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Dolastatin 10

National Cancer Institute

Source

National Cancer Institute. *Dolastatin 10*. NCI Thesaurus. Code C1300.

A pentapeptide originally isolated from the marine mollusk *Dolabella auricularia* with potential antineoplastic activity. Binding to tubulin, Dolastatin 10 inhibits microtubule assembly, resulting in the formation of tubulin aggregates and inhibition of mitosis. This agent also induces tumor cell apoptosis through a mechanism involving bcl-2, an oncoprotein that is overexpressed in some cancers. (NCI04)