

**Several plant extracts are estrogenic or anti-estrogenic in MCF-7 cell treated with Bisphenol A or alone.**

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Recently it has been suggested that the release of “endocrine disrupters (EDs)” into the environment has resulted in adverse health effects in humans and wildlife. And in another issue, cancer chemoprevention with strategies using foods and medicinal herbs is currently regarded as one of the noticeable most visible scientific fields for cancer control. To discover prominent chemopreventive agents and inhibit Bisphenol A (industrial chemical known as ‘endocrine disrupter’), we have screened 133 plant extracts from foods and oriental medicinal herbs in MCF-7 cell treated with Bisphenol A or alone. The results were shown that thirty-two of these natural products displayed inhibition of MCF-7 cells alone and seventeen of the thirty-two products inhibited growth of MCF-7 cell co-treated with Bisphenol A. Among all products, 101 products were not different from the growth untreated MCF-7 cells. This study suggests that some natural products may be preventive agents for human breast cancer and inhibit the activation of Bisphenol A.