

ABSTRACT

The present invention develops and provides $\gamma\delta$ T cell activity enhancers and therefore immunopotentiators containing an extract of *Lentinus edodes* mycelium for use
5 in the treatment of tumor or the treatment and/or prevention of bacterial infections or viral infections by taking advantage of the effect that the extract of *Lentinus edodes* mycelium has in remarkably enhancing the activity of $\gamma\delta$ T cells.