

论著

湖北掌叶覆盆子叶的毒理试验研究

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摘要 背景与目的: 掌叶覆盆子叶是在湖北省内新发现的一种植物资源, 有降糖、降脂作用, 为开发这种资源, 对其食用安全性进行评价。材料与方法: 对湖北掌叶覆盆子叶进行小鼠急性毒性试验(最大耐受量法)、遗传毒性试验和90 d喂养试验。结果: 湖北掌叶覆盆子叶对昆明种小鼠急性经口毒性试验为无毒级。遗传毒性试验(小鼠骨髓细胞微核试验, Ames试验和精子畸形试验)结果均为阴性。按2.5、5.0、10.0 g/kg对Wistar大鼠连续经口灌胃给予90 d, 动物未见明显的中毒症状和死亡, 各剂量组大鼠体重、进食量、食物利用率、血象、血液生化、脏器重量、脏/体比值以及病理组织学等指标与阴性对照组比较, 差异均无统计学意义(P>0.05)。结论: 在本实验条件下, 未发现湖北掌叶覆盆子叶有明显的毒性作用。

关键词 [湖北掌叶覆盆子叶](#); [甜茶贰](#); [安全性评价](#)

Toxicological Evaluation of Hubei R. Chingii Hu

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Abstract **BACKGROUND & AIM:** R. chingii Hu is a newly identified herbal source in Hubei Province, although it has been used to prevent and help treat hyperglycemia and hyperlipidemia for hundreds of years by local people. Rubusoside is thought to be its special ingredient. In order to develop and utilize this new resource, toxicology tests of this new herb were conducted. **MATERIALS AND METHODS:** The safety of Hubei R. chingii Hu was evaluated systematically by a series of acute, mutagenic and sub_chronic toxicological tests. **RESULTS:** The acute toxicity test showed that the maximum tolerated oral dose of R. chingii Hu was more than 20.0 g/kg body weight in mice. No mutagenicity was found, as judged by mouse bone marrow cell micronucleus test, Ames test and mouse sperm abnormality test. In the subchronic study, no deaths or clinical signs, or abnormal hematological, biochemical and histopathological changes were found in rats after gavaging 2.5, 5.0 and 10.0 g/(kg-d) of Hubei R. chingii Hu for 90 days. **CONCLUSION:** The results indicated that Hubei R. chingii Hu may be safely used as a source of health food.

Keywords [R. chingii Hu](#) [rubusoside](#) [toxicological evaluation](#)

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