



## ANTI-ULCER ACTIVITY OF *CURCUMA NEILGHERRENSIS* WT. RHIZOME EXTRACTS

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### ABSTRACT—

The gastrointestinal ulcer pathogenicity was one among the normal wellbeing issue of present day way of life and sustenance propensities. A scan for conventional cures prompts dissect the counter ulcer action of wild *Curcuma* species which is utilized as flavor fixing in the sustenance things by the nearby clans and natural healers of Tirumala and Talakona Hill areas.



**KEYWORDS:** *Gastro intestinal ulcers, phenolics, flavonoids, anthocyanidins, saponins, alkaloids, tannins, pyloric ligated, ulcer assurance.*

### INTRODUCTION:

#### Concentrate arrangement:

Rhizome powder was exposed to soxhlet extraction with Methanol. At the same time watery concentrate additionally arranged. The above acquired semisolid

concentrates were safeguarded in hermetically sealed containers at 4oC in an icebox until further utilize.

### Volume of gastric juice:

After dismemberment, stomach was put on a watch glass, and cut along the more noteworthy ebb and flow with the assistance of a syringe, gastric discharge was gathered into graduated small scale axis tubes.

### RESULTS:

#### Intense poisonous quality testing:

Intense poisonous quality examinations with fluid and methanol concentrates of rhizome does not indicated lethality and mortality and furthermore there is no signs and side effects, for example, changes in body weight and nourishment consumption, psychomotor exercises, anxiety, respiratory trouble, looseness of the bowels, seizures and unconsciousness. What's more, it was discovered safe up to the portion of 5000 mg/kg body weight

#### Discourse:

Job of mucin associated with mucosal insurance and in the combination of prostaglandins and bodily fluid. Proteolytic action of pepsin is known as the essential assailant in gastric mucosal ulceration (Domschke et al., 1978). Ibuprofen (NSAID) causes mucosal harm expanding corrosive discharge by the concealment of prostaglandin blend results in expanded powerlessness prompts mucosal damage and gastroduodenal

ulceration further builds ulcer list, pepsin movement, free and aggregate causticity and volume of gastric juice. And furthermore diminished bodily fluid generation because of pyloric ligation and destructed absorption came about the gathering of gastric juice in charge of enlistment of ulceration (Prakash Ptil et al., 2011; Vivek Sharma et al., 2011). Flavonoids, tannins and saponins have been accounted for in a few antiulcer, gastroprotective specialists, cytoprotective dynamic materials for which against ulcerogenic viability has been widely affirmed. Tannins may avoid ulcer advancement because of their protein precipitation and vasoconstriction impacts and there by shaping an impervious miniaturized scale protein layer that prevents gut discharges and shield the basic mucosa from poisons and different aggravations. Alkaloids counteracts ulcers incited by pressure (Suresh Arumugan et al., 2011).

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