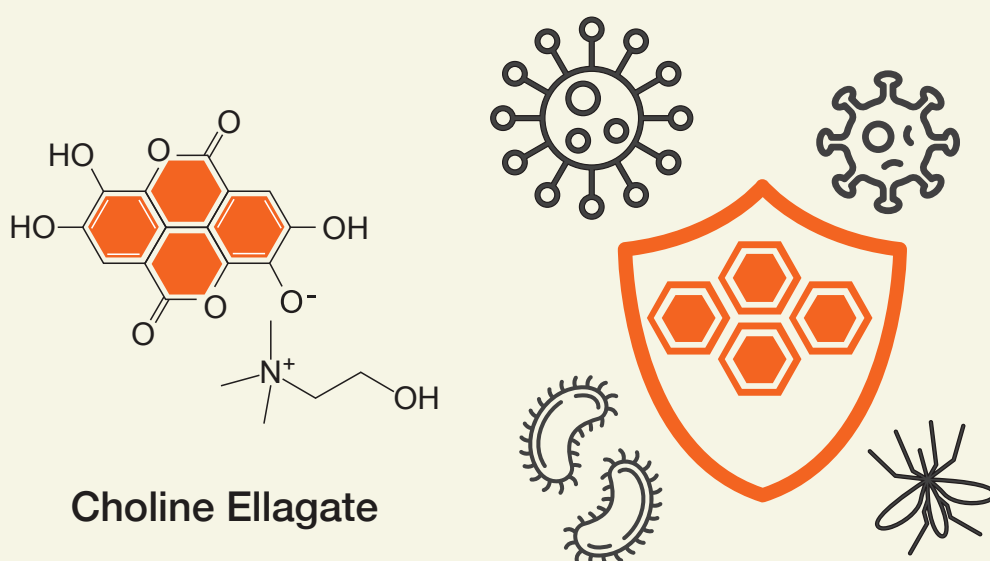


TheraNovi™ with Naturalin®

A naturally occurring phytonutrient demonstrates strong antiviral, virucidal, and antibacterial activity supporting immunity.

In 2019, the global immune health supplements market was projected to reach \$28B by 2027. Due to COVID-19 and the skyrocketing demand for immune support products, this projection may be greatly exceeded.



Naturalin is a choline salt, made of choline and plant polyphenol ellagic acid. Halo's process increases EA solubility >1,000X, enhancing its benefits.



Naturalin defends against oxidative damage:

inhibits gamma-radiation (hydroxyl radical) induced lipid peroxidation & is reported to have superoxide anion radical scavenging, hydrogen peroxide scavenging, ferric ions (Fe³⁺) reducing power and ferrous ions (Fe²⁺) chelating activities.



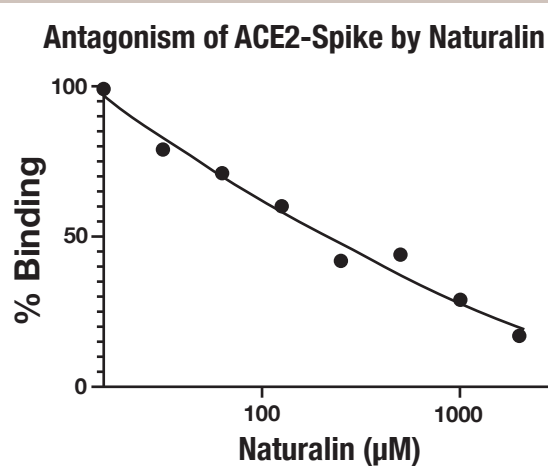
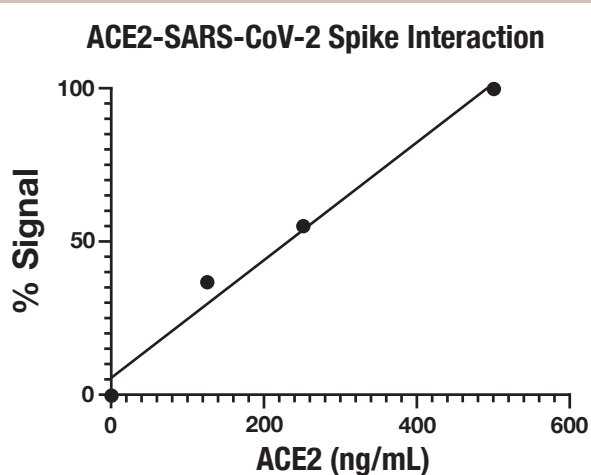
Naturalin defends against parasites, bacteria, and viruses:

shows antagonism and reduced SARS-CoV-2 spike-glycoprotein and ACE2 interactions & shows activity against malaria (Plasmodium vinckei petteri) as a suppressive, curative, and prophylactic & demonstrated anti-H. pylori eradication



Naturalin metabolites support mitochondria:

Mitochondria are power generators for cells & EA is reported to influence mitochondrial function at therapeutically relevant concentrations & has shown anti-inflammatory activity in several experimental disease models.



(LEFT) SARS-CoV-2 Spike Protein (S1) was immobilized and ACE2 interactions detected via ACE2 antibody. (RIGHT) Naturalin, (choline ellagate), was incubated in the presence of ACE2 and S1. Naturalin produces antagonism of the interaction (at 2mM, 83% of 500ng/mL ACE2 was blocked)

TheraNovi™

Immune Health

TheraNovi™ is a nutrient-based virus antagonist powered by Naturalin® - a patented choline and polyphenol salt. Scientific literature reports pomegranate extracts disrupt interactions of genetically diverse strains of viruses, including influenza, rhinovirus, poxviruses, HIV, malaria, herpes simplex virus, and coronavirus.

Clinical research has shown Naturalin antagonizes SARS-CoV-2 spike protein and blocks ACE2 receptor interaction and binding 83%. Naturalin is a powerful free-radical scavenger and natural anti-inflammatory.

Naturalin's characteristics of high solubility, lack of taste, and extreme heat tolerance (640°F) makes incorporation into various liquid, semi-solid, and solid forms, as well as foods and beverages simple.

Naturalin combined with other active ingredients, such as probiotics, vitamins and minerals may broaden its benefits in support of stronger immunity, healthy metabolism, and gut and brain health.