

Lesson Plan
Remedial Plants: Cancer
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Learning Objectives

Upon completion of this lesson, you should be familiar with:

- the link between diet and cancer and why some edible plants have protective effects against cancer
- some of the chemopreventive uses of plants in the form of foods and botanical supplements
- the main anti-cancer drugs (therapeutic agents) derived from plants; their historical use in traditional medicine; the types of cancer they are used to treat; and the basic concepts behind their mechanism of action

Reading Assignment

- Chapter 6 (Lewis and Elvin-Lewis, *Medical Botany: Plants Affecting Man's Health*) on Cancer
- "The shape of things to come: Structural and synthetic studies of taxol and related compounds" by D. Kingston, *Phytochemistry*
- "Poisoning the spindle: Serendipity and discovery of the anti-tumor properties of the vinca alkaloids" by J. Duffin, *CBMH*

Assessment

Take the Quiz (due 2/3)