

Interaction fulleranol with biologically active substances in water solutions

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Abstract

The investigations of a number of physical and chemical properties of aqueous solutions of fulleranol (electrical conductivity, surface tension, optical activity, the effect on the swelling of gelatin and electrokinetic properties of dextran) and its interaction with various biologically active substances are investigated.

It is established that fulleranol has no surface activity, does not significantly affect the electrical conductivity and pH of the water and does not interact specifically with dextran. These results demonstrate that the pharmacological action of aqueous solutions of fulleranol is due to its interaction with proteins.