

## **Identification of alkaloids in Greater Celandine grass and Macleaya heart leaves by HPLC**

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### **Abstract**

The universal chromatography system for identification of alkaloids in medicinal plants is offered. As a mobile phase it is offered to use 0.005M solution of lauryl sulfate sodium and acetonitrile in the ratio 60:40 (in volume) at the temperature of the column 30 °C. Capacity factors were calculated for 14 alkaloids in chromatographic columns of 250·4.6 mm with sorbents Phenyl, C-18, C-8, the size of particles was 5 microns. The obtained database was used at identification of alkaloids in Macleaya heart leaves and in Greater Celandine grass, collected in the conditions of continental climate of Belarus Republic.