

Antiproliferative activity and gc-ms analysis of Chloroform extract of an *asteraceae* specie.

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The aim of this study was to examine the composition of chloroform extract using GC-MS, as well as the evaluation of its antiproliferative activity. The GC-MS analysis of a chloroform extract revealed the presence of a high percentage of alkanes, in addition to esters, alcohols and ethers. In addition to, the antiproliferative activity of the CHCl₃ extract (IC₅₀: 5.182± 0.051µg/mL) was determined to be higher than 5-FU against HeLa cells at 100-50 µg/mL concentrations. The antiproliferative activity of the chloroform extract of a species belonging to the Asteraceae family can be attributed to the presence of various phytocostituents.

Key-words: Asteraceae, GC-MS analysis, chemical composition, antiproliferative activity.