

Study of Cytotoxicity Activity Of *Ferula assa-foetida* Methanolic Extract Against Hela Cell Line

Mahdavi¹ S. V., Nemat¹ F., Dehpour Jouibari¹ A. A., Bayat H²., Mirzanejad¹ S*.

1- Department of biology, Qaemshahr branch, Islamic Azad University, Qaemshahr, Iran.

2- Medical diagnosis laboratory Qaemshahr

smirzanejad@ymail.com

Abstract

Many species of medicinal plants are used in the treatment of illness. In this study it was evaluated the anticancer activity of methanolic extract of *Ferula assa-foetida*. This plant is grass and perennial. The effect of cytotoxicity of extract concentrations (10, 7.5, 5, 2.5, 1, 0.5, 0.25, 0.125, 0.0625, 0.0313mg.ml⁻¹) on Hela Cell Line by MTT test after 72 hour was assaied. This plant methanolic extract was not to be significant difference on the proliferation Hela cell line in RPMI 1640 medium. Concentration of 5 (mg.ml⁻¹) was caused proliferation of cell line. The Plants can be considered as the most valuable anticancer drug.

Key words: Cytotoxicity, Extract, *Ferula assa-foetia*, Hela Cell Line.