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# Valopicitabine Dihydrochloride

National Cancer Institute

## Source

National Cancer Institute. *Valopicitabine Dihydrochloride*. NCI Thesaurus. Code C72874.

The dihydrochloride salt of valopicitabine, a 3-O-valine ester prodrug form 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.