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Abstract :

Applications of phytochemistry in biomedical field attract the attention of scientific world. The bioactive agents, particularly of plant origin, become an alternative to existing synthetic cancer agents with good anti-cancer activity. In this work, in the MTT assay, the aqueous extract of dry grape fruit with a concentration 2.5 µg/ml was used on the breast cancer (MDA-MB-231) viable cells. The MDA-MB-231 cells contain wells in the 96 well culture plate were measured by noting the changes in absorbance at 540 nm using a multi-well plate reader. The result expressed at the percentage of viable cells with respect to the control. The cytotoxic assay exposed the potent anticancer activity of dry grape fruit aqueous extract against MDA-MB-231 cells. In this study, there was fall of viability to 89.5% of cancer cells (MDA-MB-231 cells) was recorded in response to the concentration of 2.5 µg/ml of the dry grape fruit extract.

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