

ABSTRACT

The objective of the present study is to study the effect of hydro alcoholic (70%) extract of Fruit of Terminalia chebula on gastric ulcers by using different experimental models such as aspirin induced ulcer, ethanol induced ulcers, cold restrain stress induced ulcers and pylorus ligation induced ulcers. In all these models the common parameter determined was ulcer index. The treatment with hydro alcoholic extract of Terminalia chebula at (500 mg/kg) significantly inhibited the gastric lesions induced by Aspirin induced gastric ulcer (85%), Ethanol induced gastric ulcer (72%), Cold restraint ulcer(79%), and Pylorus ligation induced ulcer (76%).The extracts (200 mg/kg and 500 mg/kg b.w.) showed a significant effect on ulcer by different ulcer induced models. These results may further suggest that hydro alcoholic extract was found to possess antiulcerogenic as well as ulcer healing properties, which might also be due to its antisecretory activity.

Key words: Terminalia chebula; Gastric ulcer; Pylorus ligation; ethanol, Aspirin.