



Silver nanoparticles are coming into interest as potential novel antimicrobial agents. As drug resistant strains develop and standard vaccines and treatments can't keep up, novel anti-virals and antibiotics based in nanoparticulate metals such as silver and gold are gaining interest. Silver can kill hundreds of viruses and bacteria whereas standard antibiotics and anti-virals kill just a few specific strains. . . . Silver disables a specific enzyme used by single celled viruses and bacteria to metabolize oxygen then suffocates the cell. There are other means by which silver can kill viruses and bacteria including disrupting their reproduction and respiration. Silver often works on drug resistant strains.

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Sambucus.. is from the elderberry. It is one of the most powerful known herbal anti-virals . . . Elderberry antioxidant flavanoids called anthocyanins are responsible for it's [sic] effectiveness against viruses. It can block viruses from entering our cells and prevent replication of viruses as well.

In marketing materials titled "Vitamin D for Coronavirus," you claim that "Vitamin D may not directly kill a virus like COVID-19 coronavirus but it can help strengthen our immune systems and may also prevent the coronavirus from attaching itself to cells..." [Two]

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[jelliott@ftc.gov](mailto:jelliott@ftc.gov) describing the specific actions you have taken to address the FTC's concerns. If you have any questions regarding compliance with the FTC Act, please contact Zachary A. Keller at [zkeller@ftc.gov](mailto:zkeller@ftc.gov)

Very truly yours,

**DAMA BROWN**

Dama J. Brown  
Regional Director  
Southwest Region

Digitally signed by DAMA

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