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Valopicitabine

National Cancer Institute

Source

National Cancer Institute. *Valopicitabine*. NCI Thesaurus. Code C66649.

The 3-O-valine ester prodrug of the nucleoside analog 2'-C-methylcytidine with anti-hepatitis C virus (HCV) activity. Upon administration, valopicitabine is converted into 2'-C-methylcytidine; upon phosphorylation into its 5-triphosphate form, this metabolite inhibits viral RNA chain elongation and viral RNA-dependent RNA polymerase activity. This blocks viral production of HCV RNA and thus viral replication.