



## NOVEL AMAZONIAN EXTRACTS BRETVIR AND BRETMUNE AS ANTIVIRAL CANDIDATES AGAINST SARS-CoV-2 INFECTION *IN VITRO*

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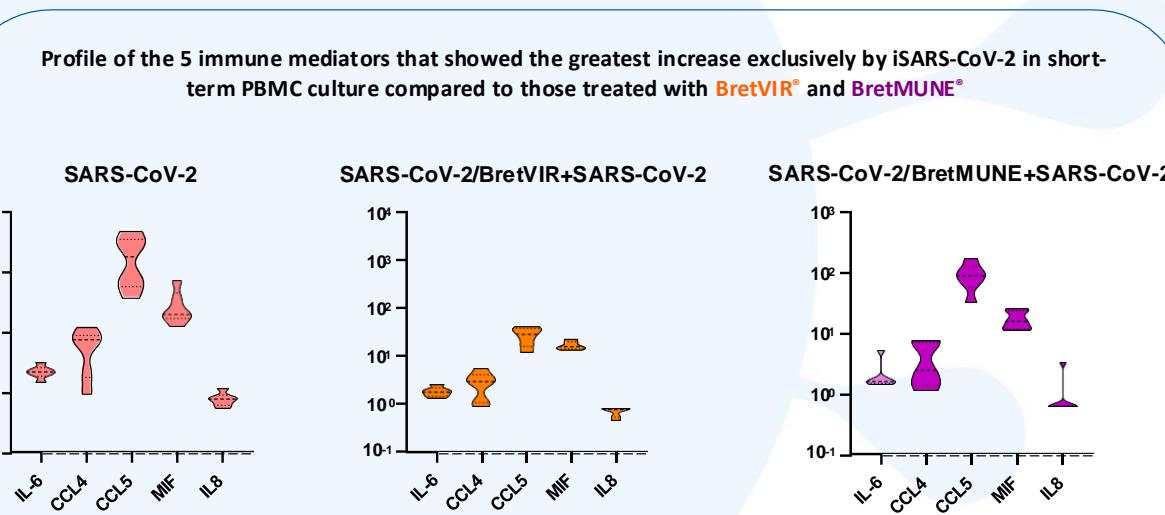
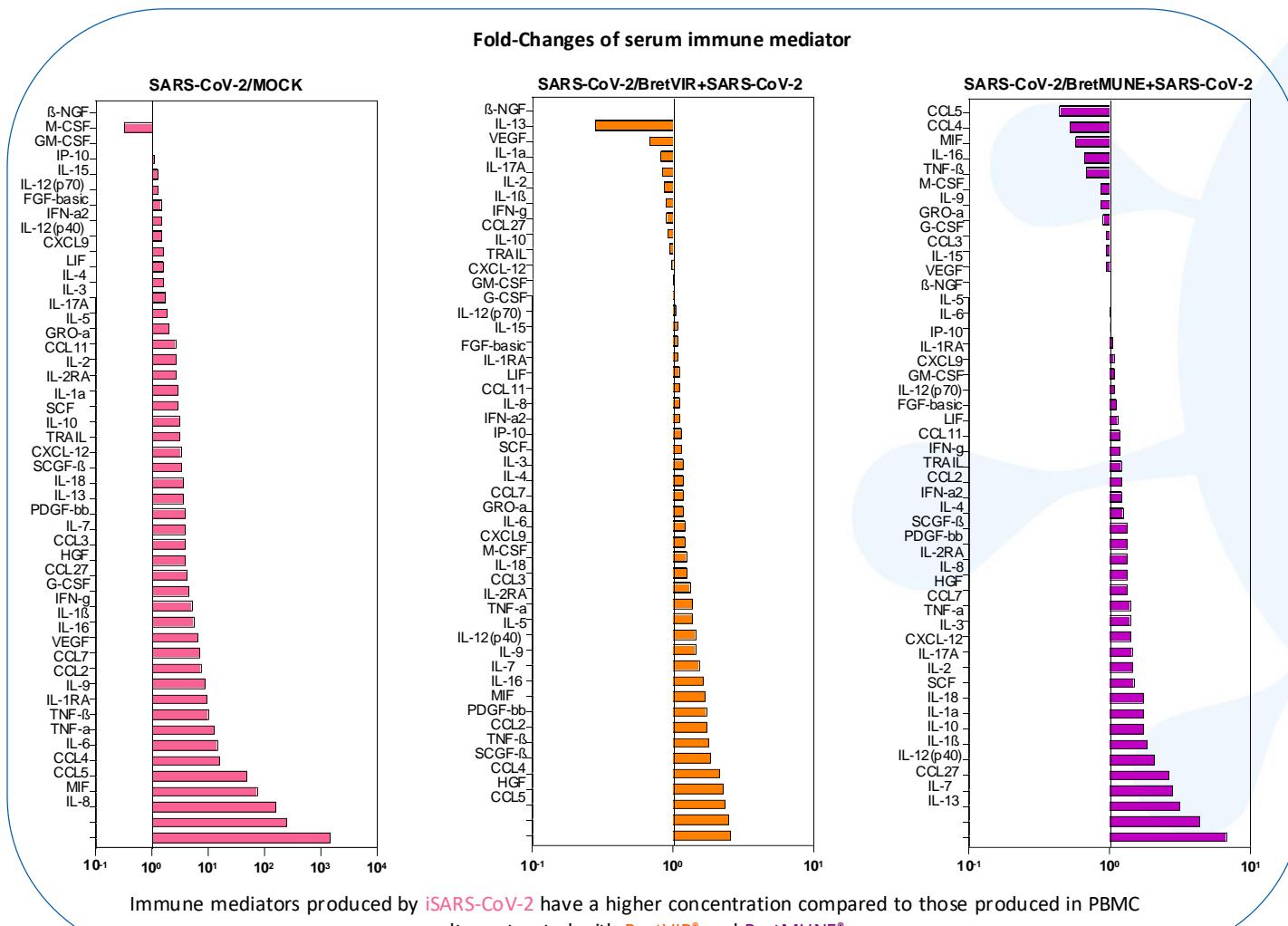
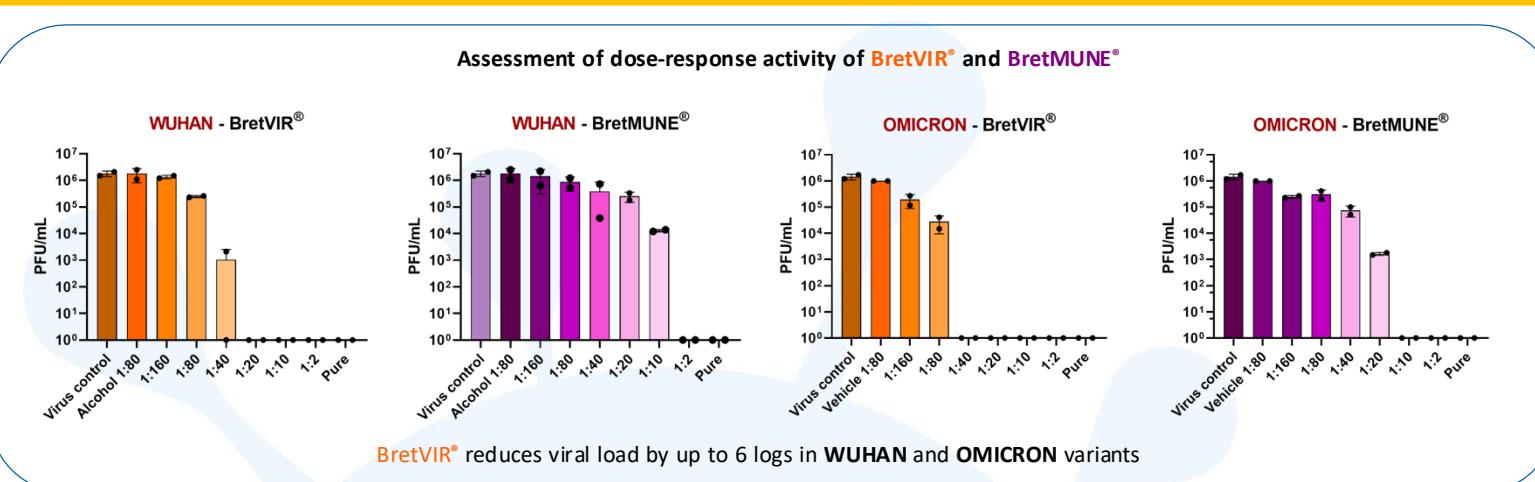
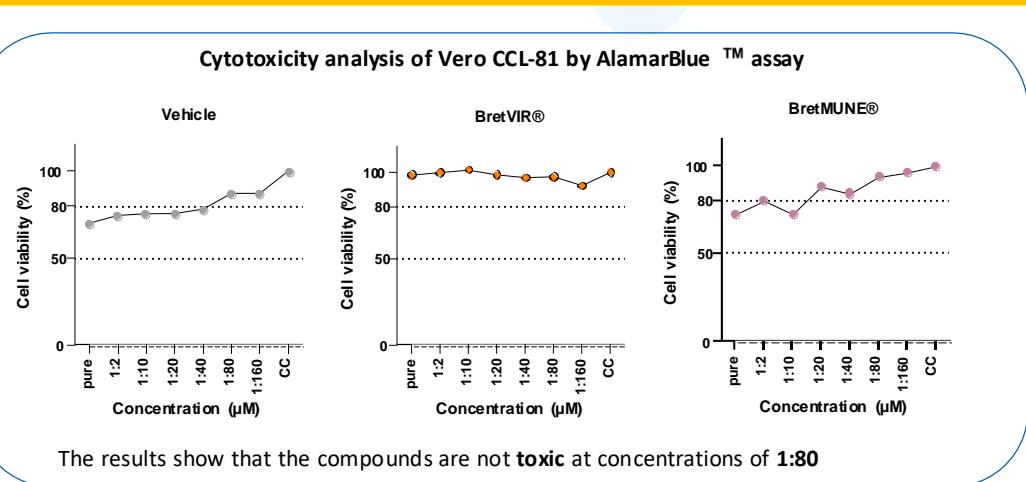
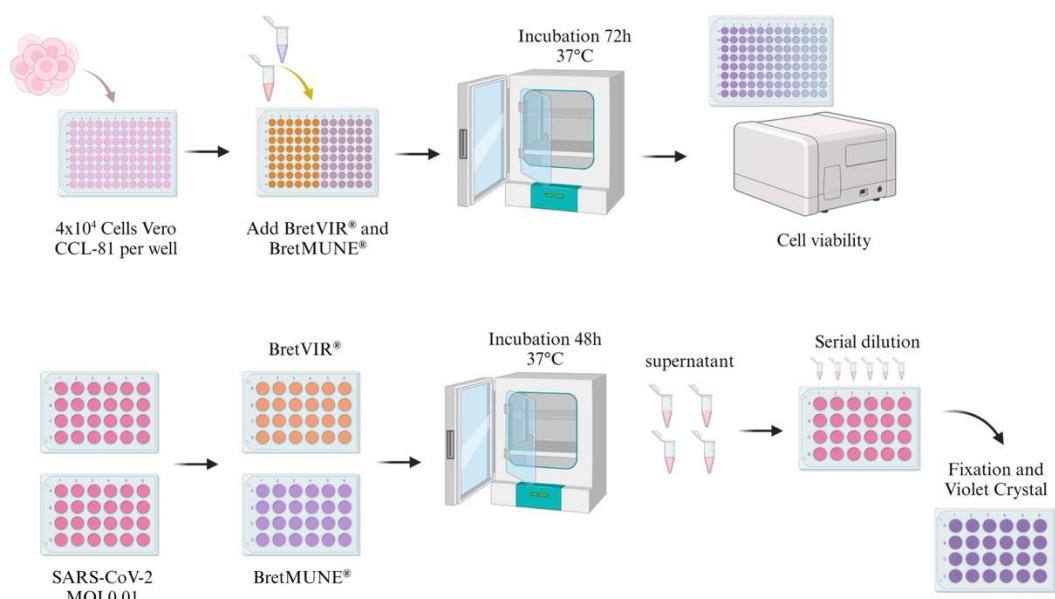
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### INTRODUCTION

The SARS-CoV-2 pandemic boosted the search for antivirals aimed at treating COVID-19. The antivirals used to treat COVID-19 available on the market are very expensive, impeding access to these therapeutic treatments worldwide. Therefore, it is urgent to develop new drugs to treat this respiratory disease. In this context, this study aimed at evaluating the cellular effects and the antiviral anti-SARS-CoV-2 activity of two amazonian extracts as new candidates for the COVID-19 treatment. BretVIR® and BretMUNE® extracts showed previous promising results against other viruses and were, therefore, selected for the study.

### MATERIALS AND METHODS



### CONCLUSION

This data indicate a dose-dependency of those extracts and a promising and significant interference in the viral replication cycle, specially for BretVIR®. Therefore, further tests are underway in order to shed light regarding the mechanisms of viral inhibition and its potential as anti-SARS-CoV-2 antiviral candidates.

### FINANCIAL SUPPORT