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# Oral Ixabepilone

National Cancer Institute

## Source

National Cancer Institute. *Oral Ixabepilone*. NCI Thesaurus. Code C63478.

An enteric-coated formulation of ixabepilone, a semisynthetic analogue of epothilone B and a non-taxane tubulin inhibitor, with antineoplastic activity. Ixabepilone binds to and stabilizes tubulin molecules, thereby interfering with the dynamics of microtubule assembly/disassembly. This results in cell cycle arrest at the G2-M phase and leads to apoptosis within fast growing tumor cells. This agent demonstrates antineoplastic activity against taxane-resistant cell lines. Compared to intravenously administered ixabepilone, the oral formulation provides a more manageable way to administer this agent.