

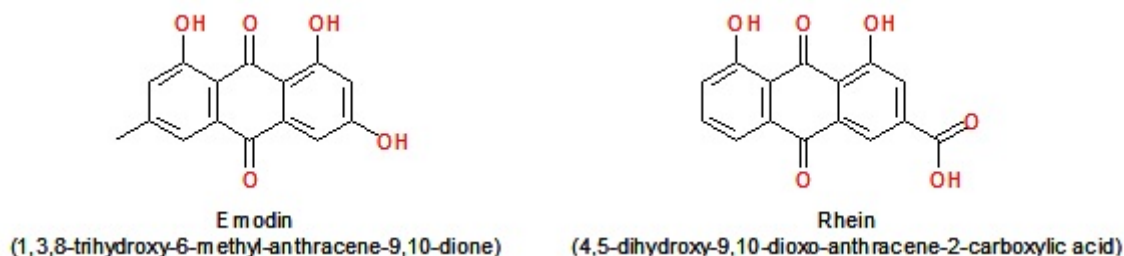
Drug Status Report

Drug: Xin Qing Ning

Drug Name Status: Xin Qing Ning is the brand name.

Xin Qing Ning is a herbal supplement that is used in traditional Chinese medicine (TCM) and is claimed to contain Radix et Rhizoma.

Radix et Rhizoma is more commonly known as Rhubarb root (*Radix et Rhizoma Rhei*) is widely used in TCM for treating conditions such as sinus infections, lung infections, nose bleeds and eye infections¹ and has also been shown to be effective in the treatment of diabetes². Emodin and rhein are the major bioactive components in *Radix et Rhizoma Rhei*, and produce a variety of pharmacological effects including anti-viral³, anti-cancer⁴, anti-inflammatory and antiseptic effects⁵. These substances are not similar to any of the substances in the Schedules to the CDSA.



Canadian Status: The status of Rhubarb root was recently evaluated in the status determination of the Chinese herbal supplement, Niu Huang Jie Du Pian, and was not found to contain any substances listed on the schedules to the CDSA.

Recommendation: Xin Qing Ning is not a controlled substance.

January 12th 2010.

¹http://findarticles.com/p/articles/mi_g2603/is_0006/ai_2603000630/

²Choi, SB. *et al.* (2006) Insulin sensitising and alpha-glucoamylase inhibitory action of sennosides, rheins and rhaponticin in *Rhei Rhizoma*, *Life Sci.* **78**:934-42.

³Ho, TY. *et al.* (2007) Emodin blocks the SARS coronavirus spike protein and angiotensin-converting enzyme 2 interaction, *Antiviral Res.* **74**:92-101.

⁴Lin, ML. *et al.* (2007) Rhein induces apoptosis through induction of endoplasmic reticulum stress and Ca²⁺-dependent mitochondrial death pathway in human nasopharyngeal carcinoma cells. *Anticancer Res.* **27**:313-322.

⁵Liu, X. *et al.* (2009) Targeting CpG DNA to screen and isolate anti-sepsis fraction and monomers from traditional Chinese herbs using affinity biosensor technology, *Int. Immunopharmacol.* **9**:1021-1031.

