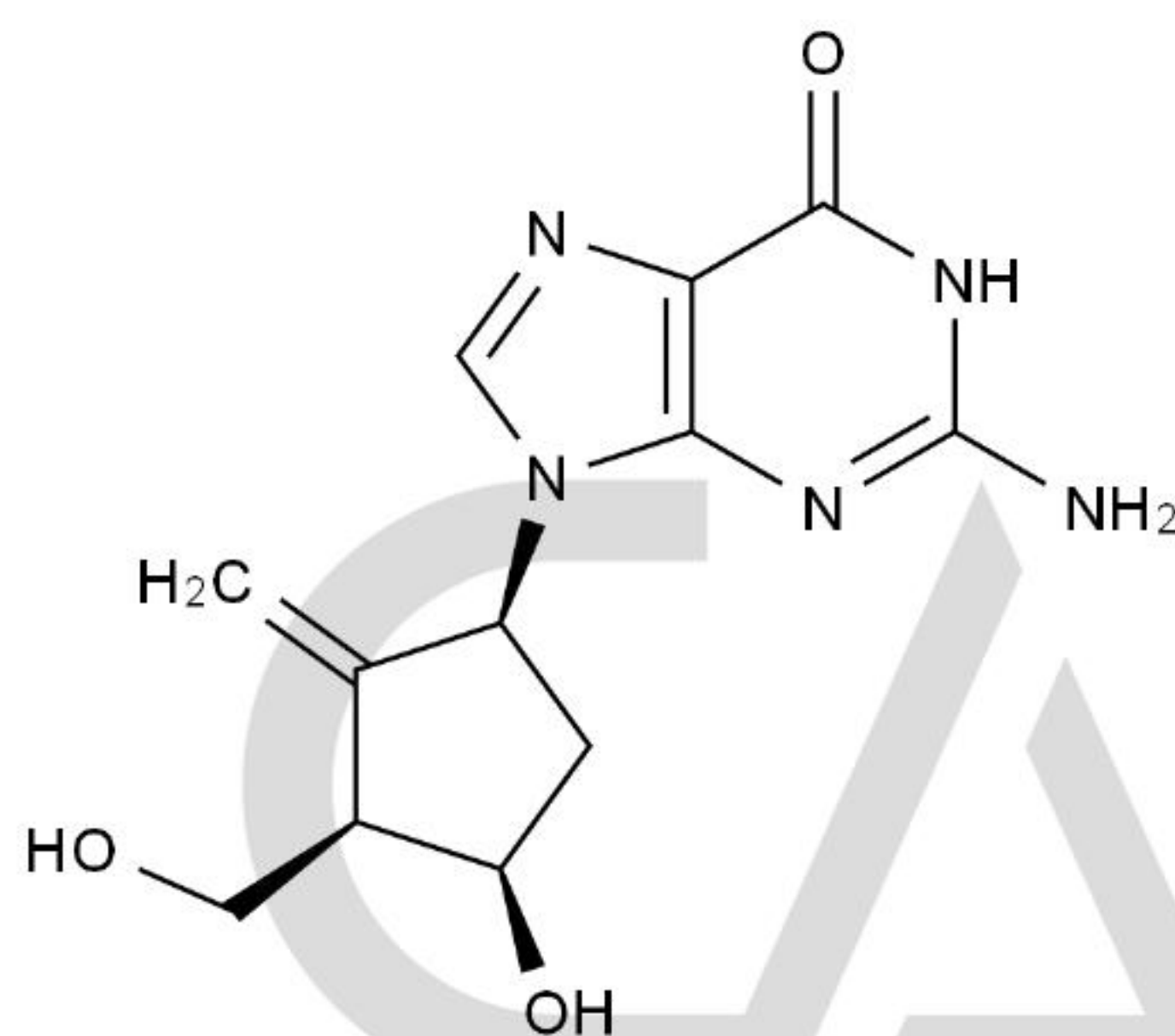


Certificate of Analysis

Reference Material & Standard

Product Name:	Entecavir EP Impurity D	Catalogue Number:	C4X-107711
Synonyms:	Entecavir 4-epimer	Lot Number:	0904-RG-0094
CAS Number:	1367369-80-9	Expiry Date:	Oct 15, 2029
Molecular Formula:	C ₁₂ H ₁₅ N ₅ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	277.28	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	98.570%
Loss On Drying	TGA	7.8912%
Assay		90.8%

Comment:

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

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

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Nov 18, 2025

Date: Nov 18, 2025

Date: Nov 18, 2025



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>

