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Omacetaxine Mepesuccinate

National Cancer Institute

Source

National Cancer Institute. *Omacetaxine Mepesuccinate*. NCI Thesaurus. Code C1127.

A semisynthetic formulation of the cytotoxic plant alkaloid homoharringtonine isolated from the evergreen tree *Cephalotaxus* with potential antineoplastic activity. Omacetaxine mepesuccinate binds to the 80S ribosome in eukaryotic cells and inhibits protein synthesis by interfering with chain elongation. This agent also induces differentiation and apoptosis in some cancer cell types.