LKT Laboratories, Inc.

Lamivudine

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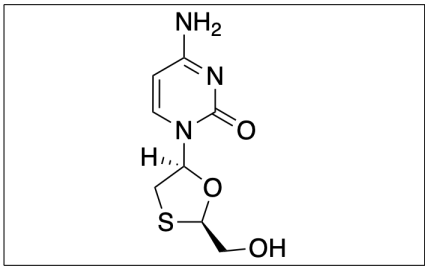
Product Information

Product ID L0350
CAS No. 134678-17-4
Chemical Name 4-amino-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl] pyrimidin-2-one
Synonym Epivir, Zeffix, Heptovir



Formula $C_8H_{11}N_3O_3S$
Formula Wt. 229.26
Melting Point
Purity ≥99%
Solubility

Store Temp Ambient
Ship Temp Ambient

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
L0350	100 mg	$61.40
L0350	1 g	$78.50
L0350	5 g	$168.40
L0350	25 g	$472.50

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.

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.