

## Phytochemical screening of a young stem of *Tinosporacordifolia*

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### Abstract

*The main aim of the present study was to do the physico-chemical and phytochemical analysis of a young stem of Tinosporacordifolia collected from the north eastern region of India. Tinosporacordifolia belonging to the family of Menispermaceae, is an important herb of tropical India in Ayurvedic system of medicines. T. cordifolia is used for the treatment of general weakness, fever, dyspepsia, dysentery, gonorrhoea, urinary diseases, viral hepatitis and anaemia. The physico-chemical parameters were determined as per guidelines laid by World Health Organization (WHO). These parameters helped in testing the purity of the crude drug. A preliminary phytochemical screening was performed for determination of the phytoconstituents using standard procedure. The extraction of the phytochemicals was done in a Soxhlet apparatus using solvents of varying polarity. Phytochemical screening revealed the presence of phenols, flavonoids, alkaloids, terpenoids and fibre in the young stem of T. cordifolia. The different pharmacological actions of the plant can thus be attributed to the presence of array of secondary metabolites in it.*

**Keywords:** Phytochemical analysis, Polarity, *Tinosporacordifolia*.

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