between 1,000 IU (25 µg) and 5,000 IU (125 µg) of vitamin D3,

between 50µg and 250µg of vitamin K2,

between 25,000 IU (7,500 µg retinol) and 125,000 IU (37,500 µg of retinol) of vitamin A,

between 200 mg and 1,000 mg of vitamin C,

between 10 mg and 50 mg of zinc, and

between 50 mg and 250 mg of magnesium.

An example of a narrow choice of essential micronutrients on a daily basis is:

vitamin D3 2,000 IU (50 µg),

zinc 30-40 mg,

vitamin K2 100 µg, and

magnesium 200 mg.

A multitarget antiviral dietary supplement may additionally comprise at least one substance for fibrinolysis.

At least one substance for fibrinolysis can be selected from the group of substances consisting of: bromelain, nattokinase and honokiol.

Masses of substances for fibrinolysis used on a daily basis can be selected from the group consisting of:

between 50 mg and 500 mg of bromelain,

between 200 FU (10 mg) and 2000 FU (100 mg) of nattokinase, and

between 25 mg and 250 mg of honokiola.

A multitarget antiviral dietary supplement may additionally contain at least one substance for treatment.

At least one substance for treatment can be selected from the group of substances consisting of: antipyretic, anticoagulant, antibiotic, antihistamine, antiviral, cough medicine, immune system modulator, IL-1 inhibitor, IL-6 inhibitor, H2 blocker, cytostatic, aspirin,

phenazone, celecoxib, diclofenac, ibuprofen, indomethacin, naproxen, oxaprozin, piroxicam, heparin, warfarin, rivaroxaban, dabigatran, apixaban, edoxaban, enoxaparin, fondaparinux, levofloxacin, doxycycline, azithromycin, amoxicillin, clarithromycin, clavulanate, azelastine, diphenhydramine, lactoferrin, proxalutamide, sotrovimab, ivermectin, fluvoxamine, molnupiravir, bamlanivimab, bamlanivimab/etesevimab, casirivimab/imdevimab, nitazoxanide, favipiravir, colchicine, hydroxychloroquine, chloroquine, remdesivir, metformin, N-acetylcysteine, dexamethasone, prednisone, prednisolone, methylprednisolone, cortisone, hydrocortisone, baricitinib, merimepodib, amlodipine, losartan, famotidine, nizatidine, ranitidine, roxatidine, lafutidine, lavoltidine, niperotidine, heparin, camostat, camostat mesylate, nafamostat, paxlovid (nirmatrelvir/PF-07321332 and ritonavir), lufotrelvir (PF-07304814), otilimab, tixagevimab/cilgavimab, MEDI3506, apixaban, rivaroxaban, lopinavir, ritonavir, ribavirin, glucocorticoid, beclomethasone, betamethasone, budenoside, triamcinolone, dextromethorphan, benzonatate, infliximab, basiliximab, daclizumab, rapamycin, interferon b-lb, rilonacept, canakinumab, gevokizumab, tocilizumab, siltuximab, sarilumab, ranitidine, famotidine, nizatidine, roxatidine, lafutidine, lavoltidine, niperotidine, azathioprine, methotrexate, mycophenolate, clofazimine, teicoplanin, dalbavancin, oritavancin, telavancin, rifampicin, saquinavir, astaxanthin, IFN-γ, alloxistatin, clenbuterol, arbidol, VBY-825, CAA-0225, ZM201636, apilimod, tetrandrine, pemirolast, benserazide, pyruvic acid calcium isoniazid, protirelin, carbazochrome, nitrofurantoin, sapropterin, vidarabine, tazobactum, phenformin hcl, vildagliptin, sitagliptin, saxagliptin, linagliptin, gemigliptin, anagliptin, teneligliptin, alogliptin, trelagliptin, omarigliptin, evogliptin, gosogliptin, dutogliptin, antagonistic peptide-9 (AP-9), SP-8356, decanoyl-RVKR-CMK, naphthofluorescein, atazanavir, saquinavir, darunavir, indinavir, amprenavir, nelfinavir, fosamprenavir, tipranavir, benadryl, diphenhydramine, hydroxyzine, azelatin, paritaprevir, fijimycin A, cocurin, cyclosporin A, dactinomycin, daptomycin, emericelamidis A, trichoderin, martiapeptide, leodoglucomid, ungisin, lyolamycin, brunsvicamide A, tyrocidin A, 11-O-methylpseurotin A, lobocyclamide B, ngerheumicin I, ngerkeumicin I, nocathiacins I, solonamide A, thiocoralin, gramicidin S, guangomidis A, meplazumab, moxidectin, doramectin, oelandrin, selamectin, okadaic acid, gitoformate, amphotericin_B, P-57AS3, eprinomectin, concamanmycin A, natamycin, nystatin, beta-eskin, fusicoquine, levomefolic acid and probiotic.

An example of a narrowed choice of substance for treatment on a daily basis is:

N-acetylcysteine 150 mg,

Aspirin 100 mg (against blood clots), and

probiotic.

The following examples show a possible composition of a multitargetantiviral dietary supplement according to the present invention per daily dose, which can be increased or decreased as needed, for contribution to: prevention of viral infection, home treatment of viral infection, hospital treatment of viral infection, recovery after viral infection, reduction of side effects of drugs and reduction of side effects of vaccines.

Example 1.

250 mg artemisinin,
250 mg curcumin,
250 mg quercetin,
250 mg bromelain,
200 mg of N-acetylcysteine,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 2.

250 mg artemisinin,
250 mg curcumin,
250 mg quercetin,
250 mg nattokinase,
200 mg of N-acetylcysteine,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 3.

250 mg artemisinin,
250 mg curcumin,

250 mg quercetin,
250 mg honokiol,
200 mg of N-acetylcysteine,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 4.

250 mg artemisinin,
250 mg curcumin,
250 mg quercetin,
250 mg bromelain,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 5.

250 mg artemisinin,
250 mg curcumin,
250 mg quercetin,
250 mg nattokinase,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 6.

250 mg artemisinin,
250 mg curcumin,
250 mg quercetin,

250 mg honokiol,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 7.

250 mg artemisinin,
250 mg curcumin,
200 mg epigallocatechin gallate,
200 mg piperine,
250 mg bromelain,
200 mg of N-acetylcysteine,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 8.

250 mg artemisinin,
250 mg curcumin,
200 mg epigallocatechin gallate,
200 mg piperine,
250 mg nattokinase,
200 mg of N-acetylcysteine,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 9.

250 mg artemisinin,

250 mg curcumin,
200 mg epigallocatechin gallate,
200 mg piperine,
250 mg honokiol,
200 mg of N-acetylcysteine,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 10.

250 mg artemisinin,
250 mg curcumin,
200 mg epigallocatechin gallate,
200 mg piperine,
250 mg bromelain,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 11.

250 mg artemisinin,
250 mg curcumin,
200 mg epigallocatechin gallate,
200 mg piperine,
250 mg nattokinase,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 12.

250 mg artemisinin,
250 mg curcumin,
200 mg epigallocatechin gallate,
200 mg piperine,
250 mg honokiol,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 13.

250 mg curcumin,
250 mg quercetin,
250 mg bromelain,
200 mg of N-acetylcysteine,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 14.

250 mg curcumin,
250 mg quercetin,
250 mg nattokinase,
200 mg of N-acetylcysteine,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 15.

250 mg curcumin,
250 mg quercetin,
250 mg honokiol,
200 mg of N-acetylcysteine,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 16.
250 mg curcumin,
250 mg quercetin,
250 mg bromelain,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 17.
250 mg curcumin,
250 mg quercetin,
250 mg nattokinase,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 18.
250 mg curcumin,
250 mg quercetin,
250 mg honokiol,
15 mg zinc,

2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2, and
200 mg magnesium.

Example 16.

500 mg nigella sativa,
250 mg curcumin,
250 mg quercetin,
250 mg bromelain,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2,
200 mg magnesium, and
100,000 IU (2,500 µg) of vitamin A (retinol).

Example 17.

500 mg nigella sativa,
250 mg curcumin,
250 mg quercetin,
250 mg nattokinase,
15 mg zinc,
2,000 IU (50 µg) vitamin D3 (calciferol),
150 µg vitamin K2,
200 mg magnesium, and
100,000 IU (2,500 µg) of vitamin A (retinol).

Example 18.

500 mg nigella sativa,
250 mg curcumin,
250 mg quercetin,
250 mg honokiol,
15 mg zinc,

2,000 IU (50 µg) vitamin D3 (calciferol),

150 µg vitamin K2,

200 mg magnesium, and

100,000 IU (2,500 µg) of vitamin A (retinol).

A method for administering a multitarget antiviral dietary supplement can comprise an administration selected from the group consisting of: oral administration, rectal administration, respiratory administration, inhalation administration, spray administration, nasal spray administration, throat spray administration, nasal drop administration, drop administration for eyes, administration by throat tablets, administration by intramuscular injection, administration by intravenous injection, administration by intra-arterial injection, administration by subcutaneous injection, administration by skin absorption, administration in drink, administration in food, administration in toothpaste, administration in mouthwash, administration with drugs, administration with nanoemulsions, administration with mesoporous silicon nanoparticles, administration with solid lipid nanoparticles, administration with liposomes, administration with niosomal gels, and administration with solid dispersions.

A method for administering a multitarget antiviral dietary supplement may comprise administration with the aforementioned amounts of substances used on a daily basis to contribute to: prevention of viral infection, recovery after recovery from viral infection, reduction of side effects of drugs for the treatment of viral infection, and reduction of side effects of vaccines against viral infection.

A method for administering a multitarget antiviral dietary supplement may comprise administration with multiple of the aforementioned masses of substances used on a daily basis to contribute to: home treatment of a viral infection and hospital treatment of a viral infection.

Industrial Applicability

A multitarget dietary supplement can be used to contribute to: prevention of viral infection, home (outpatient) treatment of viral infection, hospital (inpatient) treatment of viral infection, recovery after viral infection, reduction of side effects of drugs and reduction of side effects of vaccines, where the viruses can be: SARS-CoV-2, SARS-CoV, MERS, Influenza, HIV-1, HCoV-229E, HCoV-NL63, HCoV-OC43, HCoV-HKU1, Hepatitis, Dengue, West Nile Virus, Zika Virus, Nipah Virus, Ebola Virus, Marburg Virus, and many others, whereby the selected

substances can be optimized for individual viruses.

