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Pyrazofurin

National Cancer Institute

Source

National Cancer Institute. *Pyrazofurin*. NCI Thesaurus. Code C1208.

A nucleoside analog. Pyrazofurin potently inhibits orotidine 5'-monophosphate (OMP) decarboxylase, thereby interfering with de novo synthesis of uridine nucleotides and resulting in cytotoxicity. This agent also causes a rapid depletion of the pyrimidine deoxynucleotide pool, thereby inhibiting DNA synthesis and cell replication. (NCI04)