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Lamivudine/Zidovudine

National Cancer Institute

Source

National Cancer Institute. *Lamivudine/Zidovudine*. NCI Thesaurus. Code C28939.

A combination of two synthetic nucleoside analogues with synergistic antiviral properties. Lamivudine is phosphorylated intracellularly to its active 5'-triphosphate metabolite, lamivudine triphosphate (L-TP); zidovudine is phosphorylated to its active 5'-triphosphate metabolite, zidovudine triphosphate (ZDV-TP). These active metabolites inhibit human immunodeficiency virus (HIV) viral reverse transcriptase (RT) by incorporating into viral DNA and terminating viral DNA chain elongation. (NCI04)