Combinação de glucana – resveratrol – vitamina C : forte potencial anti-tumoral no câncer de mama e de pulmão

Combination of glucan, resveratrol and vitamin C demonstrates strong anti-tumor potential.

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[Ab] Abstract: β-Glucans are naturally occurring carbohydrates found in plants, fungi and some bacterial species, and currently are well-established and powerful immunomodulators with beneficial properties in cancer therapy. Recent studies suggested that some additional bioactive molecules have synergistic effects when combined with glucan. In the current study, we evaluated the anticancer properties of glucan, resveratrol, vitamin C combination. We found that compared to the individual components, the combination was the strongest activator of phagocytosis and antibody formation. Using two different models of cancer treatment, our results demonstrated that the combination strongly suppressed the growth of breast and lung tumors, most likely due to the stimulation of apoptosis.