

Author's Accepted Manuscript

Evaluation of the Acute and Sub-chronic Oral Toxicity of the Herbal Formula Xiaoer Chaigui Tuire Oral Liquid

Wan li, Hanjie Jiang, Nuramatjan Ablat, Chen Wang, Yongfei Guo, Yi Sun, Xin Zhao, Jiamin Xu, Ke Zhang, Rutong Ren, Xiaoping Pu



PII: S0378-8741(16)30331-2
DOI: <http://dx.doi.org/10.1016/j.jep.2016.05.050>
Reference: JEP10188

To appear in: *Journal of Ethnopharmacology*

Received date: 23 December 2015
Revised date: 12 April 2016
Accepted date: 21 May 2016

Cite this article as: Wan li, Hanjie Jiang, Nuramatjan Ablat, Chen Wang, Yongfei Guo, Yi Sun, Xin Zhao, Jiamin Xu, Ke Zhang, Rutong Ren and Xiaoping Pu Evaluation of the Acute and Sub-chronic Oral Toxicity of the Herbal Formula Xiaoer Chaigui Tuire Oral Liquid, *Journal of Ethnopharmacology* <http://dx.doi.org/10.1016/j.jep.2016.05.050>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain

Evaluation of the Acute and Sub-chronic Oral Toxicity of the Herbal Formula Xiaoer
Chaigui Tuire Oral Liquid

Wan li ^{a,b}, Hanjie Jiang ^{a,b}, Nuramatjan Ablat ^{a,b}, Chen Wang ^{a,b}, Yongfei Guo ^{a,b}, Yi
Sun ^{a,b}, Xin Zhao ^{a,b}, Jiamin Xu ^{a,b}, Ke Zhang ^{a,b}, Rutong Ren ^{a,b}, and Xiaoping Pu ^{a,b*}

^a National Key Research Laboratory of Natural and Biomimetic Drugs, Peking
University, Beijing 100191, PR China

^b Department of Molecular and Cellular Pharmacology, School of Pharmaceutical
Sciences, Peking University, Xueyuan Road 38, PR China

* Corresponding author: Xiaoping Pu

Department of Molecular and Cellular Pharmacology, School of Pharmaceutical
Sciences, Peking University, 38 Xueyuan Rd. Haidian District, Beijing, China,
100191. Tel: +86-10-8280-2431; Fax: +86-10-8280-2431; E-mail:
puxiaopingbj@163.com

Abstract

Ethnopharmacological relevance: Xiaoer Chaigui Tuire Oral Liquid (XCTOL) is a
popular Chinese herbal formula. It is used to treat exogenous fever in children by
inducing diaphoresis and clearing interior heat.

Aim of the study: To evaluate the acute and sub-chronic toxicity of XCTOL in mice
and rats, respectively.

Materials and methods: In the acute toxicity study, mice were orally administered 100
g/kg body weight XCTOL three times a day. General behavior, adverse effects and
mortality were recorded for 14 days after treatment. In the sub-chronic toxicity study,
rats were orally administered 0, 20 or 80 g/kg XCTOL for 30 days. The rats were
observed daily for clinical signs and mortality. Body weight changes were measured
every three days, and relative organ weights, hematological parameters, urinalysis
results, biochemical parameters and pathology were monitored at the end of treatment.
After treatment, a 30-day withdrawal study was conducted.

Download English Version:

<https://daneshyari.com/en/article/5834606>

Download Persian Version:

<https://daneshyari.com/article/5834606>

[Daneshyari.com](https://daneshyari.com)