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Studies on the anticarcinogenic effects of *Gloiopeltis tenax* fractions

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We carried out to investigate the growth inhibitory effects of *Gloiopeltis tenax*(GT) on the proliferation in human cancer cell lines in vitro.

GT was extracted with methanol which was further fractinated into four different types : methanol(GTMM), hexane(GTMH), butanol(GTMB) and aquous(GTMA). The experiment was conducted to determine cytotoxicity by MTT assay. Among various partition layers of GT, the GTMM showed the strongest cytotoxic effect at 150 μ g/mL which resulted 95.97% on HepG2 cell lines and 93.64% on HT-29 cell line.

We also observed quinone reductase(QR) induced effects in all fraction layers of GT. These result showed the GTMM on HepG2 cells of 60 μ g/mL were 2.46, compared to the control value of 1.0.