

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1010/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :10/04/2015

(43) Publication Date : 14/10/2016

(54) Title of the invention : FLOATING TABLET FORMULATION OF DOMPERIDONE

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(86) International Application No	:NA	Punjab India
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Filing Date	:NA	

(57) Abstract :

Domperidone is a drug for preventing vomiting (antiemetic). It shows good solubility in stomach (acidic pH) but poor in the intestine (alkaline pH). When it passes into intestine, precipitation occurs and drug release is prevented, decreasing therapeutic action. Hence, it is desirable that maximum release of drug should occur in stomach and passage of drug into intestine should be prevented. In present invention, this problem has been overcome by development of a floating dosage form i.e. a floating tablet, which remains in the stomach and does not pass into the intestine until maximal drug is released. The formulation comprises active drug (12.5% w/w), Hydroxy Propyl Methyl Cellulose or HPMC (30%), Chitosan (30%), Sodium Bicarbonate (10%), Lactose (7%) and Magnesium Stearate (0.5%). The formulation shows a drug release of around 76% over a period of 8 hours.

No. of Pages : 13 No. of Claims : 2