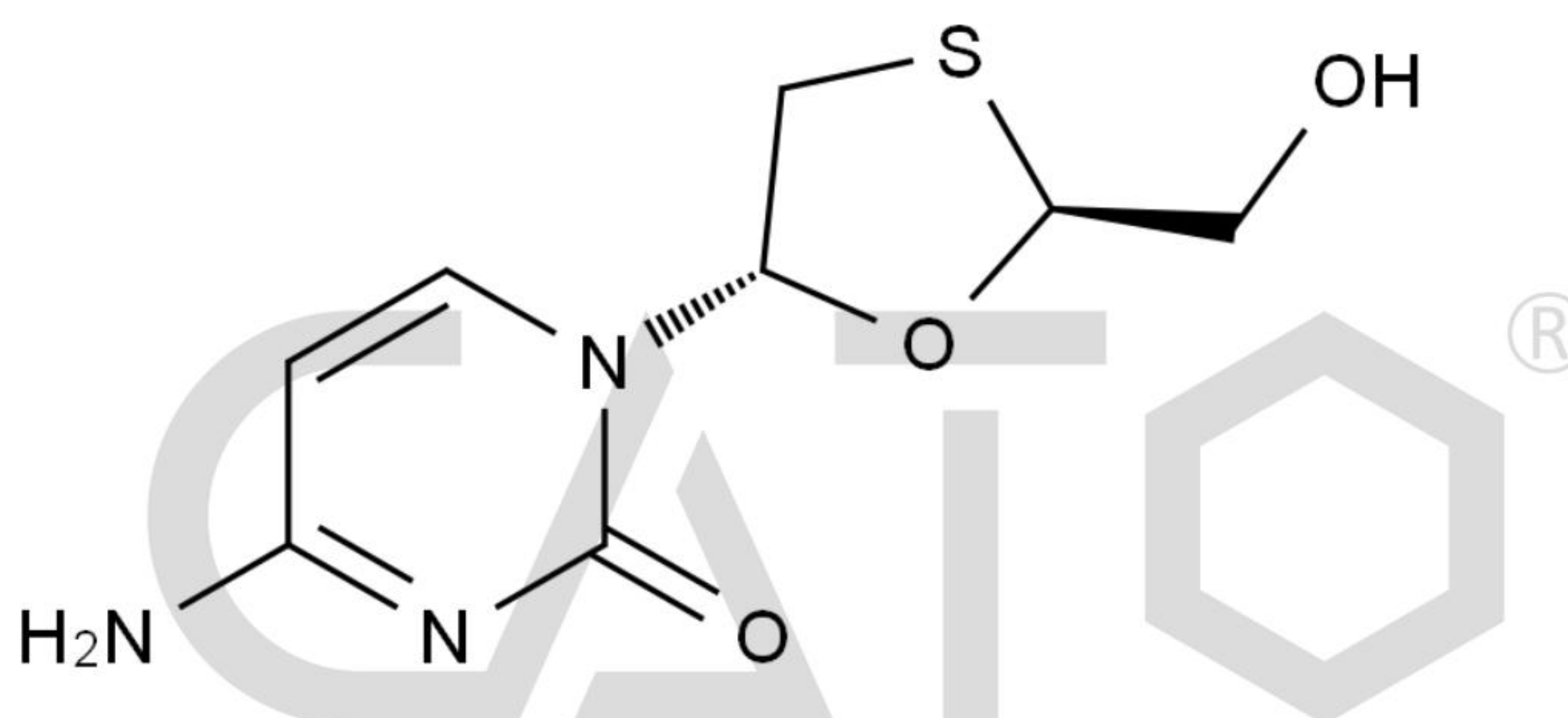


Certificate of Analysis

Reference Material & Standard

Product Name:	Lamivudine EP Impurity B ((2S,5S)-Isomer)	Catalogue Number:	C4X-119425
Synonyms:	N/A	Lot Number:	0204-RH-0065
CAS Number:	136846-20-3	Expiry Date:	Feb 11, 2030
Molecular Formula:	C ₈ H ₁₁ N ₃ O ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	229.26	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&1H-1H COSY&1H-1H- NOESY&HNMR	Confirmed
Purity	HPLC	99.496%
Residue on Ignition	TGA	0.4886%
Loss On Drying	TGA	0.4730%
Assay		98.5%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Residue on Ignition-Loss On Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Feb 12, 2026

Date: Feb 12, 2026

Date: Feb 12, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

