



Viral Purge 15ML

Viral Purge 15ml Designed to break down viral biofilm and support pathogen clearance, this potent 25:75 blend of organic Thyme and Oregano oils. Rich in Thymol and Carvacrol, it helps reset the microbiome, boost immunity, and whole-body detox. **INGREDIENTS** 25:75 Mixture Thyme: Oregano, Organic Oregano oil (80% Carvacrol), Organic Thyme Oil (40% Thymol)

Carvacrol, thyme oil (which is rich in carvacrol and thymol), and the p53 tumor suppressor gene are studied for their roles in cellular defense, apoptosis, and viral replication inhibition.

- **Direct Viral Inactivation:** Thyme oil and carvacrol have shown the capacity to disrupt the lipid envelopes of various viruses, thereby neutralizing them.
- **Viral Inhibition:** In *in vitro* and *in silico* studies, these compounds interfere with early stages of viral replication (e.g., blocking cellular entry and viral proteases).
- **p53-Mediated Apoptosis:** While p53 primarily regulates the cell cycle and programmed cell death to stop tumor growth, these thyme derivatives help trigger p53-dependent apoptosis in infected or mutated cells

Carvacrol, a natural antimicrobial compound found in oregano oil, can inhibit the formation of bacterial biofilms and disrupt quorum sensing, which is essential for biofilm development.

A worldwide pandemic infection by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is the cause of a deadly disease called COVID-19. Interaction of the virus and the Angiotensin converting-enzyme 2 (ACE2) receptor leads to an inflammatory-induced tissue damage. *Thymus vulgaris L.* (TvL) is a plant with a long history in traditional medicine that has antimicrobial, antiseptic, and antiviral properties. Thymol and Carvacrol are two important biological components in Thyme that have anti-inflammatory, antioxidant, and immunomodulatory properties.