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Pegylated Deoxycytidine Analogue DFP-14927

National Cancer Institute

Source

National Cancer Institute. *Pegylated Deoxycytidine Analogue DFP-14927*. NCI Thesaurus. Code C162508.

A pegylated formulation containing DFP-10917, an analogue of the nucleoside deoxycytidine, with potential antineoplastic activity. Upon administration, the pegylated deoxycytidine analogue DFP-14927 is incorporated into the DNA of rapidly proliferating cells, such as tumor cells, and directly inhibits the activity of DNA polymerase, which results in the inhibition of DNA replication and cell cycle arrest, DNA fragmentation, and tumor cell apoptosis.