

The potency of secondary metabolites from traditional medicine plants as anti cancer agent

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Abstract

The secondary metabolites from traditional medicine plants have played an important role in cancer treatment. Exploration of natural active compounds from medicinal plants for cancer treatment has attracted substantial attention worldwide. Several secondary metabolites that were isolated from the plants, such as vincristine, vinblastine, camptothecins, have been used have been used clinically for over 40 years. Numerous techniques have been developed to obtain compounds for drug discovery including isolation from plants, synthetic chemistry, screening bioassays. As part of efforts to discover phytochemicals as anticancer agent, our group were isolated several compounds mainly from Annonaceae and Melliaceae family that showed active against human leukemia HL-60 cells.

Keywords: traditional medicine plants, Annonaceae, Melliaceae, anti cancer agent