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Selection of stabilizer and evaluation of the main stages of rifampicin incapsulation

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Abstract

Possibility of incapsulation of rifampicin in the presence of polyvinyl alcohol and the Aerosol OT (AOT) was shown. It has been revealed that using a mix of AOT and polyvinyl alcohol essentially increases efficiency of incapsulation if concentration of stabilizers is equal to a half of necessary concentration for incapsulation at the individual use of stabilizers. The main characteristics of the obtained microcapsules (distribution of particles by size, dzeta-potential value) were defined and the kinetics of rifampicin liberation was investigated.