

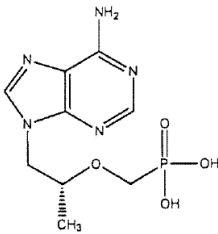
Tenofovir

Catalog No. HRP-10199

This reagent is the property of the U.S. Government.

Product Description:

Tenofovir (brand name: Viread®) is a cyclic nucleoside phosphonate analog of adenosine monophosphate. Tenofovir is phosphorylated by cellular enzymes and inhibits the activity of human immunodeficiency virus (HIV) reverse transcriptase by competing with deoxyadenosine 5'-triphosphate. The incorporation of a nucleotide analog causes DNA chain termination.

Chemical Name	(R)-[[2-(6-amino-9H-purin-9-yl)-1-methylethoxy]methyl]phosphonic acid
Structure	
Formula	C ₉ H ₁₄ N ₅ O ₄ P
Molecular Weight	287.2 g/mol
CAS Number	147127-20-6

Lot: 70085140

Receipt Date: 18AUG2026

All information below was provided on 12SEP2026 by TCI America, Inc. for the bulk material (TCI America, Inc. lot NWZJA).

TEST	SPECIFICATIONS	RESULTS
Appearance	Report results	White powder
Content per Vial	20 mg ± 0.1 mg	20 mg ± 0.1 mg
¹ H-NMR	Spectrum consistent with structure	Spectrum consistent with structure
Purity (HPLC)	≥ 98%	99.5%
Purity (Neutralization titration)	≥ 98%	99.8%
Specific Rotation [α] _{20/D}	-19.0° to -21.0° (C=1, 0.1mol/L HCl)	-20.7°
Water	≤ 6%	5.8%

/Kenneth R. Crawford/

Kenneth R. Crawford

14 SEP 2026

Lead Technical Writer or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the vendor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.



**HIV REAGENT
PROGRAM**

