

Abstract

Anti-carcinogenic Activities of Different Extracts of *Arum rupicola* Boiss. var. *rupicola* from Turkey [†]

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Abstract: The *Arum* L. in the Araceae family belongs to flowering plants. It is represented by 14 species and four varieties. In total, there are 18 taxa in Turkey. *Arum rupicola* Boiss. var. *rupicola* is one of taxa among them. Traditionally, boiled and dried leaves are used as food supplement in folk medicine in Turkey. In our previous study, the results showed that different extracts of tubers have varying levels of anticholinesterase activity. In this study, anti-carcinogenic activities were evaluated of the hexane, ethyl acetate, 70% methanol and distilled water extracts of *A. rupicola* var. *rupicola* on SK-HEP-1 adenocarcinoma cell line. MTT and wound healing assays were used to assess cytotoxicity and 2D cell motility, respectively. Results showed that distilled water extract has the maximum potency and consistent cytotoxic and anti-motility effects on SK-HEP-1 cells.

Keywords: *Arum rupicola* var. *rupicola*; Araceae; cytotoxicity



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