

# Study on Antitumor Action of PSP

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## Abstract

It has been reported that some polysaccharides possess antitumor action. PSP is a glycopeptide isolated from Coriolus versicolor by Yang et al. Its physiological properties have been investigated. In the present work we studied the antitumor action of PSP in vitro experiments.

## Summary

PSP at the doses of 500 or 1000ug/ml produced inhibitory effect on P388 leukemia cells by 79-96%. At the dose of 1000 or 2000ug/ml PSP caused the inhibition of [<sup>3</sup>H]UR or [<sup>3</sup>H]TdR incorporation into RNA and DNA in Ehrlich ascites carcinoma cells was found to be the inhibition rate 50-80% or 27-47% respectively.