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Pemetrexed Disodium

National Cancer Institute

Source

National Cancer Institute. *Pemetrexed Disodium*. NCI Thesaurus. Code C1533.

The disodium salt of 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.