**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**

**Disclaimers:**
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