Although certain embodiments of the present invention have been explained and illustrated, various modifications and equivalents of the present invention may be designed by those skilled in the art. In view of the above, it is the applicant's intention that the patent claims be interpreted to include such modifications and equivalents.

CLAIMS

1. A multitarget antiviral dietary supplement, comprising: at least two ingredients selected from the group consisting of: at least one substance for binding to the virus spike protein, at least one substance for binding to the virus spike protein receptor, at least one substance for preventing virus entry into the cell, and at least one substance for preventing virus replication in the cell.

2. The multitarget antiviral dietary supplement of claim 1, wherein at least one substance for preventing virus replication in the cell is selected from the group of substances consisting of: at least one substance for preventing the separation of the genetic content of the virus from the envelope of the virus in the cell, at least one substance for preventing the translation of the viral replication machinery in the cell, at least one substance for preventing the replication of the genetic content of the virus in the cell, at least one substance for preventing the translation of viral structural proteins in the cell, at least one a substance for preventing the assembly of a new virus in the cell, and at least one substance for preventing the exit of the newly assembled virus from the cell.

3. The multitarget antiviral dietary supplement of claim 1, wherein the virus is selected from the group of viruses consisting of: adeno-associated virus, aichi virus, Australian bat lyssavirus, avian influenza virus, BK polyomavirus, banna virus, barmah forest virus, bunyamwera virus, La Crosse bunyavirus, snow rabbit bunyavirus, cercopithecine herpesvirus, Chandipura virus, chikungunya virus, cosavirus A, cowpox virus, coxsackieviruses, Crimean-Congo hemorrhagic fever virus, dengue virus, dhori virus, dugbe virus, duvenhage virus, eastern equine encephalitis virus, ebolavirus, echovirus, encephalomyocarditis virus, Epstein-Barr virus, European bat lyssavirus, GB virus C/hepatitis G virus, hantaan virus, hendra virus, hepatitis A virus, hepatitis B virus, hepatitis C virus, hepatitis E virus, hepatitis delta virus, horsepox virus, human adenovirus, human astrovirus, human coronavirus HCoV-229E, human coronavirus HCoV-NL63, human coronavirus HCoV-OC43, human coronavirus HCoV-HKU1, human cytomegalovirus, human enterovirus 68,70,71, human herpesvirus 1, human herpesvirus 2, human herpesvirus 6, human herpesvirus 7, human herpesvirus 8, human immunodeficiency virus, human papillomavirus 1, human papillomavirus 2, human papillomavirus 16,18, human parainfluenza, human parvovirus B19, human respiratory syncytial virus, human rhinovirus, human spumaretrovirus, human T-

lymphotropic virus, human torovirus, influenza A virus, Influenza B, Influenza C virus, Isfahan virus, JC polyomavirus, Japanese encephalitis virus, Junin arenavirus, KI polyomavirus, Kunjin virus, Lagos bat virus, Lake Victoria marburgvirus, Langat virus, Lassa virus, Lordsdale virus, Louping ill virus, lymphocytic choriomeningitis virus, machupo virus, mayaro virus, MERS coronavirus, measles virus, mengo encephalomyocarditis virus, polyoma virus, Merkel cell polyomavirus, mokola virus, molluscum contagiosum virus, monkeypox virus, norovirus, mumps virus, Murray valley encephalitis virus, New York virus, nipah virus, norwalk virus, o'nyong-nyong virus, orf virus, oropouche virus, pichinde virus, poliovirus, punta toro phlebovirus, pumala virus, rabies virus, rift valley fever virus, rosavirus A, Ross River virus, rotavirus A, rotavirus B, rotavirus C, Rubella virus, Sagiyama virus, Salivirus A, Sandfly fever Sicilian virus, Sapporo virus, SARS-CoV coronavirus, SARS-CoV-2 coronavirus, Semliki forest virus, Seoul virus, Simian foamy virus, Simian virus 5, Sindbis virus, Southampton virus, St. Louis encephalitis virus, tick-borne powassan virus, torkue teno virus, toscana virus, uukuniemi virus, vaccinia virus, varicella-zoster virus, variola virus, Venezuelan equine encephalitis virus, vesicular stomatitis virus, western equine encephalitis virus, WU polyomavirus, West Nile virus, Yaba monkey tumor virus, Yaba-like disease virus, yellow fever virus, Zika virus, and all variants thereof.

4. The multitarget antiviral dietary supplement of claim 1, wherein the virus spike protein receptor is selected from the group of receptors consisting of: angiotensin-converting enzyme 2 ACE2, transmembrane glycoprotein CD147, enzymePIKFyve, neuropilin-1 NRP1, neuropilin-2 NRP2, dipeptidyl peptidase 4 DPP4/CD26, alanyl aminopeptidase ENPEP, angiotensin II receptor type 2 AGTR2, aminopeptidase N APN/CD13, N-acetyl-9-O-acetylneuraminic acid CEACAM1a, sialic acid, murine carcioembryonic antigen-binding adhesion molecule 1 mCEACAM, transmembrane protein CD4, CXCR4, chemokine receptor CCR5, vimentin VIM, heparan sulfate HS, and intercellular adhesion molecule 1 ICAM1.

5. The multitarget antiviral dietary supplement of claim 1, wherein at least one binding substance to a virus spike protein is selected from the group of substances consisting of: pavetannin C1, artemisinin, Artemisia annua, catechin, hesperidin, nelfinavir, procyanidin, cinnamtannin B1, hydroxychloroquine sulfate, 6-glucopyranosyl procyanidin B1, chloroquine, epigallocatechin gallate, procyanidin B7, scopadulcic acid, glycyrrhizic acid, nabiximol, cis-miyabenol C, proanthocyanidin A2, legalon, bismahanin, coagulin N, granatin B, hippophaenin B,

oriciacridone F, solanidine, 3-caffeoyl-5-feruloylquinic acid, oleanane, arecatannin A3, coagulin K, myricitrin, tannic acid / gallotannin, afzelin, emodin, kamalachalcone C, pectolinarin, 3,5,3'-trimethoxy-6,7:4',5'-bis(methylenedioxy)flavone, amentoflavone, kaempferol 3-α-L-arabinofuranoside-7-rhamnoside, lycoagrodin, pseudojervine, tenuifolin, withanolide B, bisdesmethylcurcumin, flavin adenine dinucleotide, greacunin E, mulberrofuran G, nimbin, silymarin, strictinin, kaempferol, 1-O-methylpakistanine, agatisflavone, α-chaconine, anomosin A, geraniin, punicalagin, quercetin-7-O-glucoside, rhoifolin, tribulusamide B, quercetin, occidentoside, oxyberberine, pakistanine, plumbazeylanone, saikosaponin U, terchebulin, withanolide E, 3-O-caffeoyloleanolic acid, 3-O-galloylpicatechin-(4β-6)-epicatechin-3-O-gallate, 3-O-trans-p-coumaroyltormentic acid, ashwagandhanolide, ehretiolide, esculeoside A, morin, morphinan-4,5-epoxy-3,6-di-ol, 6-[7-nitrobenzofurazan-4-yl]amino-, punigluconin, saikosaponin V, tercatain, uttronin B, withanone, 24,25-dihydrowithanolide D, hesperetin, heterophyllin, isoquercitrin, lactucopicrin 15-oxalate, phyllanemblinin F, punicortein A, remdesivir, rutin, salacenonal, salvianolic acid B, serpentinine, shinflavanone, tellimagrandin II, trigophenoside E1, vescalagin, withaferin A, withanolide G, withastramonolide, 20β-hydroxy-L-oxo-(22R)-sa-2,5,24-trienolide, 3-O-p-coumaroyloleanolic acid, ajugin A, arecatannin B1, β-solamarin, blestrin C, caryophyllene, cellosin G, coagulin L, coagulin R, diosmin, grossamide / tribulusamide A, herbacetin, isoarboreol, jusbetonin, narirutin, nigrumnin I, phyllaemblicin A, quercetin 7-rutinoside, rugosinone, tellimagrandin I, terflavin A, terminalin, withanolide D, 1,5-dihydroxy-3-methoxy-7-methylanthracene-9,10-dione, 27-hydroxywithanolide B, amlaic acid, artonin M, blestrianol C, coagulin G, cocsoline, eriocitrin, gallic acid 3,4-diphenylmethylene ketal benzyl ester, ginkgetin, glabrolide, isoginkgetin, kaempferitrin, liquorice, meprednisone, milbemycin A3, milbemycin J, O-demethyl demethoxycurcumin, rauvomitine, rhamnocitrin, rotundioside B, solasodine, trigofenoside A, trigofenoside B, ursolic acid / α-ursolic acid, veratridine, withametelin, 3-O-cis-p-coumaroyltormentic acid, 4,6-cholestadin-3β-ol, benzoate, 9,19-cyclolanost-24-en-3-o, α-solasonine, blestrianol B, chebulagic acid, coagulansin A, coagulin C, curcumin, dihydrokaempferol, echinacin, ellagitannin, eriodictyol-7-O-rutinoside, ethyl cholate, galangin, justicidin D / neojusticin A, justicidin E, luteoxanthin / cis-luteoxanthin, milbemycin A4, milbemycin α 6, NOO- trimethylsparsiflorine, pedunculagin, proanthocyanidin A6, punicortein C, quercetin 3,7-diglucoside, quercetin 3-O-robinobioside, raucaffricin, rubicoumaric acid, rutaecarpine, stigmasteryl glucoside, swertanone, swertiapuniside, taraxerol, withasomniferol C, apigenin-7-glucoside, (E)-cycloarta-23-en-3β-ol, [7,7,12,16-tetramethyl-15-[(E)-5-oxo-5-

