

The combination of DHQ and AH has a more pronounced capillaroprotective, lymphokinetic and anti-inflammatory activity than just DQV.

Dihydroquercetin is characterized by low water solubility. In addition, pharmacokinetic studies have shown that it belongs to the "short-lived" drugs, its half-life does not exceed 1.25 hours. Composites formed as a result of joint mechanochemical processing of AG and DHQ samples (20:1) have significantly higher solubility compared to the initial DHQ (up to 38 times) and the untreated mixture of AG/DHQ. It was found that no chemical transformations of components occur during the combined mechanochemical processing of AG and DHQ samples [76]. The obtained results served as a basis for development of biologically active additives to food Adixen. Research conducted at the regional cancer dispensary (Irkutsk) has shown that the use of Ardixin in the treatment of cancer patients in combination with standard chemotherapy is well tolerated by patients and does not lead to an increase in the toxicity of treatment. There has been a rapid relief of diarrhea in the appointment Ardissino in patients with already developed a complication. Biocomposite can be prescribed to patients receiving radiation and chemotherapy as a dietary Supplement to reduce the number of episodes of diarrhea and improve the quality of life [77]. Data on increased capillaroprotective, lymphokinetic and anti-inflammatory activity of DHQ when using it in a composition with arabinogalactan were obtained. In the model of chronic venous insufficiency, it was found that the composition of DHQ with AH shows decongestant activity, reduces the adhesion of white blood cells and improves microcirculation. In addition, it was found that the presence of arabinogalactan in the composition with dihydroquercetin does not significantly affect the antioxidant and antithrombogenic activity of DHQ. Preventive administration of this composition reduces thrombosis in the stasis-induced thrombosis model [78].

A source

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"Development of a veterinary drug based on biologically active compounds of larch biomass." Irkutsk state agrarian University named after E. Yezhevsky, 2018.