

Certificate of Analysis

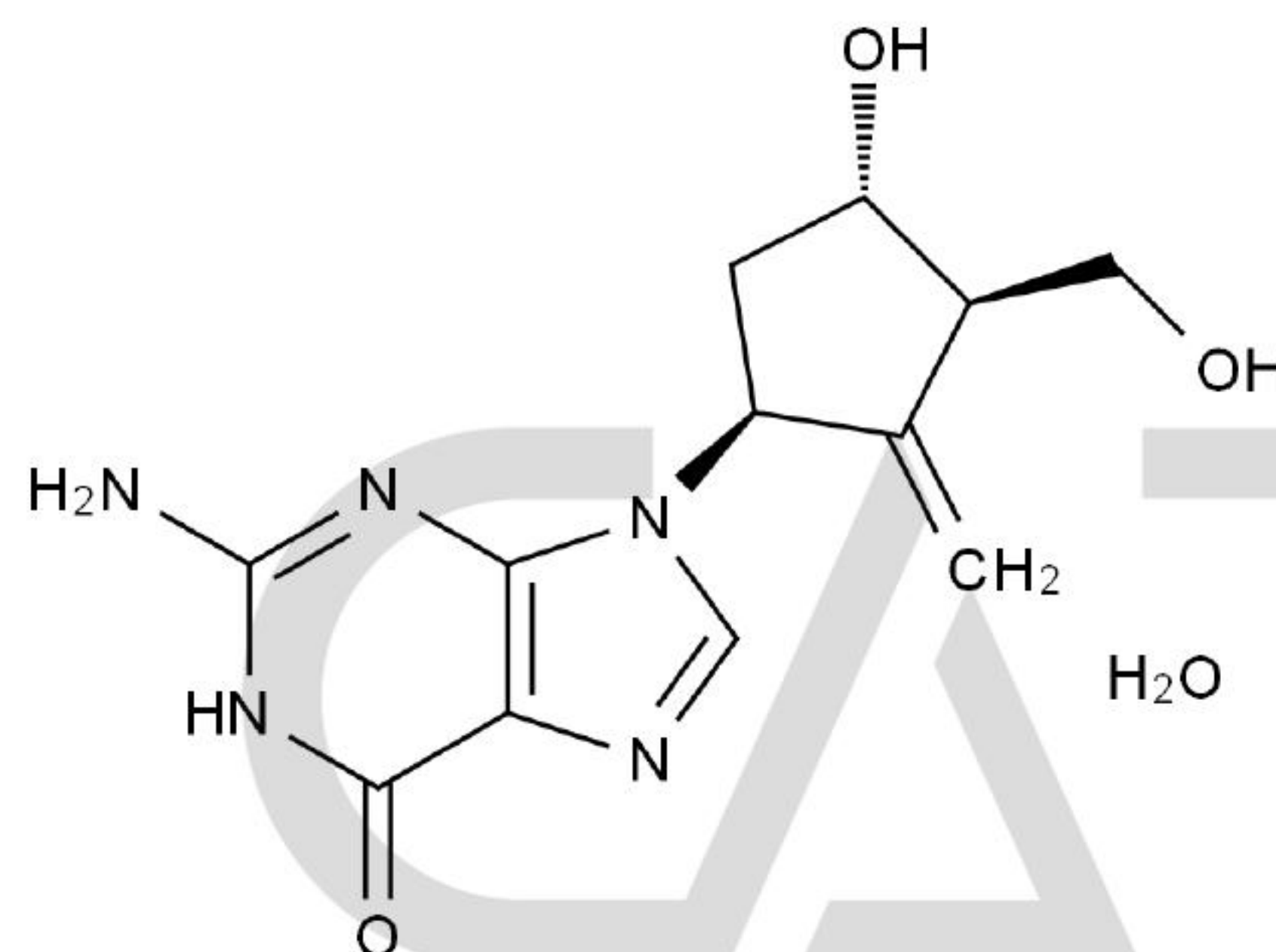
Reference Material & Standard

Product Name:	Entecavir Monohydrate	Catalogue Number:	C4X-1077
Synonyms:	N/A	Lot Number:	0730-RH-0013
CAS Number:	209216-23-9	Expiry Date:	Jul 30, 2030
Molecular Formula:	C ₁₂ H ₁₅ N ₅ O ₃ · H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	277.28 18.02	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.315%
Residue on Ignition	TGA	0.2872%
Loss on Drying	TGA	6.1835%
Loss on Drying(Free Water)		0.0812%
Assay		98.9%

Comment:

- The content of crystal water is 6.1023%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying(Free Water)}) \times \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying(Free Water) are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 31, 2026

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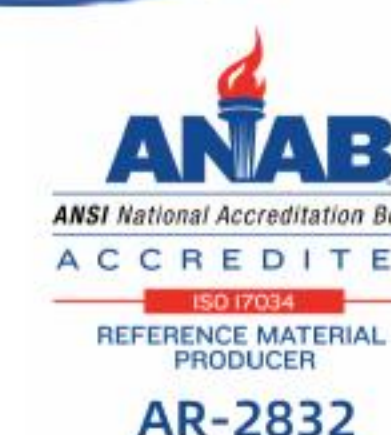
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