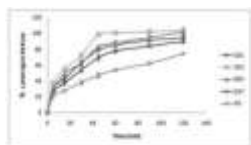


(54) Title of the invention : SOLID DISPERSION FORMULATION OF LAMOTRIGINE

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(57) Abstract :

The present disclosure relates generally to the field of Pharmaceuticals. Particularly, the present disclosure provides solid dispersion formulation of Lamotrigine. Aspects of the present disclosure also relates to a method of preparation of solid dispersion formulation of Lamotrigine. The present disclosure is on a premise that a solid dispersion formulation of Lamotrigine, said formulation comprising Lamotrigine and modified locust bean gum (MLBG) in a weight ratio ranging from 1:1 to 1:7 surprisingly improves the equilibrium solubility of Lamotrigine by about 2.5 times as compared to that of the Lamotrigine. Accordingly, an aspect of the present disclosure provides a solid dispersion formulation of Lamotrigine, said formulation comprising Lamotrigine and modified locust bean gum in a weight ratio ranging from 1:1 to 1:7.



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