



Product Information Sheet for HRP-10071

Emtricitabine

Catalog No. HRP-10071

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:

Ambeed, Inc.

Product Description:

Emtricitabine (FTC; brand name: Emtriva), a nucleoside analog of cytidine, is phosphorylated by cellular enzymes to form emtricitabine 5'-triphosphate. Emtricitabine 5'-triphosphate inhibits the activity of human immunodeficiency virus type 1 (HIV-1) reverse transcriptase by competing with the natural substrate deoxycytidine 5'-triphosphate and by being incorporated into nascent viral DNA which results in chain termination.

Material Provided:

Each vial contains approximately 20 mg of emtricitabine.

Packaging/Storage:

HRP-10071 was packaged in amber glass vials and should be stored at 2°C to 8°C. Once resuspended, working aliquots can be stored at -20°C. The vial should be centrifuged prior to opening.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, NIAID, NIH: Emtricitabine, HRP-10071, 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/bmbl5/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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