



**For Immediate Release  
December 22, 2020**

**SUNSHINE BIOPHARMA'S CORONAVIRUS TREATMENT ANTICIPATED TO BE EFFECTIVE AGAINST THE NEW VARIANT IDENTIFIED IN THE UK**

Montreal, Canada – (ACCESSWIRE) – Sunshine Biopharma Inc. (OTC Pink: "SBFM"), a pharmaceutical company focused on the research, development and commercialization of oncology and antiviral drugs today announced that its Anti-Coronavirus drug development program is unaffected by the recent discovery of a new strain of Coronavirus in Southern England. The new strain appears to be more easily transmissible due to a mutation in the Spike Protein, the crown-like structure on the surface of the virus which allows it to gain entry into the host cell. Sunshine Biopharma's Anti-Coronavirus compound, SBFM-PL4, acts on the Coronavirus Papain-Like Protease (PLpro) which is a non-structural protein encoded by the viral genome and synthesized by the hijacked protein synthesis machinery of the host cell. Sunshine Biopharma's SBFM-PL4 inhibits PLpro and arrests viral replication. SBFM-PL4 is expected to inhibit the PLpro of the UK variant just as well as it does the original strain since the UK strain does not show any mutations in the PLpro gene.

"Mutations in PLpro which could affect the binding of SBFM-PL4 to PLpro would have to be in the essential regions of PLpro and would likely be deleterious and produce non-viable virus particles," said Dr. Steve N. Slilaty, CEO of Sunshine Biopharma.

**About Sunshine Biopharma's Coronavirus Treatment**

Severe Acute Respiratory Syndrome-Coronavirus-2 (SARS-CoV-2) is the causative agent of COVID-19, the current ongoing pandemic that has claimed the lives of over 1.3 million people worldwide since it first appeared in December 2019. There are currently no drugs that can effectively arrest replication of the virus in people who have contracted the illness. On May 22, 2020, Sunshine Biopharma filed a provisional patent application for a library of molecules which were designed to inhibit the Coronavirus proteases, thus shutting down the ability of the virus to multiply and cause illness. Sunshine Biopharma has since screened the library and identified a lead Anti-Coronavirus compound (SBFM-PL4). The Company is currently conducting a series of *in vitro* tests to evaluate its specific inhibitory activity of SBFM-PL4 against the SARS-CoV-2 papain-like protease (PLpro), one of two Coronavirus encoded proteases essential for viral replication. Following the initial *in vitro* studies, SBFM-PL4 will be moved forward to the cell culture testing stage and assessment in Coronavirus infected mice before entering human clinical trials.

## **About Sunshine Biopharma**

In addition, to working on the development of a treatment for COVID-19, Sunshine Biopharma is engaged in the development Adva-27a, a unique anticancer compound. Tests conducted to date have demonstrated the effectiveness of Adva-27a at destroying Multidrug Resistant Cancer Cells, including Pancreatic Cancer cells, Small-Cell Lung Cancer cells, Breast Cancer cells, and Uterine Sarcoma cells. Clinical trials for Pancreatic Cancer indication are planned to be conducted at McGill University's Jewish General Hospital in Montreal, Canada. Sunshine Biopharma is owner of all patents and intellectual property pertaining to Adva-27a.

## **Safe Harbor Forward-Looking Statements**

*This press release may contain forward looking statements which are based on current expectations, forecasts, and assumptions that involve risks as well as uncertainties that could cause actual outcomes and results to differ materially from those anticipated or expected, including statements related to the amount and timing of expected revenues statements related to our financial performance, expected income, distributions, and future growth for upcoming quarterly and annual periods. These risks and uncertainties are further defined in filings and reports by the Company with the U.S. Securities and Exchange Commission (SEC). Actual results and the timing of certain events could differ materially from those projected in or contemplated by the forward-looking statements due to a number of factors detailed from time to time in our filings with the SEC. Among other matters, the Company may not be able to sustain growth or achieve profitability based upon many factors including but not limited to general stock market conditions. Reference is hereby made to cautionary statements set forth in the Company's most recent SEC filings. We have incurred and will continue to incur significant expenses in our expansion of our existing as well as new service lines noting there is no assurance that we will generate enough revenues to offset those costs in both the near and long term. Additional service offerings may expose us to additional legal and regulatory costs and unknown exposure(s) based upon the various geopolitical locations we will be providing services in, the impact of which cannot be predicted at this time.*

## **For Additional Information:**

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