



LKT Laboratories, Inc.

Lamivudine

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## Product Information

Product ID L0350  
CAS No. 134678-17-4

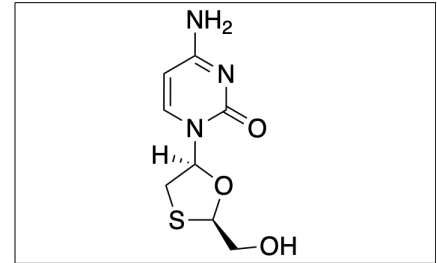
**Chemical Name**

Synonym Eпивir

Formula  $C_8H_{11}N_3O_3S$   
Formula Wt. 229.26  
Melting Point  
Purity  $\geq 98\%$   
Solubility

Store Temp Ambient  
Ship Temp Ambient

**Description** Lamivudine is an antiviral compound clinically used as a treatment for hepatitis B infection; it acts as a thymidine analog, inhibiting the reverse transcriptase enzyme. In two separate in vitro models, lamivudine decreased HIV production in recently infected resting cells and inhibited growth of HIV-infected cells at low concentrations. Additionally, lamivudine increases insulin resistance when given with zidovudine in clinical settings.



**Bulk quantities available upon request**

Product ID	Size
L0350	100 mg
L0350	1 g
L0350	5 g
L0350	25 g

**References** Blümer RM, van Vonderen MG, Sutinen J, et al. Zidovudine/lamivudine contributes to insulin resistance within 3 months of starting combination antiretroviral therapy. *AIDS*. 2008 Jan 11;22(2):227-36. PMID: 18097225.

Saavedra-Lozano J, McCoig CC, Cao Y, et al. Zidovudine, lamivudine, and abacavir have different effects on resting cells infected with human immunodeficiency virus in vitro. *Antimicrob Agents Chemother*. 2004 Aug;48(8):2825-30. PMID: 15273087

Balestrieri E, Forte G, Matteucci C, et al. Effect of lamivudine on transmission of human T-cell lymphotropic virus type 1 to adult peripheral blood mononuclear cells in vitro. *Antimicrob Agents Chemother*. 2002 Sep;46(9):3080-3. PMID: 12183277.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.