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# Verubulin

National Cancer Institute

## Source

National Cancer Institute. *Verubulin*. NCI Thesaurus. Code C96747.

A quinazoline derivative with potential antineoplastic activities. Verubulin binds to and inhibits tubulin polymerization and interrupts microtubule formation, resulting in disruption of mitotic spindle assembly, cell cycle arrest in the G2/M phase, and cell death. This agent is not a substrate for several subtypes of multidrug resistance ABC transporters, and may be useful for treating multidrug resistant tumors. In addition, as a vascular disrupting agent, verubulin disrupts tumor microvasculature specifically, which may result in acute ischemia and massive tumor cell death. In addition, verubulin is able to cross the blood-brain barrier and accumulate in the brain.