

Title	Application of liquid particle extraction to the purification of glycyrrhizin
Sub Title	
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Publisher	共立薬科大学
Publication year	1991
Jtitle	共立薬科大学研究年報 (The annual report of the Kyoritsu College of Pharmacy). No.36 (1991.) ,p.45- 45
JaLC DOI	
Abstract	
Notes	抄録
Genre	Technical Report
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000036-0045

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Application of Liquid Particle Extraction to the Purification of Glycyrrhizin*

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Glycyrrhizin on the market (about 90 % purity) contains two major impurities which are difficult to remove by recrystallization. Purification of a commercial sample was carried out by a dual-flow countercurrent extraction method, liquid particle extraction, which was recently introduced. Starting from 72.6 mg of commercial glycyrrhizin, it was purified to a purity of 99.7 % with a recovery of 53.1 % (35.3 mg).

* 本報告は *Chem. Pharm. Bull.*, 39 (4), 969—971 (1991) に発表.