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Hemiasterlin Analog E7974

National Cancer Institute

Source

National Cancer Institute. *Hemiasterlin Analog E7974*. NCI Thesaurus. Code C49083.

An analog of the sponge-derived anti-microtubule tripeptide hemiasterlin with antimitotic and potential antineoplastic activities. Hemiasterlin analog E7974 binds to the Vinca domain on tubulin, resulting in inhibition of tubulin polymerization and microtubule assembly; depolymerization of existing microtubules; inhibition of mitosis; and inhibition of cellular proliferation. This agent may have more affinity for the beta-3 tubulin isotype.