Optimization of Extraction Conditions from the Mixture of *Saussurea grandifolia* and *Taraxacum coreanum*

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To determine the optimum extraction conditions that give the highest yield of 1,5-DCQA and luteoloside from the mixture of *Saussurea grandifolia* and *Taraxacum coreanum*, the effects of four extraction variables (solvent concentrations, extraction time, number of repeated extraction, and solvent volumes) on 1,5-DCQA and luteoloside yield was examined via HPLC-UV. Our results showed that the highest extract and 1,5-DCQA and luteoloside yield were observed when the mixture of *S. grandifolia* and *T. coreanum* was extracted with 30% EtOH (1 g/20 mL) for 3 hr repeatedly for three times. This study reports an optimized method for extraction of 1,5-DCQA and luteoloside from the mixture of *S. grandifolia* and *T. coreanum* and evaluates potential sources of the compounds.

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