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(57) Abstract :

The Present invention relates to a novel method for preparing an anti-ulcer herbal composition from Trigonella foenum-graecum (fenugreek) seeds. The process involves extracting bioactive compounds from the seeds using an aqueous solvent in a Soxhlet apparatus and formulating the crude extract into a stable herbal suspension. The suspension is prepared with excipients such as Tween-80, sodium carboxymethyl cellulose, orange oil, and sodium benzoate to enhance dispersion, stability, and palatability. In-vitro evaluations demonstrate significant anti-ulcer activity through Acid Neutralizing Capacity (ANC) and H⁺/K⁺ ATPase inhibition. The formulation shows promising results in neutralizing gastric acid and inhibiting key enzymes involved in ulcer formation, offering a natural alternative to conventional synthetic treatments. This invention provides a safe, effective, and cost-efficient solution for managing gastric ulcers, with potential for further development and optimization in gastrointestinal therapies.

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