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# Cryptophycin

National Cancer Institute

## Source

National Cancer Institute. *Cryptophycin*. NCI Thesaurus. Code C1546.

The cryptophycins are a family of 16-membered macrolide antimitotic agents isolated from the cyanobacteria *Nostoc* sp. The mechanism of anticancer activity of the cryptophycins has been associated with their destabilization of microtubules and induction of bcl-2 phosphorylation leading to apoptosis. Cryptophycins demonstrated activity against the wide spectrum of solid tumors including those that overexpress the multidrug resistance efflux pump P-glycoprotein. (NCI)