phenylpent-3-en-2-yl]-6-pentacyclo [9.7.0.01,3.03,8.012,16] octadecanyl] acetate, 4,5-Di-O-caffeoylquinic acid, 9(11)-dehydroergosteryl benzoate, albanol B, anisotine, apigenin, aromolin, artelastoheterol, blestrin D, candesartan, ciliatoside A, coagulansin B, coagulin P, coagulin Q, disogluside / trillin, enoxolone / glycyrrhetic acid, ferreirin, glucofrangulin A, greacunin G, isoleucyltyrosine, isorhamnetin, jaceosidin, lactucopicrin, milbemycin D, mulberofuran K, mulberroside C, naringenin-7-O-glucuronide, orientin, oryzanol C / 24-methylenecycloartenol, phyllaemblicin C, philanemblinin A, punicalin, scutellarein 7-rutinoside, somniferin A, taiwanin E, taraxerol, tomatin, vitexin, withanolide C, withanolide J, withanolide N, withanolide O, withanolide P, withsomniferol B, (3S,3As,6S,6aR)-3,6-bis(1,3-benzodioxol-5-yl)-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-4-ol / 4-hydroxysesamine, 27-deoxywithaferin A, 5,7-dihydroxy-2- (4-hydroxyphenyl)chroman-4-one, 9-cis-β-carotene, artonin A, auroxanthin, coagulin H, coagulin O, cudraflavone A / isocyclomorusin, curryangine / murrayazoline, cycloartenol, ehletianol B, emblicanin A, ginsenoside Rh1, isotrilobin, justicidin F, lanosterol, mesaconine 14-benzoate / benzoylmesaconine, montelukast, pedunculagin, phyllaemblicin B, rescinnamidine, rescinnamine, scutellarin 7-neohesperidoside, siaresinol, stylopine, tricin, trigofoenoside D, trigofoenoside F, trigofoenoside G, withanolide A, withanolide L, withanolide R, withanolide S, (+)-16-gamaceren-3β-ol, 1,6-bis-O-galloyl-β-D-glucose, 2-benzoylguaiazulene, 2-O-trans-P-coumaroyl-maslinic acid, 3,5-dicaffeoylquinic acid, 31-norcycloartenol, 4-feruloyl-5-caffeoylquinic acid, artonin E, artonin F, asparanin B / shatavarin IV, baicalin, benzoylsalireposide, β-sitosterol, β-vulgaroside I, blestrin A, brazilein, calenduloside E, chiratenol, chrysosplenetin, coagulin D, curine, cyanin chloride, daturadiol, daucosterol, delphinidin 3,5-diglucoside, ehletianol A, friedelan-3-one, friedeline-3,4-lactone, ginsenoside Ro, gitogenin, hyppomannin A, hyperin 6"-[glucosyl-(1->3)-rhamnoside] / quercetin 3-glucosyl(1->3)rhamnosyl(1-6)galactoside, kaempferol 3-O-(6"-galloyl)-β-D-glucopyranoside, kairatenol, limonin / (-) limonin, liriodendrin, milbemycin K, murrayazolinol, neogitogenin, oxyacanthine, phyllanemblinin B, phyllanemblinin C, pipericide, proanthocyanidin A1 / procyanidin A1, protopine, scutellarin 7-glucoside, sitosteryl glucoside, soyasapogenol B 3-O-β-glucuronide, stachysterone D, taraxerol acetate, vitetrefolin D, withacoagin, withacoagulin, withanolide Q, yuccagenin, 14-anisoilaconine, 3-[6-O-(3-O-α-L-rhamnopyranosyl-α-L-rhamnopyranosyl)-β-D-glucopyranosyloxy]-4',5,7-trihydroxyflavone / kaempferol 3-O-xylosyl-rutinoside, afzelechin, ajmalicine, ajugaside A, artelastoxanthone, brazilin, chebulagic acid, coagulin B, crategolic acid, daturaolone, flavidin, friedelin, gedunine, granatin A, hypericin, isomurrayazoline, kakkalide, mangiferin, nobiletin, retrofractamide A,

retusin, robinetin 3-rutinoside, tangeretin, withacoagulin G, withacoagulin I, yamogenin, barlerinoside, gallotannins, naringenin, piperolein B, tinosporide, chalcone, eugenol, β-carotene, deoxytubulosine, β-amyrin, glycyrrhizin, adhatodin, troxerutin, panasenoside, rhoifolin, caryophyllene, amarogentin, chebulinic acid, vasicoline, biorobin, desmethylcurcumin, quinine, swertiamarin, vasicolinone, 6-gingerol, acetocavicol acetate, bis(3,5,5-trimethylhexyl) phthalate, myristicin, swertianine, carvacrol, cineole, swerchirin, vasicin, 6-shogaol, andrographolide, berberine, beta-caryophyllene, betulinic acid, cepharanthine, citronellol, black cumin (nigella sativa), dihydrotanshinone I, dimethyl-coclaurine, echinacin, excoecaria toxin, eriodictyol, fangchinoline, phyllaemblicin G7, gallic acid, Griffithsin, cosmosiin, cryptotanshinone, chrysin, kouitchenside D, lectins, lignan, licoflavonol, luteolin, mangostin, matrine, neohesperidin, patchouli alcohol, piceatannol, piperine, resveratrol, rhein, ruvomitin, shikonin, tanshinone, tanshinone IIA, thebaine, tetrandrine, thymoquinone and zingiberine.

6. The multitarget antiviral dietary supplement of claim 1, wherein at least one receptor binding substance to a virus spike protein is selected from the group of substances consisting of: mangiferin, gallic acid, nimbolide, glycyrrhizin, delphinidin 3,5-diglucoside, captopril, azadirachtin, 3,5-Di-O-galloylshikimic acid, hesperidin, mulberoside A, saikosaponin A, bilirubin, rutin, scutellarein 7-glucoside, silybin, verbascoside, vincetoxicoside B, baicalin, prim-O-glucosylcimifugin, astragaloside A, corosolic acid, corynoline, cyanidin-3-glucoside, cynaroside, orientin, ilexgenin A, protostemonine, amygdalin, paeoniflorin, ursolic acid, bicuculline, cynancersicoside A, berberine, morusin, puerarin, glabridin, withaferin A, columbianadin, nodakenin, (-)-asperlicin C, arctiin, curcumin, driocrassin, flavylium, tectoridin, swertiajaponin, timosaponin bii, cholic acid, hyodeoxycholic acid, indirubin, oleanic acid, trisalbaspidin ABA, catechin, emodin, irisolidone, poricoic acid A, artemisinin, forsythiaside A, genistein, luteolin, phillygenin, polyphyllin I, radix isatidis A, quercetin, liquiritigenin, procyanidin, xanthiside, andrographolide, chlorogenic acid, daidzein, rhein, cordioside, withanolide A, verbenalin, demethoxycurcumin, codeine, epigallocatechin-gallate, geniposide, niranthin, bisdemethoxycurcumin, isorhamnetin, aloin A, notopterol, rosmarinic acid, aloin, harpagide, lactucopicrin 15-oxalate, papaverine, atractylenolide I, cyanidin-3-sambubioside, epicatechin-(4β,8)-epicatechin-(4β,6)-catechin, imperatorin, cassameridin, helichrysoside, morphine, arctigenin, chloroquine, tetrahydrocurcumin, avicularin, desmethylcurcumin, diphyllin, catalpol, magnolol, matrine, salidroside, rubrifloralignin A, isoaloresin, cryptotanshinone, echinacin,

hispidulin, isoquercitrin, remdesivir, tanshinone, tanshinone IIA, lobetyolin, pterodontic acid, nordihydroguaiaretic acid, cirsimaritin, galangin, taiwanhomoflavone A, bisdesmethylcurcumin, brazilin, brazilein, yatein, vitetrifolin D, withametelin, tinosporin, 6-deoxyglucose-diphyllin, artemisinin, terameprocol, epicatechin-4-epigallocatechin, kaempferol, pedunculagin, schisandrin, hinokinin, afzelin, apigenin, dhelwangin, gallotannins, hupehemonside, imperialin-3-β-n-glucoside, isoevodionol, myricitrin, bicyclol, daturaolone, taraxerol, withanolide A, cordiofolioside A, catechin 5-O-gallate, chrysin, deoxytubulosin, esculetin, trans-anethole, narigin, betulinic acid, chebulinic acid, pseudojervine, scopoletin, zhebeininoside, dipsacoside B, oryciacridone F, 6-gingerol, chebulagic acid, dihydrotanshinone I, punigluconin, tinosporide, verdin, barlerinoside, caffeic acid, cosmosiin, ferulic acid, monospermoside, quercetin 3-glucosyl-(1,4)-rhamnoside, tangeretin, tilianin, cocsoline, isorhoifolin, salviifoside A, trilobine, atractylodin, butrin, withametelin I, aceto cavicol acetate, amantadine hydrochloride, anthraquinone, isotrilobine, pulegone, quercetin 3-O-robinobioside, chrysophanol, alangicin, daturadiol, ephedrine, gmelinol, l(+)-ascorbic acid, linolenic acid, resveratrol, scutellarein 7-neohesperidoside, stigmasterol, hesperetin, naringenin, corydine, astragalin, cephaeline, calceolarioside A, coumalic acid, α-asarone, aloe-emodin, campneoside, citrulline, coclaurine, ellagic acid, leucocyanidin, lignan, acteoside, genistoside, inerminoside A, l-menthol, shikonin, trans-cinnamaldehyde, β-pinene, emblicanin A, patchouli alcohol, α-pinene, arjunic acid, nimbin, platycodin D, vitexin, nobiletin, arecoline, betulinaldehyde, toralactone, glutamic acid, hirsutine, arjungenin, nimbinene, tetramethyl pyrazine, betonyoside A, decanoy acetaldehyde, jamtine, sissotrin, succinic acid, isomeldenin, lirioresinol, isosilybin, taurine, betaine, neohesperidin, piperine, thebaine, berberine, zingiberine, beta-caryophyllene, citronellol, eugenol, hesperitin, lignan, emodin, shikonin, tangeretin, nobiletin, thymoquinone, black cumin / nigella sativa, oleuropein, catechin, saponin, epigallocatechin-gallate, luteolin-7-glucoside, demethoxycurcumin, apigenin-7-glucoside, cingerol, gingerol, allicin, alpha-lipoic acid, rosmarinic acid, epicatechin, harmonyl, gallic acid, lactoferrin and astragalus root polysaccharides.

7. The multitarget antiviral dietary supplement of claim 1, wherein at least one substance for preventing the entry of the virus into the cell is selected from the group of substances consisting of: TMPRSS2 inhibitor, TMPRSS4 inhibitor, cathepsin L inhibitor, cathepsin B inhibitor, PIKfyve inhibitor, TPC2 inhibitor, furin inhibitor, trypsin inhibitor, HAT protease inhibitor, neuropilin-1 inhibitor and CD147 inhibitor.

