

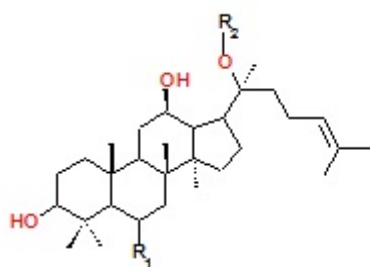
Drug Status Report

Drug: Yunnan Bai Yao

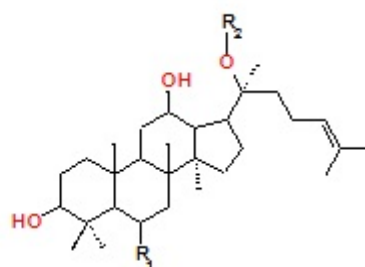
Drug Name Status: Yunnan Bai Yao is the brand name.

Yunnan Bai Yao is a traditional Chinese medicine (TCM) used as a haemostatic drug and consists of *Radix Notoginseng* as its primary active ingredient¹.

Radix Notoginseng is a herb that is more commonly known as *Radix Panax notoginseng* or in TCM as “San Qi”². The presence of a variety of saponins in *Radix Panax Notoginseng* is believed to provide the pharmacological effects of Yunnan Bai Yao, and these saponins have been identified to include a number of notoginsenosides and ginsenosides^{3,4}.



Notoginsenoside R1: R₁=Glc; R₂=-O-Glc-Glc-Xyl



Ginsenoside Re: R₁=Glc; R₂=-O-Glc-Glc-Rha

Canadian Status: Yunnan Bai Yao is not specifically listed in the CDSA and does not contain any substances that are similar to those listed in the Schedules to the CDSA.

Recommendation: Yunnan Bai Yao is not included in any of the Schedules to the CDSA and is not considered a controlled substance.

January 13th 2010.

¹Tang, ZL. *et al.* (2009) Effects of the preoperative administration of Yunnan Baiyao capsules on intraoperative blood loss in bimaxillary orthognathic surgery: A prospective, randomized, double-blinded, placebo-controlled study, *Int J Oral Maxillofac. Surg.* **38**:261-266.

²<http://www.tcm-treatment.com/herbs/0-sanqi.htm>

³Wei, Y-J. *et al.* (2007) Analysis of chemical and metabolic components in traditional Chinese medicinal prescription containing *Radix Salvia miltiorrhiza* and *Radix Panax notoginseng* by LC-ESI/MS methods, *Biomed. Chromatogr.* **21**:797-809.

⁴Liu, X-X. (2008) Simultaneous quantification of both triterpenoid and steroidal saponins in various Yunnan Baiyao preparations using HPLC-UV and HPLC-MS, *J. Sep. Sci.* **31**:3834-3846.