عنوان مقاله:

Significant Increasing of Gastrointestinal Dissolution of Aceclofenac via Florite

محل انتشار:

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خلاصه مقاله:

It has been reported that about 40% of the compounds being developed by the pharmaceutical industries are poorly water soluble. The limiting factor to the in vivo performance of poorly water soluble drugs after oral administration their inadequate ability to be wetted by and dissolved into the fluid in the gastrointestinal (GI) tract. Therefore, increasing the dissolution rate of poorly water soluble drugs is an important and significant challenge to pharmaceutical scientists in order to maximize absorption. Aceclofenac is a nonsteroidal anti-inflamatory drug (NSAID), used for rheumatoid arthritis, osteoarthritis and other joint pains. The oral bioavailability of aceclofenac was found to be very poor likely due to the very poor dissolution in aqueous fluids especially in acidic medium. The study utilized the solvent evaporation method for preparation of stable amorphous solid dispersions of Aceclofenac by adsorbing it on porous (carrier (Florite.

کلمات کلیدی:

Solid dispersion technique, Fast dissolving tablets, Aceclofenac