8. The multitarget antiviral dietary supplement of claim 1, wherein at least one substance for preventing the entry of the virus into the cell is selected from the group of substances consisting of: geniposide, excavatolide M, schisphenin A, dictospheric acid A, citocoline, 5-methoxyhydnocarpin, cytidine-5'-diphosphocholine, durumolide K, 5'-methoxyhydnocarpin D, curtesian L, microcarpin, (-)epicatechin-3-O-(3'-O-methyl)gallate, isogemichalcone B, neohesperidine, fusaxanthone A, orthosiphonone D, silybin, myricitrin, withaferin A, naringin, 6S,9R-roseoside, 7-hydroxy-14-deoxywithanolide U, quercitrin, icariin, isoaloresin, hesperidin, liquorice, adlumidine, edgeworoside C, qingdainone, philligenin, glycyrrhizic acid, cis-miyabenol C, pseudo-α-colubrine, aloin, proanthocyanidin A2, granatin B, hippophaenin B, 3-caffeoyl-5-feruloylquinic acid, 3,3'-biplumbagin, agathisflavone, aromoline, chrysophanein, corilagin, granatin A, mulberrofuran Q, nirurin, punicafolin, rhein-8-glucoside, strictinin, arjunetin, chitranone, cordifolide A, dihydrocelastryl diacetate, sojagol, tetrahydrocurcumin, (3S,3As,6S,6aR)-3,6-bis(1,3-benzodioxol-5-yl)-1,4,6,6a-tetrahydrofuro[3,4-c]furan-3,3a-diol, 3-O-caffeoyloleanolic acid, baicalein 6-glucoside, isotubulosin, serpentine, tercatain, cochliophyllin A, limonin, morphinan-4,5-epoxy-3,6-di-ol, 6-[7-nitrobenzofurazan-4 -yl]amino-, punigluconin, raucafricin, telimagradin I, terminalin, 3-O-p-coumaroyloleanolic acid, baicalin, gallic acid 3,4-diphenylmethylene ketal benzyl ester, graecunin G, ketanserin, linarin, luteolin 3'-xyloside, pongachromene, rhein, (-)-epicatechin gallate, (-)-epigallocatechin gallate, 3,5-dicaffeoylquinic acid, 4'-O-methylepigallocatechin-3-O-gallate, alangiside, amentoflavone, annomosin A, artonin M, clitorin, coagulin D, hesperetin 3'-O-glucuronide, isomahanine, jusbetonin, licoisoflavone B, luteolin 3'-glucoside, myricetin 3-neohesperidoside, n,α-L-rhamnopyranosyl vincosamide, oxyacanthine, punicalagin, tubulosin, demethylwedelolactone, isocorilagin, kaempferol 3-neohesperidoside, nomilin, sakuranin, 1,7-dihydroxy-2,3-methylenedioxyxanthone, 5,7-dihydroxychromenylium, 6-(aminomethyl)-3-methyl-2-phenylchromen-4-one, artocarpin, artonin F, bacoside A, coagulin B, cudraflavone C, cyanidin 3-arabinoside, cycloartocarpin A, epigallocatechin-7-glucuronide, glabrone, lampranthin II, LMPK12111081, milbemycin J, parvisoflavone A, procyanidin B2, (+)-gallocatechin-(4α->8)-(+)-catechin, 2-O-trans-p-coumaroyl-maslinic acid, 3'-O-methyl ellagic acid 4-xyloside, 6-hydroxylup-20(29)-en-3-one, alangimarckine, aloe-emodin, artonin A, artonol B, boeravinone C, chebulanin, coagulin J, dicaffeoyltartaric acid, eclabasaponin I, epoxyazadiradione, gallocatechin-(4α->8)-epigallocatechin, glychionide A, guaijaverin, isoartocarpin, isozeylanone, kaempferol 3-O-(6"-

galloyl)-β-d-glucopyranoside, licocoumarin A, lupen-3-one, neoeriocitrin, occidentoside, oryzanol C, physcion, punicacortein A, punicalin, quercetin 3-galactoside 7-rhamnoside, swertiapuniside, tannins, 1,6-bis-O-galloyl-β-d-glucose, 20-epi-4β-hydroxyverazine, 3-methoxy-1,3,5(10)-estratrien-17β-yl o-nitrobenzoate, α-chaconine, aristololactam, arjunglucoside I, bisandrographolide, chebulinic acid, chicoric acid, cosmosiin, cudraflavone A, cudraflavone B, cynaroside, daidzin, epicatechin-3-gallate, griseolic acid A, isorhamnetin 3-neohesperidoside, justicidin E, kaempferol 3-(6'''-rhamnosyl-2'''-glucosyl-glucoside), lanosta-8,24-dien-3-ol, (3β)-, locoracemoside B, milbemycin K, n-methylporphyroxine, norsanguinarine, ononin, phellatin, proanthocyanidin A6, puerarol, raunescine, remdesivir, sitogluside, taiwanin E, tinocordifolioside, 3,3'-dihydroxy-5-methoxy-2,5',6-tris-(p-hydroxybenzyl)bibenzyl, 3-caffeoyl-4-feruloylquinic acid, 6-hydroxyluteolin, 9-cis-β-carotene, artoindonesianin Q, artonin E, auxanthin, benzoylsalireposide, corydine, coumestrol, curine, cyanidin 3-sophoroside-5-glucoside, delphinidin 3,5-diglucoside, delphinidin 3-O-(2''-O-α-rhamnosyl-6''-O-malonyl)-β-glucoside, deoxytubulosine, dicumarol, glycitin, gmelanone, isoarboreol, isoginkgetin, isomahanimbine, justicidin F, justiflorinol, kaempferitrin, kaempferol 3-xylosylglucoside, kotalagenin 16-acetate, lagerstanin C, liquiritin, mahmoodin, malibatol A, narirutin, neoliquiritin, oroxindin, prunin, quercetin 7-rutinoside, riboflavin, chanciguol, stigmasterol glucoside, tetraphylline, tocotrienol, withacoagulin, withanolide B, (-)-cycloartocarpin, (-)-gallocatechin gallate, (3S,3As,6S,6aR)-3,6-bis(1,3-benzodioxol-5-yl)-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-4-ol, 24-methyldesmosterol, 27-hydroxywithanolide B, 4,5-Di-O-caffeoylquinic acid, 4-feruloyl-5-caffeoylquinic acid, ajmalimine, amlaic acid, anolobine, apiin, aricin, artelastoheterol, artelastoxanthone, artocarpesin, artoindonesianin A2, chebulagic acid, coagulin Q, cordifoliside D, corynanthine, cyanidin 3-(6''-malonylglucoside), cycloheterophyllin, delphinidin 3-(6''-malonylglucoside), dihydrodaidzein 7-glucuronide, diphyllin apioside 5''-acetate, eclalbasaponin VII, ellagitannin, euchrestine B, fenugreekine, glabridin, glabroisoflavanone A, glyburide, graecunin E, isoreserpinine, jacareubin, luteolin 4'-neohesperidoside, narcotoline, peonidin 3-arabinoside, peonidin 3-monoglucoside, picrinine, picroside I, plicadin, protopin, psoralidin, pterocarpine, quercetagetin, quercetin 3,7-diglucoside, quercetin 3-diglucoside, salireposide, strictamin, stylopine, tinocordiside, tomatine, vindolinine, withanone, hinokinin, Artemisia annua, artemisinin, bromhexine, E-64, glycyrrhizin, thymoquinone and black cumin / nigella sativa.

9. The multitarget antiviral dietary supplement of claim 1, wherein at least one substance for

preventing virus replication in the cell is selected from the group of substances consisting of: inhibitor of 3C-like major protease 3CLpro/Mpro, inhibitor of papain-like protease PLpro, inhibitor of RNA-dependent RNA polymerase RdRp, inhibitor of non-structural proteins Nsp1-Nsp15 and inhibitor of HSPA5.

10. The multitarget antiviral dietary supplement of claim 9, wherein at least one inhibitor of the 3C-like major protease 3CLpro/Mpro is selected from the group of inhibitors consisting of: 5,7,3',4'-tetrahydroxy-2'-(3,3-dimethylallyl) isoflavone, (E)-β-farnesene, (E)-nerolidol, geraniol, linalool, myricitrin, methyl rosmarinate, α-copaene, calceolarioside B, licoleafol, (2S)-eriodictyol 7-O-(6"-O-galloyl)-β-D-glucopyranoside, 3,5,7,3',4',5'-hexahydroxy flavanone-3-O-β-D-glucopyranoside, colistin, myricetin 3-O-β-D-glucopyranoside, amaranthin, prulifloxacin, SN00293542, kazinol T (NPC474104), butyrolactone L 3-sulfate (NPC173034), SN00334894, ebenfuran III (NPC476350), monoxerutin, paulowniones A (NPC472630), glycyrrhizin, galangin, NPC124729, NPC164269, NPC298692, NPC187951, NPC67197, brazilin, theaflavin-3-3′-digalate, nimbolide, delphinidin 3,5-diglucoside, NPC474360, NPC189773, NPC143050, silybin, procyanidin, azadirachtin, bisdesmethylcurcumin, TF2a, rutin, desmethylcurcumin, withaferin A, hypericin, theaflavin, robustaflavone, (-)-solenolide A, 7,2"-bieckol, rhusflavone, cordioside, epicatechin-(4β,8)-epicatechin-(4β,6)-catechin, brazilein, ginketin, rinacanthin E, 3,5-Di-O-galloylshikimic acid, hirsutrin, withanolide A, withanoside V, dalpanitin, 7-hydroxyecol-hepta-acetate, agathisflavone, epicatechin-(4',8)-epigallocatechin, hinokiflavone, panasenoside, sorbarin, aceto cavicol acetate, betulinic acid, quercetin 3-glucosyl-(1,4)-rhamnoside, isoaloresin, (-)-asperlicin C, 3,4,5-tri-O-galloylquinic acid, amentoflavone, chrysophanol 8-(6-galloylglucoside), terflavin B, 5-hydroxy-cystofurano-quinol, avicularin, catechin, iso-mulbel-rohromene, mudanpioside J, quercetin 3,5-digalactoside, somniferin, taiwanhomoflavone A, vescalagin, aloin A, isoginkgetin, filigenin, sargaquinoic acid, lupinavir, cyanidin 3,5 -diglucoside, delphinidin-3-0-(6-p-coumaroyl)glucoside,herbacetin, justalaconin, moreloflavone, myricetin 3-rutinoside, neosakuranin, peonidin-3-O-glucoside, proanthocyanidin A2, procyanidin B2, agathisflavone, bonducellpin D, cassemeridin, emblicanin A, graecunin G, kaempferitrin, kaempferol 3-O-β-rutinoside, niranthin, peonidin 3,5-diglucoside, proanthocyanidin A1, procyanidin B1, scutellarein 7-glucoside, 4-(3,4-dihydroxyphenyl)-7-methoxy-5-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]-2H-1-benzopyran-2-one, 5,7-dimethoxyflavanone-4′-O-β-D-glucopyranoside, aloin, artonol B, kaempferol 3-O-(6"-galloyl)-β-D-glucopyranoside, myricetin 3-

