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Dolastatin 15

National Cancer Institute

Source

National Cancer Institute. *Dolastatin 15*. NCI Thesaurus. Code C1439.

A depsipeptide originally isolated from the marine mollusk *Dolabella auricularia* with potential antineoplastic activity. Less potent than the structurally-related compound dolastatin 10, dolastatin 15 binds weakly to tubulin and blocks microtubule assembly, thereby inhibiting mitosis. Dolastatin 15 also induces tumor cell apoptosis through a mechanism involving bcl-2, an oncoprotein that is overexpressed in some cancers. (NCI04)