

CERTIFICATE OF ANALYSIS

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Warning 1:Not DeterminedWarning 2:Warning 3:3. Analytical InformationTests:Specifications:Results: -92.1° (c = 1.0, Water)AppearanceWhite to Off-White SolidWhite SolidNMRConforms to StructureConformsMSConforms to StructureConformsAdditional Information:TLC Conditions: SiO2; Dichloromethane : Methanol : Ammonium Hydroxide = 8 : 2 : 0.1; Visualized with UV and KMnO4; Single Spot, Rf = 0.50.urity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change or the values.		Cai	laua							
Number: L1/2500 Number: L3/2500 Number: L3/2500 Synonym: 4-Amino-1-[(2R,55)-2-(hydroxymethyl)-1,3- oxathiolan-5-yl)-2(1H)-pyrimidinone; (2R-ds)- 4-Amino-1-[2-(hydroxymethyl)-1,3- oxathiolan-5-yl)-2(1H)-pyrimidinone; (-)-2'- Deoxy-3'-thiacytidine; (-)-BCH 189, 3TC; Epivir H8Y: Heptice; Heptodin; Heptovir; L- SdC; Lamivir; Virolam; Zeffix; β-L-2; 3'- Dideoxy-3'-thiacytidine; β-L-3'-Thia-2, 3'- dideoxycytidine; Structure: Image: Comparison of the performation of the performation Number: Structure: Image: Comparison of the performation of the performation Number: Structure: Image: Comparison of the performation Comparison of the performation Structure: Image: Comparison of the performation Comparison of the performation Structure: Structure: Structure: Image: Comparison of the performation of	1. Identificati	ion								
Product: Lamivudine Structure: 4-Amino-1-[2-(1H)-pyrimidinone; (2R-cis): 4-Amino-1-[2-(hydroxymethyl)-1,3- oxathiolan-5-yl)-2(1H)-pyrimidinone; (-)-2- Deoxy-3'-thiacytidine; (-)-EDH 189; 3TC; Epivin HBY; Hepites; Heptodin; Heptovir; L- SddC; Lamivir; Virolam; Zeffix; (3-L-2',3- Dideoxy-3'-thiacytidine; (3-L-2',3-		L17250	00			134678-17-4				
Structure: Epivin HBV; Hepitec; Heptodin; Heptovir; L-SdC; Lamivir; Virolam; Zeffix; β-L-2; 3-Dideoxy-3'-thiacytidine; β-L-3'-Thia-2'; 3-dideoxy-3'-thi	Product:	Lamiyu	ıdine		Synonym:	oxathiolan-5-yl]-2(1H)-pyrimidinone; (2R-cis)- 4-Amino-1-[2-(hydroxymethyl)-1,3- oxathiolan-5-yl]-2(1H)-pyrimidinone; (-)-2'-				
$\label{eq:construction} \begin{split} \begin{array}{lllllllllllllllllllllllllllllllllll$		Lannve	unc.			Epivir HBV; Hepitec; Heptodin; Heptovir; L- SddC; Lamivir; Virolam; Zeffix; β-L-2',3'- Dideoxy-3'-thiacytidine; β-L-3'-Thia-2',3'-				
Image: Cell 11 N3 O3S HO Gell 11 N3 O3S Molecular weight: 229.26 Source of Product: N/A Solubility: Methanol (Slightly), Water (Sparingly, Sonicated) Purity: 98% Shipping This Product Is Stable To Be Condition: Shipping This Product Is Stable To Be Condition: Storage Condition: Storage Condition: Analytical Information Storage Condition: Tests: Specifications: Specific Rotation Report Result Appearance White to Off-White Solid NMR Conforms to Structure Conforms to Structure Conforms MS Conforms to Structure Additional Information: TLC Conditions: SiO2; Dichloromethane : Methanol : Armonium Hydroxide = 8 : 2 : 0.1; Visualized with UV and KMnO4; Single Spot, R ⁺ = 0.50. Turty is based on the analytical results of the tests performed. MR and Elemental Analysis (if available) may have an accuracy if a 2% of the storage on mass distribution observed. The contents of the specification are subject to change without advance notice, and the specification values displayed here are the most up to date value.	Structure:		_0							
$\begin{tabular}{ c c c } \hline HO & & & & & & & & & & & & & & & & & & $						Molecular Formula:				
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$			∫s—			C8H11N3O3S				
Source of Product:N/ASoublitty:N/ASoublitty:Methanol (Slightly), Water (Sparingly, Sonicated)Number:2-SEH-171-1Purity:98%ShippingThis Product Is Stable To Be Condition:ShippingThis Product Is Stable To Be Condition:ShippingThis Product Is Stable To Be Condition:Storage Condition:Storage Condition:2. Warning 1:Not DeterminedWarning 2:Warning 3:3. Analytical Information-92.1° (c = 1.0, Water)Tests:Specification:Specific RotationReport Result-92.1° (c = 1.0, Water)AppearanceWhite to Off-White SolidMRConforms to StructureMSConforms to StructureConformsMSConforms to StructureAdditional Information:TLC Conditions: SiO2; Dichloromethane : Methanol : Ammonium Hydroxide = 8 : 2 : 0.1; Visualized with UV and KMnO4; Single Spot, Rf = 0.50.Yurty is based on the analytical results of the tests performed. NR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.		HO	<u></u>			Molecular weight:				
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4. Signatures	of ± 2%. Isote	opic purit	ty is based on mas	s distribution ob	served. The	contents of the specifications are subject to change				
	4. Signatures									

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Eric Beaton	Toni Rantanen	My Nguyen	1/17/2020	1/15/2027
890	400-	ubmy		