CERTIFICATE OF ANALYSIS

(Certificate No. KMZ018005-01)

Release Date: 20/10/2026 **Re-test Date:** 19/10/2029

Zidovudine

Identification

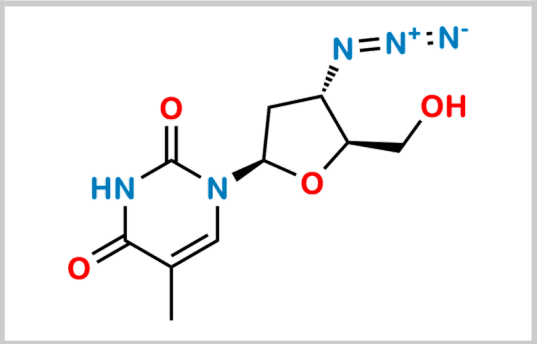
Chemical Name :
1-((2R,4S,5S)-4-azido-5-(hydroxymethyl)tetrahydrofuran-2-yl)-5-methylpyrimidine-2,4(1H,3H)-dione

CAT No. : KMZ018005

CAS No. : 30516-87-1

Molecular Formula : C10H13N5O4

Molecular Weight : 267.2



Analytical Information

Batch No.	: Z018005-136-296	**Solubility**	: Acetonitrile
Description	: White Soild	**Mass**	: Confirm
HPLC Purity	: 99.45 %	**IR**	: Confirm
Weight Loss By TGA	: 0.34 %	**1H NMR**	: Confirm
% Potency	: 99.11 %	**13C NMR**	: Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.34(Weight Loss By TGA)] x [99.45(HPLC Purity)]/100 = 99.11 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		20/10/2026
Reviewed & Approved By	Quality Control	Jatin Patel		20/10/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA