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Mycobacterium tuberculosis Arabinomannan Z-100

National Cancer Institute

Source

National Cancer Institute. *Mycobacterium tuberculosis Arabinomannan Z-100*. NCI Thesaurus. Code C118445.

An extract from *Mycobacterium tuberculosis* (*M. tuberculosis*) containing the polysaccharide arabinomannan, with potential immunostimulating activity. Upon administration of *M. tuberculosis* arabinomannan Z-100, this agent may activate the immune system by increasing the expression of various cytokines, such as interferon-gamma (IFN γ) and interleukin-12. This inhibits the activity of suppressor T-cells, increases T helper 1 cell (Th1) activity and may restore the balance between Th1/Th2 cells. Additionally, Z-100 may inhibit metastasis and tumor cell proliferation.