rhamnoside, rubrifloralignin A, sambicyanin, glabrolide, zeylanone, (-)-gallocatechin gallate, artonin A, coagulin E, cyanidin-3-glucoside, delphinidin-3-O-sambubioside, isorhoifolin, morphinan-4,5-epoxy-3,6-di-ol, 6-[7-nitrobenzofurazan-4-yl]amino-, nicotinamide-adenine-dinucleotide, oriciacridone F, quercetin 3-O-robinobioside, quercetin 7-rutinoside, quercetin-3-D-xyloside, rhoifolin, robinetin 3-rutinoside, schisandrin, cinchonain IB, diosmin, epicatechin-3-gallate, kaempferol 3-glucuronide, linarin, miquelianin, narcissin, narirutin, neohecogenin, nicotiflorin, nordihydroguaiaretic acid, pelargonidin 3-galactoside ion, peonidin 3-arabinoside, quercetin 3-O-α-L-arabinopyranoside, stylopine, vicenin, withasomniferol B, apigenin 7-O-neohesperidoside, blestrin A, chrysophanein, cyanidin 3-sophoroside 5-glucoside, cyanidin-3-O-rhamnoside, dipsacoside B, echinacin, elenoside, eriocitrin, glabridin, guaijaverin, justicidin E, kaempferol 3-rutinoside 4'-glucoside, myricetin 3-α-L-arabinopyranoside, naringin, patentiflorin B, pedunculagin, pelargonidin 3-glucoside, quercetin 3-O-glucuronide, quercitrin, rhein, triacetoxy-18-hydroxy-2,7-dolabelladiene, 1,3-dicaffeoylquinic acid, 1,6-bis-O-galloyl-β-D-glucose, 3,3'-dihydroxy-5-methoxy-2,5',6-tris-(p-hydroxybenzyl)bibenzyl, 3-[6-O-(3-O-α-L-rhamnopyranosyl-α-L-rhamnopyranosyl)-β-D-glucopyranosyloxy]-4',5,7-trihydroxyflavone, afzelin, arecatannin C1, artonin F, ashwagandhanolide, delphinidin 3-neohesperidoside, eschweilenol C, fenugreekine, gitogenin, guaiaverin, hecogenin, hesperidin, idaein, justicidin D, justicidin F, kamalachalcone C, malvidin 3-arabinoside, marsdenoside, myricetin 3-α-L-arabinofuranoside, neogitogenin, pelargonidin 3-O-rutinoside, peonidin 3-(6"-malonylglucoside), petunidin 3-galactoside, punicacortein C, punicalin, quercetin 3-O-(6"-O-malonyl)-β-D-glucoside, saikosaponin A, taiwanin E, tenuifolin, tetrahydrocurcumin, tribuloside, (-)-epicatechin-3-O-gallate, (-)-epigallocatechin-3-O-gallate, (-)-gallocatechin-3-O-gallate, 3'-methoxy-4',5',7-trihydroxy-3,5-bis(β-D-glucopyranosyloxy)flavylium, α-phellandrene, asparanin B, β-solamarin, blestrianol B, corilagin, cyanidin 3-arabinoside, cyanine chloride, cyclomorusin, granatin A, hyperoside, isoiguesterin, isoiguesterinol, isoquercitrin, kaempferol 3-(6"-malonylglucoside), kakkalide, malvidin 3-galactoside, malvin, myricetin-3-O-β-D-xylopyranoside, neoeriocitrin, pelargonin, punicafolin, quercetin 3-rutinoside-7-glucoside, quercetin 3-xyloside, stachysterone D, tannins, taxifolin-3-glucopyranoside, tulipanin, withanolide B, withanolide R, 10-hydroxyaloin A, 3-caffeoyl-5-ferruloylquinic acid, 3'-O-methyl ellagic acid 4-xyloside, 5,7-dihydroxychrominium, blestritin C, chebulinic acid, chlorogenin, coagulin D, coagulin R, delphinidin 3-arabinoside cation, demethoxycurcumin, fallahydroquinone, gallocatechin-(4α->8)-epigallocatechin, graecunin E, grossamide, isorhamnetin-3-O-glucoside, isorientin 4'-O-glucoside

2"-O-p-hydroxybenzoagte, jusbetonin, luteolin 3'-xyloside, luteolin 7-rutinoside, morusin, nirurin, patentiflorin A, pelargonidin 3-(6"-acetylglucoside), pelargonidin 3-arabinoside, puerarin, somniferine A, tinosporide, withacoagin, X77, yuccagenin, kaempferol, 3,4-dicaffeoylquinic acid, 4-caffeoyl-5-feruloylquinic acid, 4-feruloyl-5-caffeoylquinic acid, 5-glucopyranosyloxy-3',4',7-trihydroxyneoflavone, 6- deoxyglucosediphyllin, apiin, arctigenin, baicalin, blestrin D, canthin-6-one 9-O-β-glucopyranoside, celastrol, coagulin H, columbin, coptisine, cyanidin 3-glucoside, cyanin, cycloartelastoxanthendiol, cynarin, dihydrocoptisine, dihydrotanshinone I, diphyllin, eriodictyol-7-O-rutinoside, frangulin A, glucofrangulin A, hispidulin 7-glucuronide, isoraunescin, kaempferol 3-(4"-p-coumaroylglucoside), kaempferol 3-xylosylglucoside, lagerstannin C, luteolin 3'-glucoside, mangiferin, meamsitrin, methoxybifurcarenone, montelukast, myricetin 3-O-galactoside, oenin, peonidin 3-monoglucoside, phillanemblinin A, polyphyllin I, punigluconin, quercetin, shidasterone, shinflavanone, sojagol, solasodin, ursolic acid, withanolide L, withasomniferol A, anisotine, apigenin-8-C-glucoside, bavachalcone, bisdemethoxycurcumin, cinnamtannin B1, cirrhopetalanthin, clitorin, coagulin B, coagulin N, cyanidin 3-O-glucoside, cycloheterophyllin, cynaroside, delphinidin 3-glucoside, eclalbasaponin IX, ellagitannin, glychionide A, hesperetin 7-O-neohesperidoside, hylocerenin, kaempferol 7-O-neohesperidoside, meratin, mulberroside C, myricetin 3-galactoside, neoandrographolide, neotigogenin, plicadin, prenylgenistein, propelargonidin, punicortein A, quercetin 3-galactoside 7-rhamnoside, salvianolic acid B, sanguinarine, swertiapuniside, symconoside B, taraxerol, tiliroside, tinosponone, uttronin B, veratridin, verbascoside, withanolide O, withastramonolide, (+)-catechin-3-O-gallate, 3'-methoxypuerarin, 5-hydroxy-3-(4-methoxyphenyl)-4-oxo-4h-chromen-7-yl 6-O-(6-deoxyhexopyranosyl)hexopyranoside, acteoside, ajmalicidin, ajmalicin, alangimarckine, artonin O, baicalein, benzoylsalireposide, blestriarene B, boeravinone F, campneoside, coagulin J, cynancersicoside A, decahydrocyclopenta[a]phenanthren-17-yl] 2-nitrobenzoate, delphinidin 3-galactoside, demethylwedelolactone, deoxytubulosine, gallotannins, hypomannin A, hispaglabridin A, isocorilagin, isorhamnetin 3-neohesperidoside, kaempferol 3-O-D-galactoside, kaempferol 7-O-glucoside, leucoplargonidin 3-O-glucoside, locoracemoside B, murrayazolinine, negundin A, orientin, ovalifolin, peonidin 3-galactoside, phellatin, pleionesin C, proanthocyanidin B2, quercetin 3-sambubioside, quercetin-3-O-β-D-glucopyranoside, quercetin-3-O-malonyglucoside, rhamnetin 3-sophoroside, rhein-8-glucoside, ruscogenin, scutellarein 7-neohesperidoside, tigogenin, tribulusamide B, tubulosine, withacoagulin H, withanolide E, 2"-O-α-L-rhamnopyranosyl-isovitexin, catechin 5-O-gallate, lactucopicrin 15-oxalate, luteolin-7-glucoside,

myricetin 3-O-β-D-galactopyranoside, nelfinavir, pectolinarin, procyanidin B7, remdesivir, triptanthrine, wogonoside, yatein, α-ketoamide 13b, amygdalin, berberine, butrin, curcumin, hederin, kaempferol 3-α-L-arabinofuranoside-7-rhamnoside, protostemonine, tinocordiside, amarogentin, artesunate, cordifolioside A, demethoxycurcumin, flavonol glucoside, hesperidin methylchalcone, nabiximols, naringenin, swertiajaponin, undulatoside A, withanolide, (+)-catechin, adhatodine, bicyclol, corydine, feralolide, friedelin, hesperetin, ilexgenin A, monospermoside, nodakenin, tectoridin, tinosporin, vincetoxicoside B, withamethelin, aloe-emodin, apigenin-7-glucoside, apigenin, β-carotene, bilirubin, cyclocurcumin, epigallocatechin gallate, lactucopicrin, morin, terameprocol, withanolide B, (-)-epigallocatechin, 9-dihydroxyl-2-0-(z)-cinnamoyl-7-methoxyaloesia, aloeresin, cordifolioside A, corynoline, hinokinin, lycorine, mulberroside A, paeoniflorin, thymosaponin BII, (+)-gallocatechin, 6-glucopyranosyl procyanidin B1, astragaloside A, coclaurin, crategolic acid, cyanidin-3-sambubioside, eugenol, forsythiaside A, indirubin, legalon, luteolin, prim-O-glucosylcimifugin, radix isatidis A, tinocordifolioside, vitetrifolin D, withanone, (-)-epiafzelechin, (-)-epicatechin, barlerinoside, genistein, indican, indigo, liquiritigenin, platycodin D, quercetin-7-O-glucoside, chlorogenic acid, daidzein, driocrassin, oleanic acid, vasicoline, verbenalin, arctiin, artemisinin, chrysophanic acid, chrysophanol, chrysophanic acid, daturaolone, isoaloeresin, oleuropein, pavetannin C1, vasicolinone, xanthiside, β-sitosterol, columbianadin, damarenolic acid, emodin, trisalbaspidin ABA, β-caryophyllene, caryophyllene, catalpol, elgonika dimer A, imperatorin, (-)-afzelechin, 7-O-methylaloeresin, cholic acid, codeine, harpagid, himachalol, hyodeoxycholic acid, luteoforol, notopterol, rosmarinic acid, solanidine, stigmasterol, andrographolide, β-amyrin, papaverine, poricoic acid A, quinine, salidroside, silymarin, flavylium, sophoridin, swerchirin, swertiamarin, aloin B, ethyl cholate, geniposide, silvestrol, epicatechin-gallate, hydroxychloroquine sulfate, morphine, shikonin, bicyclogermecrene, chebulagic acid, tangeretin, lobetyolin, magnolol, nobiletin, PGG, swertianin, atractylenolide I, N-cis-feruloyltyramine, cryptotanshinone, chalcone, esculetin, isoevodionol, matrine, trans-anethole, sugiol, pterodontic acid, 6-gingerol, 6-shogaol, carvacrol, scopoletin, vasicine, β-himachalene, caffeic acid, bis(3,5,5-trimethylhexyl) phthalate, ferulic acid, zingerol, gingerol, chloroquine, cineole, myristicin, dhelwangin, ephedrine, L(+)-ascorbic acid, α-asarone, atractylodin, citrulline, coumalic acid, pulegone, L-menthol, arecoline, linolenic acid, glutamic acid, tetramethyl pyrazine, amantadine hydrochloride, succinic acid, trans-cinnamaldehyde, β-pinene, α-pinene, allicin, decanoy acetaldehyde, taurine, betaine, (1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-

