



Acacia senegal Possesses *in vitro* Cytotoxicity Against Human Cancer Cells

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ABSTRACT : *In vitro* assay for cytotoxic activity of *Acacia senegal* has been carried out against four human cancer cell lines from four different tissues *via* aqueous extract at the concentration of 10, 30 and 100 µg /ml using Sulphorhodamine blue (SRB) assay. Results revealed that fruit and seed part of the plant showed remarkable *in vitro* cytotoxic potential against three human cancer cells of cervical (SiHa), neuroblastoma (IMR-32) and lung (A-549) origin at the concentration of 30 and 100 µg/ml. Based on *in vitro* data, it is suggested that further *in vivo* studies as well as identification of effective components could be useful in designing new anti-cancer therapeutic agents from this particular plant.

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