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# Thymidylate Synthase Inhibitor

National Cancer Institute

## Source

National Cancer Institute. *Thymidylate Synthase Inhibitor*. NCI Thesaurus. Code C2021.

Any substance that inhibits thymidylate synthase, an enzyme that catalyzes the conversion of uridine monophosphate to thymidine monophosphate, the rate-limiting step in de novo production of dTMP. Inhibition of thymidylate synthase causes inhibition of DNA synthesis and cell proliferation.