3-yl)ethenyl)decahydronaphthalen-2-yl-2-nitrobenzoate, (S)-(1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl)ethenyl)decahydronaphalen-2-yl-2-amino-3-phenylpropanoate, 2,2-Di(3-indolyl)-3-indolone, 4-hydroxysolonchocarpine, 6-geranyl-4′,5,7-trihydroxy-3′,5′-dimethoxyflavanone, 8β-hydroxyabieta-9(11),13-dien-12-one, bavachinin, berchemol, biorobin, brosonol E, broussochalcone A, cerevisterol, deacetylcentapicrin, dihomo-γ-linolenic acid, gingerol, phyllaemblinol, harmonyl, houttuynia cordata, isodecortinol, kazinol A, kazinol B, kazinol F, kazinol J, kouitchenside I, cleistocaltone A, cosmosiin, chrysin-7-O-β-glucuronide, coumaroyltyramine, quercetin-3-β-galactoside, neohesperidin, rosmariquinone, savinin, sinaroside, sinigrin, stigmast-5-en-3-ol, tannic acid, tanshinone IIA, thilaflavin gallate and tomentin.

11. The multitarget antiviral dietary supplement of claim 9, wherein at least one inhibitor of the papain-like protease PLpro is selected from the group of inhibitors consisting of: TF2a, theasinensin A, theasinensin B, procyanidin, canthin-6-one 9-O-beta-glucopyranoside, cryptotanshinone, epigallocatechin-gallate, 5-hydroxy-7,8,2'-trimethoxyflavone 5-glucoside, 14-deoxy-11-oxoandrographolide, kushenol K, neoandrographolide, tanshinone, tanshinone IIA, kushenol W, 14-deoxy-11,12-didehydroandrographolide, deoxyandrographolide, shikonin, paniculine, andrographolide, deoxyandrographolide-19β-D-glucoside, curcumin, 5-hydroxy-7,8,2',3'-tetramethoxyflavone, andrographine, 5,7,2',3'-tetramethoxyflavanone, 5-hydroxy-7,2',3'-trimethoxyflavone, emodin, luteolin, withanolide A, glycyrrhizin, quercetin, paniculid B, resveratrol, kaempferol, paniculide A, isocodonocarpine, matrine, calonysterone, lignan, paniculide C, dihydrotanshinone I, GRL0617, quercetin-7-O-glucoside, baicalin, betulyl acid, hesperidin, patchouli alcohol, (S)-(1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl)ethenyl)decahydronaphalen-2-yl-2-amino-3-phenylpropanoate, 2,2-Di(3-indolyl)-3-indolone, 4-hydroxysolonchocarpine, broussochalkone A, broussonol E, coumaroyltyramine, kazinol A, kazinol B, kazinol F, kazinol J, rosmarinic acid, tanshinone IIA, sinigrin, tomentin, 3′-O-methyldiplakol, 3′-O-methyldiplakone, 3-isotheaflavin-3-gallate, 4′-O-methyldiplakol, 4′-O-methyldiplakone, 4′-O-methylbavachalcone, 6-geranyl-4′,5,7-trihydroxy-3′,5′-dimethoxyflavanone, β-sitosterol, diarylheptanoids, diplakone, flavonoids, isobavachalcone, magnolol, mupinamide, neovavaisoflavone, ouabain, phaitanthrin D, piceatanol, bavachinin, platycodine D, 2-(3,4-dihydroxyphenyl)-2-[[2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl]oxy]-3,4-dihydro-2H-1-benzopyran-3,4,5,7-tetrol,

sugetriol-3,9-diacetate, neohesperidin and chrysin.

12. The multitarget antiviral dietary supplement of claim 9, wherein at least one inhibitor of RNA-dependent RNA polymerase RdRp is selected from the group of inhibitors consisting of: theaflavin 3,3'-digallate, digalloylprocyanidin B2, theaflavin 3'-gallate, tribulosid, cyanidin 3-(6"-manlonylglucoside), silybin, isoorientin 6-o"-β-D-glucopyranoside, caftaric acid, hirsutrin, chrysophanol 8-(6-galloylglucoside), eriodictyol-7-O-rutinoside, fenugreekine, luteolin 7-rutinoside, taiwanhomoflavone A, apigenin-7-O-rutinoside, cyanidin 3,5-diglucoside, isoquercitrin, narirutin, withanolide A, glycyrrhizin acid, hippomannin A, isoginkgetin, kaempferol 3-O-(6"-galloyl)-β-D-glucopyranoside, kaempferol-3-O-glucuronide, myricetin 3-rutinoside, quercetin-7-O-glucoside, rotundioside B, tellimagrandin I, terrestric acid, agathisflavone, apigenin 7-gentiobioside, emblicanin A, fraxicarboside A, ginsenoside Ro, isorhoifolin, luteolin 8-C-β-glucopyranoside, rhamnoliquiritin, dihydrotanshinone I, kaempferol 7-(6"-galloylglucoside), phyllanemblinin C, punicalagin, punigluconin, rhoifolin, rocymosin B, scropolioside D, tercatain, trigofoenoside G, withaferin A, ginkgetin, phyllanemblinin F, quercetin-3-gentiobioside, hypophaenin B, quercetin, chebulinic acid, liquorice, morphinan- 4,5-epoxy-3,6-di-ol, 6-[7-nitrobenzofurazan-4-yl]amino-, nirurin, N-methylsolazodine, plumbazeylanone, aloin, bismahanin, camelliaside A, clitorin, epiafzelechin 3-O-gallate, geraniin, ginsenoside Rb1, glucofrangulin A, glucofrangulin B, myricetin 3-rhamnoside, naringin, nicotinamide-adenine-dinucleotide, nigrumnin I, orientin 2"-O-gallate, oroxindin, pedunculagin, phyllaemblicin B, procyanidin B2, quercetin 3-gentiobioside, strictinin, tannins, terchebulin, terminalin, tomatine, trigofoenoside F, 3-O-caffeoyloleanolic acid, 3-O-p-coumaroyloleanolic acid, aloin A, arecatannin A3, baicalein 6-glucoside, celosin G, degalactotigonin, delphinidin 3-(6-p-coumaroyl)glucoside, isozeylanone, linarin, myricetin 3-neohesperidoside, occidentoside, procyanidin B1, punicacortein C, punicafolin, punicalin, soyasaponin I, (-)-epicatechin gallate, α-chaconine, β-solamarine, chrysophanein, ehretiolide, kaempferol 3-xylosylglucoside, lampranthin II, phyllanemblinin A, phyllanemblinin D, phyllocactin, quercetin 3-β-D-glucoside, quercetin 3-sambubioside, rauvomitin, 13-cis-crocin, 27-hydroxywithanolide B, 3-[6-O-(3-O-α-L-rhamnopyranosyl-α-L-rhamnopyranosyl)-β-D-glucopyranosyloxy]-4',5,7-trihydroxyflavone, arecatannin B1, chebulagic acid, delphinidin 3-galactoside, gmelanone, locoracemoside B, luteolin 4'-glucoside, mudanpioside J, phyllaemblicin A, phyllanemblinin B, procyanidin B3, procyanidin B4, propelargonidin, robinetin 3-rutinoside, sambicyanin, tulipanin, α-hederin, (-)-epigallocatechin

