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(57) Abstract :

The present invention relates to pharmaceutical processes and more particularly it discloses an improved and efficient process for catalyzing the solubility of Rifapentine, an antibiotic drug through melting technique. The process involves preparation of physical mixtures, melting granules and analysis. The in vitro dissolution rate of all prepared granulates was increased compared to the corresponding physical mixtures and the drug alone, because of the higher hydrophilic character of the systems due to the carriers and the slight reduction of RIF crystallinity. No significant differences were attested by the analysis of variance (ns P> 0.05) between the samples with different amount of PEG, nor with the incorporation of lactose and crosspovidone into the formulation.

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