

[Open Peer Review on Qeios](#)

Nanoparticle-based Paclitaxel Suspension

National Cancer Institute

Source

National Cancer Institute. *Nanoparticle-based Paclitaxel Suspension*. NCI Thesaurus. Code C118648.

A nanoparticle-based suspension containing the water-insoluble taxane paclitaxel, with potential antineoplastic activity. Upon intraperitoneal administration, paclitaxel binds to tubulin and inhibits the disassembly of microtubules, which leads to the inhibition of cell division. The nanoparticle-based formulation is devoid of toxic solvents, such as cremophor; therefore, this agent has fewer side effects than the standard, solvent-based paclitaxel formulation.