gallate, 1,6-bis-O-galloyl-β-D-glucose, 4'-O-methylepigallocatechin-3-O-gallate, amlaic acid, β-carotene, calenduloside E, ciliatoside A, cis-myabenol C, coagulin Q, corilagin, hylocerenin, isoaloresin, jusbetonin, kaempferol 3-(6"-malonylglucoside), limonin, neogitogenin, neohesperidin, neotigogenin, nicotiflorin, pelargonidin 3,5-diglucoside, phyllanemblinin E, quercetin-7-rutinoside, rescinnamine, rutin, soysapogenol B 3-O-β-glucuronide, swertiapuniside, (3S,3As,6S,6aR)-3,6-bis(1,3-benzodioxol-5-yl)-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-4-ol, 3'-O-methyl ellagic acid 4-xyloside, α-carotene, arjunetin, boeravinone C, chebulanin, delphinidin 3-neohesperidoside, glychionide A, hesperetin 3'-O-glucuronide, lagerstannin C, meratin, miquelianin, myricetin, myricetin 3-O-galactoside, neoβnin, neoeriocitrin, nordihydroguaiaretic acid, populene H, quercetin 3-galactoside 7-rhamnoside, quercetin 3-glucosyl(1-3)rhamnosyl(1-6)galactoside, sarsaponin, schisandrin, serpentinine, tannic acid, terflavin A, terflavin B, trigofoenoside A, 24,25-dihydrowithanolide D, benzoylsalireposide, coagulin K, coccineone B, cyanidin 3,5-diglucoside, cyanidin-3-O-sophoroside-5-O-glucoside, cyanine chloride, δ-viniferin, ehletianol D, ellagic acid, ellagitannin, liquiritic acid, LMPK12111081, orientin, pelargonin, phyllaemblicin C, populene C, procyanidin A1, reserpine n-oxide, reserpine, rubrifloralignin A, taiwanin E, tricrocin, 1-O-methylpakistanine, 3,3'-Di-O-methylellagic acid, artesunate, asparanin B, auroxanthin, baicalin, cynaroside, eriocitrin, kaempferol 3-neohesperidoside, locoracemoside C, luteolin 4'-neohesperidoside, oripavine, pakistanine, pelargonidin 3-(6"-acetylglucoside), quercetin 3-rutinoside-7-glucoside, raunescin, salvianolic acid A, scutellarein 7-glucoside, stylopine, trigofoenoside D, 13-cis-β-carotene, 2-O-trans-p-coumaroyl-maslinic acid, 3-hydroxy-4,5-bis(hydroxymethyl)-2-(3-methylbut-2-en-1-yl)phenyl 2,4-dihydroxy-6-methylbenzoate, acteoside, bacoside A, bellericoside, carbenoxolone, coagulin n, coptisine, cordioside, cyanidin 3-sophoroside-5-glucoside, delphinidin 3,5-diglucoside, ehletianol A, ehletianol B, ehletianol C, glabrolide, griseolic acid, justicidin E, kakkalide, malonylginsenoside Rb(1), myricetin 3-α-L-arabinofuranoside, notoginsenoside R2, oenin, o-methylpsychothrine, oryzanol C, peonidin 3-(6"-malonylglucoside), petunidin, plicadin, punicortein A, quercetin 3,5-digalactoside, quercimeritrin, riboflavin, selinidin, sericoside, sophoraflavonoloside, theaflavin, tigogenin, trigofoenoside E1, withasomniferol B, 1,7-dihydroxy-2,3-methylenedioxyxanthone, ajmalimine, arjunglucoside L, arjunic acid, cucurbitacin K, cyanidin 3-arabinoside, glucoliquiritin apioside, kaempferol 3-(4"-p-coumaroylglucoside), kutkosid, mangiferin, myricetin 3-α-L-arabinopyranoside, myricetin-3-O-β-D-xylopyranoside, narcissin, populene G, proanthocyanidin A1, proanthocyanidin A2, proanthocyanidin B2, quercetagetin, quercetin 3,7-diglucoside, quercetin 3-diglucoside,

raucaffricine, rhamnetin, rubicoumaric acid, phillygenin, arctigenin, bisdemethoxy-curcumin, cordiofolioside A, lactucopirin 15-oxolate, demethoxycurcumin, curcumin, tinosporin, tetrahydrocurcumin, 6-deoxyglucose-diphyllin, bicyclol, amarogentin, terameprocol, diphyllin, niranthin, aloe-emodin, catechin, β-carotene, hinokinin, corydine, yatein, chrysophanol, β-amyrin, swertiamarin, adhatodin, vasicolinone, anisotin, vasicoline, β-sitosterol, epigallocatechin-gallate, swerchirin, swertianin, caryophyllene, vasicin, carvacrol, eugenol, cineole, (1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl)ethenyl)decahydronaphthalen-2-yl 5-((R)-1,2-dithiolan-3-yl) pentanoate, 2-(3,4-dihydroxyphenyl)-2-[[2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl]oxy]-3,4-dihydro-2H-1-benzopyran-3,4,5,7-tetrol, sugestriol-3,9-diacetate, (R)-((1R,5aS,6R,9aS)-1,5a-dimethyl-7-methylene-3-oxo-6-((E)-2-(2-oxo-2,5-dihydrofuran-3)-yl)ethenyl)decahydro-1H-benzo[c]azepin-1-yl)methyl 2-amino-3-phenylpropanoate, 1,2,6-trimethoxy-8-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]-9H-xanthen-9-one, 1,7-Dihydroxy-3-methoxyxanthone, 1,8-Dihydroxy-6-methoxy-2-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]-9H-xanthen-9-one, 14-deoxy-11,12-didehydroandrographolide, 14-hydroxycyperotundone, 2β,30β-Dihydroxy-3,4-seco-friedelolactone-27-lactone, and 8-(β-D-glucopyranosyloxy)-1,3,5-trihydroxy-9H-xanthen-9-one.

13. The multitarget antiviral dietary supplement of claim 9, wherein at least one inhibitor of non-structural proteins Nsp1 to Nsp15 is selected from the group of inhibitors consisting of: lactose, procyanidin, esculin, gingerenone, shogaol, tribuloside, isooerientin, hirsutrin, silybin, guaijaverine, isosilybin, legalon, puddumin A, picrasidin M, (+)-epiexcelsin, isorheadine, euphorbetin, picrasidine N, ovigerine, cassamedine, hernandonin, picriside A, convolvidine, saikosaponin V, saikosaponin U, neosakuranin, and roifoilin.

14. The multitarget antiviral dietary supplement of claim 9, wherein at least one HSPA5 inhibitor is selected from the group of inhibitors consisting of: daidzein, genistein, formononetin, biochanin A, chlorogenic acid, linolenic acid, caffeic acid phenethyl ester, caffeic acid, cis-p-coumaric acid, palmitic acid, hydroxytyrosol, tipiracil, genistodin, biorobin, persiconin, isorchoiphoin, and platycodin D.

15. The multitarget antiviral dietary supplement of claim 1, wherein at least one substance for

preventing virus replication in the cell is selected from the group of substances consisting of: artemisinin, Artemisia annua, zinc, zinc derivatives, curcumin, desmethylcurcumin, bisdesmethylcurcumin, nimbin, withaferin A, piperine, mangiferin, thebaine, berberine, andrographolide, quercetin, luteolin, glycyrrhizin, patchouli alcohol, baicalin, resveratrol, naringenin, zingiberine, beta-caryophyllene, citronellol, eugenol, hesperidin, hesperitin, neohesperidin, kaempferol, lignan, emodin, betulinic acid, tanshinone, tanshinone IIA, cryptotanshinone, dihydrotanshinone I, shikonin, matrine, catechin, epigallocatechin-gallate, chrysin, cosmosiin, andrographyside, demethoxycurcumin, rosmarinic acid, sinigrin, tomentin, betulonal, gnidicin, platycodin D, sugiol, lignan, brosochalcone B, brosoflavan A, procyanidin A2, beta-sitosterol, diarylheptanoids, diplakone, flavonoids, isobavachalcone, magnolol, mupinamide, neobavaisoflavone, ouabain, phaitanthrin D, kouitchenside D, piceatanol, bavachinin, amentoflavone, andrograpanin, apigenin, bercemol, biorobin, cerevisterol, bruzochalcone A, brusonol E, coumaroyltyramine, kaempferol, kazinol A, kazinol B, kazinol F, kazinol J, phyllaemblinol, homoV.in, kouitchenside A, kouitchenside H, myricetin, rutin, scutellarin, triptexantoside D, cynamtannin B1, cleistocaltone A, decethylcentapicrin, hinokinin, indigo, isodecortinol, kouitchenside I, lycorine, oleanolic acid, rosmariquinone, savinin, tannic acid, betulinic acid, harmonyl, dihomo-γ-linolenic acid, α-glucosyl hesperidin, phyllaemblicin B, cefpiramide, lymecycline, piperacillin, streptomycin, tetracycline, vitexin, wogonoside, sinefungin, melatonin, coumaroyltyramine, probiotics, ursolic acid, N-cis-feruloyltiramine, 3′-O-methyldiplacol, 3′-O-methyldiplacone, 3-isotheaflavin-3-gallate, 4′-O-methyldiplacol, 4′-O -methyldiplakone, 4'-O-methylbavachalcone, 4-hydroxysolonchocarpine, 2,2-Di(3-indolyl)-3-indolone, sugetriol-3,9-diacetate, 14-hydroxycyperotundone, 2,2-Di(3-indolyl)-3-indolone, 14-deoxy-11,12-didehydroandrographolide, 1,7-Dihydroxy-3-methoxyxanthone, 8β-hydroxyabieta-9(11),13-dien-12-one, 6-geranyl-4′,5,7-trihydroxy-3′,5′-dimethoxyflavanone, 7-methoxycryptopleurin, 4-hydroxyisolonchocarpine, stigmast-5-en-3-ol, chrysin-7-O-β-glucuronide, quercetin-3-β-galactoside, quercetagetin 6-O-β-D-glucopyranoside, theaflavin 3,3′-di-O-gallate, 2β,30β-Dihydroxy-3,4-seco-friedelolactone-27-lactone, 6-geranyl-4′,5,7-trihydroxy-3′,5′-dimethoxyflavanone,3′-(3-methylbut-2-enyl)-3′,4,7-trihydroxyflavan, 8-(β-D-glucopyranosyloxy)-1,3,5-trihydroxy-9H-xanthen-9-one, 2β-hydroxy-3,4-seco-friedelolactone-27-oic acid, 1-hydroxy-2,6-dimethoxy-8-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]- 9H-xanthen-9-one, 1,2,6-trimethoxy-8-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]-9H-xanthen-9-one, 1,8-Dihydroxy-6-methoxy-2-[(6-O-β-D-xylopyranosyl-β-D-glucopyranosyl)oxy]-

9H-xanthen-9-one, 3,5-dimethoxy-1-[(6-ObD-xylopyranosyl-bD-glucopyranosyl)oxy]-9H-xanthen-9-one, 8,2-dihydroxy-3,4,5-trimethoxy-1-[(6-ObD-xylopyranosyl-bD-glucopyranosyl)oxy]-9H-xanthen-9-one, (1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl))ethenyl)decahydronaphthalen-2-yl-2-nitrobenzoate 2-(3,4-dihydroxyphenyl)-2-[[2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl]oxy]-3,4-dihydro-2H-1-benzopyran-3,4,5,7-tetrol, 2-((1R,5R,6R,8aS)-6-hydroxy-5-(hydroxymethyl)-5,8a-dimethyl-2-methylenedecahydronaphthalen-1-yl)ethyl benzoate, (S)-(1S,2R,4aS),5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl)ethenyl)decahydronaphalen-2-yl-2-amino-3-phenylpropanoate, (R)-((1R,5aS,6R,9aS)-1,5a-dimethyl-7-methylene-3-oxo-6-((E)-2-(2-oxo-2,5-dihydrofuran-3)-yl)ethenyl)decahydro-1H-benzo[c]azepin-1-yl)methyl 2-amino-3-phenylpropanoate, and (1S,2R,4aS,5R,8aS)-1-formamido-1,4a-dimethyl-6-methylene-5-((E)-2-(2-oxo-2,5-dihydrofuran-3-yl))ethenyl)decahydronaphthalen-2-yl 5-((R)-1,2-dithiolan-3-yl) pentanoate.

