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Docetaxel Formulation CKD-810

National Cancer Institute

Source

National Cancer Institute. *Docetaxel Formulation CKD-810*. NCI Thesaurus. Code C88322.

An injectable formulation containing the taxane docetaxel, a semisynthetic analogue of paclitaxel, with antineoplastic activity. Docetaxel binds specifically to the beta-tubulin subunit of the microtubule, stabilizing tubulin and inhibiting microtubule disassembly, which results in cell-cycle arrest at the G2/M phase and cell death. This agent also inhibits pro-angiogenic factors such as vascular endothelial growth factor (VEGF) and induces various mediators of the inflammatory response.