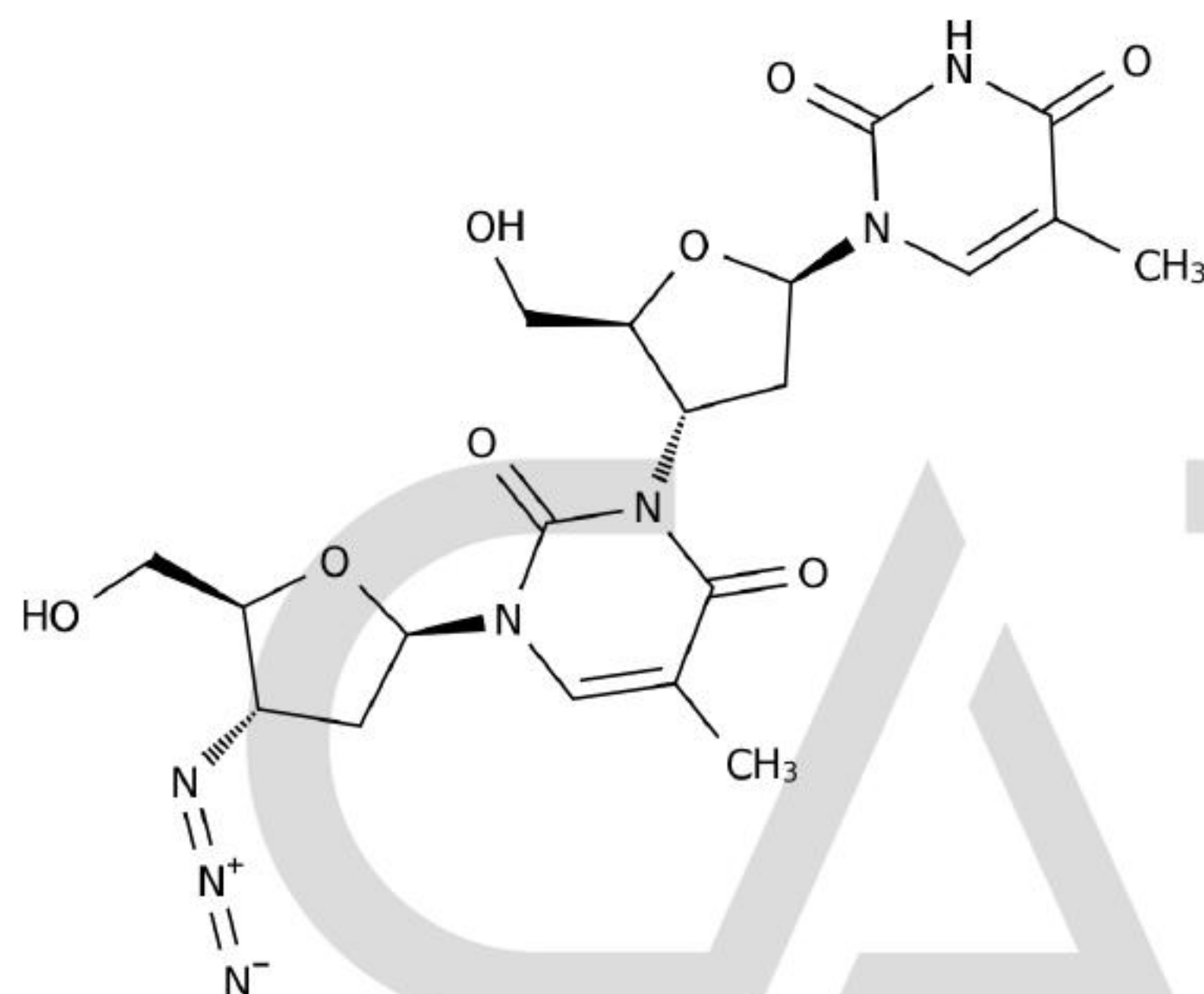


Certificate of Analysis

Reference Material & Standard

Product Name:	Zidovudine EP Impurity G	Catalogue Number:	C4X-178314
Synonyms:	N/A	Lot Number:	0309-RD-0010
CAS Number:	148665-49-0	Expiry Date:	Feb 24, 2025
Molecular Formula:	C ₂₀ H ₂₅ N ₇ O ₈	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	491.45	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.8710%
Water Content	Karl Fischer	0.3%
Residual Solvents	NMR	0.7% acetonitrile
Specific Rotation		[α] _D 25.0(c=0.46,CH ₃ OH)/+15.4°
Assay		98.9%

Comment:

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

Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hinlam

Reviewed by:

Cady

Approved by General Manager:

David

Date: Mar 11, 2022

Date: Mar 11, 2022

Date: Mar 11, 2022

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