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Vinzolidine

National Cancer Institute

Source

National Cancer Institute. *Vinzolidine*. NCI Thesaurus. Code C1276.

An orally active semisynthetic vinca alkaloid with potential antineoplastic activity. Like other vinca alkaloid compounds, vinzolidine binds to and stabilizes tubulin molecules, thereby interfering with microtubule assembly/disassembly dynamics. As a result, vinzolidine prevents mitotic spindle formation and leads to cell cycle arrest in metaphase.