

## Kinetics of gelatin swelling in aqueous solutions of azoles

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### Abstract

The present work is a continuation of a series of studies on the sorption of heterocyclic compounds on the surface of the protein. The paper is devoted to the kinetic regularities of interaction of macromolecular compound (in this case, gelatin) with a nitrogen compound. The dependence of the swelling rate structure interacting substance, and the pH of the solution was studied. The azole influence on the swelling of proteins was investigated depending on the time of swelling and the pH of the solution. The results indicated that azoles affect the swelling of gelatine. The swelling rate of gelatin in the same media in the presence of acidic azole of different substituents was markedly different. It can be judged that the presence of electron-donating and electron-withdrawing groups is responsible for the change in the rate of swelling.