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Crolibulin

National Cancer Institute

Source

National Cancer Institute. *Crolibulin*. NCI Thesaurus. Code C66938.

A small molecule tubulin polymerization inhibitor with potential antineoplastic activity. Microtubulin inhibitor EPC2407 binds to the colchicine-binding site on beta-tubulin and inhibits the polymerization of tubulin into microtubules, which may result in cell cycle arrest, the induction of apoptosis, and the inhibition of tumor cell proliferation. As a vascular disruption agent (VDA), this agent also disrupts tumor neovascularization, which may result in a reduction in tumor blood flow and tumor hypoxia and ischemic necrosis.