

Development of Modern Dosage Form of Domperidon

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Abstract:

It is a dopamine (D2) receptors inhibitor extensively utilized in grownup treatment & management of severe nausea, particularly in Parkinson patients, in managing and treating anti-cancer chemo, radiation therapy or L-dopa. The order of sustaining DMP release from tablets was exhibited by: Cp 934P < Eudragit RLPO > Eudragit RS100 > Eudragit RL100 > Ethylcellulose > HPMC 15000 > Na Alg. Increasing the polymer concentration in tablets increased the sustaining effect of drug release. Formulae containing Cp 934P showed zero-order kinetics while the rest of formulae exhibited Higuchi-diffusion kinetics. The release of DMP from all formulae was according to non-fickian mechanism which was controlled by a combination of diffusion and chain relaxation mechanisms.

Keywords: Morden Dosage, Dopamine, Receptors Inhibitor, DMP

1. Introduction

Dosage forms (often known as unit doses) seem to be pharmaceutical items in the pattern in that they are advertised for use, with an accurate assessment of active compounds and non-active materials (excipients), in a particular sequence (for example, a capsule shell), and allocated into such a acute. Such as two items may include amoxicillin, so one is in 500 mg capsules the other is in 250 mg chewable pills. The word dosage form can indeed indicate to pharmaceutical formulation of a pharmaceutical manufacturer's main drug material(s) and any mixes included, without taking into account anything else. Because of the hazy borders and overlap of these words, as well as certain variations and qualifiers, within the pharmaceutical business, care is frequently advised when speaking with those who may be inexperienced with someone else's usage of the phrase. Many traditional medication dosage forms are being replaced with second-