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Aminopterin

National Cancer Institute

Source

National Cancer Institute. *Aminopterin*. NCI Thesaurus. Code C235.

A synthetic derivative of pterins with antineoplastic and immunosuppressive properties. As a folate analogue, aminopterin competes for the folate binding site of the enzyme dihydrofolate reductase, thereby blocking tetrahydrofolate synthesis, and resulting in depletion of nucleotide precursors and inhibition of DNA, RNA and protein synthesis. (NCI04)