

The invention relates to the pharmaceutical industry and can be used for producing bisulfates of benzophenanthridine alkaloids with antimicrobial activity, in particular sanguinarine and helerythrin, from macleaya leaves.

The process for producing bisulfates of benzophenanthridine alkaloids from leaves of *Macleaya microcarpa* (Maxim.) Fedde or *Macleaya cordata* (Wild.) R. Br. comprises the extraction of alkaloids from raw materials with an alcohol-water mixture, crystallization of the crude product from the alcohol-water extract, separation, washing and drying of the crude product, purification of the crude product, crystallization, separation, washing and drying of the end product, at the same time extraction of the raw material is carried out with 90% ethanol, crystallization of the crude the product is initiated by acidification of the alcohol-water extract with sulfuric acid to a concentration of 0.1-0.12 mol/L, after which the acidified extract is aged for 2-3 weeks to complete crystallization, purification of the crude product is carried out by treatment with sodium carbonate solution to pH 3.0-6, 0, removal of sediment, sorption of impurities by activated carbon and crystallization of the end product by treatment of the purified solution with sulfuric acid.

The process allows to obtain the sum of alkaloids bisulfates from macleaya leaves without the use of toxic solvents and reagents, and also to simplify the process.

Claims: 3