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(57) Abstract :

The present invention relates to the development of a herbal antidiarrheal formulation derived from the ethanolic extract of Streblus asper leaves. Utilizing a Soxhlet extraction method with 95% ethanol, the invention yields a potent semi-solid extract exhibiting significant antidiarrheal activity. Evaluated through a castor oil-induced diarrhea model in Swiss albino rats, the extract showed dose-dependent efficacy, with higher doses (400 mg/kg) demonstrating up to 55.29% inhibition of defecation and 53.41% reduction in diarrheal feces—comparable to the standard drug loperamide. This invention offers a natural, cost-effective, and scientifically validated alternative for managing diarrhea, with potential applications in herbal and pharmaceutical medicine.

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