

Certificate of Analysis

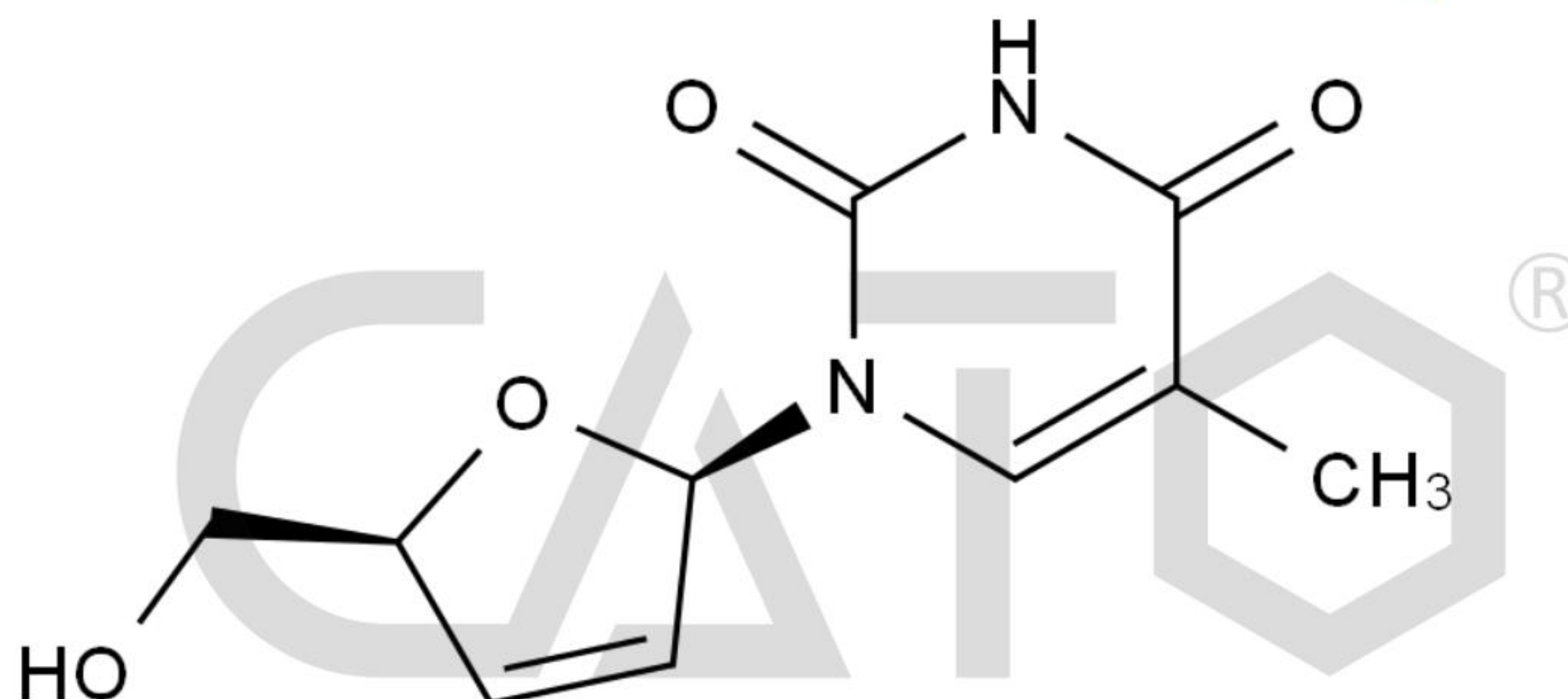
Reference Material & Standard

Product Name:	Stavudine(Zidovudine EP Impurity A)	Catalogue Number:	C4X-1755
Synonyms:	N/A	Lot Number:	0327-RE-0094
CAS Number:	3056-17-5	Expiry Date:	Feb 25, 2030
Molecular Formula:	C ₁₀ H ₁₂ N ₂ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	224.21	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.019%
Residue on Ignition	TGA	5.6223%
Loss On Drying	TGA	0.1325%
Assay		93.3%

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:

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Approved by General Manager:

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Date: Feb 26, 2026

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