

## **STUDY BIOGENIK STIMYLATORS CONTAINED JUICE KALANHOE**

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The problem of preserving human health has never lost its relevance. At the same time an important role in her decision belongs to the medicinal plants. In various countries, a quarter used therapeutic agents are drugs on the basis of biogenic stimulant plant origin.

Biogenic stimulators - a substance produced in isolated tissues of animals and plants that are in conditions unfavorable for their existence: for animal tissues - a reduced temperature for the plant - reduced temperature and darkness. In the process of the thinking biostimulants was found that these substances can not only occur in isolated tissues, but also in vivo during adaptation to unfavorable conditions such as irradiation, trauma, inflammatory processes and intense muscular activity, etc. Biostimulyators is a complex in which the main role is played carboxylic acids: succinic, oxalic, malic, citric, tartaric, cinnamic, cinnamic, as well as high aromatic acids.

The greatest number of biogenic stimulators accumulate plant family Crassulaceae: aloe drug, kalanchoe, sedum and other large. One of the widely used plants for biogenic stimulators is Kalanchoe. Kalanchoe belong to the family Crassulaceae and genus kalanchoe. During a large number of pharmacological studies have found that the juice has many Kalanchoe therapeutic properties, including bactericidal, bacteriostatic, anti-inflammatory action, wound healing action and a pronounced biostimulating effect. Each of the members of the kalanchoe components plays an important role, and together they reinforce each other's action. The juice kalanchoe contain anthracene derivatives, essential oils, tar substances, vitamins, polysaccharides, succinic acid, and enzymes. Over the past three or four decades interest in kalanchoe increased markedly. Formulations plants virtually non-toxic and is rapidly cleared from the wound and ulcer necrotic tissue. Application of kalanchoe in medicine is different: it is part of the set of ointments and cosmetics skin care products, used as the basis for some solutions and tinctures. The main drugs kalanchoe, widely used in medical practice, are syrup, ointment, tincture of alcohol; kalanchoe is also used in medicine in the form of fresh products and condensed juice (Sabur). They exert anti-inflammatory effects, and save from necrosis. But more often than juice kalanchoe is used as an external agent. The pharmaceutical industry produces medical kalanchoe as alcohol tincture or juice in vials or ampoules.