

Certificate

EMTRICITABINE SYSTEM SUITABILITY MIXTURE B

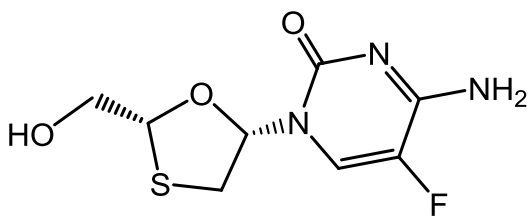
(A mixture consisting of about 99.5% emtricitabine and about 0.35% emtricitabine 5- fluorouracil analog)

USP Catalog No.: 1235139

USP Lot No.: R05270

Emtricitabine

(5-Fluoro-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]cytosine)



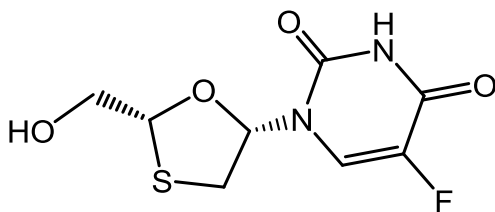
CAS No.: 143491-57-0

Molecular Formula: C₈H₁₀FN₃O₃S

Molecular Weight: 247.25

Emtricitabine 5- fluorouracil analog

(5-Fluoro-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]uracil)



CAS No.: 143790-05-0

Molecular Formula: C₈H₉FN₂O₄S

Molecular Weight: 248.23

LABEL TEXT

For use with specified USP compendial tests.
Not for use as a drug. See SDS prior to use at
www.usp.org/sds.

USP REFERENCE STANDARD

EMTRICITABINE SYSTEM SUITABILITY MIXTURE B 15 mg

(Mixture containing emtricitabine and approximately 0.4% emtricitabine
5- fluorouracil analog)

Do not dry. See USP Certificate for description of mixture components and
chromatographic profile. Keep container tightly closed. Protect from light.
Store in a refrigerator.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666
Cat. No. 1235139 Material mfd. in India

LOT: R05270



Jeri L. Joth

Quality Assurance

Calculation Value

If a value is not provided on the label or accompanying documentation and the Reference Standard has a quantitative USP compendial application, a value of 100.0% is used. The purity value is not applicable for qualitative uses. Please refer to the specific Reference Standard label for further information.

Expiration

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at www.usp.org.

Instructions for Use

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

Non-Monograph Use

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

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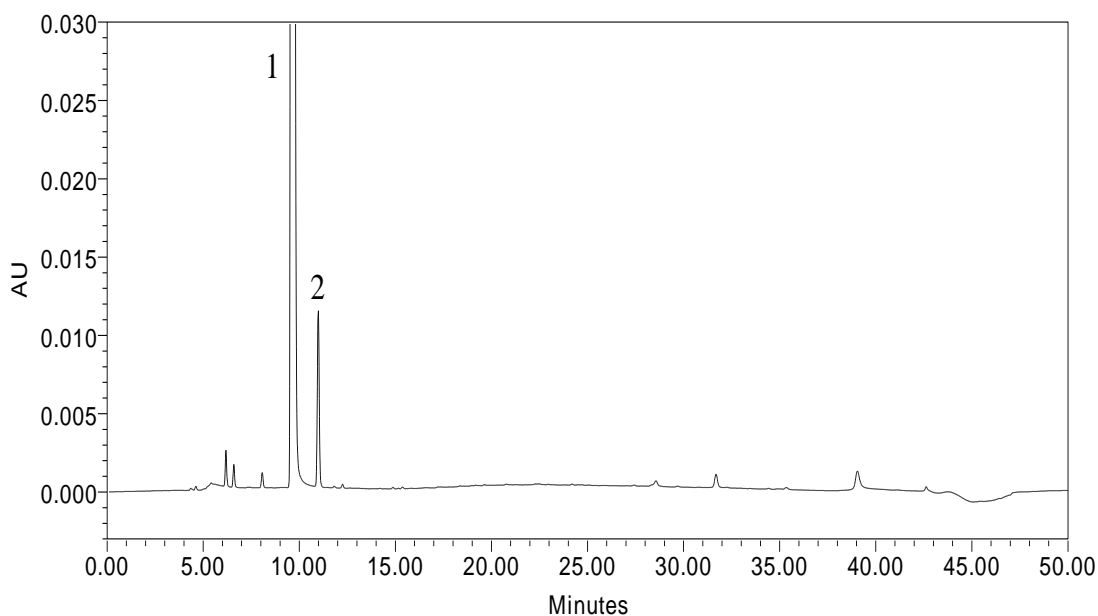
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Typical Chromatogram

USP Emtricitabine System Suitability Mixture B

Catalog Number: 1235139
Lot: R05270
Monograph: Emtricitabine
Publication: Authorized USP Pending Monograph Version 1
Test: Organic Impurities, Procedure 2
Sample: System Suitability Solution



1. Emtricitabine
2. Emtricitabine 5-Fluorouracil analog

This chromatogram is supplied for information only, unless otherwise specified in an applicable monograph or general chapter.