



LKT Laboratories, Inc.

Telbivudine

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID T1844

CAS No. 3424-98-4

Chemical Name

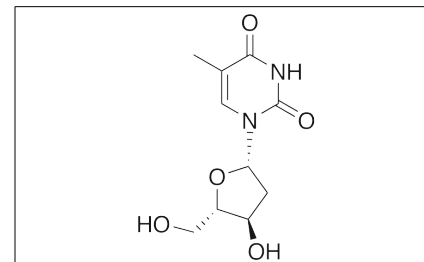
Synonym Epavudine, L-Thymidine, 1-(2-deoxy-B-L-ribofuranosyl)-5-methyluracil
B-L-2-deoxythymidine
B-L-thymidine (LdT)
1-((2S,4R,5S)-4-hydroxy-5-hydroxymethyltetrahydrofuran-2-yl)-5-methyl-1H-
Formula C₁₀H₁₄N₂O₅

Formula Wt. 242.23

Melting Point

Purity ≥98%

Solubility



Product ID Size

T1844 25 mg

T1844 100 mg

T1844 250 mg

T1844 1 g

Store Temp Ambient

Ship Temp Ambient

Description Telbivudine is an antiviral and immunomodulatory compound that is commonly used to treat chronic hepatitis B infections. Telbivudine is the L-isomer of thymidine and acts as a nucleoside analog. Clinically, telbivudine increases expression of CD127 on CD8+ memory T cells; this compound also decreases hepatitis B viral DNA and normalizes levels of alanine aminotransferase.

References Nan XP, Zhang Y, Yu HT, et al. Inhibition of viral replication downregulates CD4(+)CD25(high) regulatory T cells and programmed death-ligand 1 in chronic hepatitis B. *Viral Immunol.* 2012 Feb;25(1):21-8. PMID: 22233255.

Lv G, Ying L, Ma WJ, et al. Dynamic analysis of CD127 expression on memory CD8 T cells from patients with chronic hepatitis B during telbivudine treatment. *Virology.* 2010 Aug 31;7:207. PMID: 20807412.

Lai CL, Leung N, Teo EK, et al. A 1-year trial of telbivudine, lamivudine, and the combination in patients with hepatitis B e antigen-positive chronic hepatitis B. *Gastroenterology.* 2005 Aug;129(2):528-36. PMID: 16083710.

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