Tenofovir

Catalog No. HRP-10199
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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

Disclaimers:
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