Title:	A process for the preparation of antiulcer powder from swallow root (Decalepis hamiltonii)
Abstract	Polysaccharide fraction of swallow root (Decalepis
:	hamiltonii) -SRPP were examined for potențial ulcer
	preventive effect by determining its ability to inhibit parietal
	cell H+,K+-ATPase which is a key enzyme in enhancing H+
	levels in the lumen of the stomach causing acidity leading
	to gastritis and ulcer. Pectic polysaccharide offered
	inhibition to H+,K+-ATPase enzyme activity at an IC50 of 77
	μg / mL as apposed to that of 19.3 ^g / mL of
	Lansoprazole a known antiulcer drug. Further pectic
	polysaccharide was examined for its ability to protect
	experimental animals against swim / ethanol stress
	induced ulcers. Data revealed that the stomach was
	protected up to 88 % against ulcers as measured by ulcer
	index. Further 2.5 fold decrease in mucin level and 2.1 fold
	upregulated levels of hT,K+-ATPase enzyme in ulcerous
	animals were normalized in a concentration dependent
	manner upon ingestion of ~ 100 and 200 mg kg"1 b.w.
	Antiulcer potențial of SRPP was substantiated by
	elucidating the mechanism of action of SRPP. SRPP
	protected damaged mucin layer around parietal cells as
	evidenced by histological as well as dye binding methods.
	Upregulation of mucin content to 2.5 fold was confirmed by

]	monoclonal antibody based enzyme linked immunosorbent
	assay _>(ELISA). Further 2 - 3.2 fold depleted levels of
6	antioxidant - GSH and antioxidant
	enzymes - catalase, SOD and Glutathione peroxidase etc.
	were also normalized upon
(câreatment with SRPP in vivo. In addition SRPP exhibited
ä	antioxidant activity with a free
	&
9	Qadical scavenging ability at an IC 50 ~ 40 ng/mL and
	expressing reducing power ability
	(3240 units/g). Data thus suggested that oral ingestion of
\$	SRPP could prevent ulcer
	effectively.