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Patupilone

National Cancer Institute

Source

National Cancer Institute. *Patupilone*. NCI Thesaurus. Code C1623.

A compound isolated from the myxobacterium *Sorangium cellulosum*. Similar to paclitaxel, patupilone induces microtubule polymerization and stabilizes microtubules against depolymerization conditions. In addition to promoting tubulin polymerization and stabilization of microtubules, this agent is cytotoxic for cells overexpressing P-glycoprotein, a characteristic that distinguishes it from the taxanes. Patupilone may cause complete cell-cycle arrest.