

In vitro H⁺ -K⁺ ATPase inhibitory potential of methanolic extract of *Cissus quadrangularis* Linn.

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ABSTRACT

Objective This study was undertaken to study in vitro H⁺-K⁺ ATPase inhibitory potential of methanolic extract of *Cissus quadrangularis* Linn. **Materials and Methods** Total phenolic and flavonoid contents from extract was quantified and H⁺-K⁺ ATPase inhibition assay was performed in presence of different concentrations of standard (omeprazole) and methanol extract. **Results** Extract showed significant (*P < 0.05) proton pump inhibitory activity in the goat gastric mucosal homogenate which was comparable to standard. **Conclusions** These findings showed that methanolic extract of *C. quadrangularis* Linn. is potent inhibitor of proton pump.

KEYWORDS

Cissus quadrangularis Linn . H⁺-K⁺ ATPase inhibition assay . in vitro

REFERENCES

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