

Phytochemical Evaluation and in Vitro Anti Cancer Study of Cupressus Semperviren Linn. Leaves Extracts

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Abstract: Herbal have a long traditional history or use of conventional medicine. It is becoming more main stream as improvements in analysis and quality control along with advances in clinical research show the value of herbal medicine in the treating and preventing disease. The Cupressus Semperviren Linn. Garden plant belong to family cupressaceae. The plant contain different chemical constituents like such as Glycosides, Essential oil, Phenols, Flavonoids etc. The main aim of the study was to extract the plant material by using pet ether as a solvent by soxhlet extraction method. From the phytochemical analysis the plant was showed chemical constituents. The phytochemical constituent was isolation and separation by using thin layer chromatography and column chromatography. each chemical constituent were identified by using physical and chemical test. Isolated chemical constituent were subjected to further study that is it Spectral analysis like IR, NMR, And Mass spectroscopy the pet ether extract of plant was used for Pharmacological study such as Anticancer activity. Show anticancer activity of plant was done by using MTT Assay and trypan blue test.

Keywords: Cupressus Semperviren Linn, Anti cancer activity

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