

Screening of Antioxidant Property and Phytochemical Constituents of Ethereal Extract of *Vitexnigundo* Linn Leaves

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Abstract: *Vitexnigundo* belongs to the family Verbenaceae. Literature survey of the plant reveal that the *vitexnigundo* possess antimicrobial, anti-inflammatory, analgesic, antibacterial, antifungal, anti-insects activities. In the present study the phytochemical compounds present in the ether extract of *vitexnigundo* leaves extract analyzed and the free radical scavenging capacity of the extract. The experimental data showed that the ether extract of *vitexnigundo* contain alkaloids, carbohydrate, glycosides, amino acids, proteins, tannins and phenolic compounds. The free radical scavenging capacity of the sample was measured by DPPH (2, 2-diphenyl-1-picrylhydrazyl) method. The IC₅₀ value of the ascorbic acid which is used as the standard is 14.97 while for sample is 46.84. the ether extract of *vitexnigundo* leaves shows good antioxidant property.

Keywords: Nirgudi, phytochemical, antioxidant, Ether extract.

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