

Dissolution rate enhancement and solid state characterization of Ritonavir-PEG 4000 solid dispersions

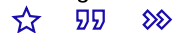
AK Mahapatra, PN Murthy, RK Patra, S Mallik - jparonline.com

Background: Ritonavir, a biopharmaceutical classification system (BCS) class II drug. Aim:

The current research work endeavors to provide an account on the application of solid dispersion techniques for solubility and in vitro dissolution enhancement of ritonavir with

PEG 4000, using physical mixing, solvent evaporation, and melting technique. Method:

Different drug-topolymer ratios at 1: 0.5, 1: 1, 1: 1.5, 1: 2 and 1: 2.5 were prepared to investigate the appropriate concentration of polymer required to enhance the solubility of the ...



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