



Certificate of Analysis for HRP-10071

Emtricitabine

Catalog No. HRP-10071

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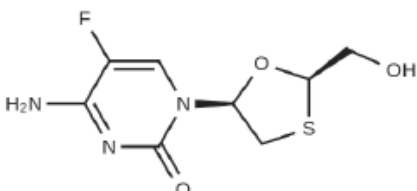
Product Description:

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.

Lot: 70051679

Manufacturing Date: 30JUN2014

All information below was provided by Ambeed, Inc. for the bulk material (Ambeed lot A188531-001), which was analyzed on 08APR2020 and has a retest date of 04APR2023.

Chemical Name	5-fluoro-1-(2R,5S)-[2-(hydroxymethyl)-1,3-oxathiolan-5-yl] cytosine
Structure	
Formula	C ₈ H ₁₀ FN ₃ O ₃ S
Molecular Weight	247.25
CAS Number	143491-57-0
Content per Vial	20 mg ± 0.3 mg
Appearance	White solid
¹ H NMR	Spectrum consistent with structure
Purity (Titration)	99.22%

/Ken Crawford/

Ken Crawford

Lead Technical Writer, ATCC Federal Solutions

17 JUN 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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