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Formulation and Evaluation of Extended-Release Tablets of Etodolac



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ABSTRACT

The most widely recognized course is the oral medication release strategy. Physical characteristics of drugs, polymers, and excipients were described, including the angle of repose, density, compressibility index, Hausner's ratio, etc. Different etodolac particle sizes were used in the formulation of the etodolac tablets in the current investigation. The range of formulations' mean particle sizes (effective diameters) was 46.90.358 nm to 1043.3510.2 nm. Because Etodolac is a lipophilic molecule, its low aqueous solubility was constant over the physiological pH range. A friabilator was filled with a pre-weighed sample of tablets, and it was rotated 100 times. The range of hardness was 4.9% to 5.7%. Friability was between 0.1 and 0.5. The examined parameters before and after the formulations had been aged in storage did not significantly differ from one another; all were found to be within acceptable limits. To develop an extended-release formulation for the selected etodolac drug using polymers such as pharmaceutical for Tablet formulations. This project would be useful for bringing relief to a large population suffering from inflammation and its uses for different causes.



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