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Microencapsulation of steroid hormones in the gelatin shell

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Abstract

The article is devoted to microencapsulation brassinosteroids in gelatin shell. Based on the method Zlatkis-Zack developed a technique that allows to control the degree of involvement of the active substance – cholesterol in microcapsules. The highest degree of microencapsulation is achieved using 3% gelatin solution. The kinetics of the release of model compounds, cholesterol and Solvent Blue 104 dyes from microcapsules, was investigated. It was found that microencapsulation allows for a gradual release of the active substance on the whole time interval of soaking seeds.