



Isolation and Identification of Bio Active Photochemical Compounds from *Ventilago denticulata* Stem using GC-MS

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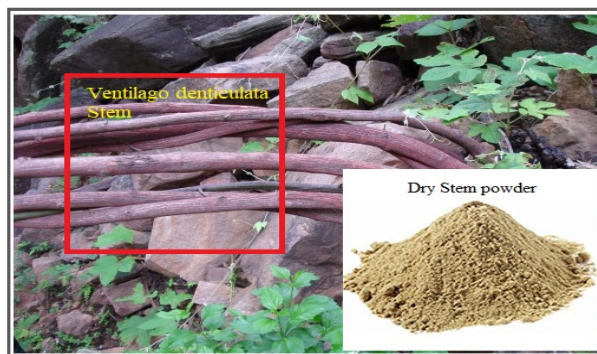
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ABSTRACT

The present study explore the primary phytochemical study using gas chromatography-mass spectroscopy (GC-MS) and *in vitro* antimicrobial study (against gram positive bacteria and gram negative bacteria) was performed on n-hexane(50%)+Benzene (25%)+25% ethanol stem extract of *Ventilago denticulata*. Preliminary phytochemical screening revealed that plant contains 17bio active compounds with different concentrations. Qualitative analysis of the plant parts the presence of various components of therapeutic importance including tannins, saponins, phenolic compounds, glycosides, flavonoids etc., The present study provides information about the availability of some bio active phytoconstituents, which can be useful to provide dietary elements and it may also help in developing new drug formulations. There was a need to evaluate the extracts of the plant in order to provide scientific proof for its application and to explore the possibility of treating various diseases and disorders. Literature review indicates that very less work has been done on this plant and there is a wide scope for investigation.

Graphical Abstract



Ventilago denticulata stem [Family: Rhamnaceae]

Keywords: Isolation, Bio active photochemicals, *Ventilago denticulata*, Stem extract GC-MS.