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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).

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