



Product Information Sheet for HRP-10199

Tenofovir

Catalog No. HRP-10199

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

For research use only. Not for use in humans.

Contributor:

Division of AIDS (DAIDS), National Institute of Allergy and Infectious Diseases (NIAID)

Manufacturer:

TCI America, Inc.

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.

Material Provided:

Each vial contains approximately 20 mg of tenofovir.

Packaging/Storage:

HRP-10199 was packaged in amber glass vials and is provided at room temperature. HRP-10199 should be stored at -20°C or colder upon arrival. Once resuspended, working aliquots can be stored at -20°C. The vial should be centrifuged prior to opening.

Solubility:

HRP-10199 is soluble in water and moderately soluble in methanol and ethanol. It is insoluble in ethyl acetate, acetone and methylene chloride.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, NIAID, NIH: Tenofovir, HRP-10199, contributed by DAIDS/NIAID."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

Disclaimers:

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

Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at www.hivreagentprogram.org.

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