

PL8. PROSPECTS FOR THE USE OF MEDICINAL PRODUCTS BASED ON PLANTS OF THE GENUS *FERULA* OF THE FLORA OF UZBEKISTAN

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Ferula tadshikorum is a perennial, unpleasant-smelling herbaceous plant of the celery family – Apiaceae (Umbelliferae). In Uzbekistan, it grows in Kashkadarya, Surkhandarya regions. In folk medicine of the East, *F. tadshikorum* is used as an antiparasitic, anticonvulsant, antispasmodic, expectorant, for tuberculosis, syphilis, malignant tumors and to improve digestion. Of all the varieties of known types of ferule activity, a promising direction of use in medicine is their antiparasitic, namely anti-lambliosis activity. It is known that giardiasis is a widespread disease, especially in children, which is promising for the Central Asian region.

It is known from the literature that in the East, thetic resin (“smelly resin”), obtained from fresh *Ferula* roots by cutting, is used as a spice. Currently, industrial preparations of this resin, which is exported by tons as a spice to India, Iran, Pakistan, Afghanistan, lead to depletion of stocks of these plants.

The creation of new estrogenic herbal preparations based on the domestic *Ferula* species for the treatment of gynecological diseases is justified. Almost half of women with menopausal syndrome have a severe course of the disease (51%). In this regard, the development of a phytopreparation for the correction of menopausal syndrome based on the aboveground part of *F. tenuisecta* is relevant. The drug Tefestrol based on finely dissected *Ferula* (roots), which is used for the treatment of gynecological diseases in the form of 0.005 g tablets, has been introduced into medical practice in the Yunusov Institute of Plant Chemistry of the Academy of Sciences of the Republic of Uzbekistan (ICPS). But today, other medicinal forms of the drug are necessary and in demand in gynecological practice.

One of the effective forms are: injection (oil solution), as well as ointment, which are especially effective in gynecology as a birth aid. It is known that cases of non-opening of the cervix are observed during childbirth, which leads to the need to use a caesarean section to prevent the death of the fetus. For the first time, we experimentally established the effective use of an injectable oil solution of Tefestrol, which causes a smooth and complete opening of the cervix and successful natural childbirth.

Within the framework of this scientific and technical project it is planned: on the basis of an alcohol extract and *Ferula tadshikorum* resin, to develop a technology of medicines with antiparasitic (anti-lambliosis) activity, estrogenic drugs (Tefestrol + oil solution for injection) as a birth aid (instead of “cesarean section”), a new phytopreparation for the correction of menopausal syndrome and hormonal therapy from the aboveground part of the finely dissected *ferula*, an anti-inflammatory dietary supplement (dietary supplement) based on *F. tadshikorum* resin, proposed for use in gastrointestinal tract problems, as well as the development of a modern method of standardization of *F. tadshikorum* resin exported abroad.

Keywords: *Ferula*; Uzbekistan flora; Apiaceae