

**The following are changes to the text of the article.**

**1) In the 11<sup>th</sup> line of the abstract.**

“Results indicated that birinapant, atazanavir, and ritonavir potently bound and stabilized SARS-CoV-2 Mpro structure” should be

“Results indicated that birinapant, atazanavir, and lopinavir potently bound and stabilized SARS-CoV-2 Mpro structure.”

**2) in the 6<sup>th</sup> line of Radius of gyration section of the results.**

“Birinapant and ritonavir showed almost similar profiles with less-variable Rg, while alpha-mangostin .....”should be

“Birinapant and lopinavir showed almost similar profiles with less-variable Rg, while alpha-mangostin .....”

**3) in the 2<sup>nd</sup> paragraph of page 14.**

“Therefore, based on the clinical efficiency of lopinavir against SARS-CoV-2, the drugs atazanavir and birinapant are expected to perform with similar or improved efficacy comparable to that of ritonavir.” should be

“Therefore, based on the clinical efficiency of lopinavir against SARS-CoV-2, the drugs atazanavir and birinapant are expected to perform with similar or improved efficacy comparable to that of lopinavir.”

**4) in the conclusions.**

“These drugs had improved energetic and structural stability profiles that were comparable to or higher than those produced by the classic antiviral protease inhibitor ritonavir.” should be

“These drugs had improved energetic and structural stability profiles that were comparable to or higher than those produced by the classic antiviral protease inhibitor lopinavir.”