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Docetaxel Anhydrous

National Cancer Institute

Source

National Cancer Institute. *Docetaxel Anhydrous*. NCI Thesaurus. Code C61734.

The anhydrous form of docetaxel, a semisynthetic side-chain analogue of paclitaxel with antineoplastic property. Docetaxel binds specifically to the beta-tubulin subunit of microtubules and thereby antagonizes the disassembly of the microtubule proteins. This results in the persistence of aberrant microtubule structures and results in cell-cycle arrest and subsequent cell death.