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Pemetrexed

National Cancer Institute

Source

National Cancer Institute. <u>Pemetrexed</u>. NCI Thesaurus. Code C61614.

A synthetic pyrimidine-based antifolate. Pemetrexed binds to and inhibits the enzyme thymidylate synthase (TS), which catalyses the methylation of 2'-deoxyuridine-5'-monophosphate (dUMP) to 2'-deoxythymidine-5'-monophosphate (dTMP), an essential precursor in DNA synthesis.

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