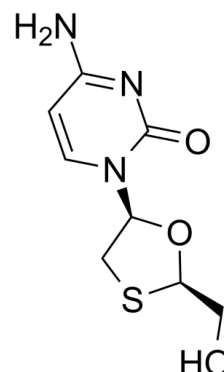


Data Sheet

Product Name:	Lamivudine
Cat. No.:	CS-2230
CAS No.:	134678-17-4
Molecular Formula:	C ₈ H ₁₁ N ₃ O ₃ S
Molecular Weight:	229.26
Target:	HIV; Reverse Transcriptase
Pathway:	Anti-infection
Solubility:	H ₂ O : ≥ 50 mg/mL (218.09 mM); DMSO : 50 mg/mL (218.09 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Lamivudine (BCH-189) is a **nucleoside reverse transcriptase inhibitors (NRTIs)**. Lamivudine (BCH-189) can inhibit **HIV reverse transcriptase 1/2** and also the reverse transcriptase of **hepatitis B virus**.

References:

- [1]. Li, Y.C., [A clinical study on lamivudine treatment for advanced schistosomiasis with chronic B hepatitis]. Zhongguo Xue Xi Chong Bing Fang Zhi Za Zhi, 2013. 25(5): p. 548-9, 551.
- [2]. Zhang, C.E., et al., [Effects of lamivudine on growth of intestinal characteristic bacteria by microcalorimetry in vitro]. Yao Xue Xue Bao, 2013. 48(10): p. 1590-4.

CAIndexNames:

2(1H)-Pyrimidinone, 4-amino-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-

SMILES:

O=C1N=C(N)C=CN1[C@@H]2CS[C@H](CO)O2

Caution: Product has not been fully validated for medical applications. For research use only.

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