

不同生长季节下藏药麻花秦艽活性成分含量研究

孙菁^{1, 2}, 李玉林^{1, 2}, 纪兰菊¹, 马玉花¹, 徐文华^{1, 2}, 陈桂琛¹

1 中国科学院西北高原生物研究所; 2 中国科学院研究生院

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摘要 采用高效液相色谱法测定了野生与栽培藏药麻花秦艽(*Gentiana straminea*) 根中龙胆苦苷、落干酸、獐牙菜苦苷和獐牙菜苷四种环烯醚萜苷类化学成分的含量及其在不同生长季节的变化趋势。结果表明, 4种环烯醚萜苷类成分的含量随植物的生长季节而波动, 其活性成分含量在野生种与栽培种之间发生了一定的差异。但是, 栽培根中的龙胆苦苷已达到药典的标准, 可供药用。

关键词 [藏药](#) [麻花秦艽](#) [龙胆苦苷](#) [落干酸](#) [獐牙菜苦苷](#) [獐牙菜苷](#) [高效液相色谱法](#)

分类号

HPLC Determination of Contents of Four Active Constituents in Tibetan Medicine *Gentiana straminea* (Gentianaceae) During Different Growing Period

SUN Jing^{1, 2}, LI Yu-Lin^{1, 2}, JI Lan-Ju¹, MA Yu-Hua¹, XU Wen-Hua^{1, 2}, CHEN Gui-Chen¹

1 Northwest Plateau Institute of Biology, Chinese Academy of Sciences, Xining 810008, China; 2 Graduate School of the Chinese Academy of Sciences, Beijing 100039, China

Abstract

Contents of four iridoid glycosides viz . gentiopicroside , longanic acid , swertiamarin and sweroside of wild and cultivated *Gentiana straminea* roots gathered in different seasons were analyzed by means of HPLC determination . The results indicated that contents of the four iridoid glycosides varied greatly with different seasons between wild and cultivated *Gentiana straminea* . And according to the criterion of pharmacopoeia of China, after cultivation content of gentiopicroside in *Gentiana straminea* root had accorded with the regulation and can preliminarily replaced the wild species to use as a plant medicine . The mechanism causing the content changes of the four iridoid glycosides may be due to the integrated effects of many factors, such as the ecological factors, the genetic factors .

Key words [Tibetan medicine](#) [Gentiana straminea](#) [Gentiopicroside](#) [Loganic acid](#) [Swertiamarin](#) [Sweroside](#) [HPLC](#)

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通讯作者 陈桂琛 gchchen@mail.nwipb.ac.cn

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