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Anticancer Activity of *PedaliumMurex.L*(Flowers) Against Human Liver Cancer(Hepg2) Cell Line

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Abstract:Objective : To investigate the anticancer activity of the flower *of Pedalium murex. L* against human hepatoma cell line (HepG2).
Methods: In vitro anticancer activity was carried out to screen cytotoxicity potency of the solid obtained from ethyl acetate fraction of*Pedaliummurex.L*flower extract at different concentrations against HepG2 cell line. The MTT (methylthiazolyldiphenyl- tetrazolium bromide) assay for cell viability and markers is predictable to confirm the cytotoxicity.
Result: The solid obtained from ethyl acetate fraction from the flower extract of *Pedaliummurex.L*was tested for its anticancer activity against HepG2 cell lines (liver cancer) at various concentrations by MTT assay. It was confirmed that the IC_{50} value of this sample was 144 ± 5.3 µg/ml against Liver Cancer HepG2 cell line.
Conclusions:*Pedalium murex. L* is a potential plant with anticancer activity. The isolation of the pure compounds and determination of the bioactivity of individual compounds will be further performed.
Keywords: Pedalium murex. L; anti-cancer activity; MTT assay; HepG2; cytotoxicity.

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