

Product Name:	Lamivudine
Product Number:	L019
CAS Number:	134678-17-4
Molecular Formula:	$C_8H_{11}N_3O_3S$
Molecular Weight:	229.26
Water Content (Karl Fischer):	Not more than 0.2%
Absorbance:	(440nm): Not more than 0.0015
Melting Point:	175 - 179°C
Optical Rotation:	-135.0 - -145.0°
Storage Conditions:	≤30°C
Description:	Lamivudine (3TC) is a cytidine analog and antiretroviral medication commonly used to treat HIV and hepatitis B infections.
Mechanism of Action:	Lamivudine inhibits HIV reverse transcriptase and terminates DNA synthesis by competing for incorporation into viral DNA.
Spectrum:	Lamivudine targets retroviruses hepatitis B virus (HBV) and human immunodeficiency virus (HIV).
References:	Balzarini, Jan, Lieve Naesens, and Erik De Clercq. "New Antivirals — Mechanism of Action and Resistance Development." Current Opinion in Microbiology 1.5 (1998): 535-46. Web.