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Maitake Mushroom Extract

National Cancer Institute

Source

National Cancer Institute. *Maitake Mushroom Extract*. NCI Thesaurus. Code C91082.

An extract of the edible mushroom Maitaki, *Grifola frondosa*, rich in glucan polysaccharides, with potential immunostimulating activity. Upon oral ingestion, Maitaki mushroom extract may promote dendritic cell (DC) maturation, increase interferon gamma (IFN-gamma) and tumor necrosis factor alpha (TNF-alpha) production, and may enhance natural killer (NK) cell activity, thereby amplifying both innate and T cell-mediated immune responses against cancer cells. In addition, this extract may stimulate the production of granulocyte colony stimulating factor (GCSF) and promote hematopoiesis, and may improve the neutrophil count.