

# **The Study on the Degradation of protopanaxatriol ginsenoside contained in roots of SANQI**

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## **Abstract**

In this study, *Penicillium* was used as the engineering bacteria, and *Panax notoginseng* root powder was fermented and degrading under appropriate conditions. In this paper, High Performance Liquid Chromatography (HPLC) was developed for the determination of protopanaxatriol ginsenoside , the changes of protopanaxatriol in *Panax notoginseng* root were studied before and after fermentation. It was found that the ginsenoside Re and Rg1 and Rg2 contained in *Panax notoginseng* root could be transformed into protopanaxatriol ginsenoside F1 and Rh1.

**Keywords:** protopanaxatriol ginsenoside 、*Penicillium chrysogenum* 、Sanqi 、HPLC ◦