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Tasidotin

National Cancer Institute

Source

National Cancer Institute. *Tasidotin*. NCI Thesaurus. Code C77067.

A third generation, synthetic, water-soluble, pentapeptide analog of the marine depsipeptide dolastatin 15, with potential antimitotic and antineoplastic activities. Tasidotin and its metabolite, tasidotin C-carboxylate, suppress the dynamic instability behavior of the microtubules through a reduction of the shortening rate (disassembly); reduction of the switching frequency from growth to shortening; and by reducing microtubules growth time. This may eventually result in a reduction of cell growth.