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# Paclitaxel

National Cancer Institute

## Source

National Cancer Institute. *Paclitaxel*. NCI Thesaurus. Code C1411.

A compound extracted from the Pacific yew tree *Taxus brevifolia* with antineoplastic activity. Paclitaxel binds to tubulin and inhibits the disassembly of microtubules, thereby resulting in the inhibition of cell division. This agent also induces apoptosis by binding to and blocking the function of the apoptosis inhibitor protein Bcl-2 (B-cell Leukemia 2). (NCI04)