16. The multitarget antiviral dietary supplement of claim 1, wherein the fact that the masses of substances used on a daily basis are selected from the group consisting of:

between 5 and 500 mg of at least one substance for binding to the spike protein of the virus,

between 5 and 500 mg of at least one substance for binding to the spike protein receptor of the virus,

between 5 and 500 mg of at least one substance for preventing the virus from entering the cell, and

between 5 and 500 mg of at least one substance for preventing virus replication in cells.

17. The multitarget antiviral dietary supplement of claim 1, additionally comprising at least one substance for increasing the bioavailability of other substances.

18. The multitarget antiviral dietary supplement of claim 17, wherein at least one substance for increasing the bioavailability of other substances is selected from the group of substances consisting of: quercetin, epigallocatechin gallate, bromelain, piperine, and phospholipids / sunflower lecithin.

19. The multitarget antiviral dietary supplement of claim 1, additionally comprising at least one

essential micronutrient.

20. The multitarget antiviral dietary supplement of claim 19, wherein at least one essential micronutrient is selected from the group of substances consisting of: vitamin D3, vitamin K2, vitamin A, vitamin C, zinc and magnesium.

21. The multitarget antiviral dietary supplement of claim 20, wherein the masses of essential micronutrients used on a daily basis are selected from the group consisting of:

between 1,000 IU (25 µg) and 5,000 IU (125 µg) of vitamin D3,

between 50 µg and 250 µg of vitamin K2,

between 25,000 IU (7,500 µg retinol) and 125,000 IU(37,500 µg of retinol) of vitamin A,

between 200 mg and 1,000 mg of vitamin C,

between 10 mg and 50 mg of zinc, and

between 50 mg and 250 mg of magnesium.

22. The multitarget antiviral dietary supplement of claim 1, additionally comprising at least one substance for fibrinolysis against blood clots.

23. A multitarget antiviral dietary supplement according to claim 22, wherein at least one substance for fibrinolys is selected from the group of substances consisting of: bromelain, nattokinase and honokiol.

24. The multitarget antiviral dietary supplement of claim 23, wherein the masses of substances for fibrinolysis used on a daily basis are selected from the group consisting of:

between 50 mg and 500 mg of bromelain,

between 200 FU (10 mg) and 2000 FU (100 mg) of nattokinase, and

between 25 mg and 250 mg of honokiol.

25. The multitarget antiviral dietary supplement of claim 1, additionally comprising at least one substance for treatment.

26. The multitarget antiviral dietary supplement according to claim 25, wherein at least one

substance for treatment is selected from the group of substances consisting of: antipyretic, anticoagulant, antibiotic, antihistamine, antiviral, cough medicine, immune system modulator, IL-1 inhibitor, IL-6 inhibitor, H2 blocker, cytostatic, aspirin, phenazone, celecoxib, diclofenac, ibuprofen, indomethacin, naproxen, oxaprozin, piroxicam, heparin, warfarin, rivaroxaban, dabigatran, apixaban, edoxaban, enoxaparin, fondaparinux, levofloxacin, doxycycline, azithromycin, amoxicillin, clarithromycin, clavulanate, azelastine, diphenhydramine, lactoferrin, proxalutamide, sotrovimab, ivermectin, fluvoxamine, molnupiravir, bamlanivimab, bamlanivimab/etesevimab, casirivimab/imdevimab, nitazoxanide, favipiravir, colchicine, hydroxychloroquine, chloroquine, remdesivir, metformin, N-acetylcysteine, dexamethasone, prednisone, prednisolone, methylprednisolone, cortisone, hydrocortisone, baricitinib, merimepodib, amlodipine, losartan, famotidine, nizatidine, ranitidine, roxatidine, lafutidine, lavoltidine, niperotidine, heparin, camostat, camostat mesylate, nafamostat, paxlovid (nirmatrelvir/PF-07321332 and ritonavir), lufotrelvir (PF-07304814), otilimab, tixagevimab/cilgavimab, MEDI3506, apixaban, rivaroxaban, lopinavir, ritonavir, ribavirin, glucocorticoid, beclomethasone, betamethasone, budenoside, triamcinolone, dextromethorphan, benzonatate, infliximab, basiliximab, daclizumab, rapamycin, interferon b-lb, rilonacept, canakinumab, gevokizumab, tocilizumab, siltuximab, sarilumab, ranitidine, famotidine, nizatidine, roxatidine, lafutidine, lavoltidine, niperotidine, azathioprine, methotrexate, mycophenolate, clofazimine, teicoplanin, dalbavancin, oritavancin, telavancin, rifampicin, saquinavir, astaxanthin, IFN-γ, alloxistatin, clenbuterol, arbidol, VBY-825, CAA-0225, ZM201636, apilimod, tetrandrine, pemirolast, benserazide, pyruvic acid calcium isoniazid, protirelin, carbazochrome, nitrofurantoin, sapropterin, vidarabine, tazobactum, phenformin hcl, vildagliptin, sitagliptin, saxagliptin, linagliptin, gemigliptin, anagliptin, teneligliptin, alogliptin, trelagliptin, omarigliptin, evogliptin, gosogliptin, dutogliptin, antagonistic peptide-9 (AP-9), SP-8356, decanoyl-RVKR-CMK, naphthofluorescein, atazanavir, saquinavir, darunavir, indinavir, amprenavir, nelfinavir, fosamprenavir, tipranavir, benadryl, diphenhydramine, hydroxyzine, azelatin, paritaprevir, fijimycin A, cocurin, cyclosporin A, dactinomycin, daptomycin, emericelamidis A, trichoderin, martiapeptide, leodoglucomid, ungisin, lyolamycin, brunsvicamide A, tyrocidin A, 11-O-methylpseurotin A, lobocyclamide B, ngerheumicin I, ngerkeumicin I, nocathiacins I, solonamide A, thiocoralin, gramicidin S, guangomidis A, meplazumab, moxidectin, doramectin, oelandrin, selamectin, okadaic acid, gitoformate, amphotericin_B, P-57AS3, eprinomectin, concamanmycin A, natamycin, nystatin, beta-eskin, fusicoquine, levomefolic acid and probiotic.

27. A method for the administration of a multitarget antiviral dietary supplement, comprising an administration selected from the group of administrations consisting of: oral administration, rectal administration, respiratory administration, inhalation administration, spray administration, nasal spray administration, throat spray administration, nasal drop administration, drop administration for eyes, administration by throat tablets, administration by intramuscular injection, administration by intravenous injection, administration by intra-arterial injection, administration by subcutaneous injection, administration by skin absorption, administration in drink, administration in food, administration in toothpaste, administration in mouthwash, administration with drugs, administration with nanoemulsions, administration with mesoporous silicon nanoparticles, administration with solid lipid nanoparticles, administration with liposomes, administration with niosomal gels, and administration with solid dispersions.

28. A method for the application of a multitarget antiviral dietary supplement, comprising the application with masses of substances used on a daily basis according to claim 16 to contribute to: prevention of viral infection, recovery after treatment of viral infection, reduction of side effects of drugs in the treatment of viral infection and reduction of side effects of vaccines against viral infection.

29. A method for applying a multitarget antiviral dietary supplement, comprising application with multiple masses of substances used on a daily basis according to claim 16 to contribute to: home treatment of viral infection and hospital treatment of viral infection.

INTERNATIONAL SEARCH REPORT

International application No
PCT/RS2023/050001

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K31/00 A61P31/12
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2017/231888 A1 (SEKHAVAT HOUFAR [CA]) 17 August 2017 (2017-08-17) claims 1-3 -----	1-3,5,9, 15,27
X	DERWAND ROLAND ET AL: "COVID-19 outpatients: early risk-stratified treatment with zinc plus low-dose hydroxychloroquine and azithromycin: a retrospective case series study", INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, ELSEVIER, AMSTERDAM, NL, vol. 56, no. 6, 26 October 2020 (2020-10-26), XP086367981, ISSN: 0924-8579, DOI: 10.1016/J.IJANTIMICAG.2020.106214 [retrieved on 2020-10-26] cited in the application abstract ----- -/--	1-3,9, 10,15, 19,20, 25-29

[x] Further documents are listed in the continuation of Box C.

[x] See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
4 September 2023	12/09/2023

Name and mailing address of the ISA/	Authorized officer
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INTERNATIONAL SEARCH REPORT

International application No
PCT/RS2023/050001

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MUHAMMAD TAHIR UL QAMAR ET AL: "Structural basis of SARS-CoV-2 3CLpro and anti-COVID-19 drug discovery from medicinal plants", JOURNAL OF PHARMACEUTICAL ANALYSIS, vol. 10, no. 4, 1 August 2020 (2020-08-01) , pages 313-319, XP055729402, ISSN: 2095-1779, DOI: 10.1016/j.jpha.2020.03.009 cited in the application table 2	1-29
X	Anonymous: "A Phase II, Controlled Clinical Study Designed to Evaluate the Effect of ArtemiC in Patients Diagnosed With COVID-19", Clinical Trial No: NCT04382040, 3 June 2020 (2020-06-03), XP055836287, Retrieved from the Internet: URL:https://clinicaltrials.gov/ct2/history/NCT04382040?V_4=View#StudyPageTop abstract	1-15,19, 20,25, 27-29
X	WO 2021/186396 A2 (ONCOTELIC INC [US]) 23 September 2021 (2021-09-23) page 63, line 15 - page 64, line 9	1-15,19, 20,25, 27-29

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/RS2023/050001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2017231888 A1	17-08-2017	CA 2958794 A1	12-01-2017
		EP 3347009 A1	18-07-2018
		ES 2902842 T3	30-03-2022
		HK 1258525 A1	15-11-2019
		PL 3347009 T3	07-02-2022
		PT 3347009 T	12-01-2022
		US 2017231888 A1	17-08-2017
		WO 2017004692 A1	12-01-2017
WO 2021186396 A2	23-09-2021	CN 115968285 A	14-04-2023
		EP 4121041 A2	25-01-2023
		US 2023201290 A1	29-06-2023
		WO 2021186396 A2	23-09-2021