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EXPLORING THE FEASIBILITY OF THE USE OF BIOPOLYMERS AS A CARRIER IN THE FORMULATION OF AMORPHOUS SOLID DISPERSIONS – PART I: GELATIN.

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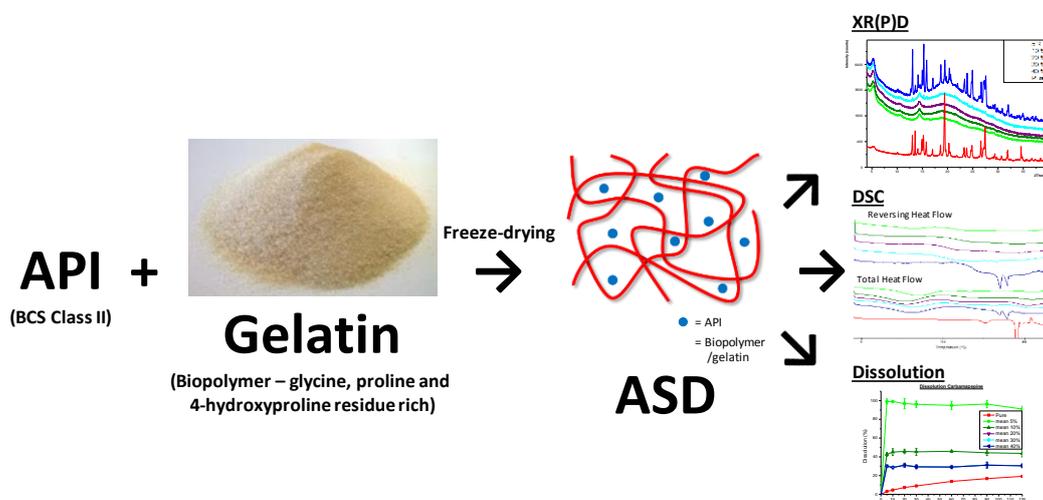
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Graphical Abstract:



Abstract

Biopolymers have rarely been used so far as carriers in the formulation of amorphous solid dispersions (ASD) to overcome poor solubility of active pharmaceutical ingredients (APIs). In an attempt to enlarge our knowledge on this topic, gelatin, type 50PS was selected. A screening study was initiated in which twelve structurally different poorly soluble biopharmaceutical classification system (BCS) Class II drugs (carbamazepine, cinnarizine, diazepam, itraconazole, nifedipine, indomethacin, darunavir

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