

(54) Title of the invention : A PROCESS OF PREPARATION OF AZITHROMYCIN SOLUTION WITH ENHANCED BIOAVAILABILITY

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(57) Abstract :  
 TITLE: A PROCESS OF PREPARATION OF AZITHROMYCIN SOLUTION WITH ENHANCED BIOAVAILABILITY  
 APPLICANT: ANNAMALAI UNIVERSITY ABSTRACT The present invention discloses a method for enhancing the solubility of hydrophobic drug Azithromycin to form an enhanced bioavailable Azithromycin drug solution. The present invention discloses a method comprising of the following steps: a. dissolving P-123 in water to obtain aqueous pluronic P-123 solution; b. dissolving L-35 in water to obtain aqueous pluronic L-35 solution; c. mixing the aqueous pluronic P-123 solution and the aqueous pluronic L-35 solution to obtain mixed micellar media; d. dissolving Azithromycin in methanol and adjusting the pH to 6 to obtain a drug solution; and e. Characterized in mixing the drug solution with the mixed micellar media to obtain an enhanced bioavailable Azithromycin drug solution.

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