

Immunomodulatory Actions of Mullaca (Physalis angulata)

Mullaca has shown the ability to influence the immune system in helpful ways, a process known as immunomodulation. This means the plant can help balance how the immune system responds to threats like infections or inflammation. Some studies report that compounds in the plant can boost the activity of certain immune cells, such as macrophages, which help defend the body by fighting off invaders. At the same time, mullaca can reduce harmful inflammation, which is often linked to diseases like arthritis or cancer. By fine-tuning the immune system's response, the plant may help protect against diseases while preventing the immune system from becoming overactive or attacking healthy tissue (which is the cause of most autoimmune disorders). More than 20 studies by researchers around the world describe how mullaca can modulate the immune system to treat or prevent various diseases and conditions. For example; Researchers of China and Russia independently demonstrated the significant immunomodulatory effects against blastogenesis (a process triggered in leukemia) while boosting other immune functions which might account for the anti-leukemic effects in mice.

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