



Certificate of Analysis for HRP-10199

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.

Lot: 70053681

Receipt Date: 21JUL2022

All information below was provided on 28JUN2022 by TCI America, Inc. for the bulk material (TCI America, Inc. lot NWZJA).

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	287.22
CAS Number	147127-20-6
Content per Vial	20 mg ± 0.3 mg
Appearance	White powder
Purity	
HPLC	99.5%
Neutralization titration	99.8%
Specific Rotation [α] _{20/D}	-20.7 degrees
Water Content	5.8%

/Ken Crawford/

Ken Crawford

Lead Technical Writer, ATCC Federal Solutions

15 DEC 2022

ATCC®, on behalf of the NIH HIV Reagent Program, hereby represents and warrants that the material provided under this certificate has been subjected by the manufacturer 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.

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by NIAID

NIH HIV Reagent Program

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