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# Annona muricata

National Cancer Institute

## Source

National Cancer Institute. *Annona muricata*. NCI Thesaurus. Code C33900.

A common name for the tropical tree *Annona muricata* whose tissues contain annonaceous acetogenins, compounds with antineoplastic activity. Annonaceous acetogenins, derivatives of long-chain fatty acids, exhibit their anti-tumor properties by depleting cellular stores of adenosine 5'-triphosphate (ATP), a primary source of energy in cells. These agents also inhibit ATP-driven drug resistance mechanisms. Possessing a broad range of therapeutic activities, graviola has been used in different cultures for its pesticidal, antifungal,, antispasmodic, anticonvulsant, vasodilator, smooth-muscle relaxant, and hypotensive properties. (NCI04)