

## Anti-inflammatory effect of MeOH extract of *Nardostachys chinensis* in IFN- $\gamma$ and LPS-stimulated mouse peritoneal macrophage

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*Nardostachys chinensis* (NC) has been widely used as a traditional medicine for the treatment of lots of diseases. In macrophages, nitric oxide (NO) is released as an inflammatory mediator and has been proposed to be an important modulator of many pathophysiological conditions in inflammation. In the present study, it was investigated that the inhibition effects on NO and the mechanism of down-regulation of immune response by 85% methanol extracts of NC in mouse (C57BL/6) peritoneal macrophages.

Extracts of NC suppressed NO production and the expression of iNOS and COX-2.

The present results indicate that the 85% methanol extracts of NC has an inhibitory effect on the production of NO through down-regulation of iNOS expression in LPS stimulated mouse peritoneal macrophages and therefore may be beneficial in diseases which related to macrophage-mediated inflammatory disorders.

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