



Isolation and Characterization of Phytoconstituents obtained from Chloroform Extract *Boswellia serrata* Roxb. Leaves

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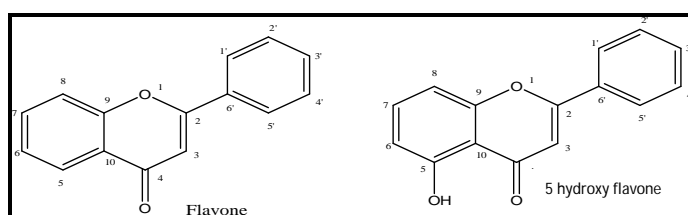
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ABSTRACT

Plant metabolites like phytosterols, flavonoids, triterpenoides and alkaloids are very important for many pharmacological activities. Aim of the present study was to identify and characterize the plant metabolites present in *Boswellia serrata* Roxb leaves. For the isolation of the compounds from the leaves of *Boswellia serrata* Roxb, powder of dried leaves of the plant was subjected to cold maceration with chloroform as solvent and for column chromatography. Two compounds, compound-1 and compound-2 were identified. These compounds were found to be flavone and 5-hydroxy flavone respectively. These compounds were identified by their chemical tests, RF values, elemental analysis, melting point, IR, ¹HNMR, ¹³CNMR, UV and mass spectroscopy.

Graphical Abstract



Structures of Flavone and 5-hydroxy flavone.

Keywords: *Boswellia serrata* Roxb. plant metabolites, Flavone, Cold maceration.