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Paclitaxel-Loaded Polymeric Micelle

National Cancer Institute

Source

National Cancer Institute. *Paclitaxel-Loaded Polymeric Micelle*. NCI Thesaurus. Code C48415.

A biodegradable poly(ethylene glycol)-poly(D,L-lactide) copolymer micelle nanoparticle-entrapped formulation of paclitaxel with antineoplastic activity. Paclitaxel promotes microtubule assembly and prevents depolymerization, thus interfering with normal mitosis. The copolymer residue increases the water-solubility of paclitaxel and allows delivery of higher doses than those achievable with paclitaxel alone.