

Antimicrobial Actions of Mullaca (*Physalis angulata*)

In other research, multiple research groups have confirmed mullaca's antimicrobial activities. Multiple studies over more than 20 years reports mullaca was shown to be active *in vitro* against several strains of mycobacteriums and mycoplasmas (both very stubborn types of bacteria which are not widely susceptible to standard antibiotics); regular and multi-drug-resistant disease-causing bacteria (including *Pseudomonas*, *Staphylococcus*, *Klebsiella*, *E. coli*, *Listeria*, and *Streptococcus*); viruses (Polio virus I, Herpes simplex virus I, the measles virus, and HIV-I); as well as candida and other fungi. Most recently, research indicates that mullaca may be active against and beneficial for COVID-19. Newer research also reports that mullaca might help prevent some bacteria's survival mechanism of creating a biofilm (a protective, slimy, glue-like substance), as well as break through biofilms to kill bacteria that have already created them.

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